

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
 Data File : BF132919.D
 Acq On : 19 Apr 2023 19:06
 Operator : CG\JU
 Sample : 02270-26MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-14-16-20230413MSD

Quant Time: Apr 20 01:49:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 18 04:51:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/21/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	252181	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	1058235	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	579202	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	1075852	20.000	ng	0.00
76) Chrysene-d12	13.921	240	675677	20.000	ng	0.00
86) Perylene-d12	15.345	264	617668	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1730230	107.284	ng	0.00
7) Phenol-d6	6.392	99	2256790	109.663	ng	0.00
23) Nitrobenzene-d5	7.328	82	1409661	69.435	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	690476	118.854	ng	0.00
45) 2-Fluorobiphenyl	9.127	172	2460016	65.247	ng	0.00
79) Terphenyl-d14	12.874	244	3121887	78.827	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	342915	43.575	ng	99
3) Pyridine	3.198	79	866980	40.282	ng	99
4) n-Nitrosodimethylamine	3.151	42	486348	47.557	ng	99
6) Aniline	6.422	93	899476	32.958	ng	99
8) 2-Chlorophenol	6.545	128	837104	51.164	ng	98
9) Benzaldehyde	6.310	77	543698	44.652	ng	100
10) Phenol	6.410	94	1116953	48.271	ng	98
11) bis(2-Chloroethyl)ether	6.498	93	825641	47.246	ng	99
12) 1,3-Dichlorobenzene	6.704	146	862574	47.965	ng	98
13) 1,4-Dichlorobenzene	6.781	146	871017	48.337	ng	98
14) 1,2-Dichlorobenzene	6.933	146	842562	50.079	ng	99
15) Benzyl Alcohol	6.910	79	752085	53.325	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.045	45	1497996	49.540	ng	99
17) 2-Methylphenol	7.022	107	712594	47.552	ng	98
18) Hexachloroethane	7.281	117	306395	48.995	ng	92
19) n-Nitroso-di-n-propyla...	7.186	70	621979	48.420	ng	98
20) 3+4-Methylphenols	7.175	107	853007	48.159	ng	89
22) Acetophenone	7.175	105	1109896	44.709	ng	95
24) Nitrobenzene	7.351	77	927058	44.551	ng	95
25) Isophorone	7.586	82	1754583	45.563	ng	99
26) 2-Nitrophenol	7.663	139	459475	58.531	ng	95
27) 2,4-Dimethylphenol	7.704	122	786826	49.136	ng	98
28) bis(2-Chloroethoxy)met...	7.804	93	1028592	44.674	ng	99
29) 2,4-Dichlorophenol	7.904	162	713009	47.837	ng	96
30) 1,2,4-Trichlorobenzene	7.992	180	717761	44.600	ng	99
31) Naphthalene	8.075	128	2350058	43.945	ng	99
32) Benzoic acid	7.828	122	507040	63.142	ng	99
33) 4-Chloroaniline	8.116	127	202377	9.240	ng	97
34) Hexachlorobutadiene	8.192	225	400804	43.533	ng	99
35) Caprolactam	8.492	113	261829m	58.989	ng	
36) 4-Chloro-3-methylphenol	8.598	107	791575	50.598	ng	99
37) 2-Methylnaphthalene	8.763	142	1583635	43.024	ng	99
38) 1-Methylnaphthalene	8.863	142	1494265	43.569	ng	98
40) 1,2,4,5-Tetrachloroben...	8.933	216	679851	41.498	ng	99
41) Hexachlorocyclopentadiene	8.922	237	884307	102.411	ng	99
43) 2,4,6-Trichlorophenol	9.039	196	499733	48.121	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.075	196	540738	44.529	ng	99
46) 1,1'-Biphenyl	9.227	154	1986990	43.275	ng	98
47) 2-Chloronaphthalene	9.251	162	1497585	44.075	ng	98
48) 2-Nitroaniline	9.345	65	520036	52.905	ng	99
49) Acenaphthylene	9.669	152	2358819	43.525	ng	100
50) Dimethylphthalate	9.533	163	1858359	46.408	ng	99
51) 2,6-Dinitrotoluene	9.586	165	435411	49.593	ng	90
52) Acenaphthene	9.839	154	1715750	49.130	ng	99
53) 3-Nitroaniline	9.751	138	290132	29.040	ng	96
54) 2,4-Dinitrophenol	9.863	184	462005	135.086	ng	89
55) Dibenzofuran	10.010	168	2175064	43.898	ng	99
56) 4-Nitrophenol	9.916	139	778814	104.941	ng	90
57) 2,4-Dinitrotoluene	9.992	165	571391	52.732	ng	100
58) Fluorene	10.351	166	1624358	44.754	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.127	232	470884	49.963	ng	100
60) Diethylphthalate	10.233	149	1799030	48.078	ng	99
61) 4-Chlorophenyl-phenyle...	10.345	204	803661	43.533	ng	94
62) 4-Nitroaniline	10.374	138	471370	49.087	ng	98
63) Azobenzene	10.504	77	1977951	47.322	ng	98
65) 4,6-Dinitro-2-methylph...	10.398	198	317795	61.679	ng	93
66) n-Nitrosodiphenylamine	10.469	169	1506755	43.003	ng	100
67) 4-Bromophenyl-phenylether	10.833	248	536527	43.673	ng	95
68) Hexachlorobenzene	10.898	284	601040	47.157	ng	# 90
69) Atrazine	10.992	200	539011	55.037	ng	98
70) Pentachlorophenol	11.092	266	725906	88.260	ng	98
71) Phenanthrene	11.310	178	2517075	43.496	ng	99
72) Anthracene	11.363	178	2589761	43.717	ng	100
73) Carbazole	11.516	167	2304210	44.954	ng	99
74) Di-n-butylphthalate	11.857	149	2877517	52.368	ng	99
75) Fluoranthene	12.498	202	2553181	44.367	ng	99
77) Benzidine	12.621	184	928105	88.177	ng	95
78) Pyrene	12.727	202	2598588	47.034	ng	99
80) Butylbenzylphthalate	13.351	149	944744	68.414	ng	93
81) Benzo(a)anthracene	13.909	228	2128027	46.311	ng	99
82) 3,3'-Dichlorobenzidine	13.874	252	637564	57.359	ng	99
83) Chrysene	13.951	228	2041591	44.701	ng	100
84) Bis(2-ethylhexyl)phtha...	13.915	149	1343475	76.873	ng	100
85) Di-n-octyl phthalate	14.527	149	2483257	63.063	ng	96
87) Indeno(1,2,3-cd)pyrene	16.745	276	1953019	55.336	ng	100
88) Benzo(b)fluoranthene	14.939	252	1955121	50.816	ng	99
89) Benzo(k)fluoranthene	14.968	252	1674244	43.683	ng	99
90) Benzo(a)pyrene	15.292	252	1542954	43.896	ng	99
91) Dibenzo(a,h)anthracene	16.768	278	1644626	54.689	ng	98
92) Benzo(g,h,i)perylene	17.174	276	1574063	54.668	ng	98

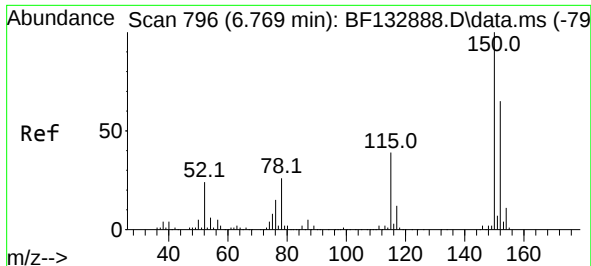
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Manual Integrations APPROVED

Reviewed By :Christian Giraldo	04/21/2023
Supervised By :Jagrut Upadhyay	04/24/2023

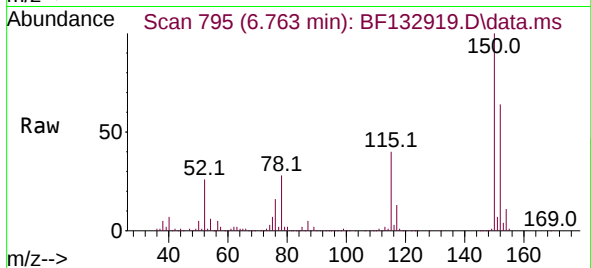
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

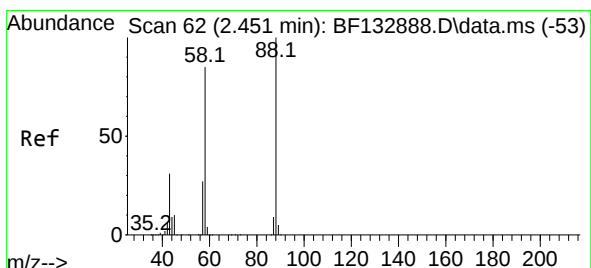
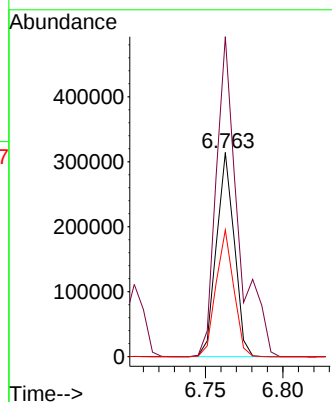
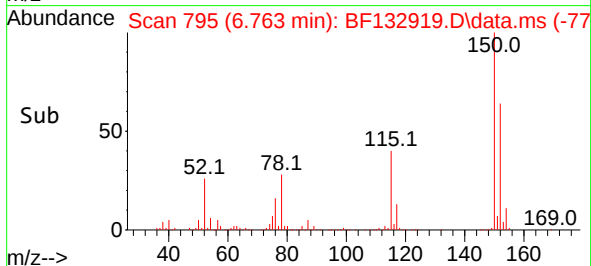
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion:152 Resp: 25218
Ion Ratio Lower Upper
152 100
150 156.8 122.8 184.2
115 62.1 47.3 70.9

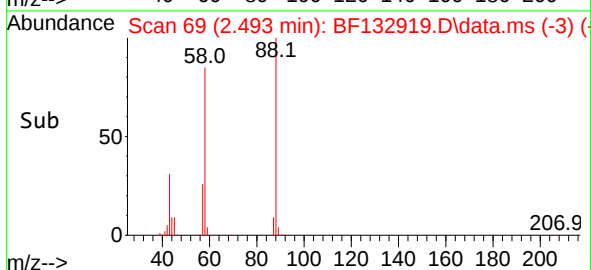
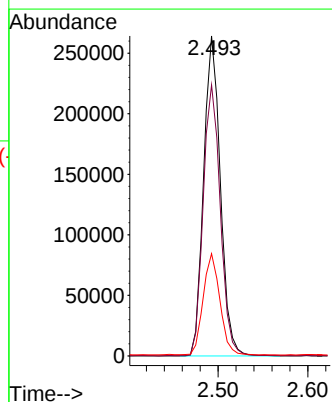
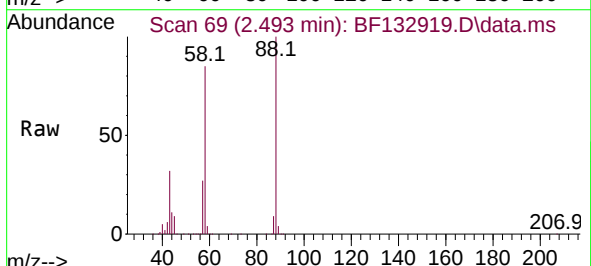
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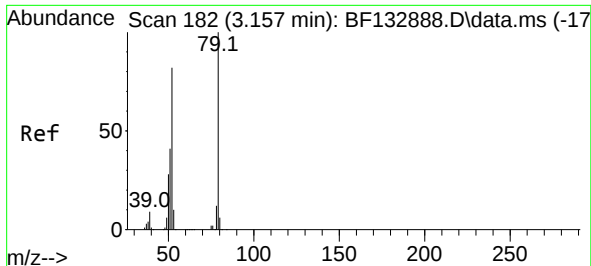
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#2
1,4-Dioxane
Concen: 43.575 ng
RT: 2.493 min Scan# 69
Delta R.T. 0.041 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

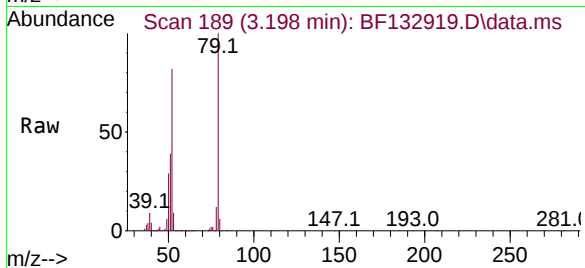
Tgt Ion: 88 Resp: 342915
Ion Ratio Lower Upper
88 100
58 86.5 67.8 101.6
43 31.8 25.4 38.0





#3
Pyridine
Concen: 40.282 ng
RT: 3.198 min Scan# 181
Delta R.T. 0.041 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

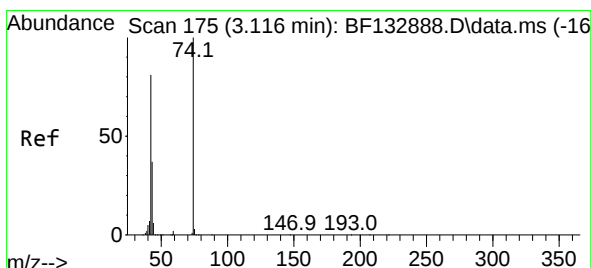
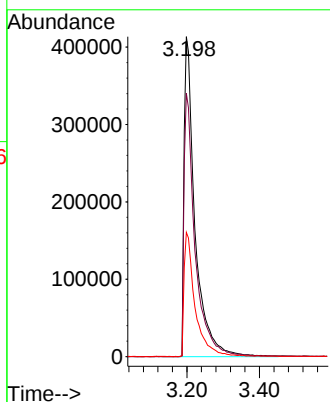
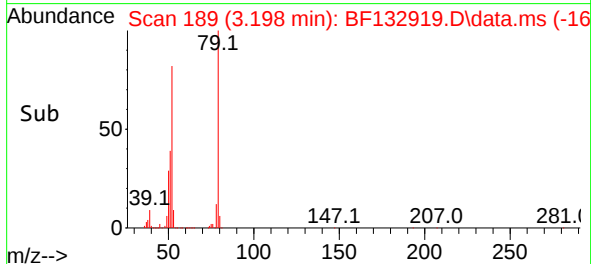
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion: 79 Resp: 866980
Ion Ratio Lower Upper
79 100
52 82.3 65.4 98.0
51 38.8 32.6 48.8

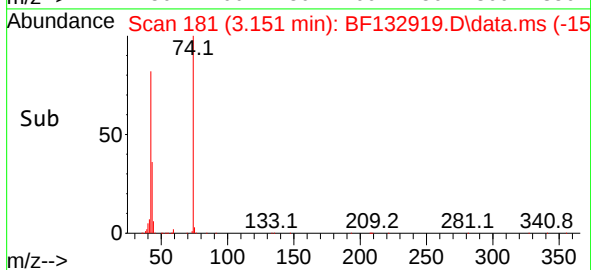
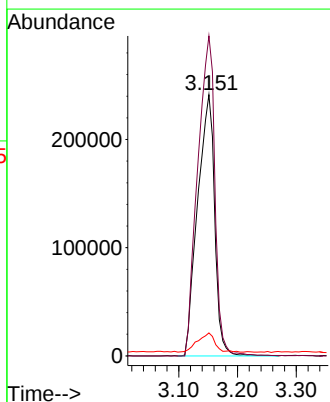
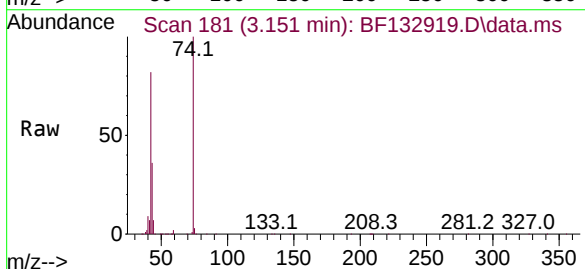
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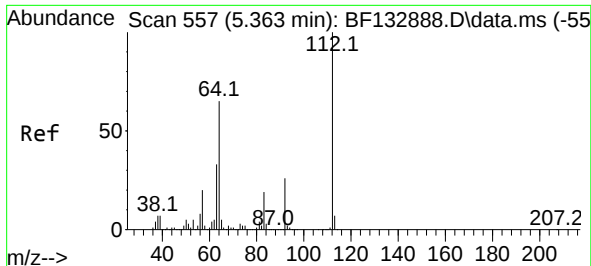
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#4
n-Nitrosodimethylamine
Concen: 47.557 ng
RT: 3.151 min Scan# 181
Delta R.T. 0.035 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

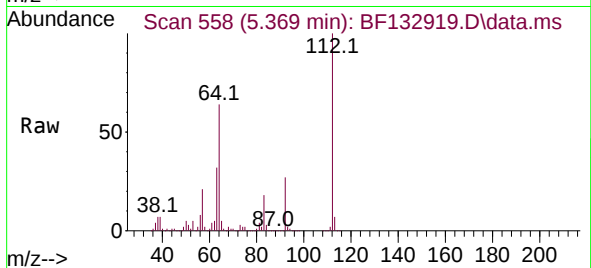
Tgt Ion: 42 Resp: 486348
Ion Ratio Lower Upper
42 100
74 122.5 98.4 147.6
44 8.8 6.1 9.1





#5
2-Fluorophenol
Concen: 107.284 ng
RT: 5.369 min Scan# 557
Delta R.T. 0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

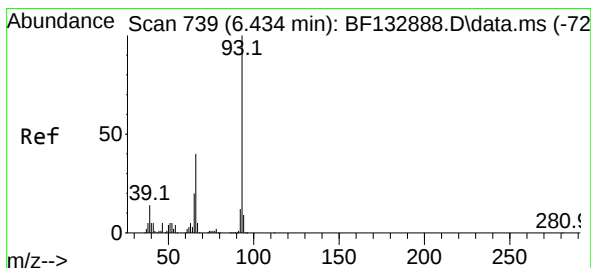
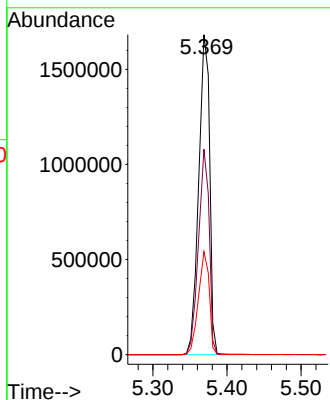
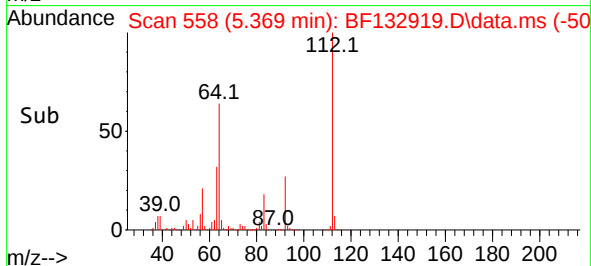
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Tgt Ion: 112 Resp: 1730230
Ion Ratio Lower Upper
112 100
64 64.2 51.8 77.8
63 32.2 26.3 39.5

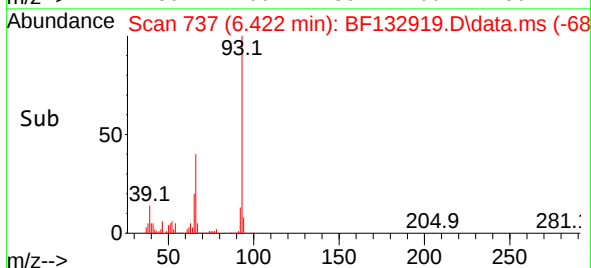
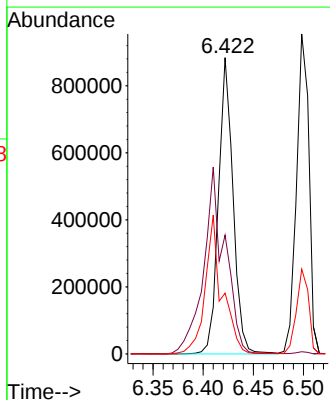
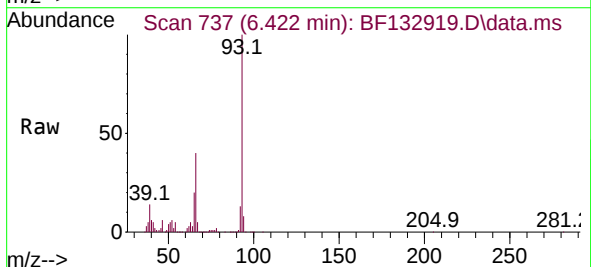
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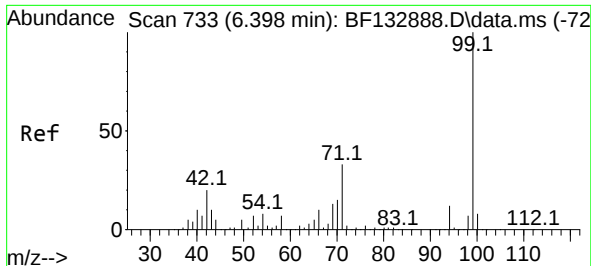
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#6
Aniline
Concen: 32.958 ng
RT: 6.422 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

Tgt Ion: 93 Resp: 899476
Ion Ratio Lower Upper
93 100
66 40.1 31.8 47.6
65 20.5 16.3 24.5





#7

Phenol-d6

Concen: 109.663 ng

RT: 6.392 min Scan# 733

Delta R.T. -0.006 min

Lab File: BF132919.D

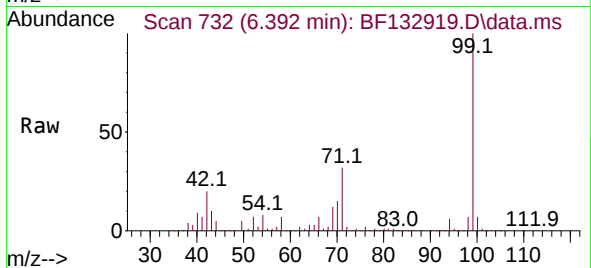
Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

SB-16-14-16-20230413MSD



Tgt Ion: 99 Resp: 2256790

Ion Ratio Lower Upper

99 100

42 20.4 16.1 24.1

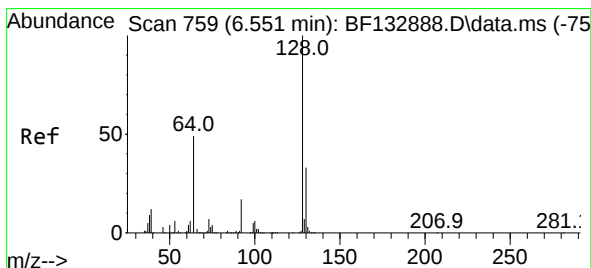
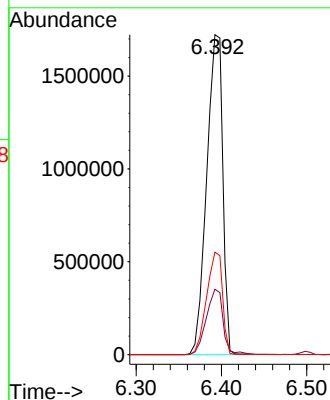
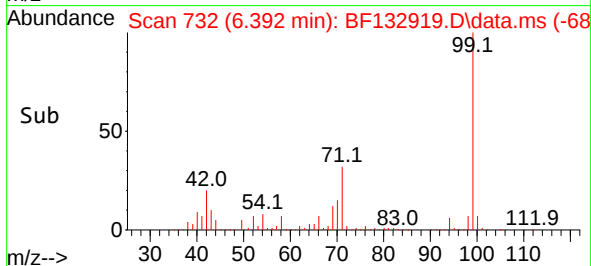
71 32.0 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#8

2-Chlorophenol

Concen: 51.164 ng

RT: 6.545 min Scan# 758

Delta R.T. -0.006 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

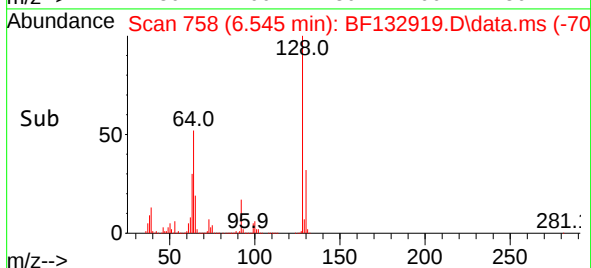
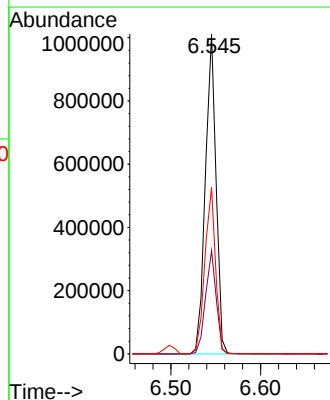
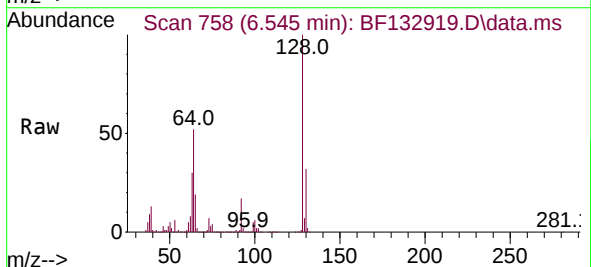
Tgt Ion:128 Resp: 837104

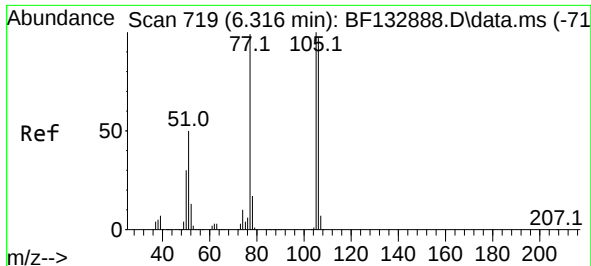
Ion Ratio Lower Upper

128 100

130 32.3 13.2 53.2

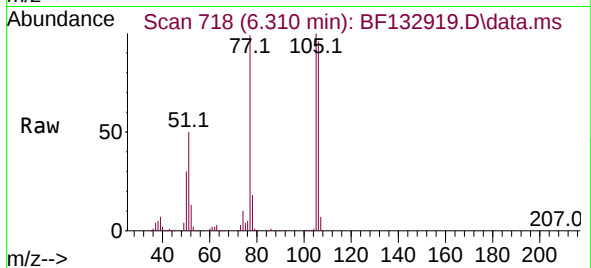
64 52.0 30.9 70.9





#9
Benzaldehyde
Concen: 44.652 ng
RT: 6.310 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

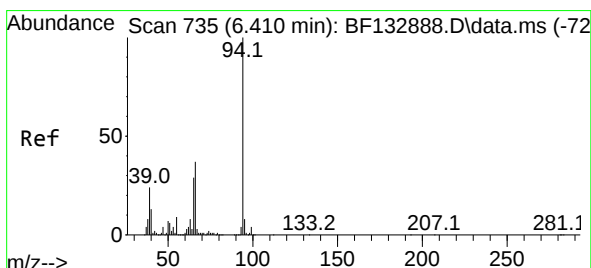
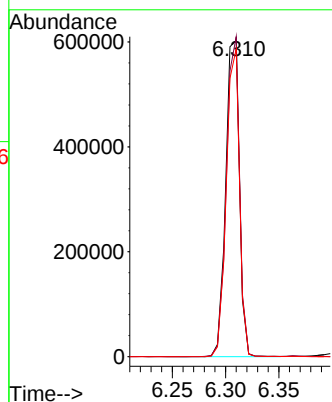
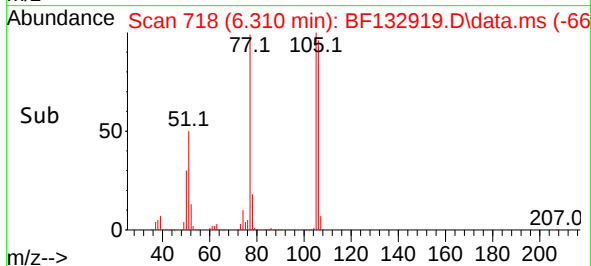
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Tgt Ion: 77 Resp: 543698
Ion Ratio Lower Upper
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105 101.2 80.8 120.8
106 97.3 77.9 117.9

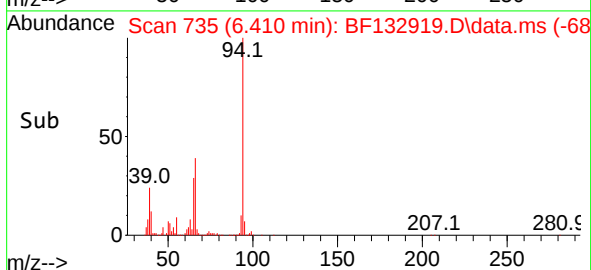
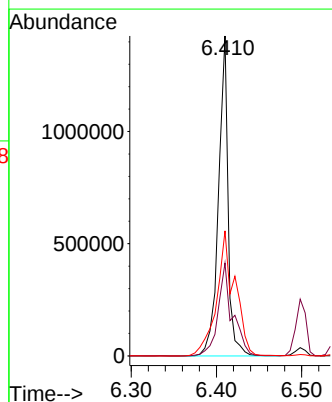
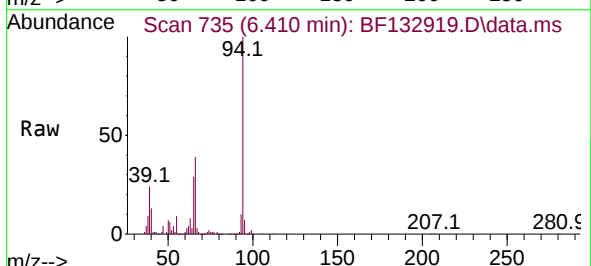
Manual Integrations
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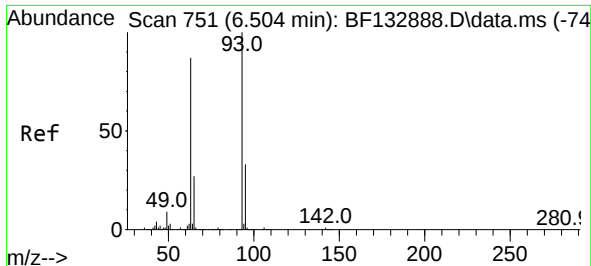
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#10
Phenol
Concen: 48.271 ng
RT: 6.410 min Scan# 735
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

Tgt Ion: 94 Resp: 1116953
Ion Ratio Lower Upper
94 100
65 29.0 9.0 49.0
66 39.1 17.1 57.1





#11

bis(2-Chloroethyl)ether

Concen: 47.246 ng

RT: 6.498 min Scan# 751

Delta R.T. -0.006 min

Lab File: BF132919.D

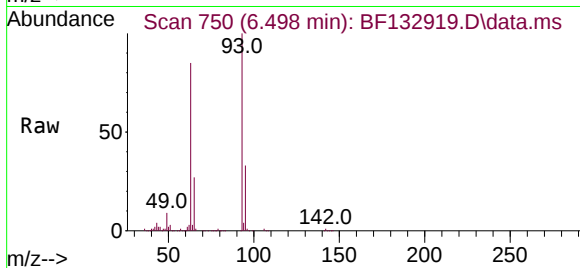
Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

SB-16-14-16-20230413MSD



Tgt Ion: 93 Resp: 82564

Ion Ratio Lower Upper

93 100

63 85.5 66.7 106.7

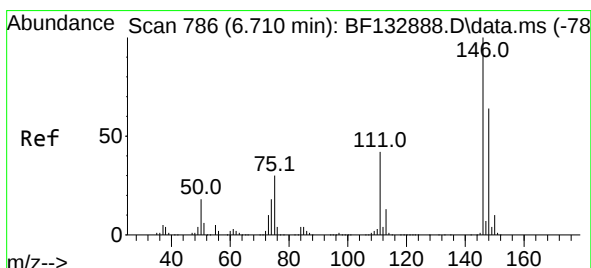
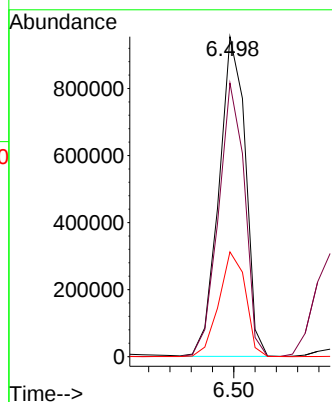
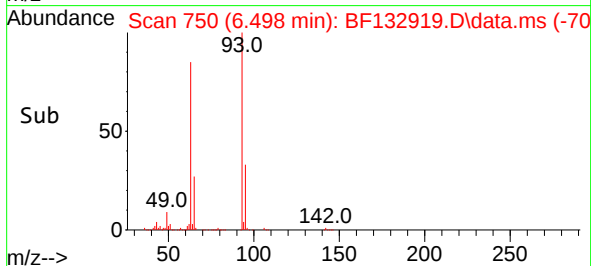
95 32.7 12.8 52.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#12

1,3-Dichlorobenzene

Concen: 47.965 ng

RT: 6.704 min Scan# 785

Delta R.T. -0.006 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

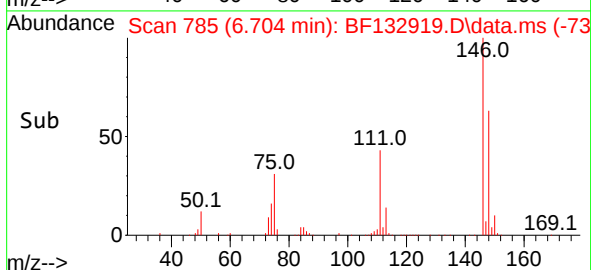
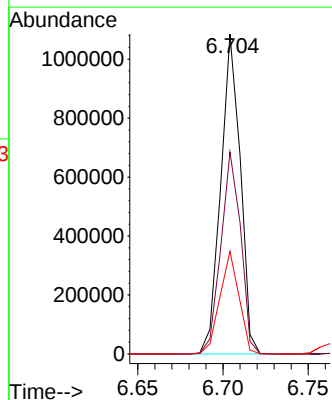
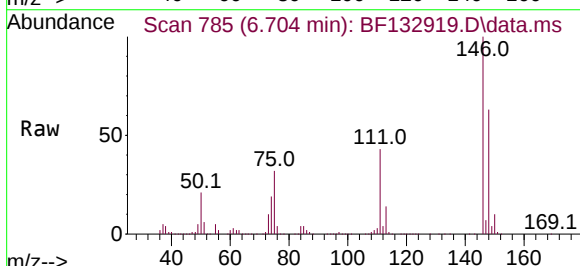
Tgt Ion:146 Resp: 862574

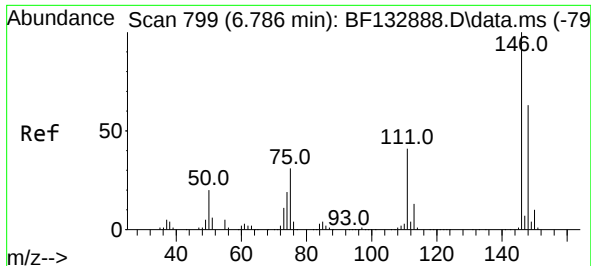
Ion Ratio Lower Upper

146 100

148 63.1 51.1 76.7

75 32.0 23.9 35.9





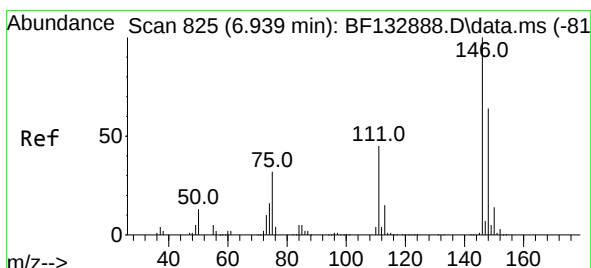
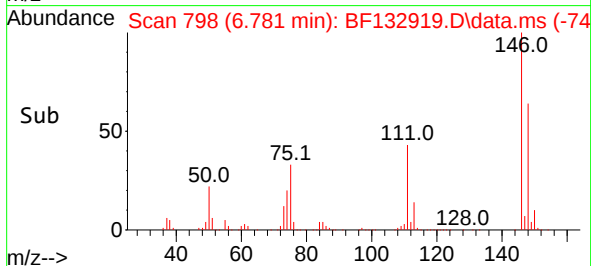
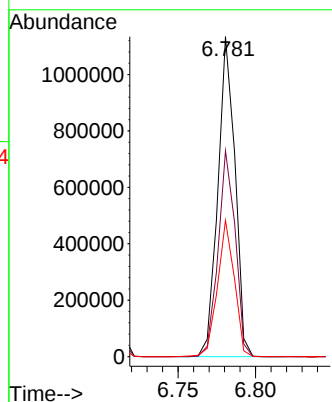
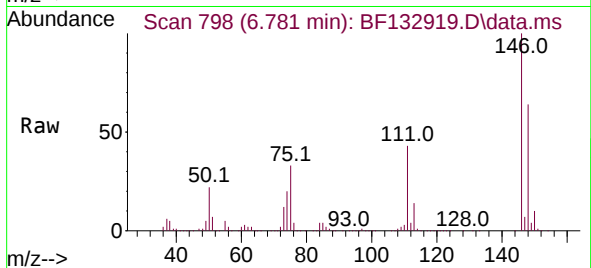
#13
1,4-Dichlorobenzene
Concen: 48.337 ng
RT: 6.781 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD

Tgt Ion:146 Resp: 871017
Ion Ratio Lower Upper
146 100
148 64.3 50.7 76.1
111 42.6 32.5 48.7

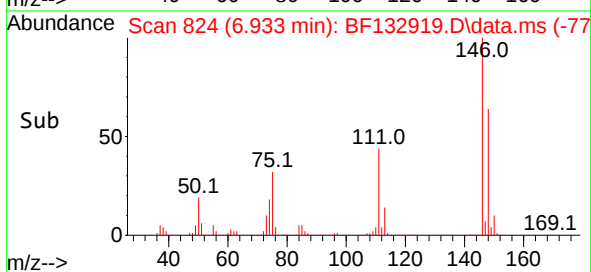
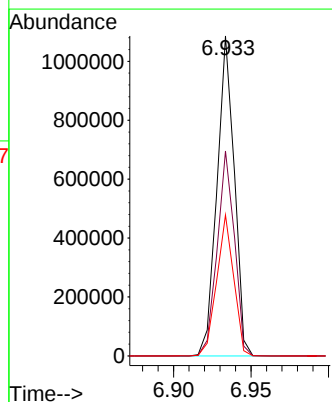
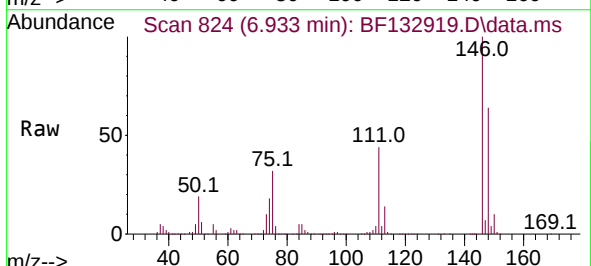
Manual Integrations
APPROVED

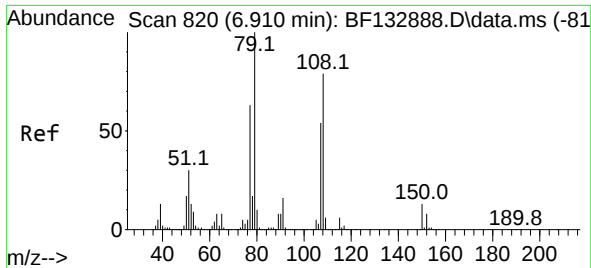
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#14
1,2-Dichlorobenzene
Concen: 50.079 ng
RT: 6.933 min Scan# 824
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

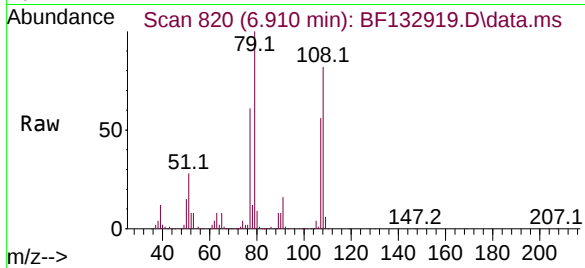
Tgt Ion:146 Resp: 842562
Ion Ratio Lower Upper
146 100
148 64.0 51.3 76.9
111 44.0 36.0 54.0





#15
Benzyl Alcohol
Concen: 53.325 ng
RT: 6.910 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

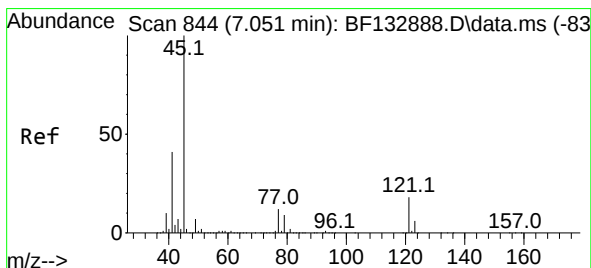
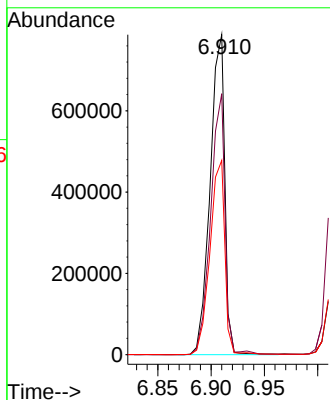
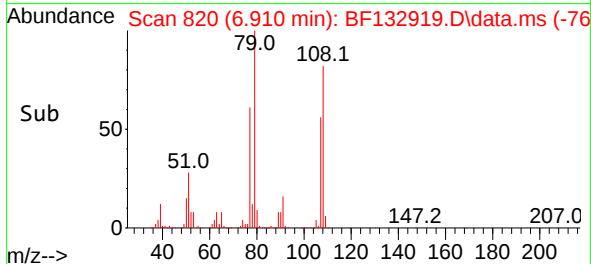
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



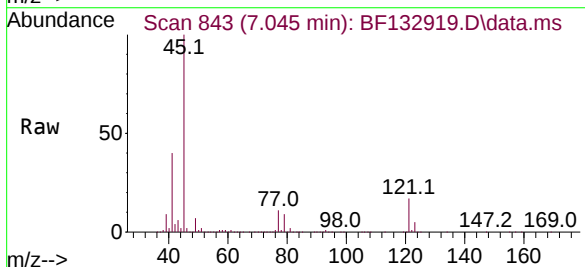
Tgt Ion: 79 Resp: 752085
Ion Ratio Lower Upper
79 100
108 81.5 63.0 94.6
77 60.7 50.4 75.6

Manual Integrations
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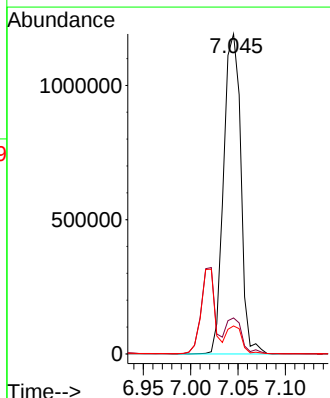
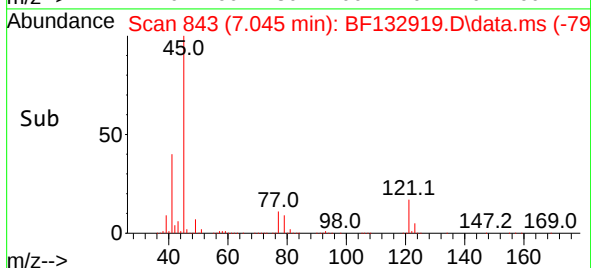
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023

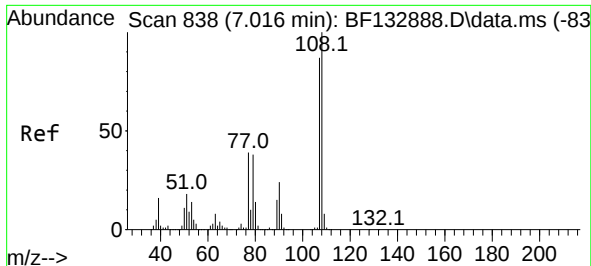


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.540 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06



Tgt Ion: 45 Resp: 1497996
Ion Ratio Lower Upper
45 100
77 11.2 0.0 31.6
79 8.7 0.0 29.2





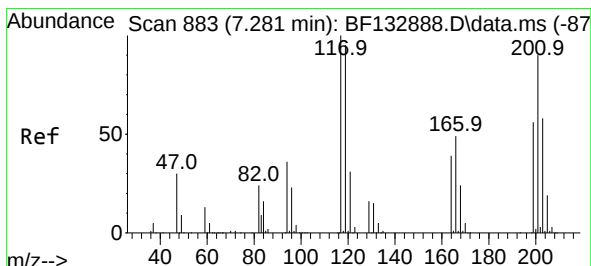
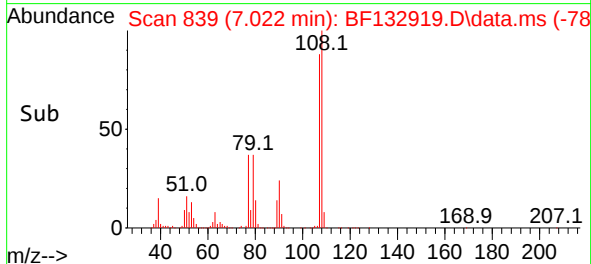
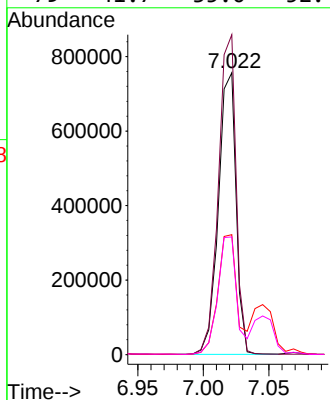
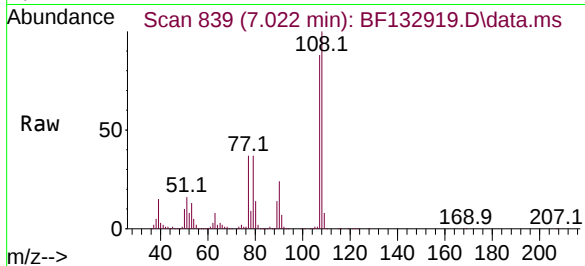
#17
2-Methylphenol
Concen: 47.552 ng
RT: 7.022 min Scan# 838
Delta R.T. 0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD

Tgt Ion:	107	Resp:	712594
Ion Ratio	Lower	Upper	
107	100		
108	113.5	91.7	137.5
77	42.5	35.8	53.8
79	41.7	35.0	52.4

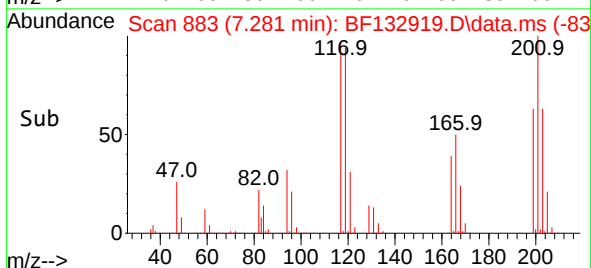
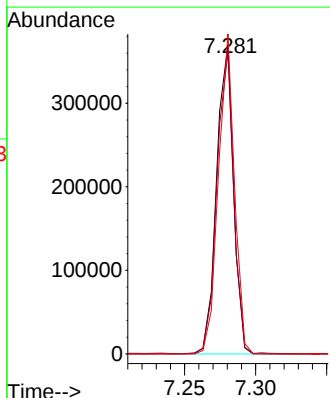
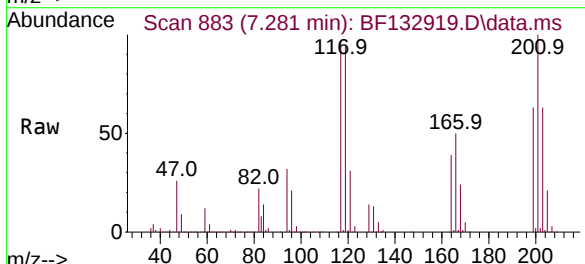
Manual Integrations
APPROVED

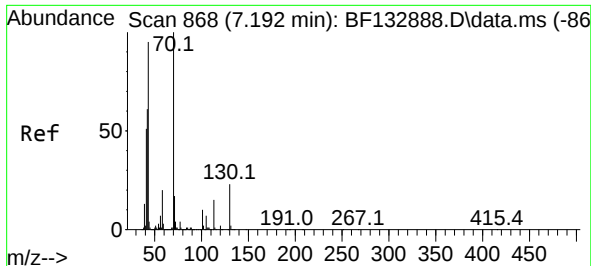
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#18
Hexachloroethane
Concen: 48.995 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

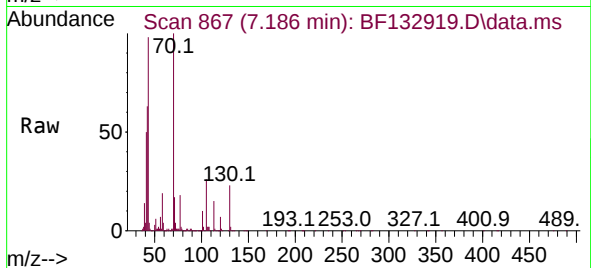
Tgt Ion:	117	Resp:	306395
Ion Ratio	Lower	Upper	
117	100		
119	97.4	76.1	114.1
201	103.4	71.8	107.6





#19
n-Nitroso-di-n-propylamine
Concen: 48.420 ng
RT: 7.186 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

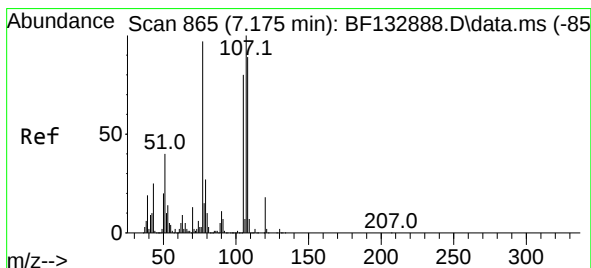
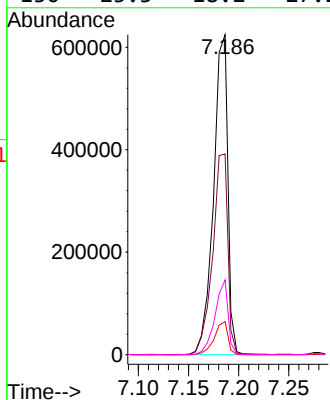
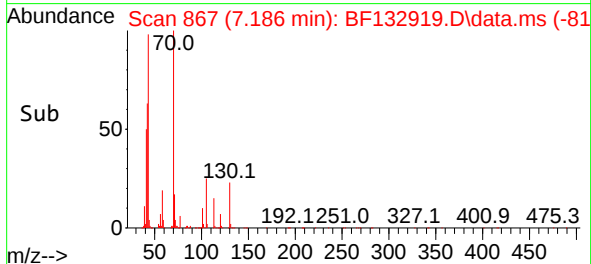
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion: 70 Resp: 621979
Ion Ratio Lower Upper
70 100
42 62.7 49.0 73.6
101 10.3 8.1 12.1
130 23.3 18.2 27.2

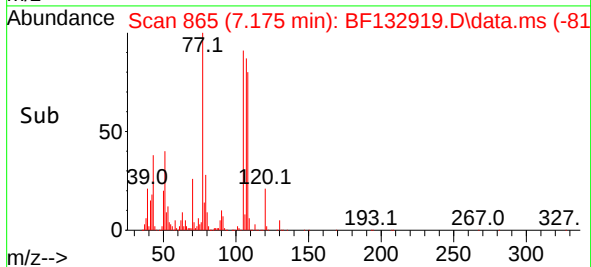
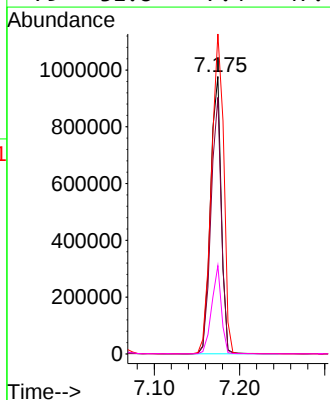
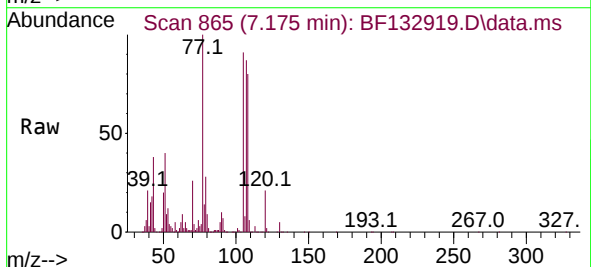
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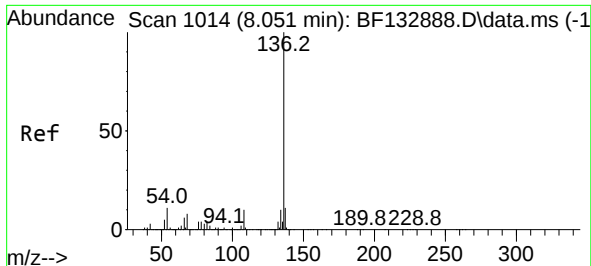
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#20
3+4-Methylphenols
Concen: 48.159 ng
RT: 7.175 min Scan# 865
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

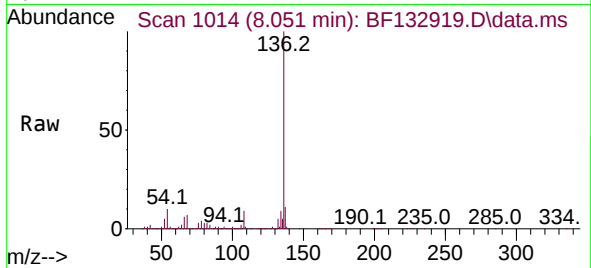
Tgt Ion:107 Resp: 853007
Ion Ratio Lower Upper
107 100
108 92.5 68.5 108.5
77 115.4 77.1 117.1
79 31.8 7.4 47.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

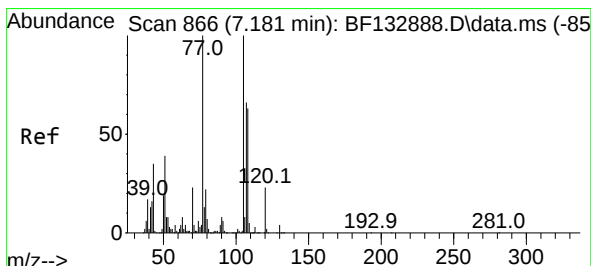
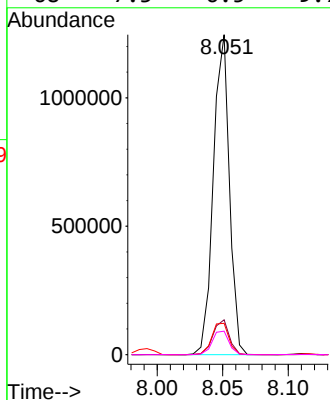
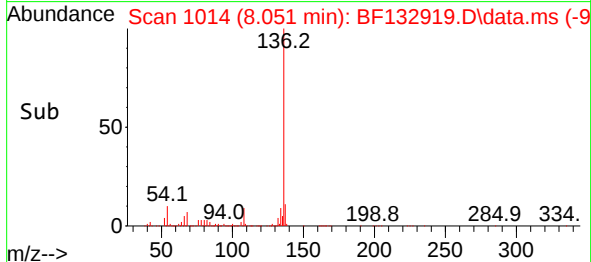
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion:136 Resp: 1058235
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 9.8 8.9 13.3
68 7.3 6.5 9.7

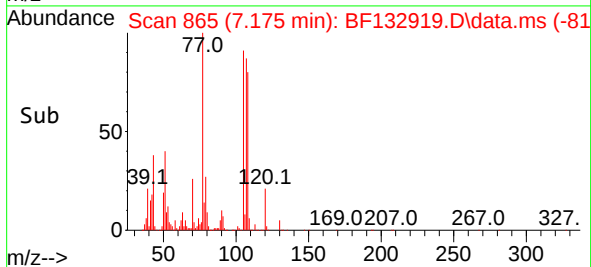
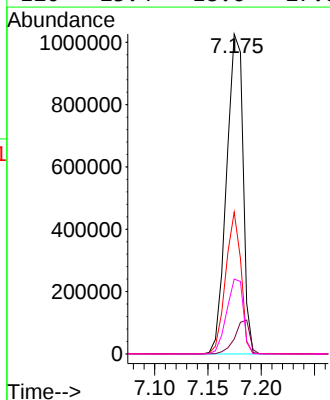
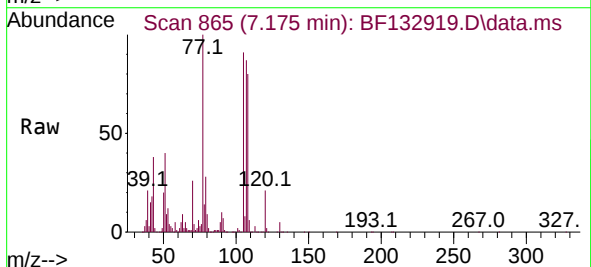
Manual Integrations
APPROVED

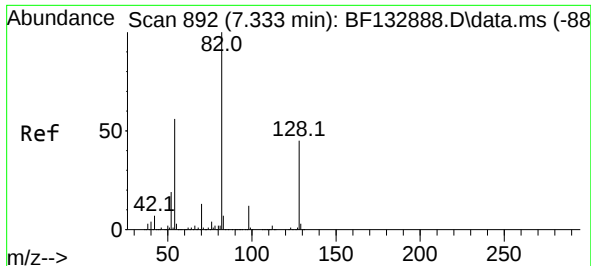
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#22
Acetophenone
Concen: 44.709 ng
RT: 7.175 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

Tgt Ion:105 Resp: 1109896
Ion Ratio Lower Upper
105 100
71 4.6 3.1 4.7
51 44.3 31.4 47.2
120 23.4 18.6 27.8





#23

Nitrobenzene-d5

Concen: 69.435 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

SB-16-14-16-20230413MSD

Tgt Ion: 82 Resp: 140966

Ion Ratio Lower Upper

82 100

128 44.5 35.7 53.5

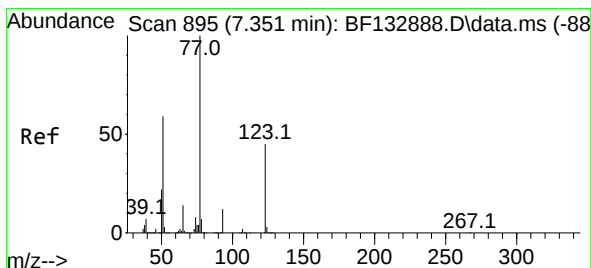
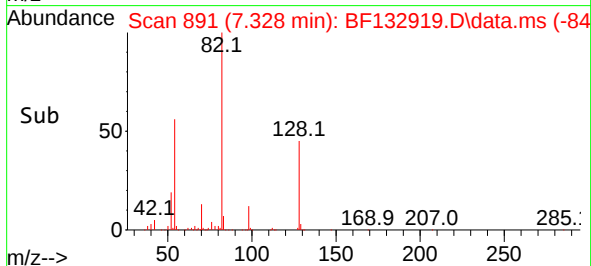
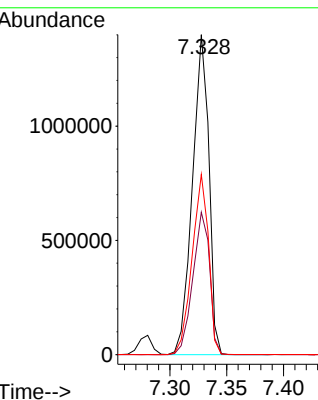
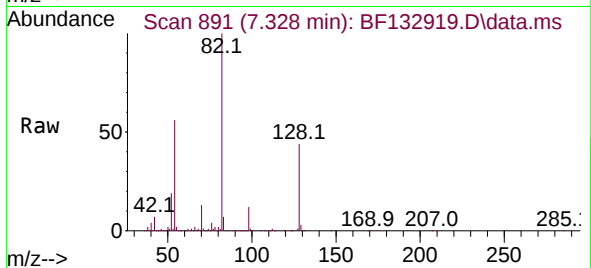
54 56.3 44.7 67.1

Manual Integrations

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Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#24

Nitrobenzene

Concen: 44.551 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.000 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

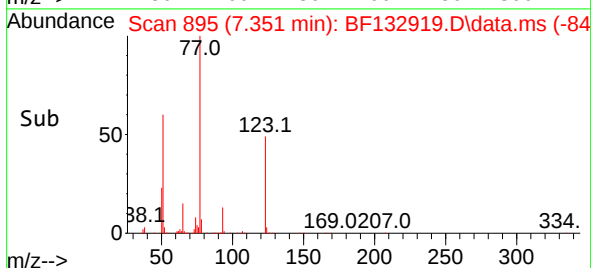
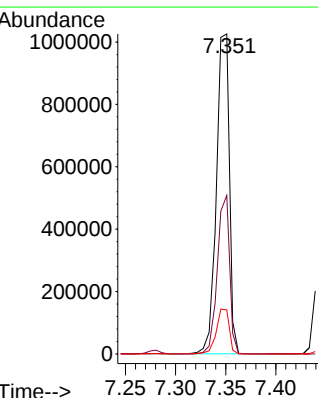
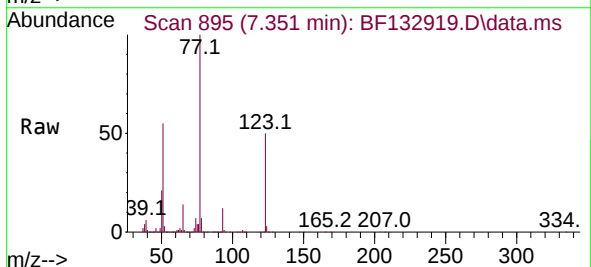
Tgt Ion: 77 Resp: 927058

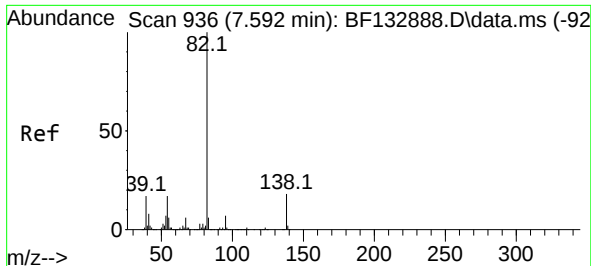
Ion Ratio Lower Upper

77 100

123 49.5 36.3 54.5

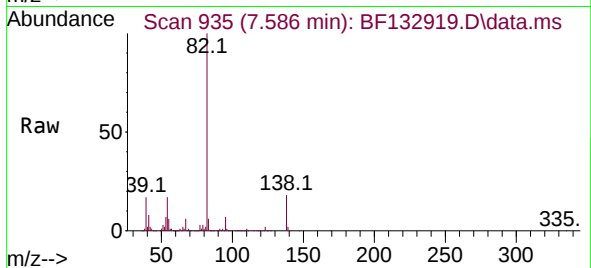
65 13.7 11.2 16.8





#25
Isophorone
Concen: 45.563 ng
RT: 7.586 min Scan# 936
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

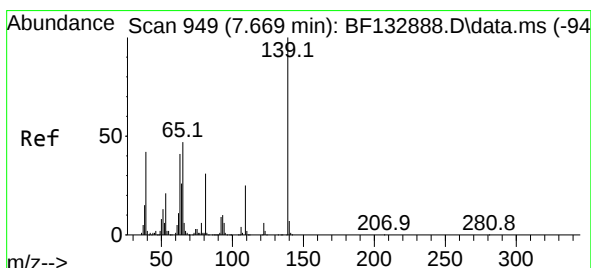
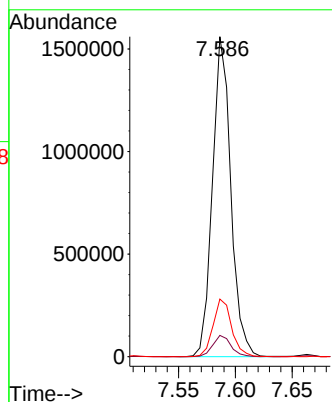
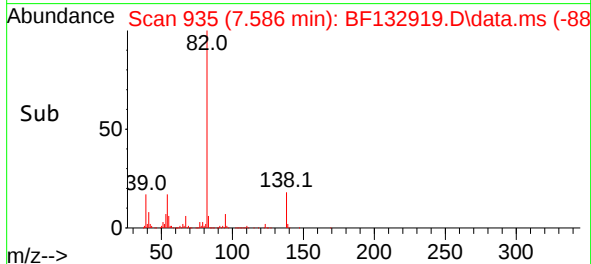
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion: 82 Resp: 1754583
Ion Ratio Lower Upper
82 100
95 6.6 5.3 7.9
138 18.0 14.2 21.2

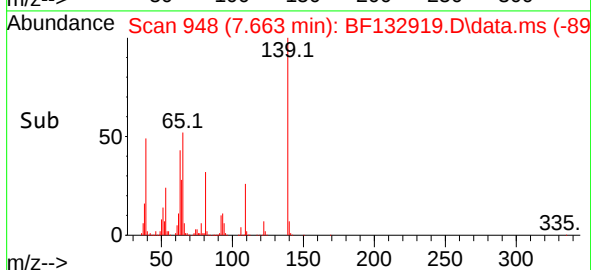
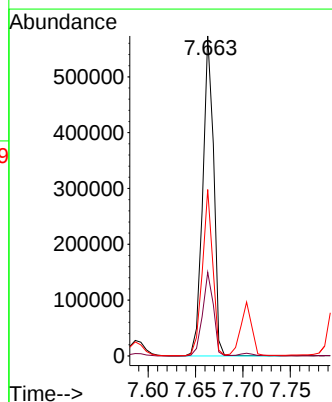
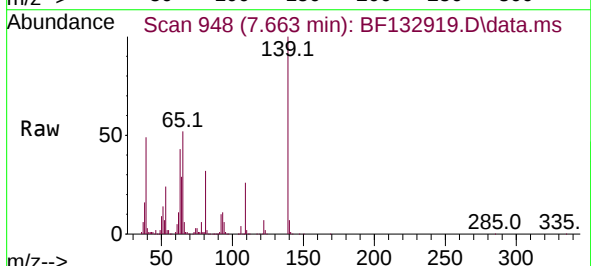
Manual Integrations
APPROVED

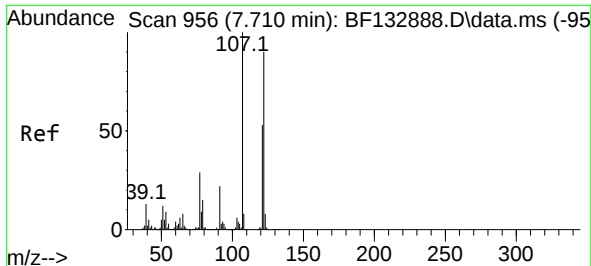
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#26
2-Nitrophenol
Concen: 58.531 ng
RT: 7.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

Tgt Ion:139 Resp: 459475
Ion Ratio Lower Upper
139 100
109 26.1 20.1 30.1
65 52.0 38.0 57.0





#27

2,4-Dimethylphenol

Concen: 49.136 ng

RT: 7.704 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

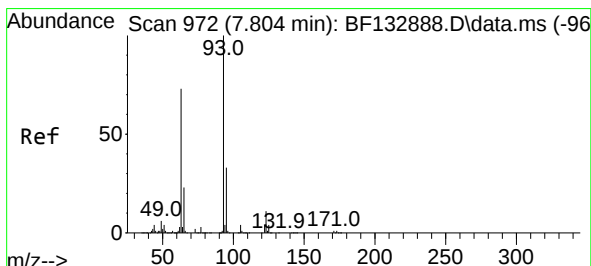
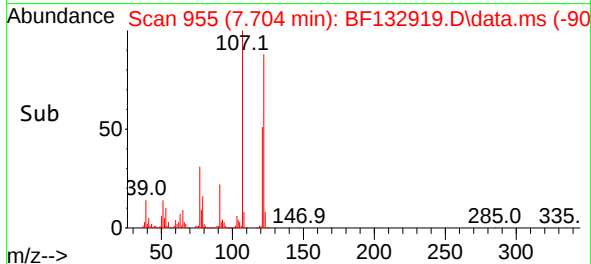
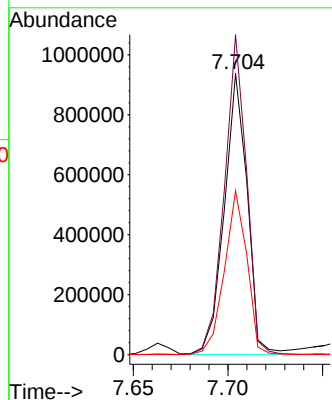
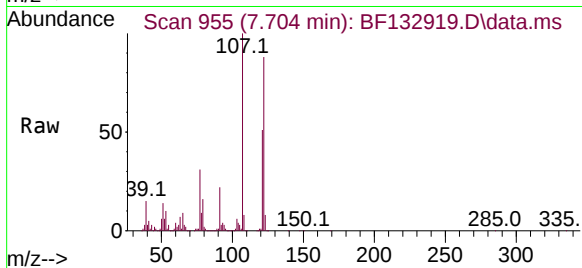
SB-16-14-16-20230413MSD

Tgt Ion:	122	Resp:	786826
Ion	Ratio	Lower	Upper
122	100		
107	113.8	88.5	132.7
121	58.3	47.2	70.8

Manual Integrations

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Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#28

bis(2-Chloroethoxy)methane

Concen: 44.674 ng

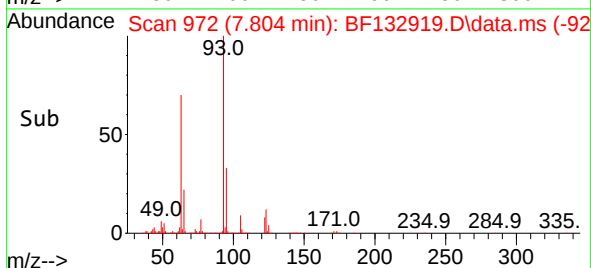
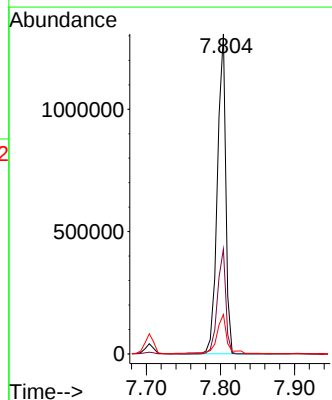
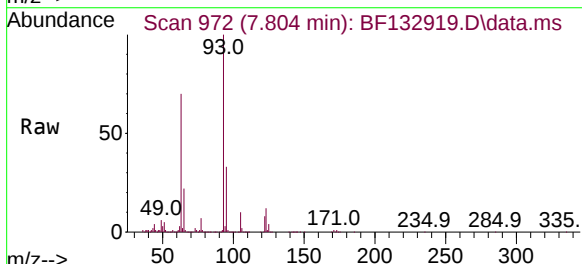
RT: 7.804 min Scan# 972

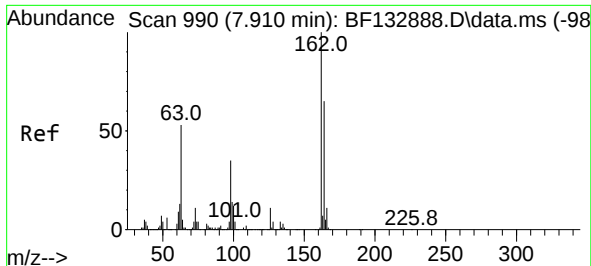
Delta R.T. -0.000 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Tgt Ion:	93	Resp:	1028592
Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.3	39.5
123	12.3	9.3	13.9





#29

2,4-Dichlorophenol

Concen: 47.837 ng

RT: 7.904 min Scan# 989

Delta R.T. -0.006 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

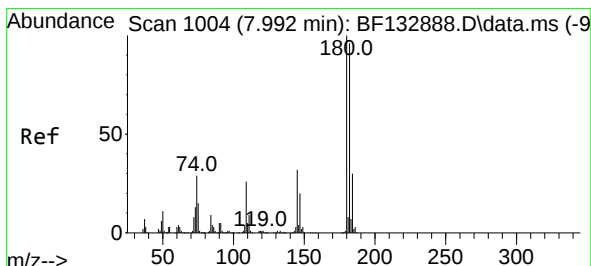
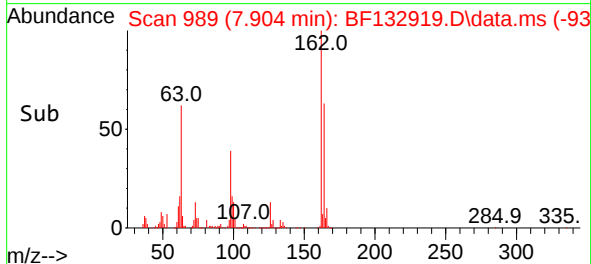
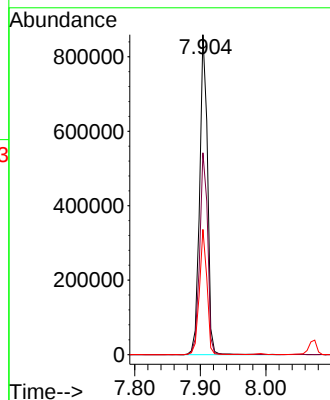
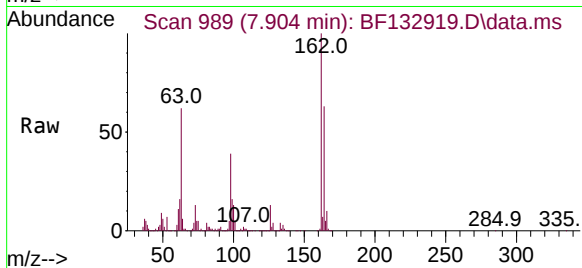
SB-16-14-16-20230413MSD

Tgt Ion:	162	Resp:	713009
Ion Ratio	Lower	Upper	
162	100		
164	63.1	45.2	85.2
98	39.2	14.8	54.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#30

1,2,4-Trichlorobenzene

Concen: 44.600 ng

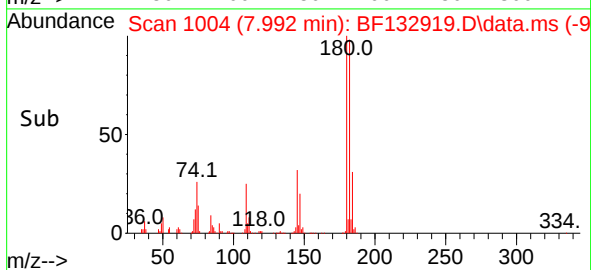
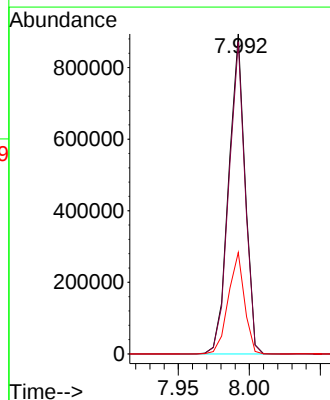
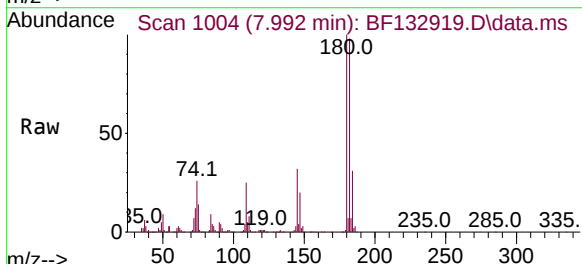
RT: 7.992 min Scan# 1004

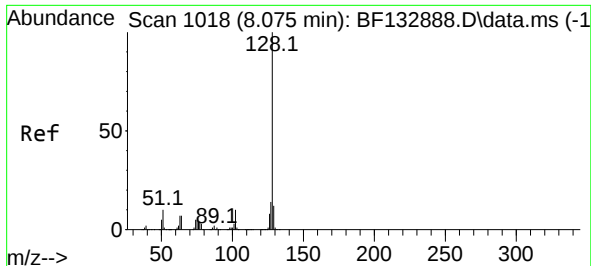
Delta R.T. -0.000 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

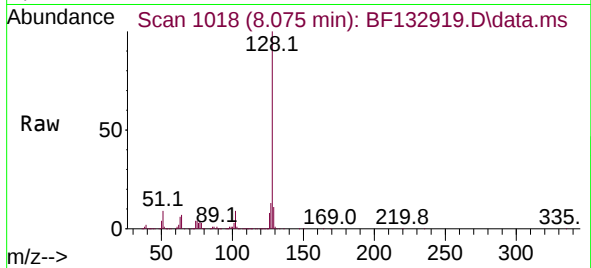
Tgt Ion:	180	Resp:	717761
Ion Ratio	Lower	Upper	
180	100		
182	97.5	76.6	114.8
145	31.7	25.4	38.0





#31
Naphthalene
Concen: 43.945 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

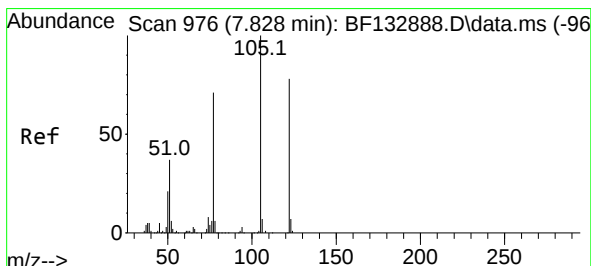
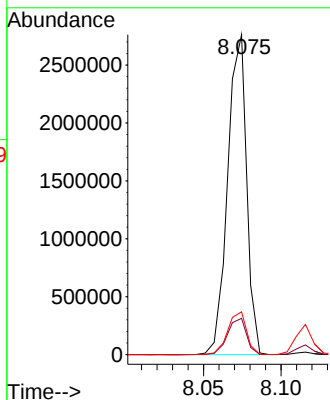
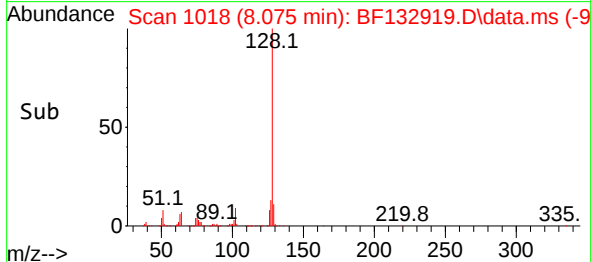
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion:128 Resp: 2350058
Ion Ratio Lower Upper
128 100
129 11.3 9.4 14.0
127 13.4 11.0 16.6

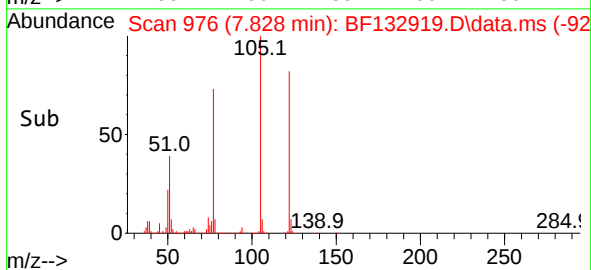
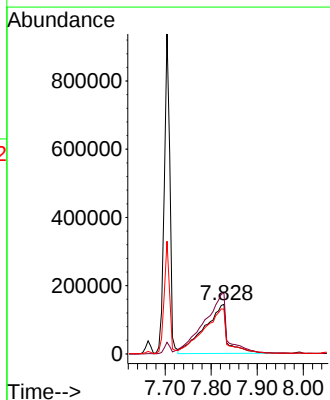
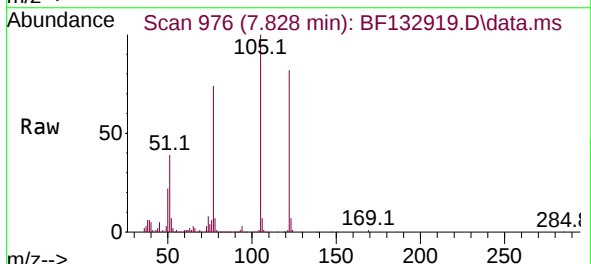
Manual Integrations
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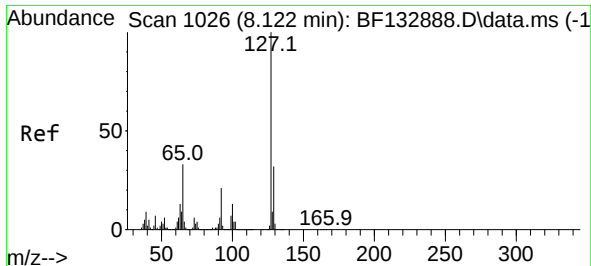
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#32
Benzoic acid
Concen: 63.142 ng
RT: 7.828 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

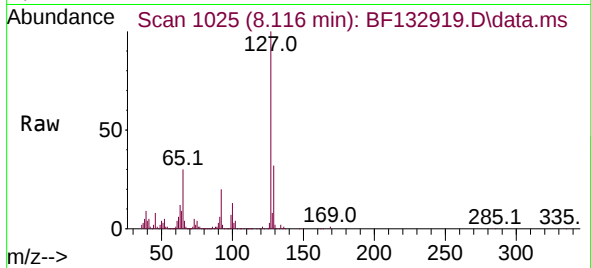
Tgt Ion:122 Resp: 507040
Ion Ratio Lower Upper
122 100
105 122.6 104.5 144.5
77 90.7 71.2 111.2





#33
4-Chloroaniline
Concen: 9.240 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

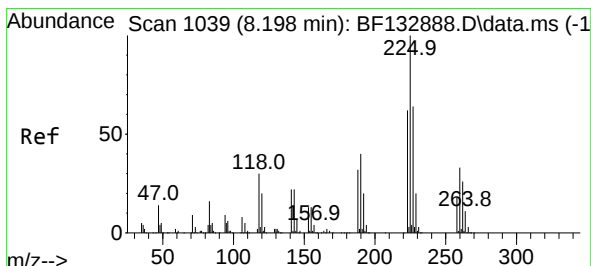
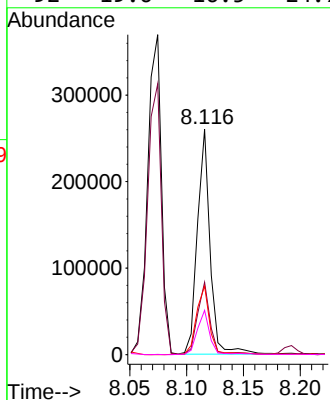
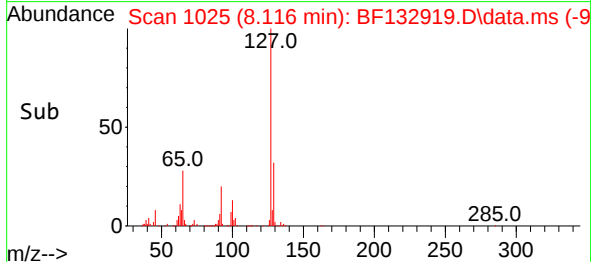
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion:127 Resp: 202372
Ion Ratio Lower Upper
127 100
129 32.1 25.9 38.9
65 30.4 26.7 40.1
92 19.6 16.5 24.7

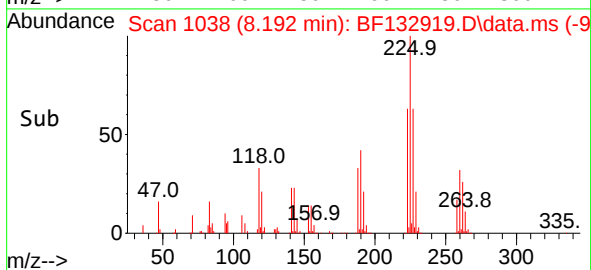
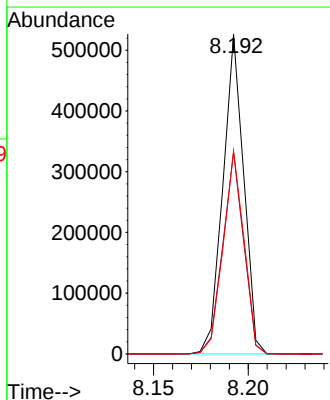
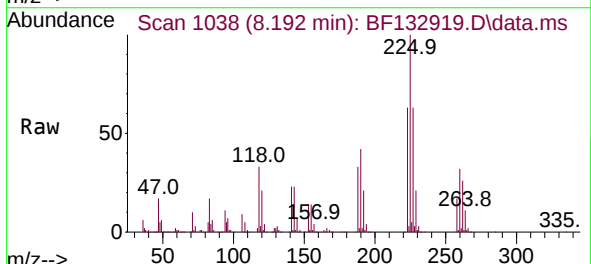
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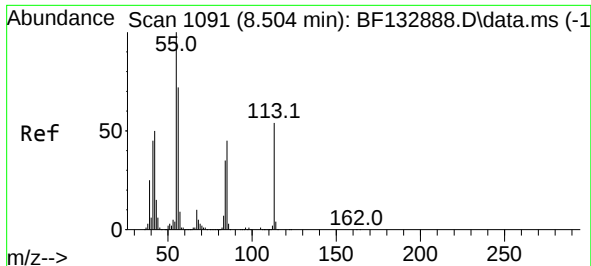
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#34
Hexachlorobutadiene
Concen: 43.533 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

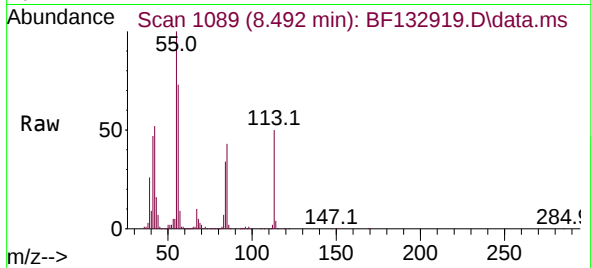
Tgt Ion:225 Resp: 400804
Ion Ratio Lower Upper
225 100
223 63.1 49.6 74.4
227 63.4 51.6 77.4





#35
Caprolactam
Concen: 58.989 ng m
RT: 8.492 min Scan# 1091
Delta R.T. -0.012 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

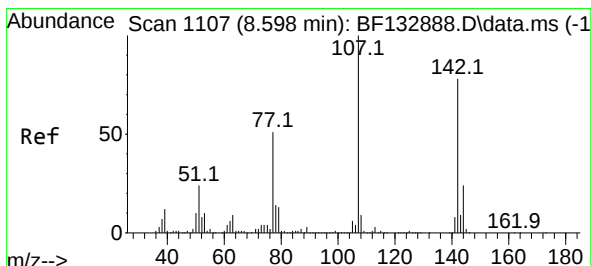
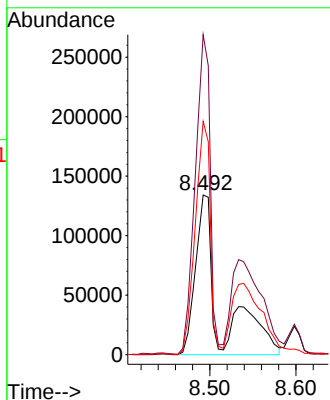
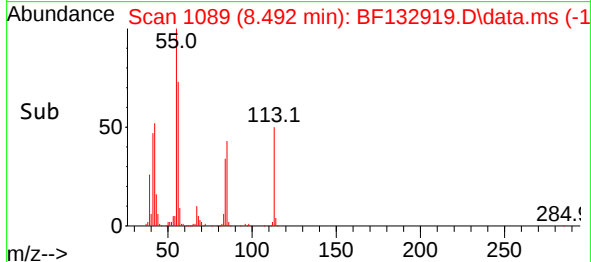
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion:113 Resp: 261829
Ion Ratio Lower Upper
113 100
55 200.5 166.0 206.0
56 146.1 114.5 154.5

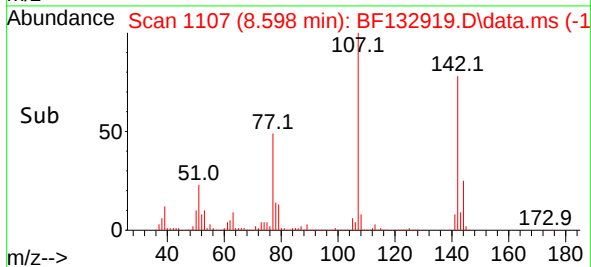
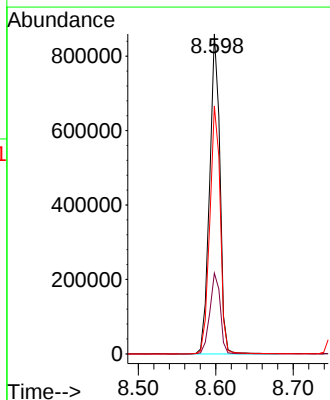
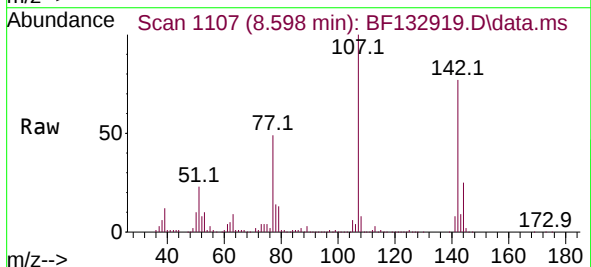
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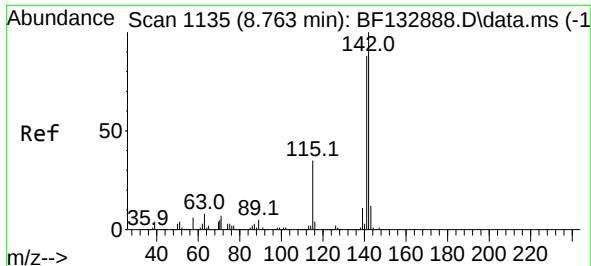
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#36
4-Chloro-3-methylphenol
Concen: 50.598 ng
RT: 8.598 min Scan# 1107
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

Tgt Ion:107 Resp: 791575
Ion Ratio Lower Upper
107 100
144 25.2 19.4 29.0
142 77.5 62.2 93.2





#37

2-Methylnaphthalene

Concen: 43.024 ng

RT: 8.763 min Scan# 1135

Delta R.T. -0.000 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

SB-16-14-16-20230413MSD

Tgt Ion:142 Resp: 1583635

Ion Ratio Lower Upper

142 100

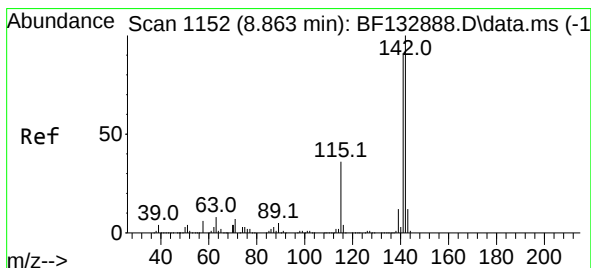
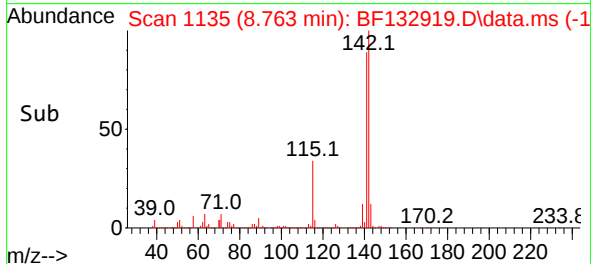
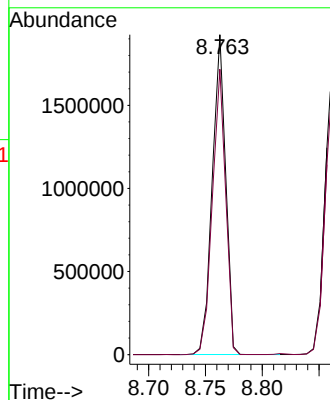
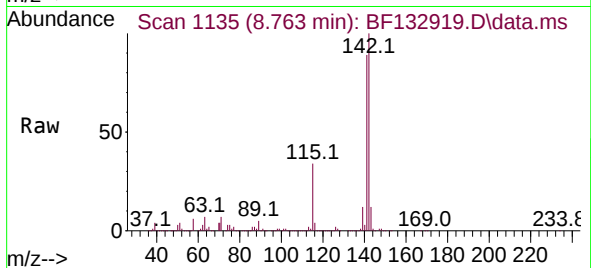
141 89.2 70.4 105.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#38

1-Methylnaphthalene

Concen: 43.569 ng

RT: 8.863 min Scan# 1152

Delta R.T. -0.000 min

Lab File: BF132919.D

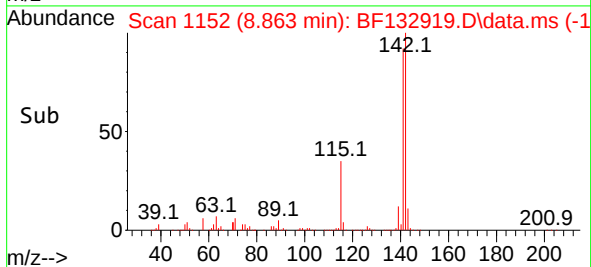
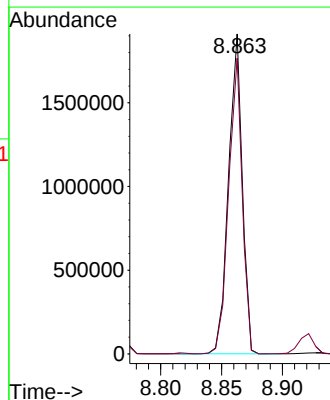
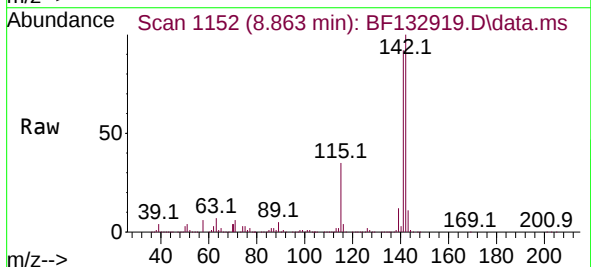
Acq: 19 Apr 2023 19:06

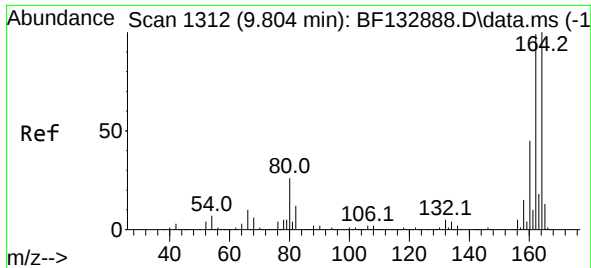
Tgt Ion:142 Resp: 1494265

Ion Ratio Lower Upper

142 100

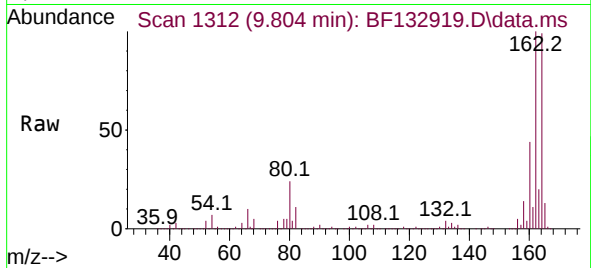
141 92.4 72.6 109.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

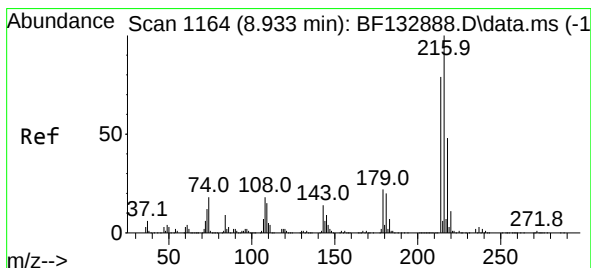
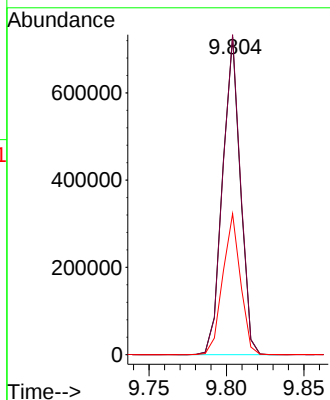
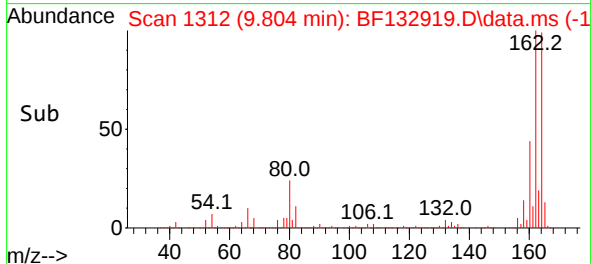
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



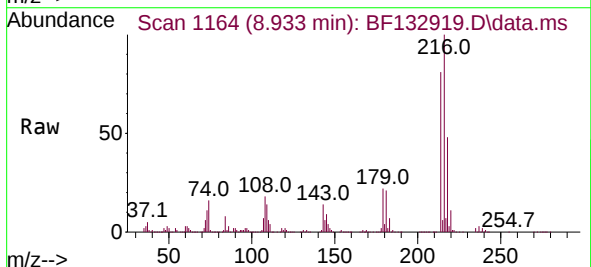
Tgt Ion:164 Resp: 579202
Ion Ratio Lower Upper
164 100
162 100.7 79.1 118.7
160 44.4 35.6 53.4

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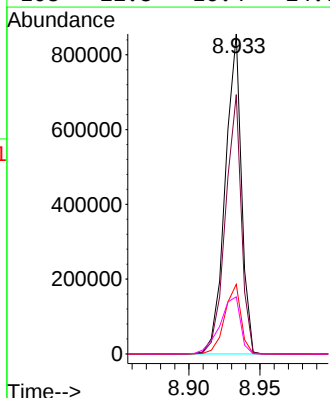
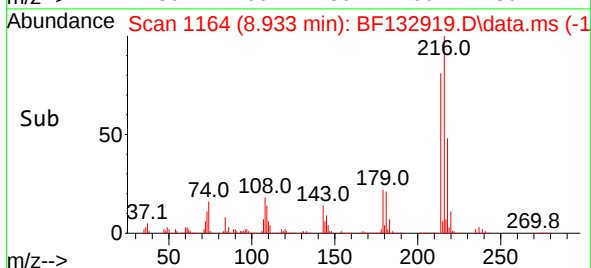
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023

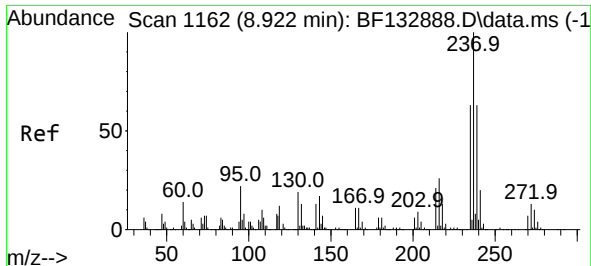


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.498 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06



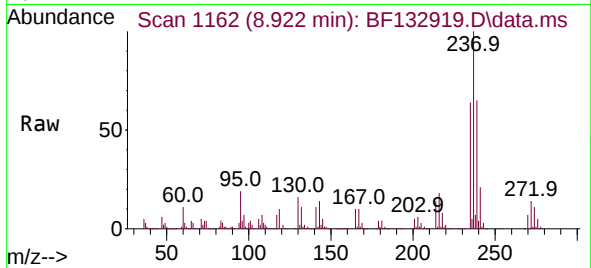
Tgt Ion:216 Resp: 679851
Ion Ratio Lower Upper
216 100
214 79.3 63.1 94.7
179 21.8 17.4 26.2
108 22.8 16.4 24.6





#41
Hexachlorocyclopentadiene
Concen: 102.411 ng
RT: 8.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

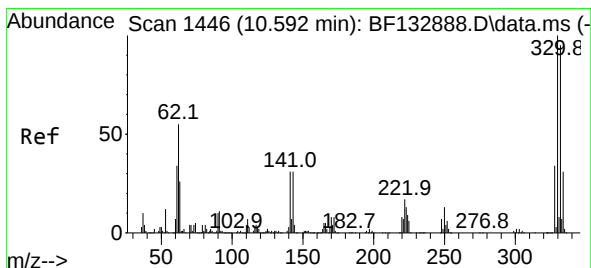
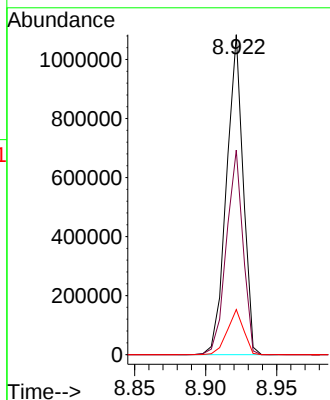
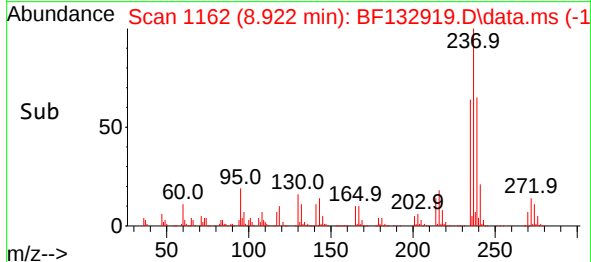
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



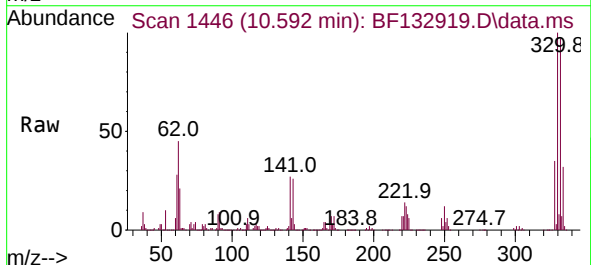
Tgt Ion: 237 Resp: 884307
Ion Ratio Lower Upper
237 100
235 63.9 43.2 83.2
272 14.1 0.0 32.8

Manual Integrations
APPROVED

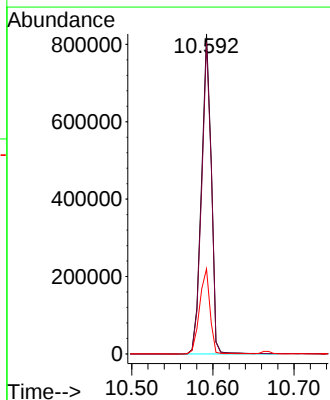
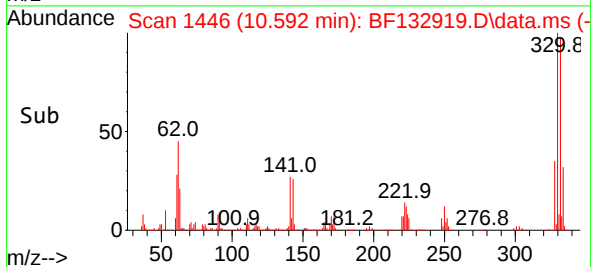
Reviewed By : Christian Giraldo 04/21/2023
Supervised By : Jagrut Upadhyay 04/24/2023

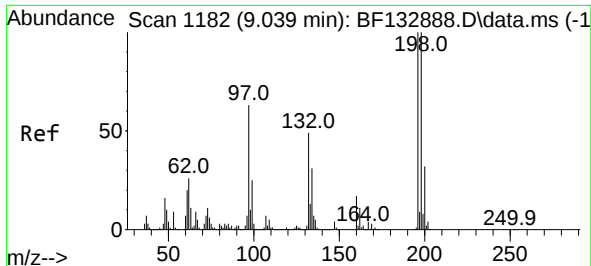


#42
2,4,6-Tribromophenol
Concen: 118.854 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06



Tgt Ion: 330 Resp: 690476
Ion Ratio Lower Upper
330 100
332 96.8 76.3 114.5
141 28.1 23.9 35.9





#43

2,4,6-Trichlorophenol

Concen: 48.121 ng

RT: 9.039 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF132919.D

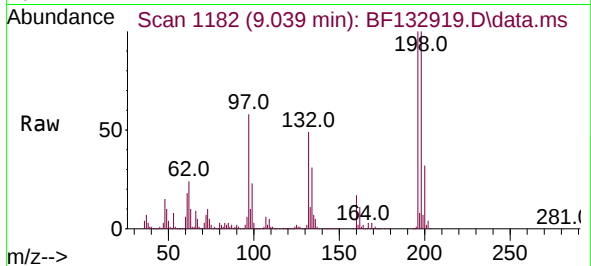
Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

SB-16-14-16-20230413MSD



Tgt Ion:196 Resp: 499733

Ion Ratio Lower Upper

196 100

198 99.7 79.8 119.6

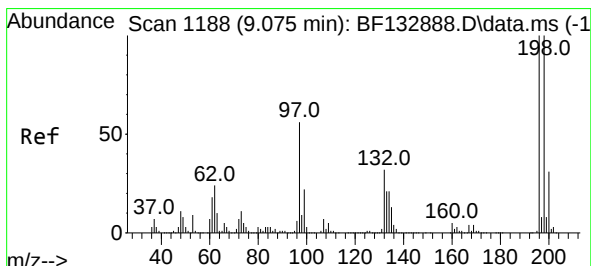
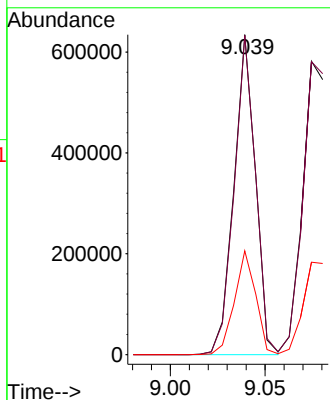
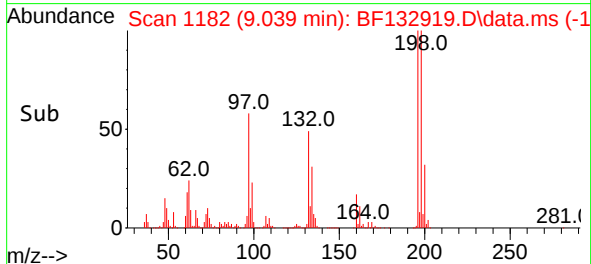
200 32.4 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#44

2,4,5-Trichlorophenol

Concen: 44.529 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.000 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Tgt Ion:196 Resp: 540738

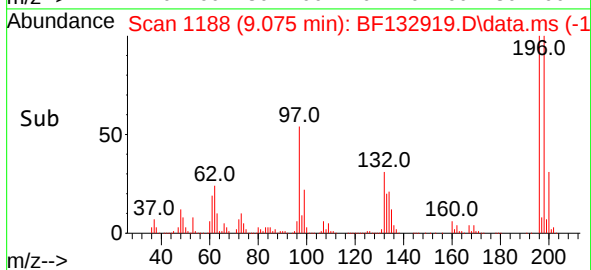
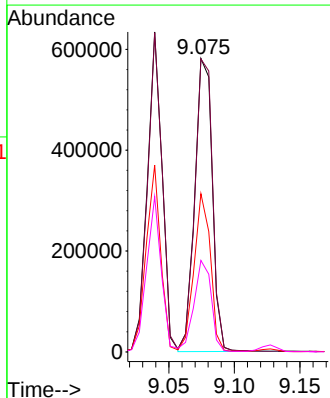
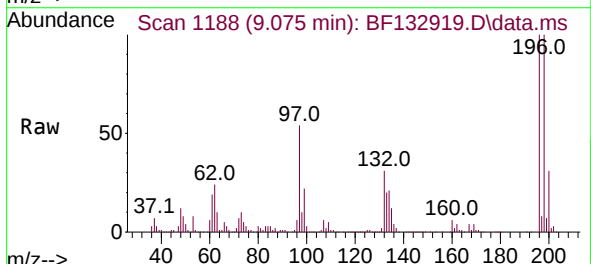
Ion Ratio Lower Upper

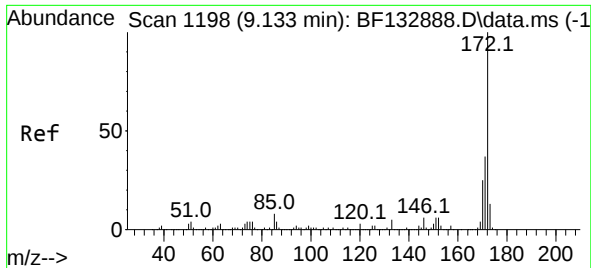
196 100

198 99.8 80.2 120.2

97 53.9 45.0 67.6

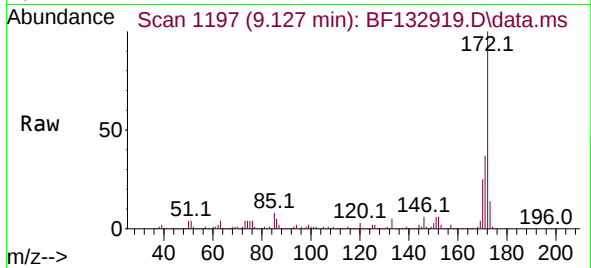
132 31.2 25.6 38.4





#45
2-Fluorobiphenyl
Concen: 65.247 ng
RT: 9.127 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

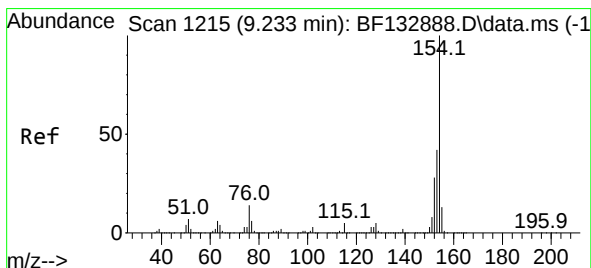
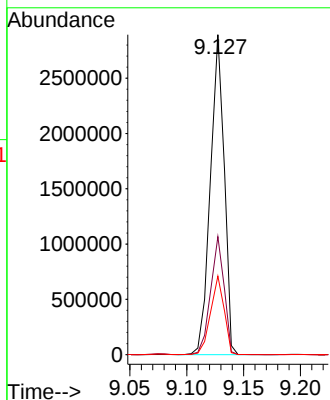
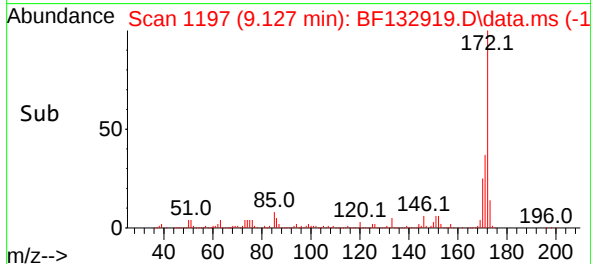
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



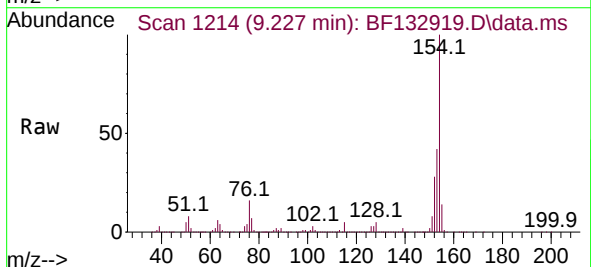
Tgt Ion:172 Resp: 2460016
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 24.5 20.1 30.1

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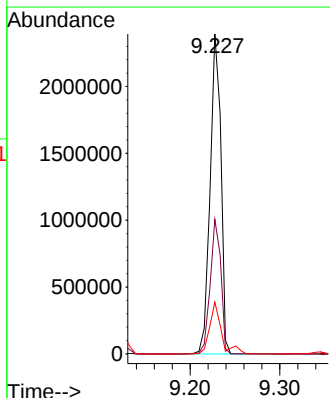
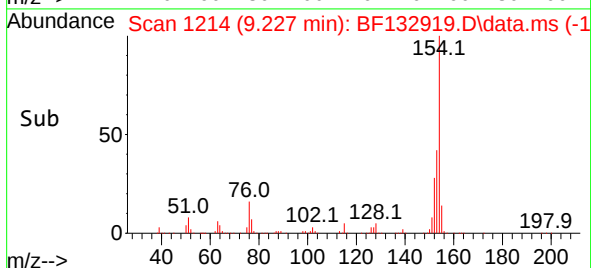
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023

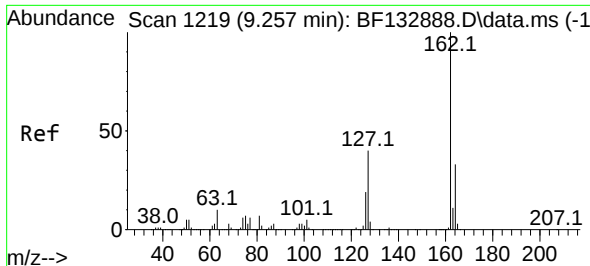


#46
1,1'-Biphenyl
Concen: 43.275 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06



Tgt Ion:154 Resp: 1986990
Ion Ratio Lower Upper
154 100
153 42.0 21.8 61.8
76 16.2 0.0 34.0





#47

2-Chloronaphthalene

Concen: 44.075 ng

RT: 9.251 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

SB-16-14-16-20230413MSD

Tgt Ion:162 Resp: 1497585

Ion Ratio Lower Upper

162 100

127 41.8 32.2 48.2

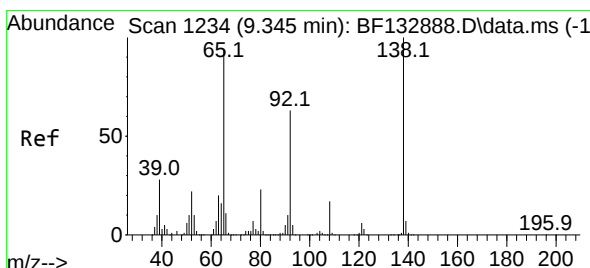
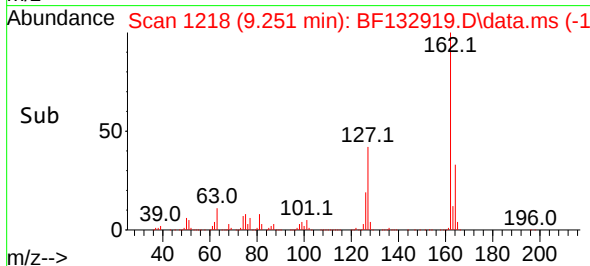
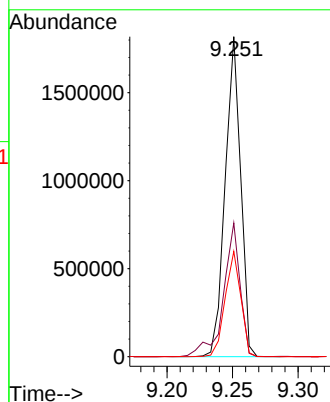
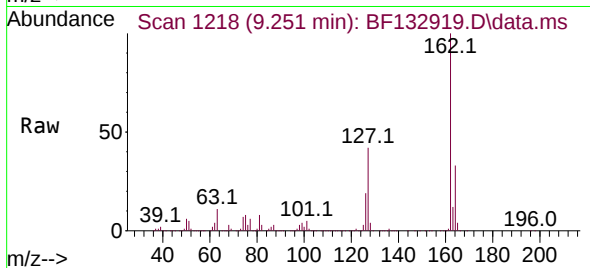
164 32.9 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#48

2-Nitroaniline

Concen: 52.905 ng

RT: 9.345 min Scan# 1234

Delta R.T. -0.000 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

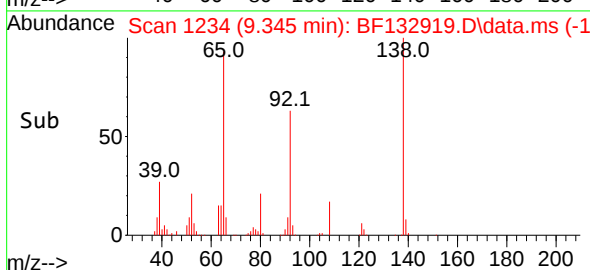
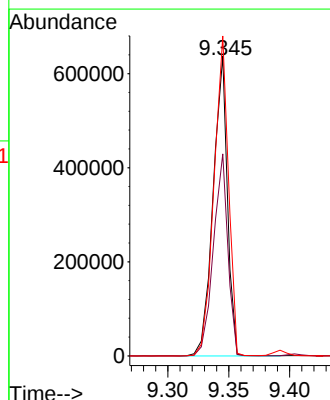
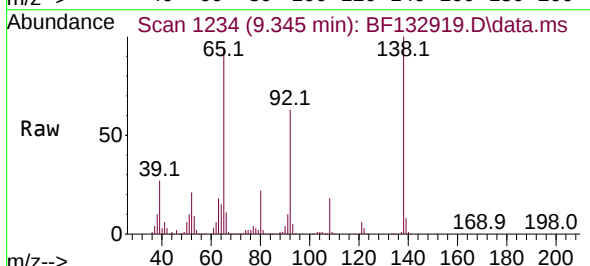
Tgt Ion: 65 Resp: 520036

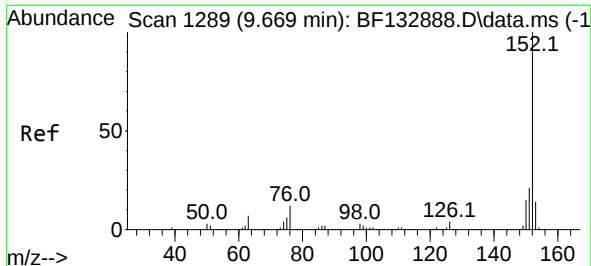
Ion Ratio Lower Upper

65 100

92 67.4 53.5 80.3

138 106.8 84.8 127.2





#49

Acenaphthylene

Concen: 43.525 ng

RT: 9.669 min Scan# 1289

Delta R.T. -0.000 min

Lab File: BF132919.D

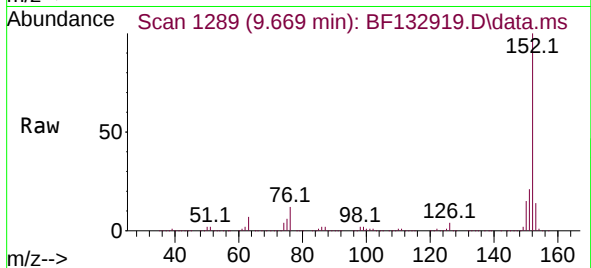
Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

SB-16-14-16-20230413MSD



Tgt Ion:152 Resp: 2358819

Ion Ratio Lower Upper

152 100

151 20.7 16.4 24.6

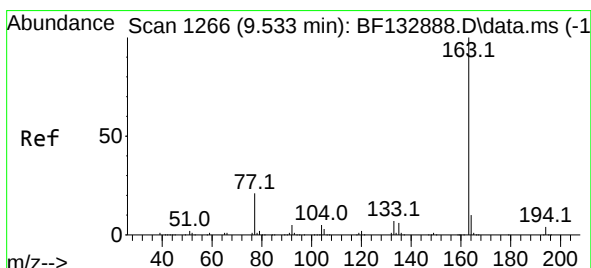
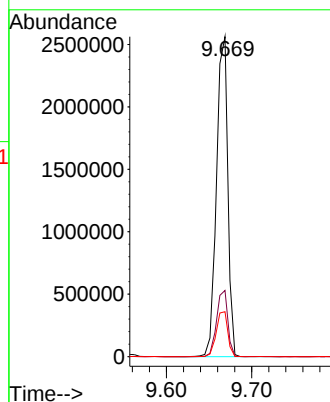
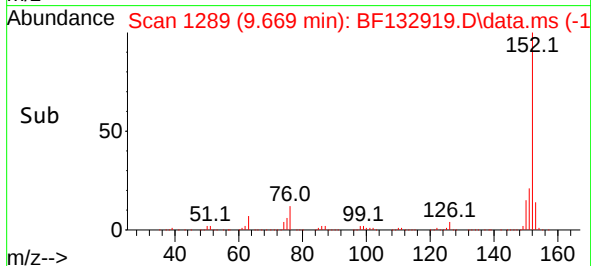
153 14.0 11.4 17.0

Manual Integrations

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Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#50

Dimethylphthalate

Concen: 46.408 ng

RT: 9.533 min Scan# 1266

Delta R.T. -0.000 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

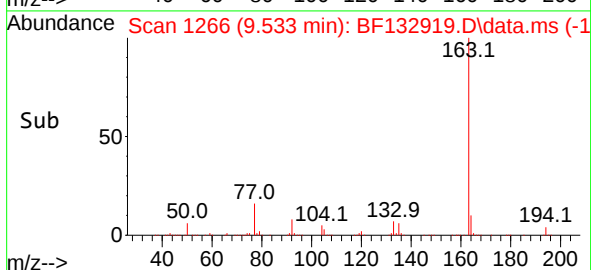
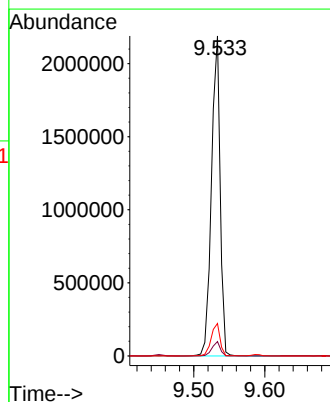
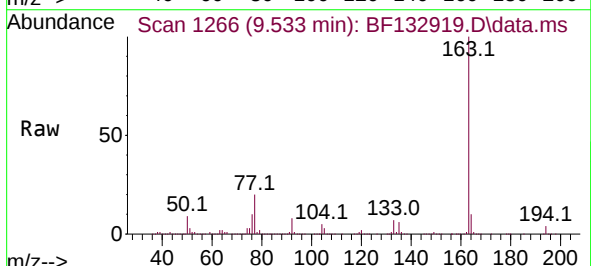
Tgt Ion:163 Resp: 1858359

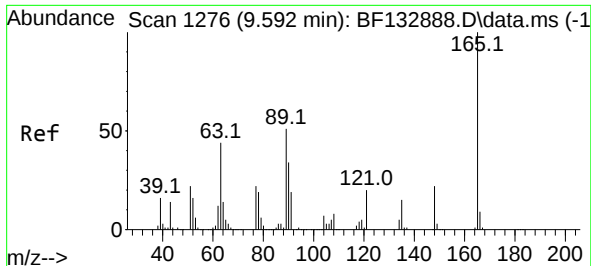
Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

164 10.1 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 49.593 ng

RT: 9.586 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132919.D

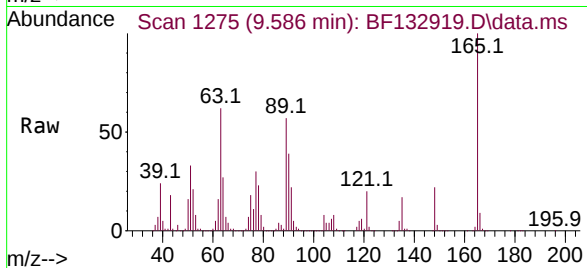
Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

SB-16-14-16-20230413MSD



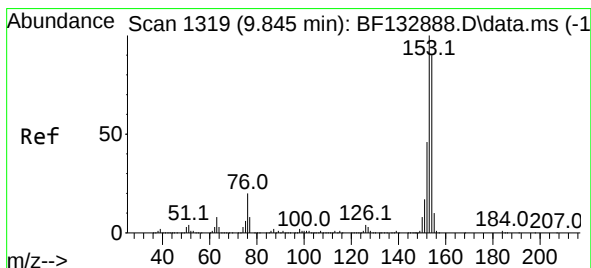
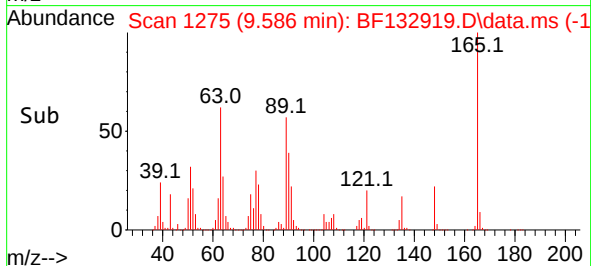
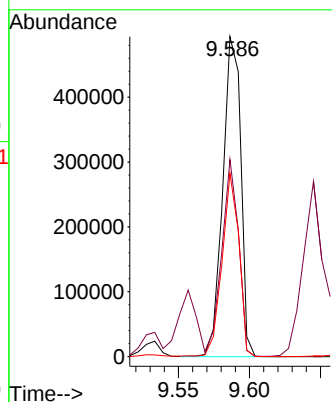
Tgt Ion:165 Resp: 43541

Ion	Ratio	Lower	Upper
165	100		
63	61.6	42.6	63.8
89	57.2	41.0	61.4

Manual Integrations

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Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#52

Acenaphthene

Concen: 49.130 ng

RT: 9.839 min Scan# 1318

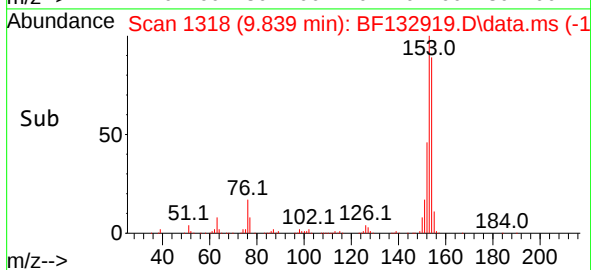
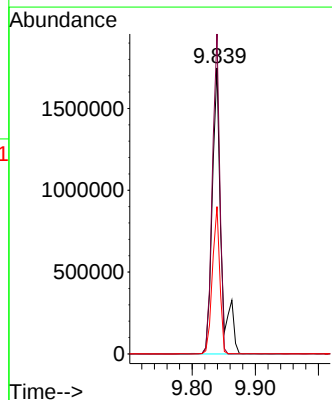
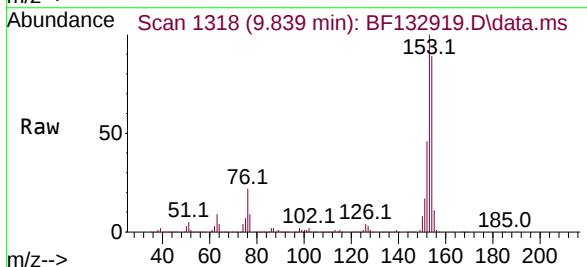
Delta R.T. -0.006 min

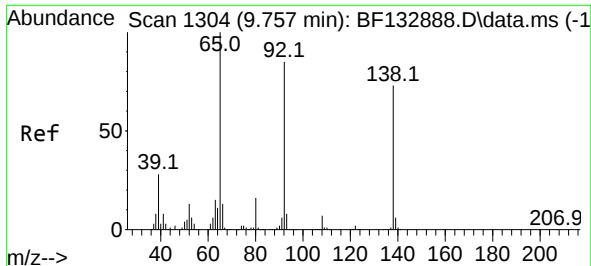
Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Tgt Ion:154 Resp: 1715750

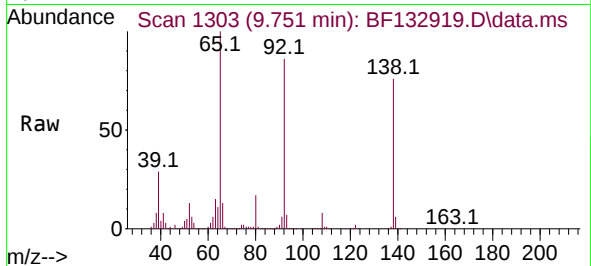
Ion	Ratio	Lower	Upper
154	100		
153	111.9	88.8	133.2
152	51.5	41.2	61.8





#53
3-Nitroaniline
Concen: 29.040 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

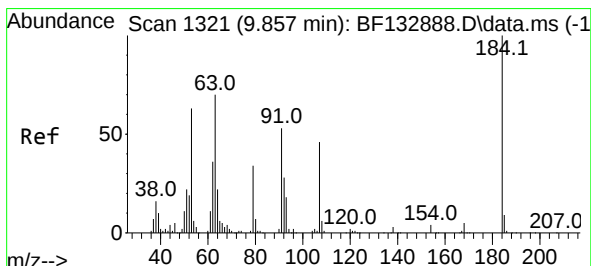
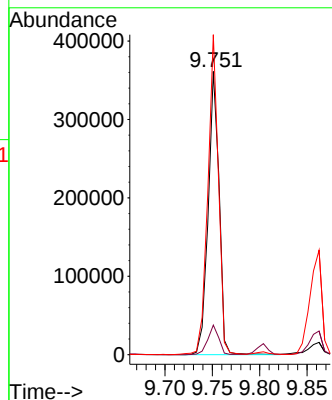
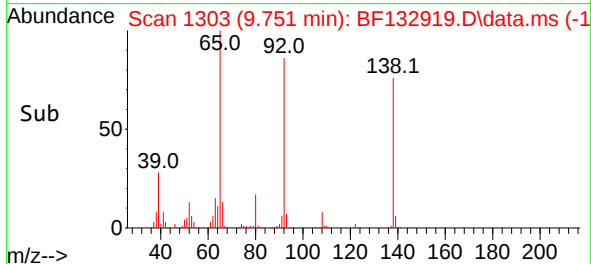
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion:138 Resp: 290132
Ion Ratio Lower Upper
138 100
108 10.4 8.2 12.2
92 113.0 93.8 140.8

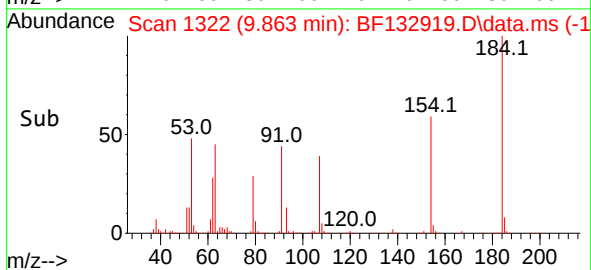
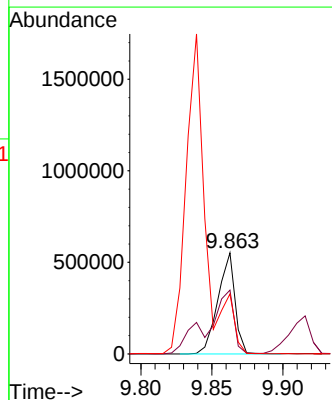
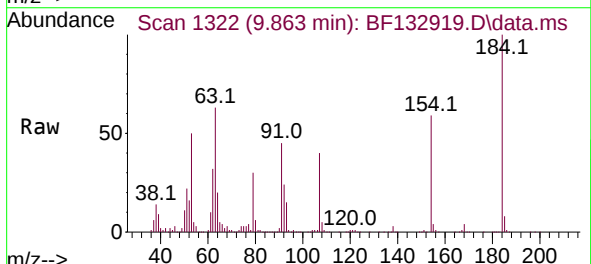
Manual Integrations
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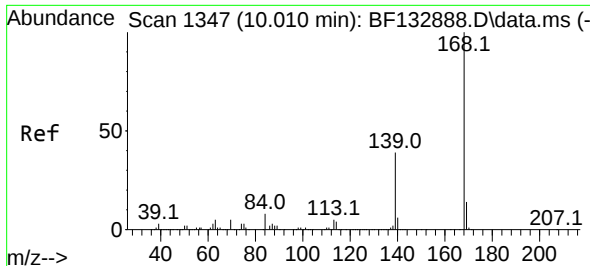
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#54
2,4-Dinitrophenol
Concen: 135.086 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

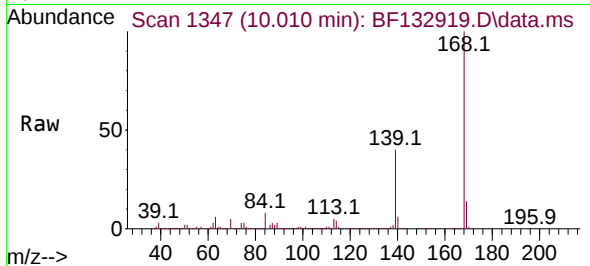
Tgt Ion:184 Resp: 462005
Ion Ratio Lower Upper
184 100
63 63.2 62.7 94.1
154 59.4 49.9 74.9





#55
Dibenzofuran
Concen: 43.898 ng
RT: 10.010 min Scan# 1347
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

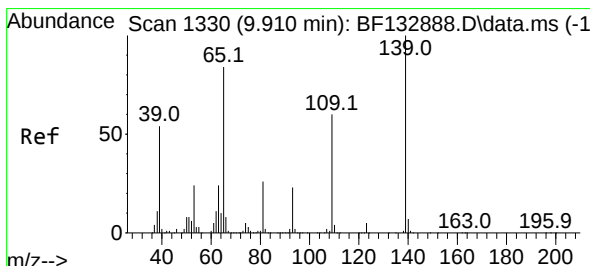
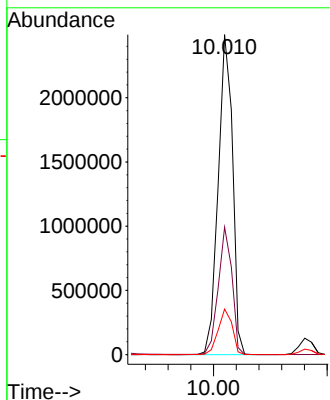
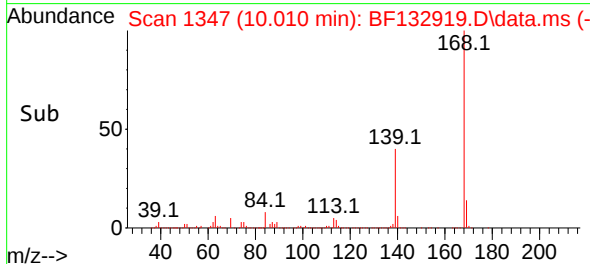
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion:168 Resp: 2175064
Ion Ratio Lower Upper
168 100
139 39.8 31.4 47.0
169 14.2 11.2 16.8

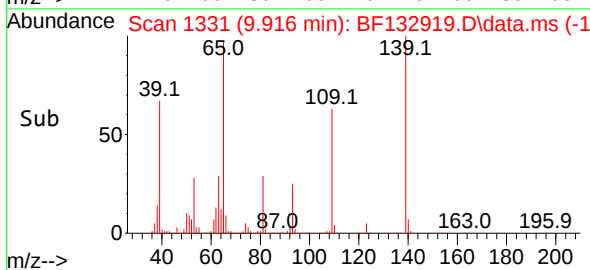
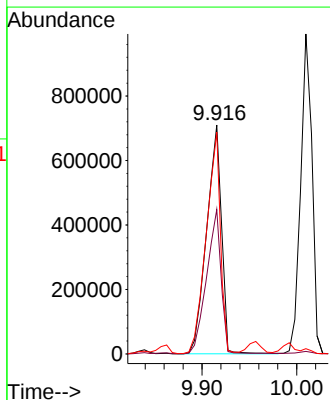
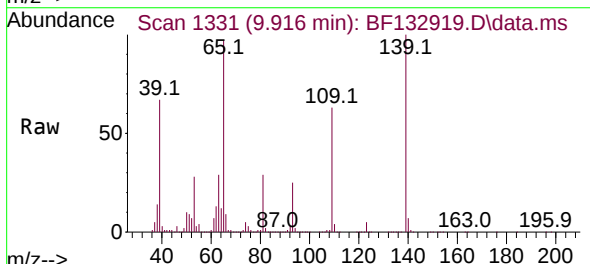
Manual Integrations
APPROVED

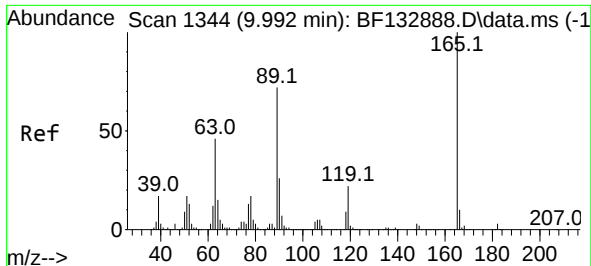
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#56
4-Nitrophenol
Concen: 104.941 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

Tgt Ion:139 Resp: 778814
Ion Ratio Lower Upper
139 100
109 63.1 40.4 80.4
65 96.9 64.2 104.2





#57

2,4-Dinitrotoluene

Concen: 52.732 ng

RT: 9.992 min Scan# 1344

Delta R.T. -0.000 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

SB-16-14-16-20230413MSD

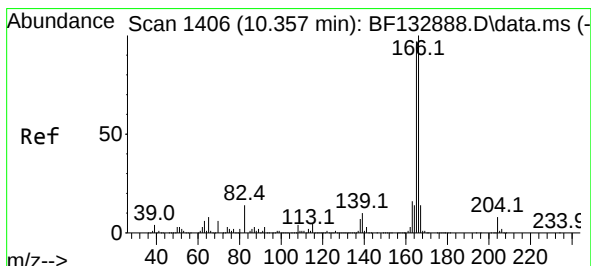
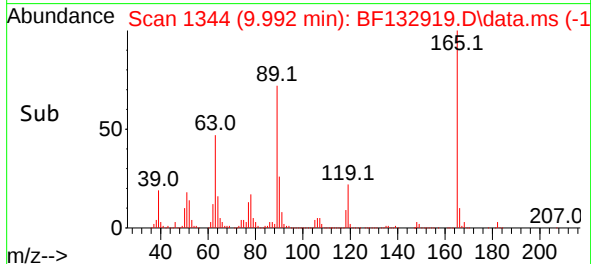
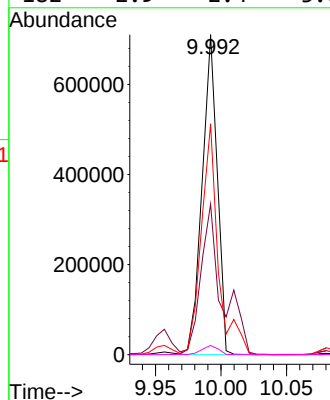
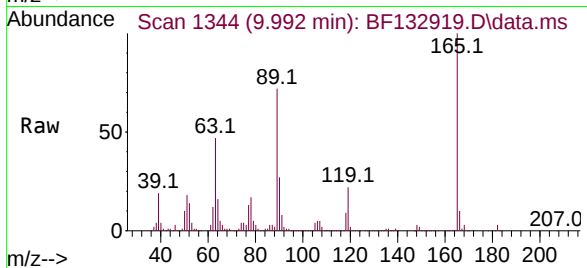
Tgt Ion:	165	Resp:	57139
Ion Ratio	Lower	Upper	
165	100		
63	47.0	37.0	55.6
89	72.1	57.8	86.6
182	2.9	2.4	3.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#58

Fluorene

Concen: 44.754 ng

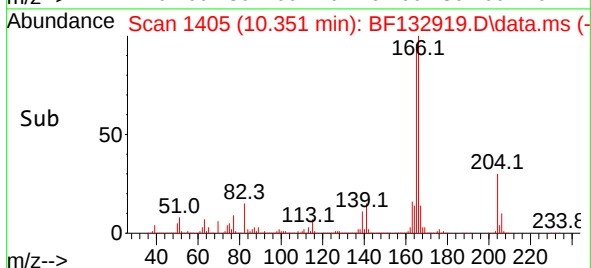
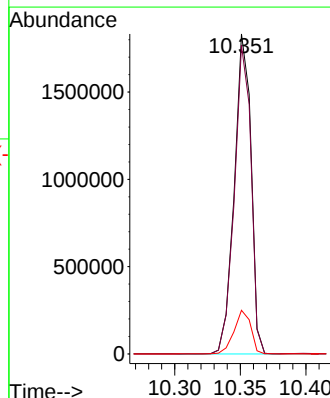
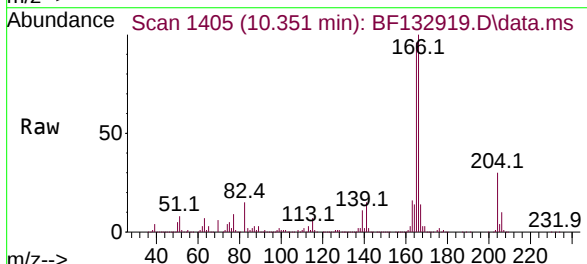
RT: 10.351 min Scan# 1405

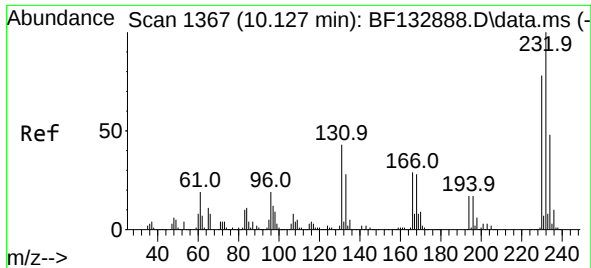
Delta R.T. -0.006 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

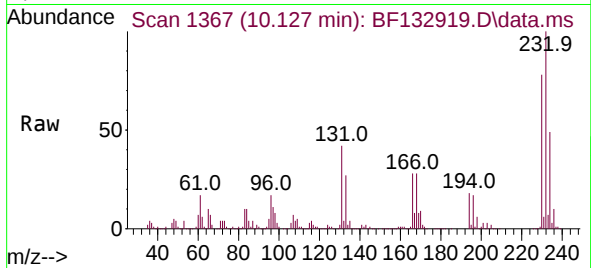
Tgt Ion:	166	Resp:	1624358
Ion Ratio	Lower	Upper	
166	100		
165	96.4	78.0	117.0
167	13.6	11.0	16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 49.963 ng
RT: 10.127 min Scan# 1367
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

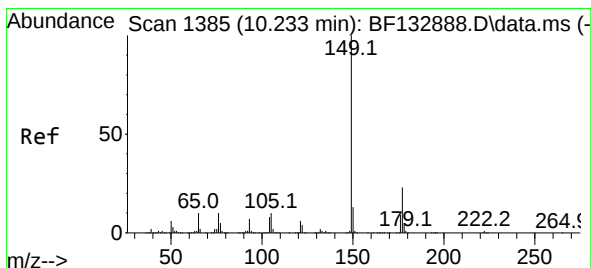
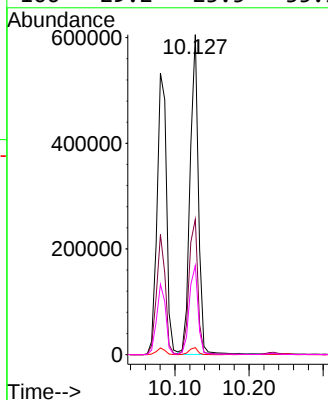
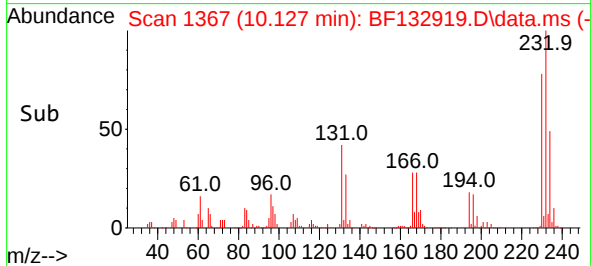
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



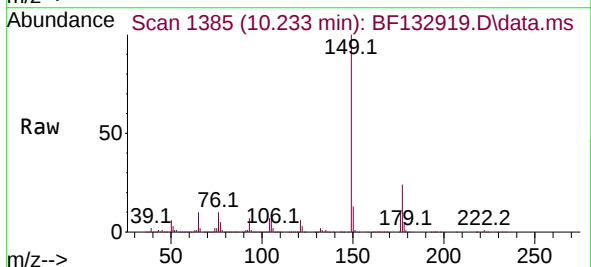
Tgt Ion:232 Resp: 470884
Ion Ratio Lower Upper
232 100
131 44.7 35.9 53.9
130 2.3 1.8 2.8
166 29.2 23.5 35.3

Manual Integrations
APPROVED

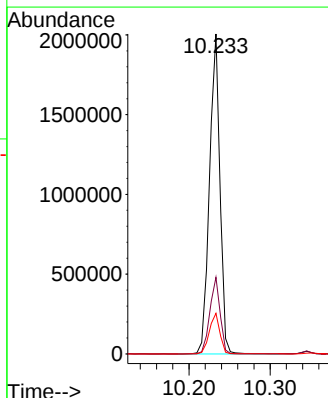
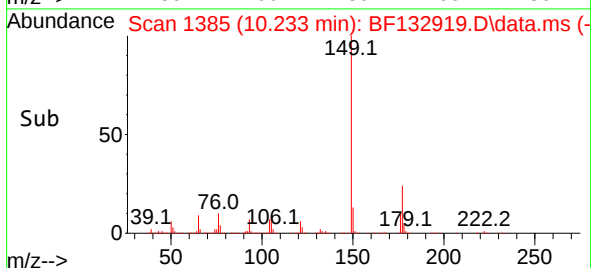
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023

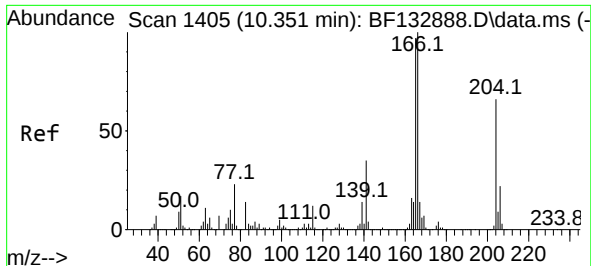


#60
Diethylphthalate
Concen: 48.078 ng
RT: 10.233 min Scan# 1385
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06



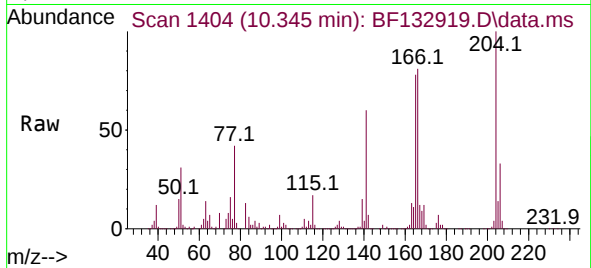
Tgt Ion:149 Resp: 1799030
Ion Ratio Lower Upper
149 100
177 23.9 18.5 27.7
150 12.7 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 43.533 ng
RT: 10.345 min Scan# 1404
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

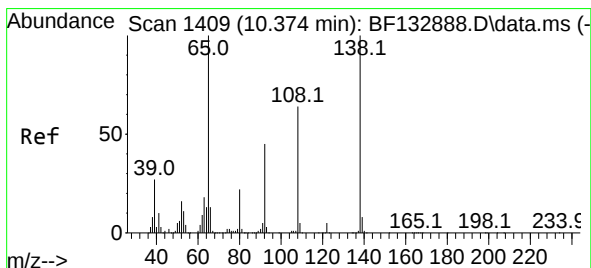
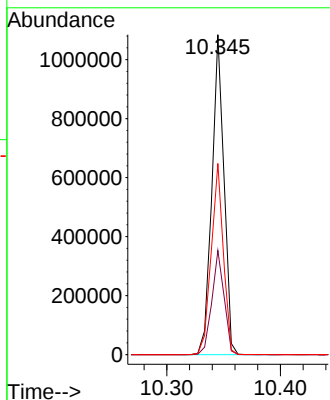
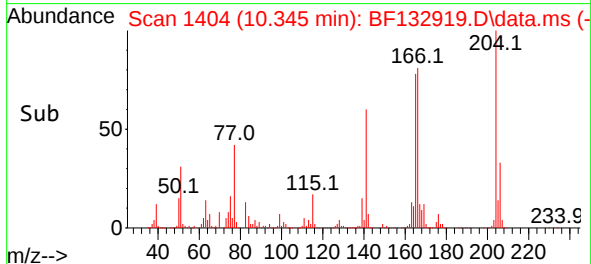
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



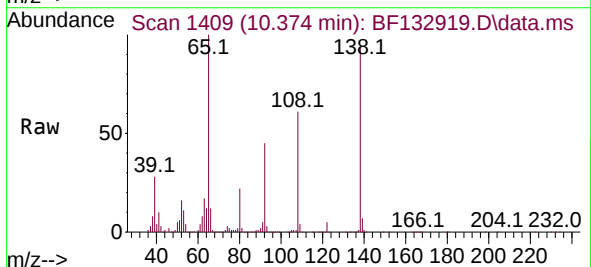
Tgt Ion:204 Resp: 803663
Ion Ratio Lower Upper
204 100
206 32.5 26.6 40.0
141 59.8 43.1 64.7

Manual Integrations
APPROVED

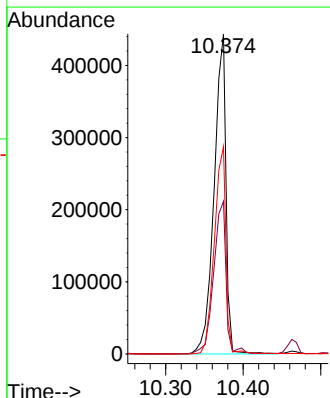
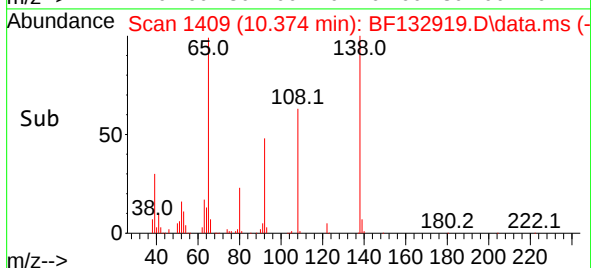
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023

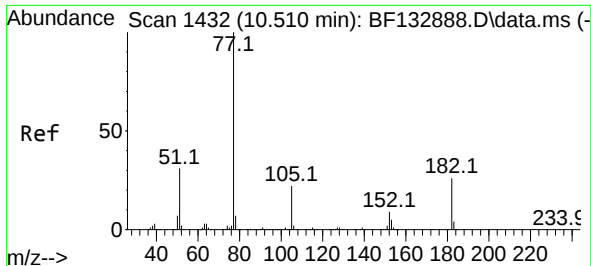


#62
4-Nitroaniline
Concen: 49.087 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06



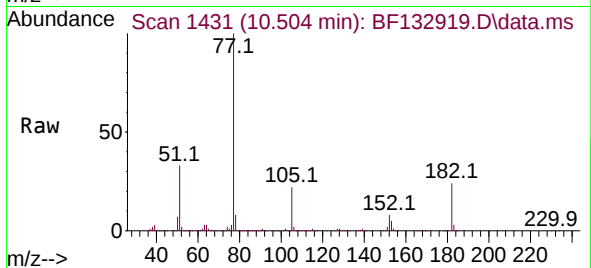
Tgt Ion:138 Resp: 471370
Ion Ratio Lower Upper
138 100
92 47.7 25.0 65.0
108 64.7 44.2 84.2





#63
Azobenzene
Concen: 47.322 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

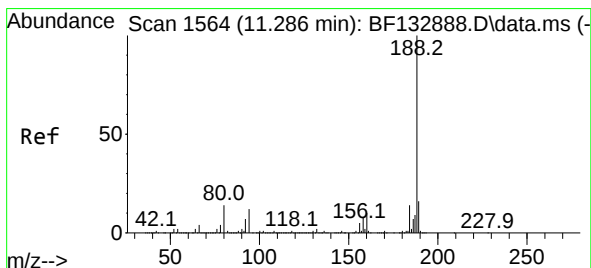
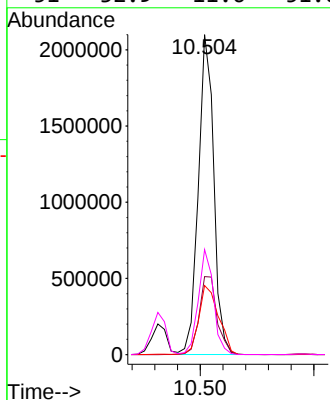
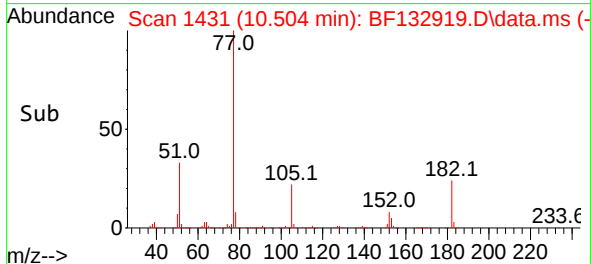
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion: 77 Resp: 1977952
Ion Ratio Lower Upper
77 100
182 24.4 6.0 46.0
105 21.6 1.6 41.6
51 32.9 11.6 51.6

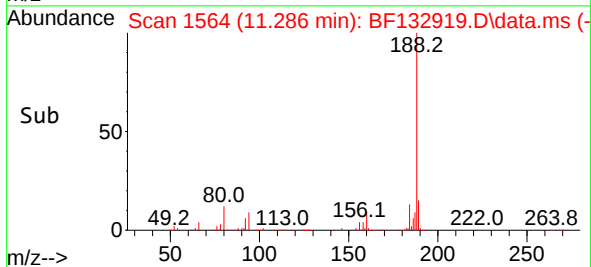
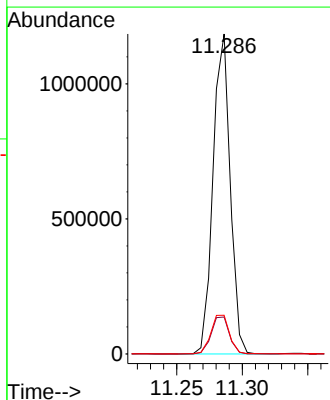
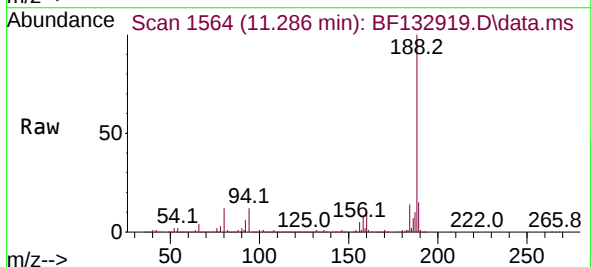
Manual Integrations
APPROVED

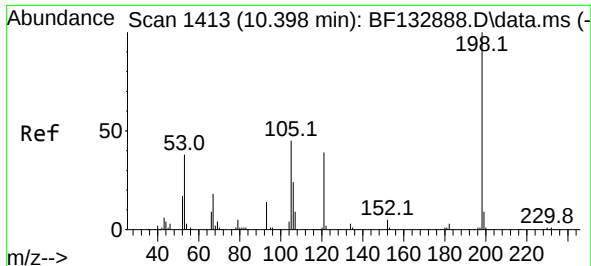
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

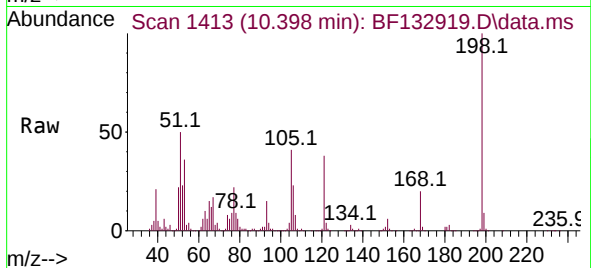
Tgt Ion:188 Resp: 1075852
Ion Ratio Lower Upper
188 100
94 11.5 9.9 14.9
80 12.1 10.8 16.2





#65
4,6-Dinitro-2-methylphenol
Concen: 61.679 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

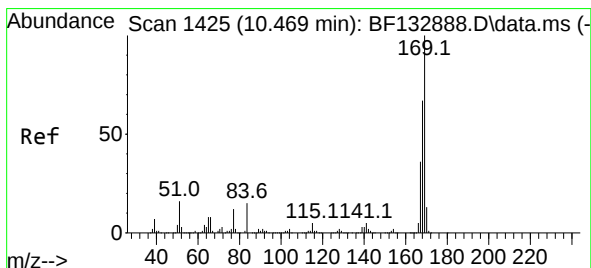
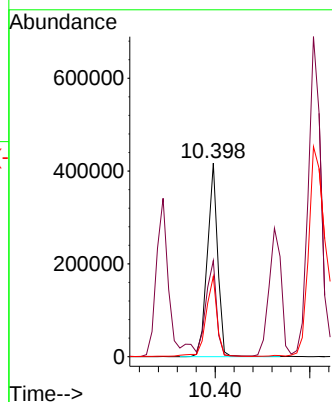
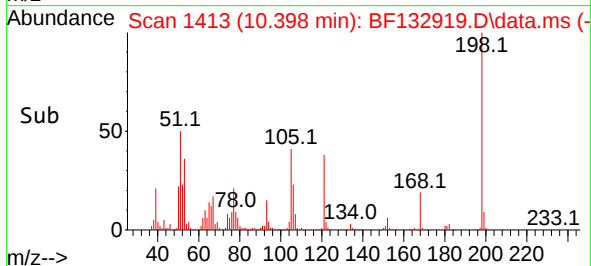
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion:198 Resp: 317795
Ion Ratio Lower Upper
198 100
51 49.6 34.6 74.6
105 41.5 25.6 65.6

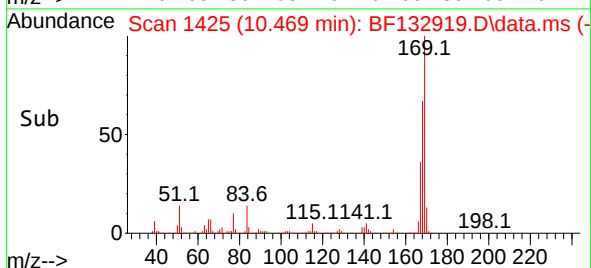
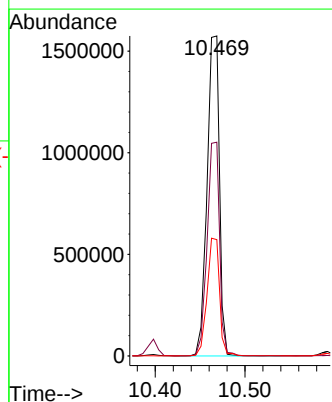
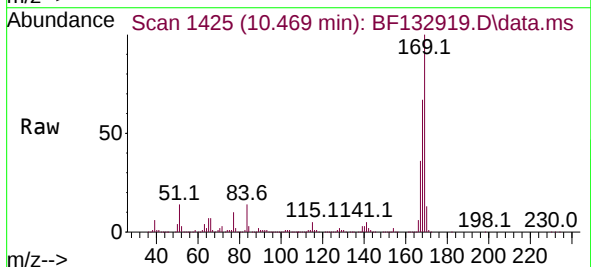
Manual Integrations
APPROVED

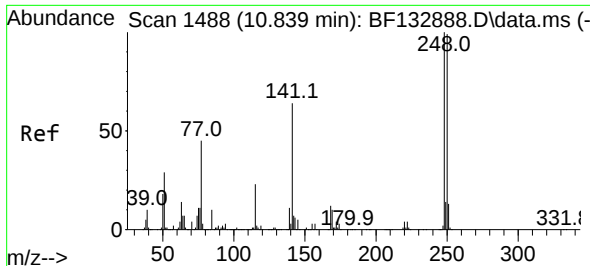
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#66
n-Nitrosodiphenylamine
Concen: 43.003 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

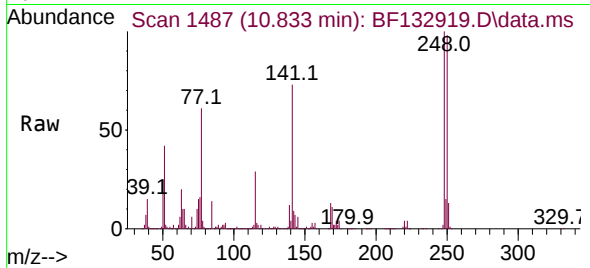
Tgt Ion:169 Resp: 1506755
Ion Ratio Lower Upper
169 100
168 66.8 53.4 80.0
167 36.3 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 43.673 ng
RT: 10.833 min Scan# 1487
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

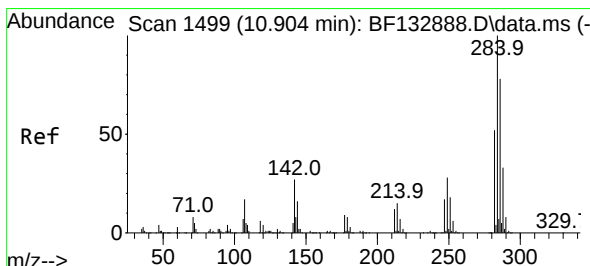
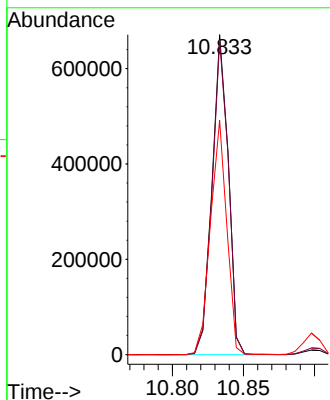
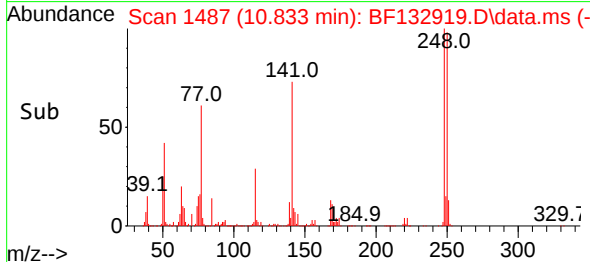
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion:248 Resp: 536527
Ion Ratio Lower Upper
248 100
250 98.3 79.1 118.7
141 73.2 51.0 76.6

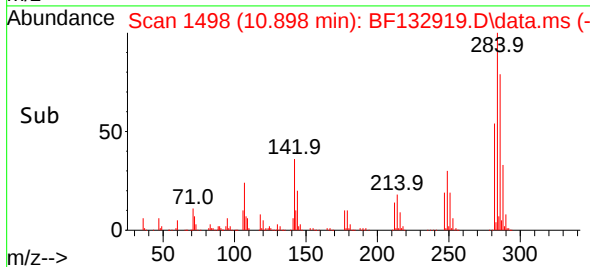
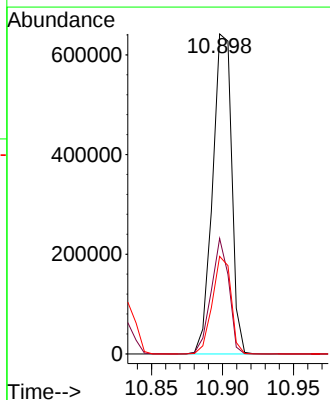
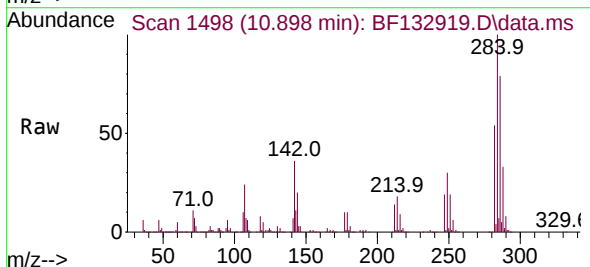
Manual Integrations
APPROVED

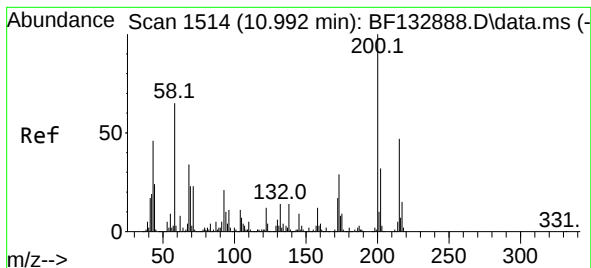
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#68
Hexachlorobenzene
Concen: 47.157 ng
RT: 10.898 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

Tgt Ion:284 Resp: 601040
Ion Ratio Lower Upper
284 100
142 36.1 22.0 33.0#
249 30.5 22.6 34.0





#69

Atrazine

Concen: 55.037 ng

RT: 10.992 min Scan# 1514

Delta R.T. -0.000 min

Lab File: BF132919.D

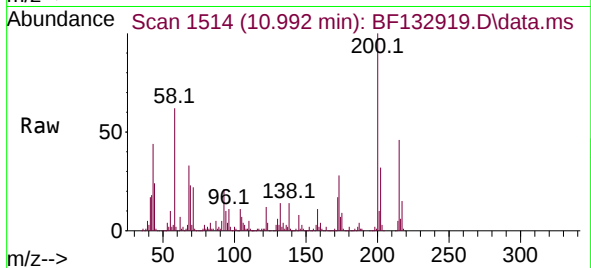
Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

SB-16-14-16-20230413MSD



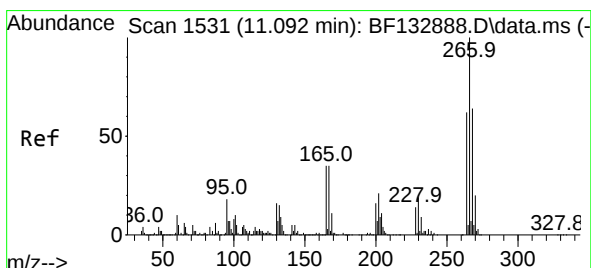
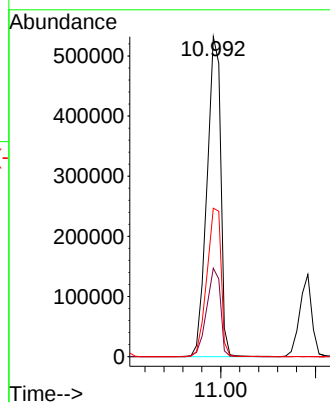
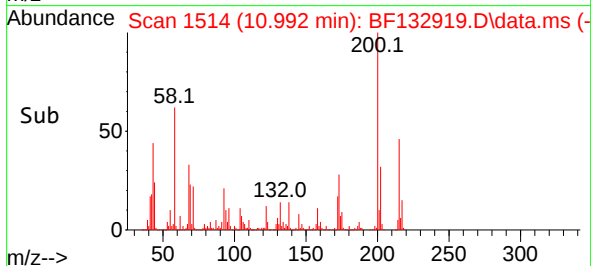
Tgt Ion:200 Resp: 53901

Ion	Ratio	Lower	Upper
200	100		
173	27.6	8.7	48.7
215	46.4	27.2	67.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#70

Pentachlorophenol

Concen: 88.260 ng

RT: 11.092 min Scan# 1531

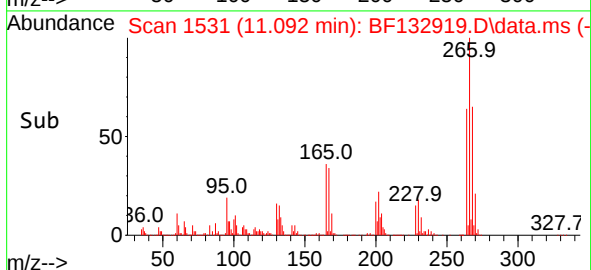
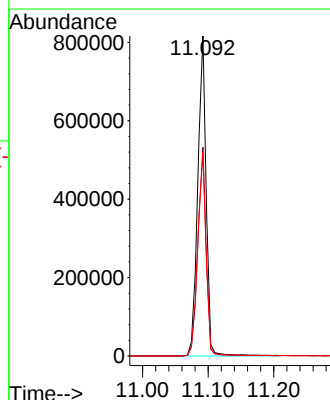
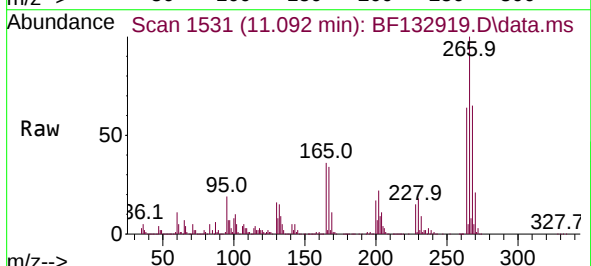
Delta R.T. 0.000 min

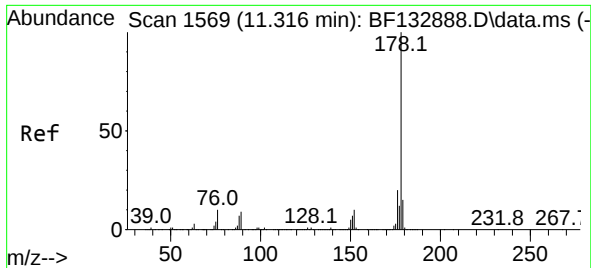
Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Tgt Ion:266 Resp: 725906

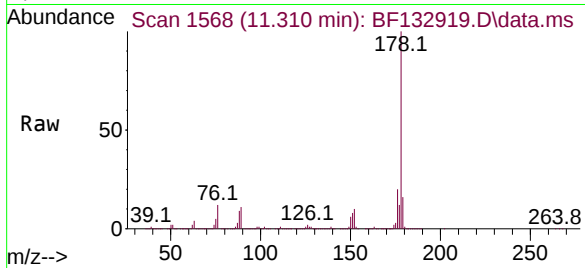
Ion	Ratio	Lower	Upper
266	100		
268	65.2	50.9	76.3
264	63.7	49.8	74.6





#71
Phenanthrene
Concen: 43.496 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

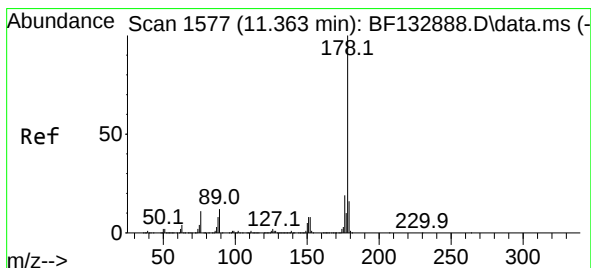
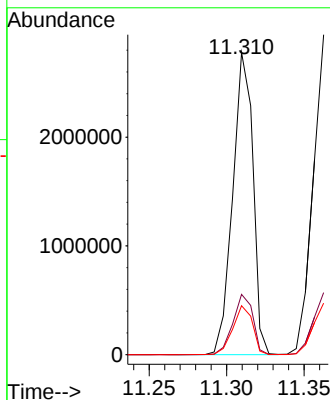
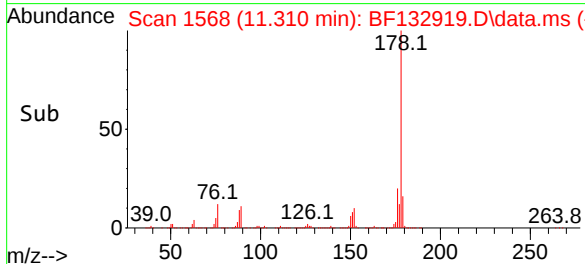
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion:178 Resp: 2517075
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 16.2 12.3 18.5

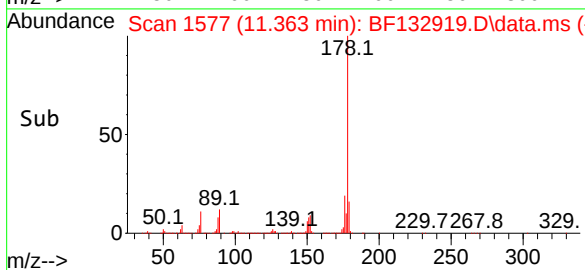
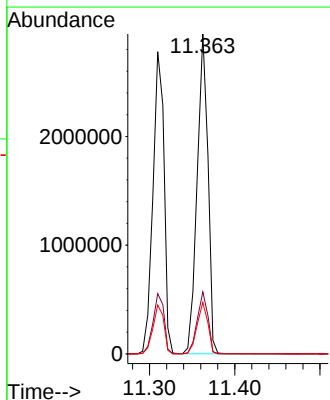
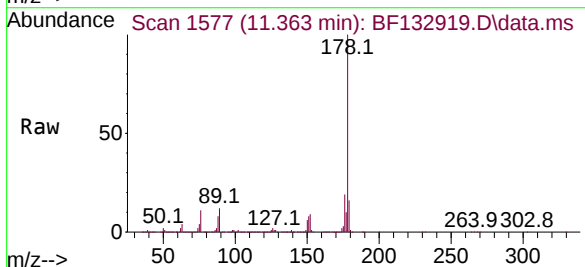
Manual Integrations
APPROVED

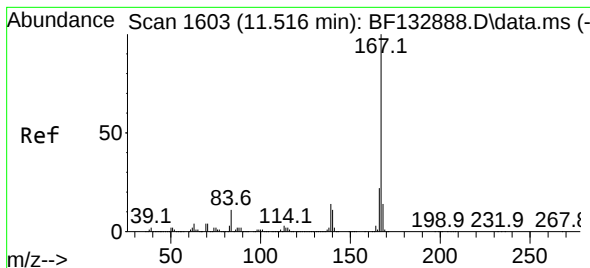
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#72
Anthracene
Concen: 43.717 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

Tgt Ion:178 Resp: 2589761
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 16.1 12.8 19.2





#73

Carbazole

Concen: 44.954 ng

RT: 11.516 min Scan# 1603

Delta R.T. -0.000 min

Lab File: BF132919.D

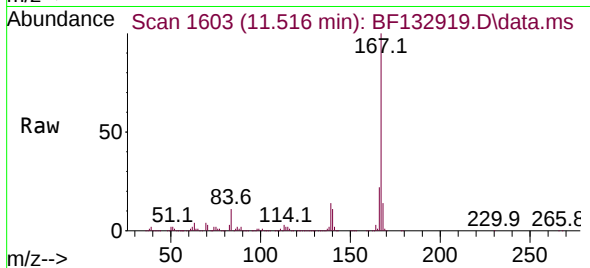
Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

SB-16-14-16-20230413MSD



Tgt Ion:167 Resp: 2304210

Ion Ratio Lower Upper

167 100

166 22.3 17.4 26.2

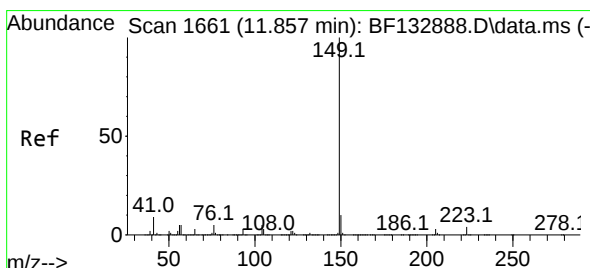
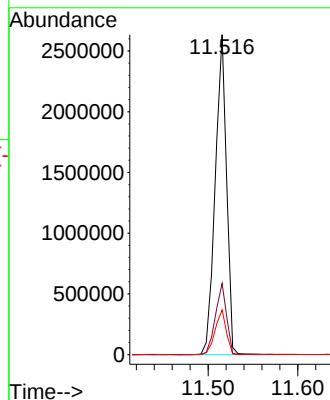
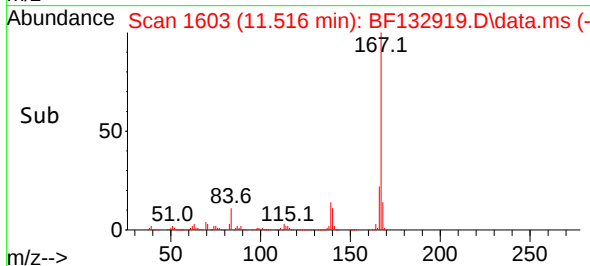
139 14.0 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#74

Di-n-butylphthalate

Concen: 52.368 ng

RT: 11.857 min Scan# 1661

Delta R.T. -0.000 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

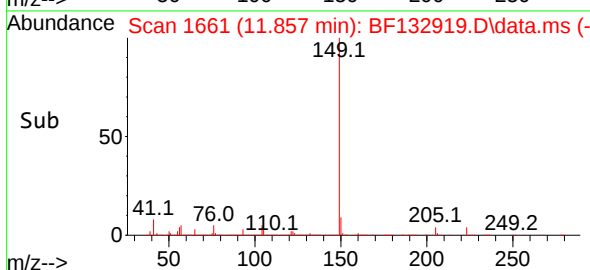
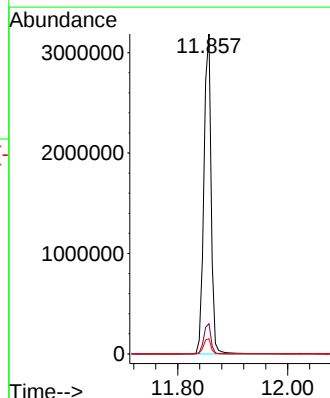
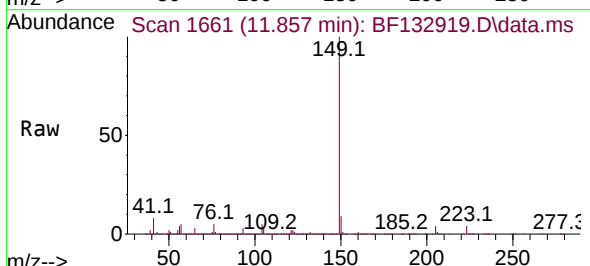
Tgt Ion:149 Resp: 2877517

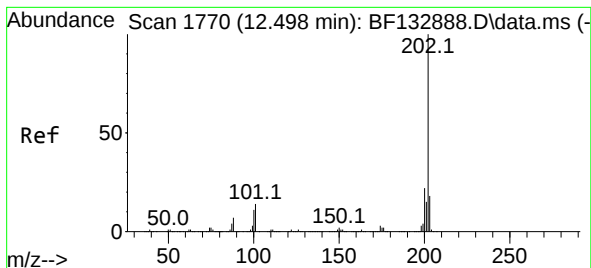
Ion Ratio Lower Upper

149 100

150 9.4 7.8 11.6

104 4.7 4.2 6.2





#75

Fluoranthene

Concen: 44.367 ng

RT: 12.498 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

SB-16-14-16-20230413MSD

Tgt Ion:202 Resp: 255318

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.5

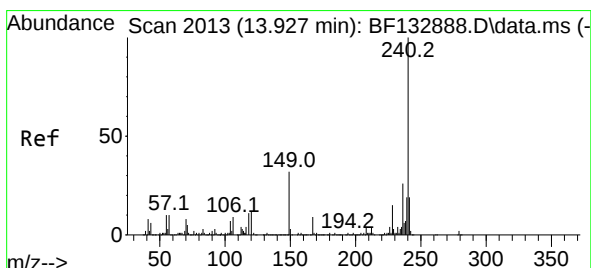
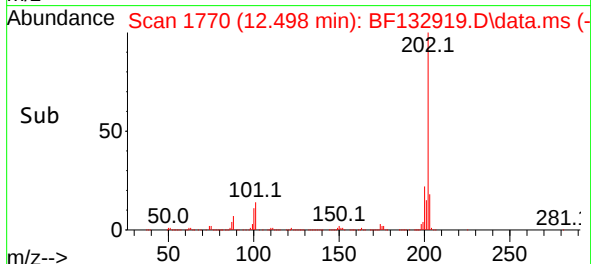
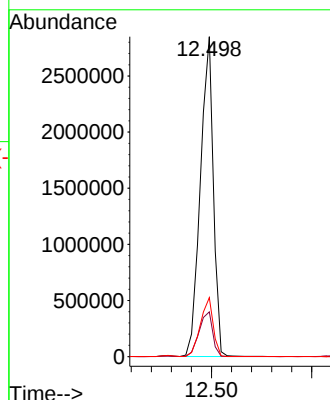
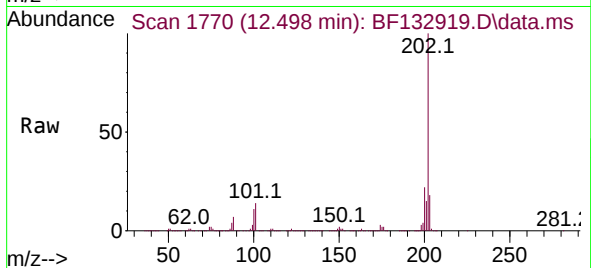
203 18.4 0.0 38.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.921 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

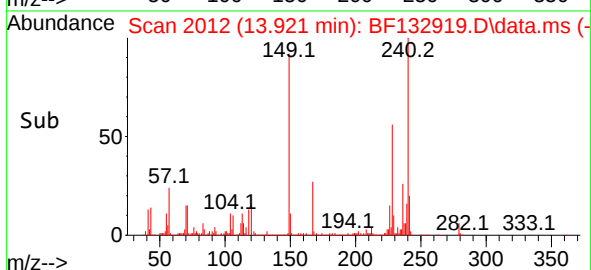
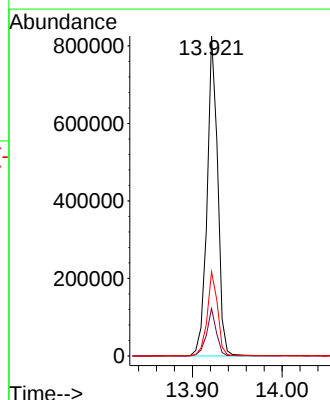
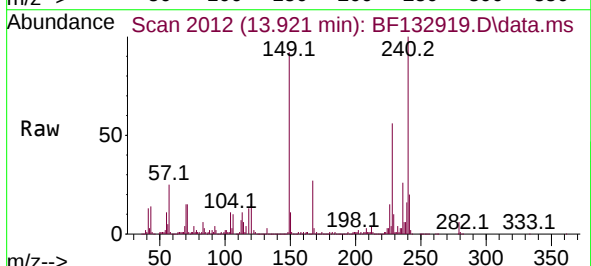
Tgt Ion:240 Resp: 675677

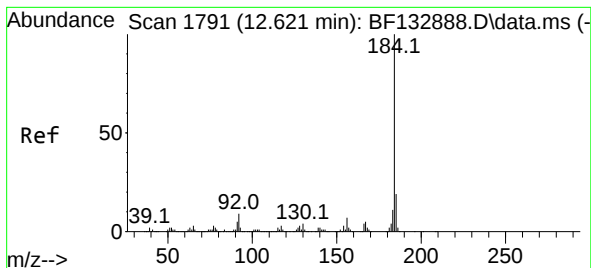
Ion Ratio Lower Upper

240 100

120 14.8 10.0 15.0

236 26.3 20.8 31.2





#77

Benzidine

Concen: 88.177 ng

RT: 12.621 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

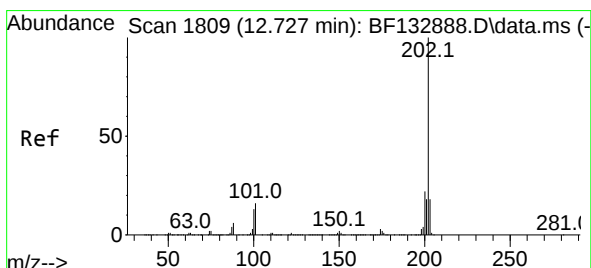
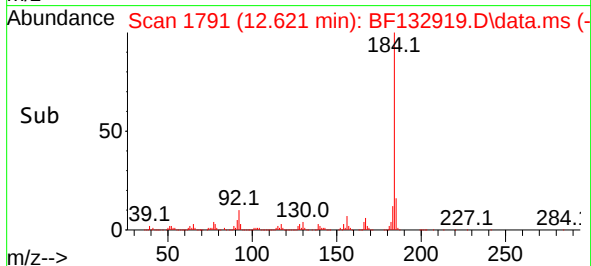
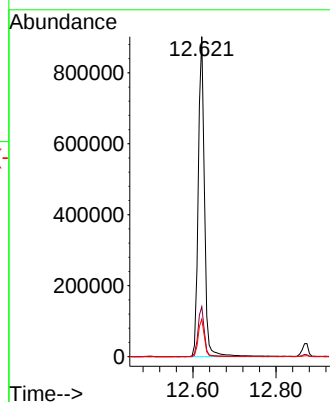
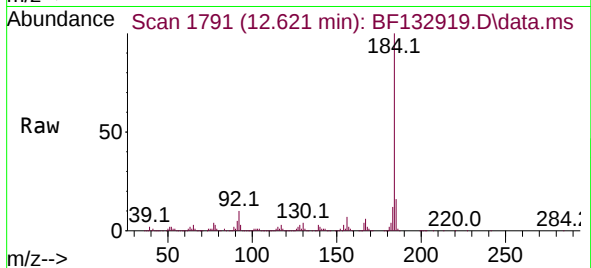
SB-16-14-16-20230413MSD

Tgt Ion:	184	Resp:	928105
Ion Ratio	Lower	Upper	
184	100		
185	15.6	14.9	22.3
183	11.7	9.0	13.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#78

Pyrene

Concen: 47.034 ng

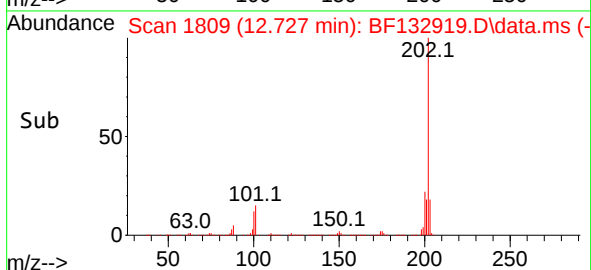
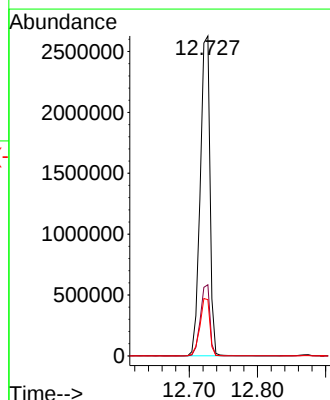
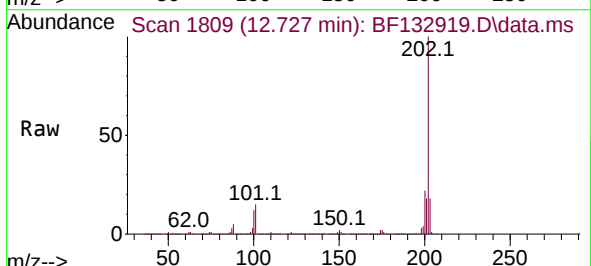
RT: 12.727 min Scan# 1809

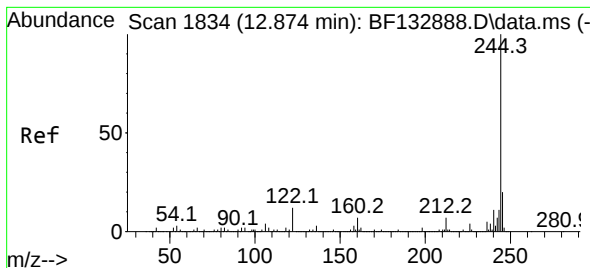
Delta R.T. -0.000 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Tgt Ion:	202	Resp:	2598588
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.6	26.4
203	17.6	14.6	22.0





#79

Terphenyl-d14

Concen: 78.827 ng

RT: 12.874 min Scan# 1834

Delta R.T. -0.000 min

Lab File: BF132919.D

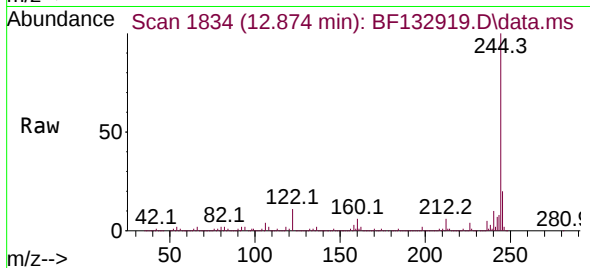
Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

SB-16-14-16-20230413MSD



Tgt Ion:244 Resp: 312188

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

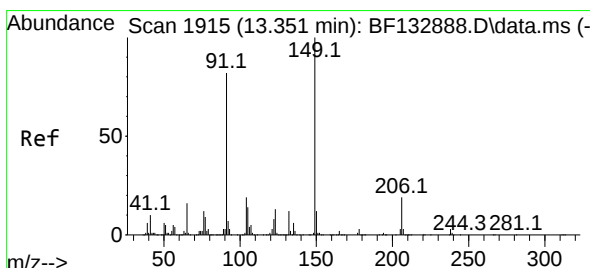
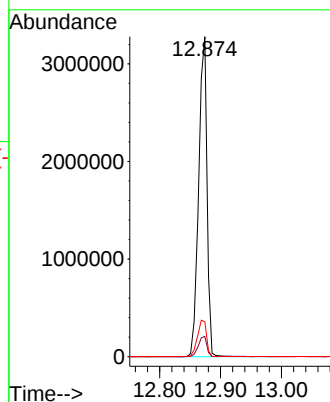
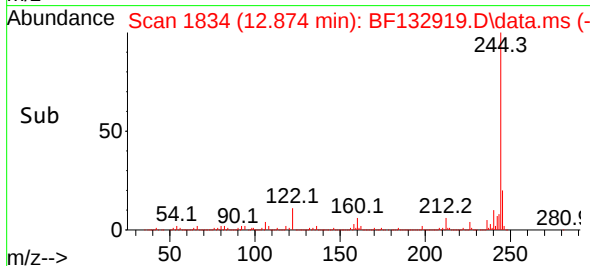
122 10.9 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#80

Butylbenzylphthalate

Concen: 68.414 ng

RT: 13.351 min Scan# 1915

Delta R.T. -0.000 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

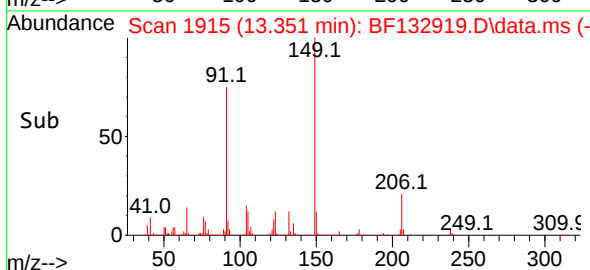
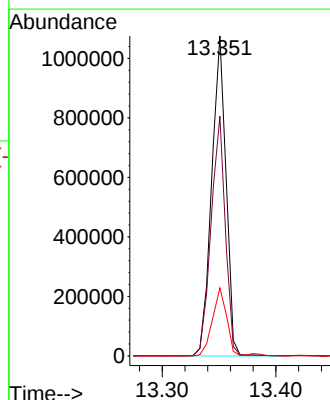
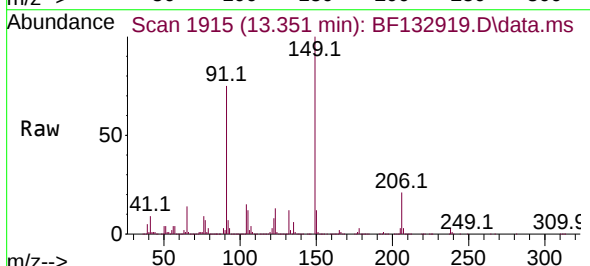
Tgt Ion:149 Resp: 944744

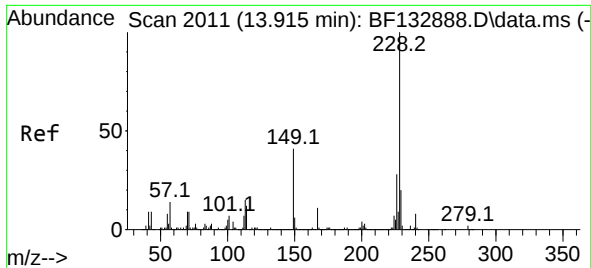
Ion Ratio Lower Upper

149 100

91 74.9 65.4 98.0

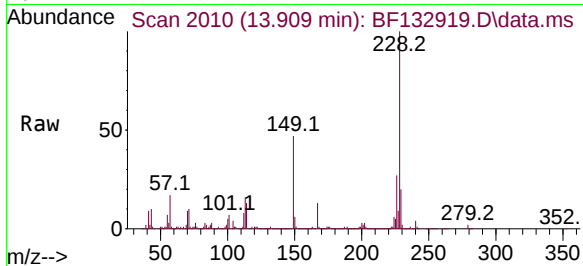
206 21.2 15.6 23.4





#81
Benzo(a)anthracene
Concen: 46.311 ng
RT: 13.909 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

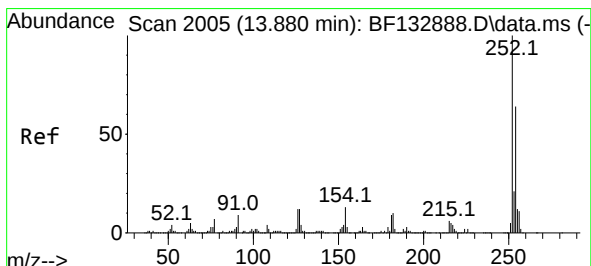
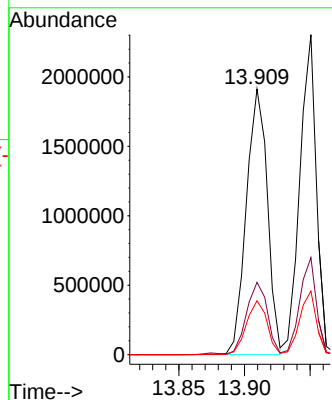
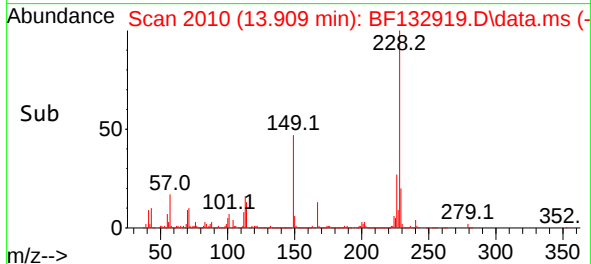
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



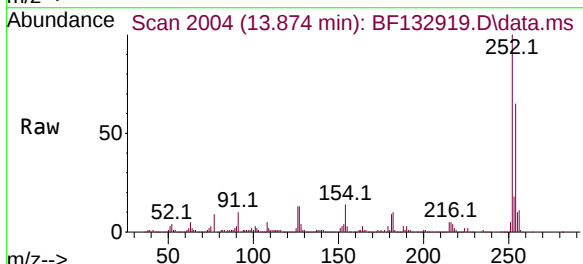
Tgt Ion:228 Resp: 212802
Ion Ratio Lower Upper
228 100
226 27.2 22.4 33.6
229 20.3 16.2 24.2

Manual Integrations
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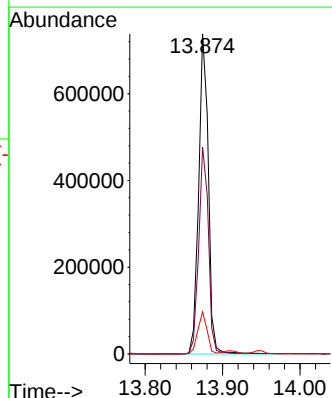
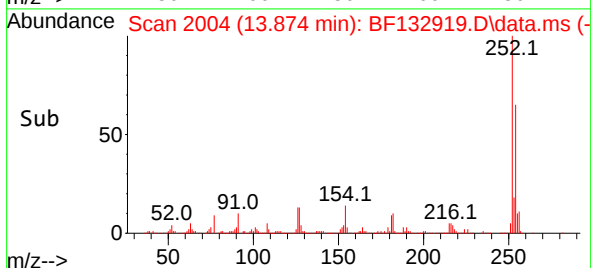
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023

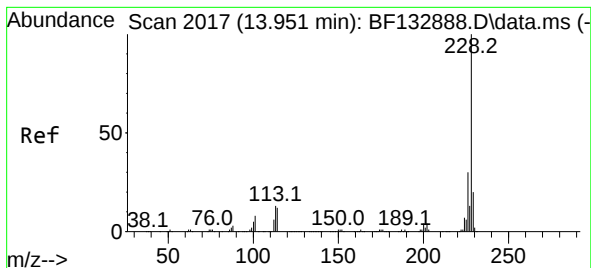


#82
3,3'-Dichlorobenzidine
Concen: 57.359 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06



Tgt Ion:252 Resp: 637564
Ion Ratio Lower Upper
252 100
254 64.6 51.0 76.6
126 13.1 9.8 14.6





#83

Chrysene

Concen: 44.701 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

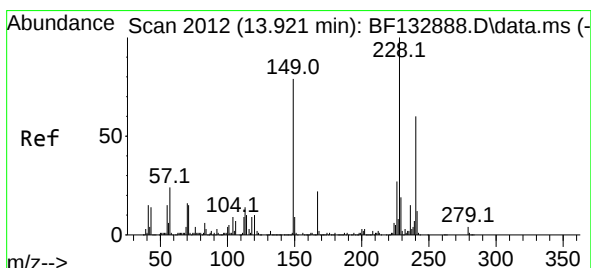
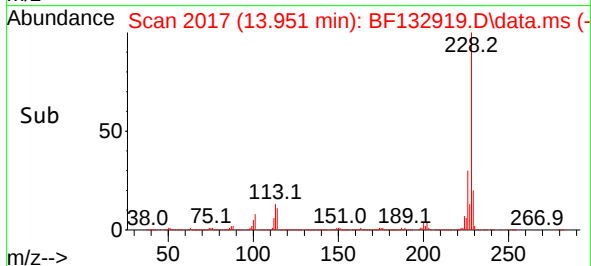
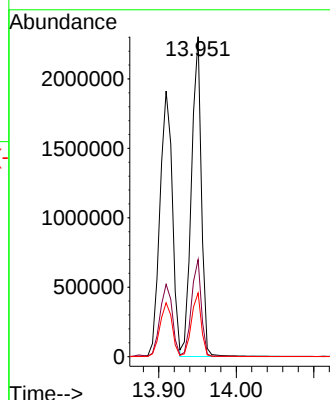
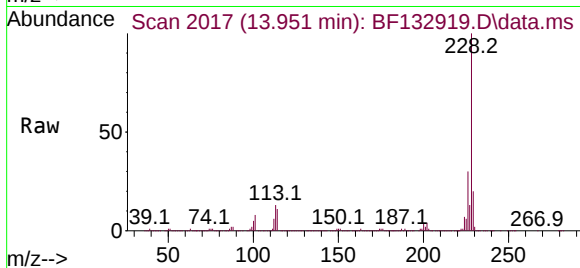
SB-16-14-16-20230413MSD

Tgt Ion:228 Resp: 2041591
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.3 36.5
 229 19.9 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023
 Supervised By :Jagrut Upadhyay 04/24/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 76.873 ng

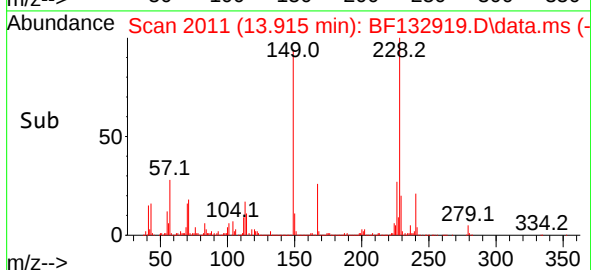
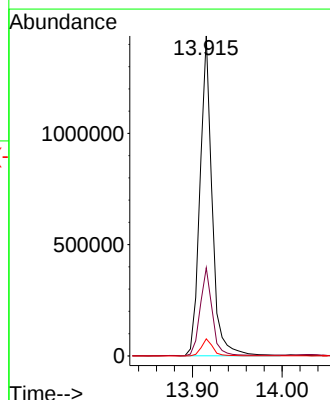
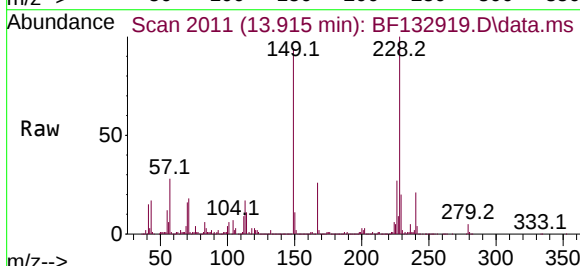
RT: 13.915 min Scan# 2011

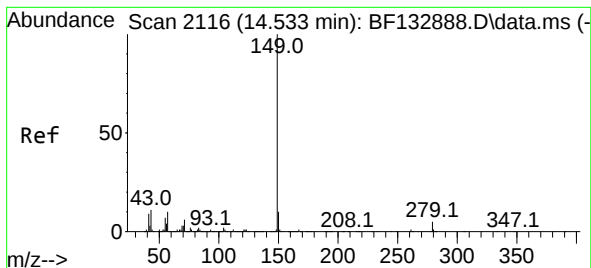
Delta R.T. -0.006 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Tgt Ion:149 Resp: 1343475
 Ion Ratio Lower Upper
 149 100
 167 27.5 22.2 33.4
 279 5.3 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 63.063 ng

RT: 14.527 min Scan# 2115

Delta R.T. -0.006 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

Instrument :

BNA_F

ClientSampleId :

SB-16-14-16-20230413MSD

Tgt Ion:149 Resp: 248325

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

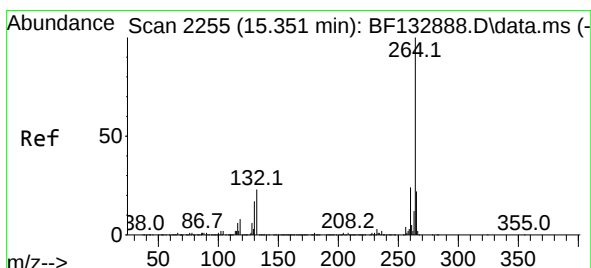
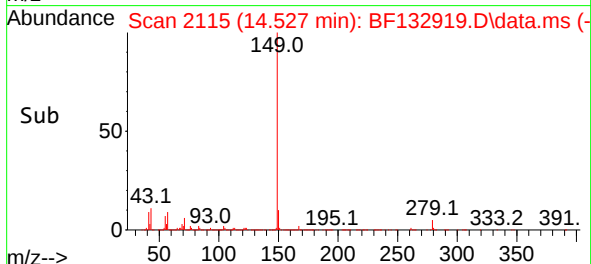
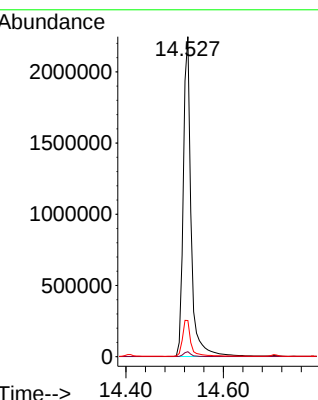
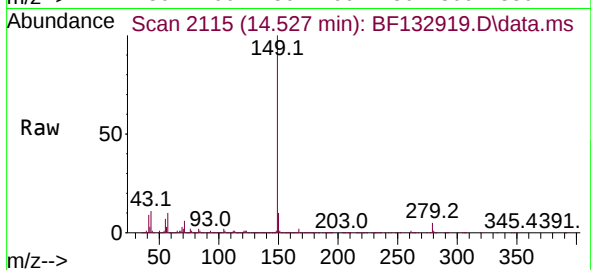
43 12.4 11.5 17.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.345 min Scan# 2254

Delta R.T. -0.006 min

Lab File: BF132919.D

Acq: 19 Apr 2023 19:06

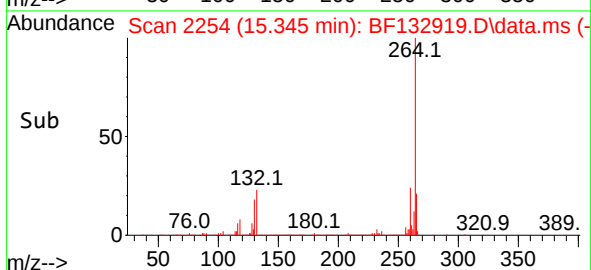
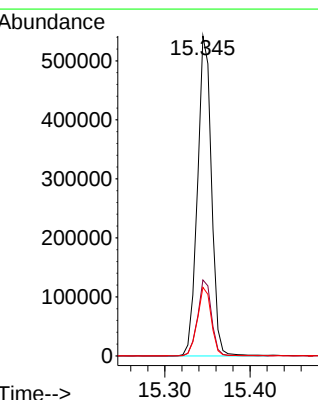
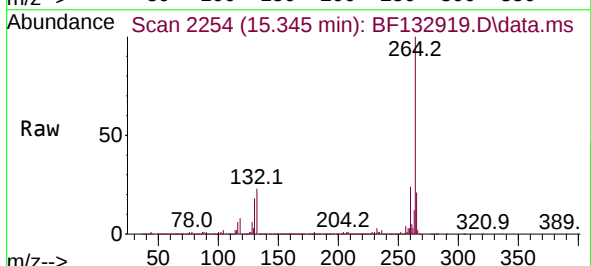
Tgt Ion:264 Resp: 617668

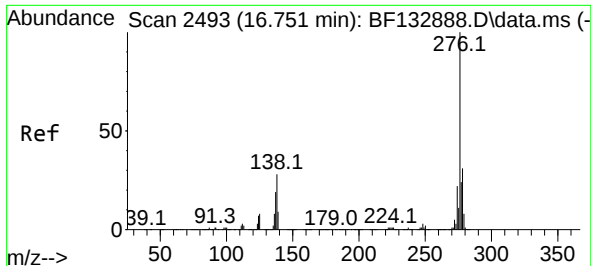
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

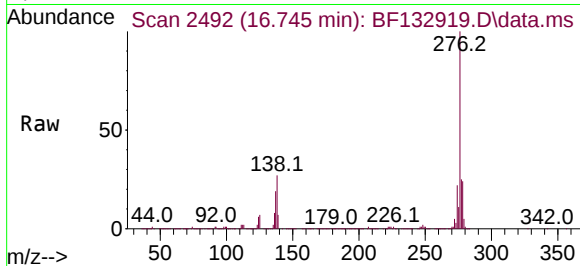
265 21.4 17.7 26.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 55.336 ng
RT: 16.745 min Scan# 2493
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

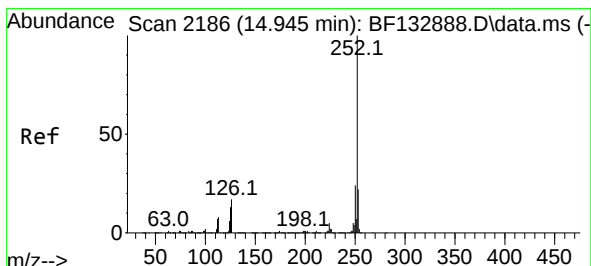
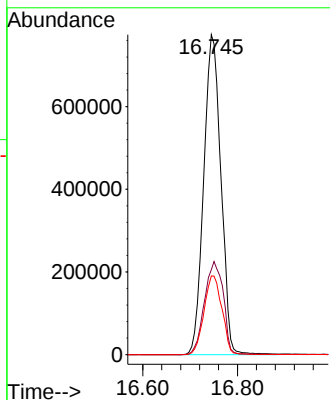
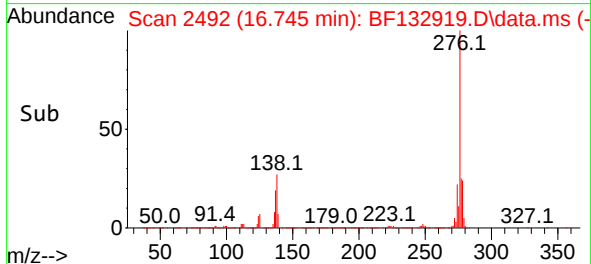
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion: 276 Resp: 1953019
Ion Ratio Lower Upper
276 100
138 31.7 25.5 38.3
277 25.7 20.3 30.5

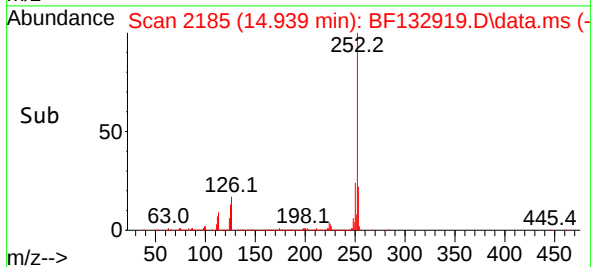
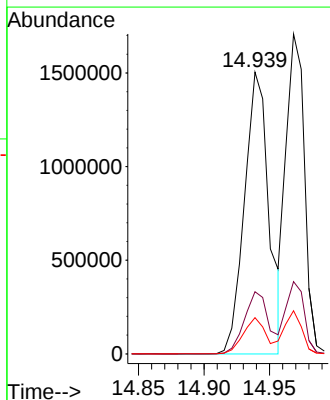
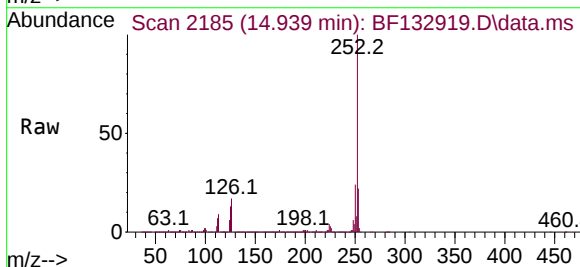
Manual Integrations
APPROVED

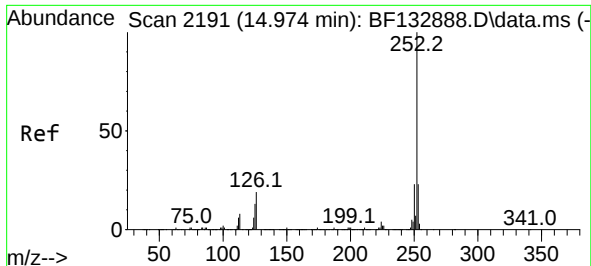
Reviewed By : Christian Giraldo 04/21/2023
Supervised By : Jagrut Upadhyay 04/24/2023



#88
Benzo(b)fluoranthene
Concen: 50.816 ng
RT: 14.939 min Scan# 2185
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

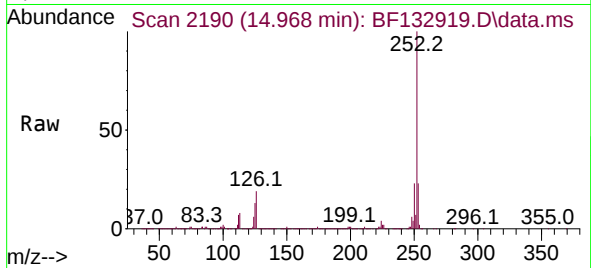
Tgt Ion: 252 Resp: 1955121
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 12.9 10.0 15.0





#89
Benzo(k)fluoranthene
Concen: 43.683 ng
RT: 14.968 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

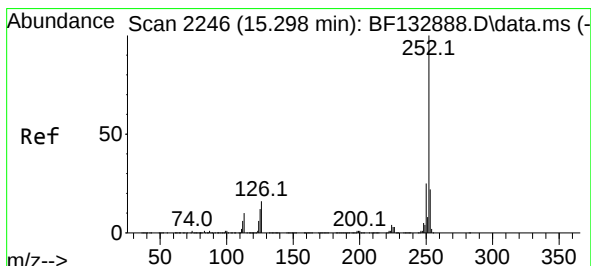
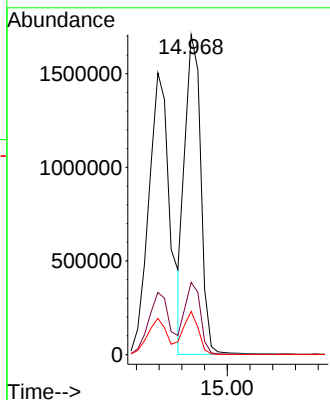
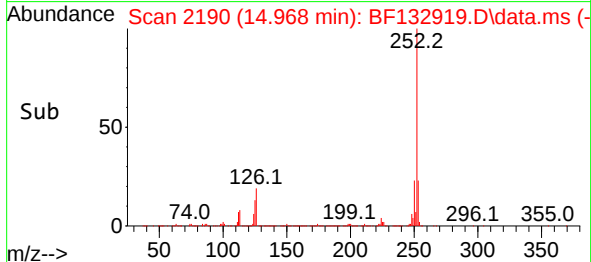
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



Tgt Ion:252 Resp: 1674244
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 13.5 10.0 15.0

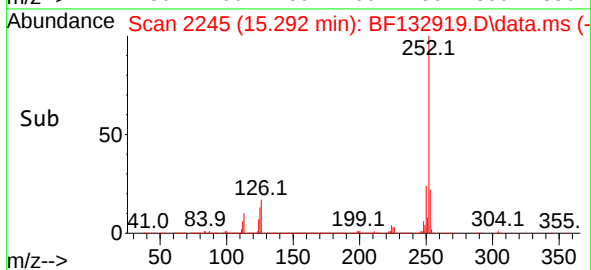
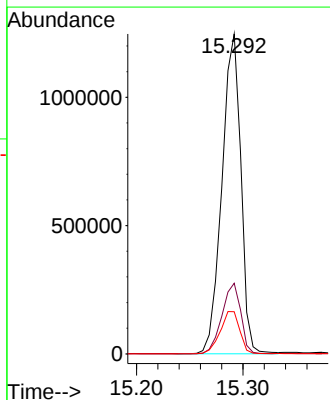
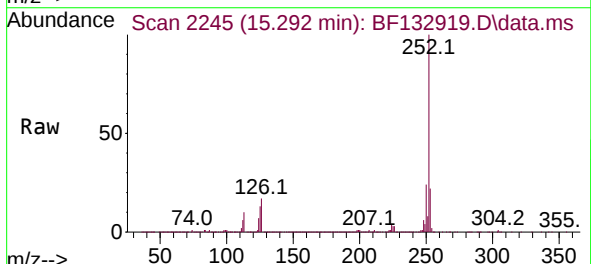
Manual Integrations
APPROVED

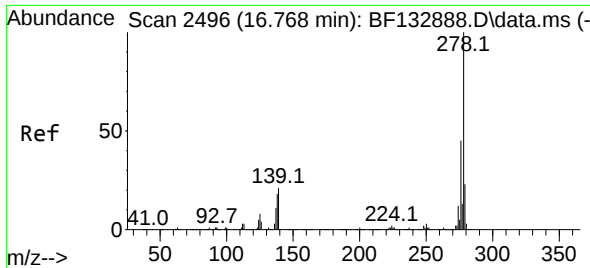
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#90
Benzo(a)pyrene
Concen: 43.896 ng
RT: 15.292 min Scan# 2245
Delta R.T. -0.006 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

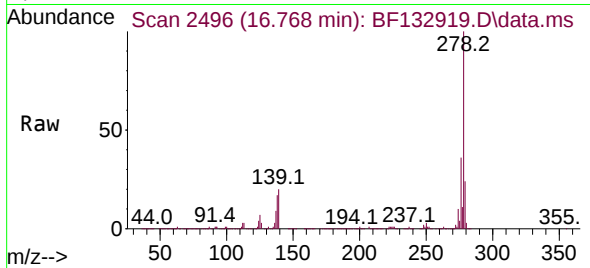
Tgt Ion:252 Resp: 1542954
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 13.2 9.9 14.9





#91
Dibenzo(a,h)anthracene
Concen: 54.689 ng
RT: 16.768 min Scan# 2496
Delta R.T. 0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06

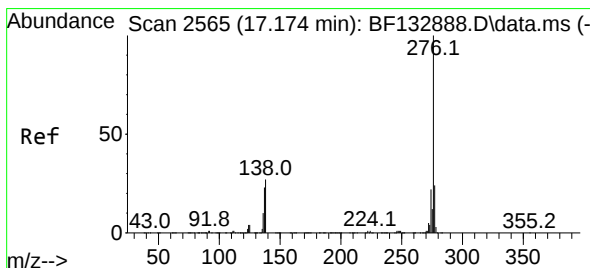
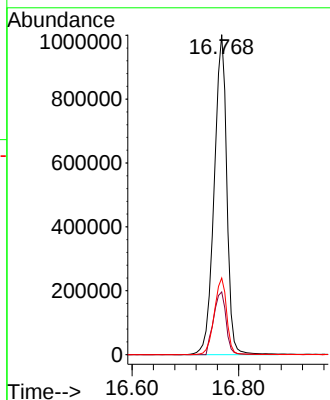
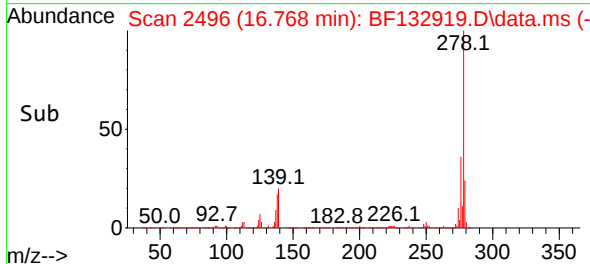
Instrument :
BNA_F
ClientSampleId :
SB-16-14-16-20230413MSD



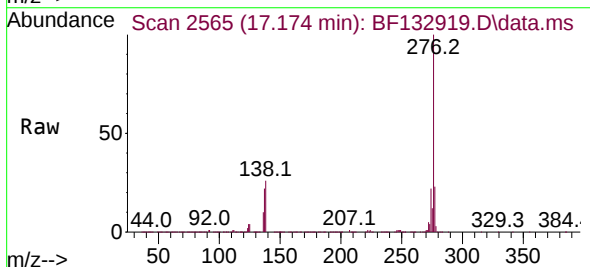
Tgt Ion:278 Resp: 1644626
Ion Ratio Lower Upper
278 100
139 19.6 16.7 25.1
279 23.9 18.4 27.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#92
Benzo(g,h,i)perylene
Concen: 54.668 ng
RT: 17.174 min Scan# 2565
Delta R.T. -0.000 min
Lab File: BF132919.D
Acq: 19 Apr 2023 19:06



Tgt Ion:276 Resp: 1574063
Ion Ratio Lower Upper
276 100
277 23.1 18.9 28.3
138 25.9 21.7 32.5

