

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051823\
 Data File : BF133443.D
 Acq On : 18 May 2023 17:40
 Operator : CG\JU
 Sample : 02828-04MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4MSD

Manual Integrations
 APPROVED

Reviewed By :Christian
 Giraldo
 05/19/2023
 Supervised By :Jagrut
 Upadhyay
 05/19/2023

Quant Time: May 19 03:20:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 18:12:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	178164	20.000	ng	0.00
21) Naphthalene-d8	7.998	136	728795	20.000	ng	0.00
39) Acenaphthene-d10	9.751	164	373887	20.000	ng	0.00
64) Phenanthrene-d10	11.233	188	677010	20.000	ng	0.00
76) Chrysene-d12	13.874	240	394604	20.000	ng	0.00
86) Perylene-d12	15.292	264	426321	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1322247	112.110	ng	0.00
7) Phenol-d6	6.363	99	1595279	108.974	ng	0.00
23) Nitrobenzene-d5	7.281	82	982561	72.772	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	413604	109.997	ng	0.00
45) 2-Fluorobiphenyl	9.075	172	1754763	78.519	ng	0.00
79) Terphenyl-d14	12.821	244	1969763	86.091	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.393	88	227575	41.600	ng	95
3) Pyridine	3.087	79	607729	41.826	ng	95
4) n-Nitrosodimethylamine	3.051	42	312745	41.556	ng	93
6) Aniline	6.375	93	639586	33.922	ng	# 30
8) 2-Chlorophenol	6.504	128	628339	52.471	ng	94
9) Benzaldehyde	6.257	77	388946	81.817	ng	98
10) Phenol	6.381	94	735711	45.556	ng	80
11) bis(2-Chloroethyl)ether	6.451	93	591096	48.775	ng	96
12) 1,3-Dichlorobenzene	6.651	146	674007	52.940	ng	98
13) 1,4-Dichlorobenzene	6.734	146	671988	52.665	ng	97
14) 1,2-Dichlorobenzene	6.881	146	645638	54.884	ng	98
15) Benzyl Alcohol	6.863	79	505009	49.941	ng	99
16) 2,2'-oxybis(1-Chloropr...	6.998	45	918856	43.654	ng	87
17) 2-Methylphenol	6.986	107	515914	47.050	ng	94
18) Hexachloroethane	7.222	117	237453	53.527	ng	95
19) n-Nitroso-di-n-propyla...	7.133	70	400880	43.987	ng	98
20) 3+4-Methylphenols	7.139	107	638868	49.474	ng	# 65
22) Acetophenone	7.128	105	851341	50.428	ng	# 92
24) Nitrobenzene	7.298	77	624467	45.642	ng	97
25) Isophorone	7.539	82	1161843	45.321	ng	98
26) 2-Nitrophenol	7.616	139	354040	53.649	ng	96
27) 2,4-Dimethylphenol	7.663	122	555692	49.108	ng	98
28) bis(2-Chloroethoxy)met...	7.751	93	712720	46.995	ng	98
29) 2,4-Dichlorophenol	7.863	162	518338	50.318	ng	100
30) 1,2,4-Trichlorobenzene	7.945	180	538483	50.457	ng	97
31) Naphthalene	8.022	128	1740632	47.770	ng	100
32) Benzoic acid	7.798	122	311320	44.540	ng	99
33) 4-Chloroaniline	8.075	127	277798	18.869	ng	99
34) Hexachlorobutadiene	8.139	225	291454	49.274	ng	97
35) Caprolactam	8.451	113	184249m	53.242	ng	
36) 4-Chloro-3-methylphenol	8.569	107	545624	49.117	ng	98
37) 2-Methylnaphthalene	8.710	142	1158313	46.497	ng	99
38) 1-Methylnaphthalene	8.810	142	1070752	45.947	ng	100
40) 1,2,4,5-Tetrachloroben...	8.880	216	489546	48.698	ng	99
41) Hexachlorocyclopentadiene	8.869	237	519858	88.670	ng	99
43) 2,4,6-Trichlorophenol	8.998	196	337017	48.476	ng	100

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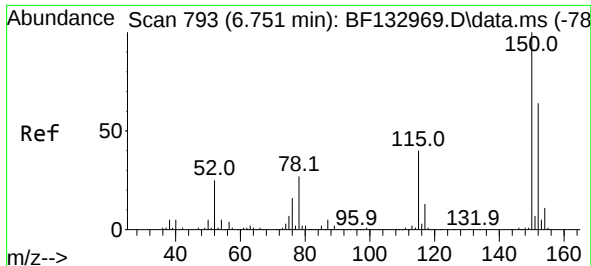
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.039	196	366799	45.620	ng	98
46) 1,1'-Biphenyl	9.175	154	1442878	48.668	ng	99
47) 2-Chloronaphthalene	9.198	162	1066963	49.169	ng	98
48) 2-Nitroaniline	9.298	65	335424	46.770	ng	94
49) Acenaphthylene	9.616	152	1644041	47.415	ng	99
50) Dimethylphthalate	9.480	163	1292046	49.560	ng	99
51) 2,6-Dinitrotoluene	9.545	165	297718	50.738	ng	# 82
52) Acenaphthene	9.786	154	1207075m	51.978	ng	
53) 3-Nitroaniline	9.710	138	183100	26.244	ng	97
54) 2,4-Dinitrophenol	9.827	184	310666	105.331	ng	89
55) Dibenzofuran	9.957	168	1467640	46.330	ng	97
56) 4-Nitrophenol	9.892	139	444773	82.308	ng	97
57) 2,4-Dinitrotoluene	9.951	165	373074	49.856	ng	93
58) Fluorene	10.304	166	1122034	48.346	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.080	232	293855	47.142	ng	100
60) Diethylphthalate	10.180	149	1207782	49.047	ng	99
61) 4-Chlorophenyl-phenyle...	10.292	204	545601	48.241	ng	98
62) 4-Nitroaniline	10.327	138	332086	51.788	ng	98
63) Azobenzene	10.451	77	1218782	46.721	ng	98
65) 4,6-Dinitro-2-methylph...	10.363	198	227651	55.477	ng	98
66) n-Nitrosodiphenylamine	10.416	169	1024445	46.649	ng	99
67) 4-Bromophenyl-phenylether	10.780	248	349148	47.551	ng	96
68) Hexachlorobenzene	10.851	284	371045	49.316	ng	99
69) Atrazine	10.945	200	359784	56.858	ng	99
70) Pentachlorophenol	11.051	266	365788	68.264	ng	98
71) Phenanthrene	11.263	178	1710394	47.005	ng	100
72) Anthracene	11.310	178	1763240	47.350	ng	100
73) Carbazole	11.469	167	1594493	48.088	ng	99
74) Di-n-butylphthalate	11.798	149	1941834	51.750	ng	100
75) Fluoranthene	12.445	202	1694184	46.392	ng	99
77) Benzidine	12.568	184	817808	122.555	ng	# 93
78) Pyrene	12.674	202	1723750	50.958	ng	98
80) Butylbenzylphthalate	13.298	149	729812	60.934	ng	98
81) Benzo(a)anthracene	13.862	228	1272845	46.907	ng	99
82) 3,3'-Dichlorobenzidine	13.827	252	213496	28.480	ng	98
83) Chrysene	13.898	228	1270532	46.833	ng	99
84) Bis(2-ethylhexyl)phtha...	13.857	149	880419	58.564	ng	99
85) Di-n-octyl phthalate	14.468	149	1460525	59.582	ng	96
87) Indeno(1,2,3-cd)pyrene	16.680	276	1587181	65.451	ng	99
88) Benzo(b)fluoranthene	14.886	252	1285338	47.391	ng	98
89) Benzo(k)fluoranthene	14.915	252	1149579	42.758	ng	98
90) Benzo(a)pyrene	15.233	252	1130879	45.809	ng	99
91) Dibenzo(a,h)anthracene	16.692	278	1300597	64.304	ng	98
92) Benzo(g,h,i)perylene	17.098	276	1329118	66.563	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



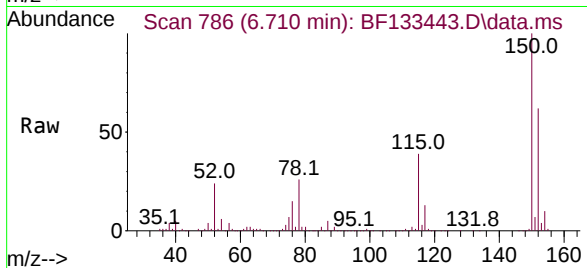
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

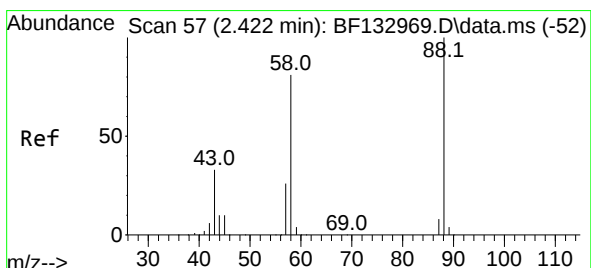
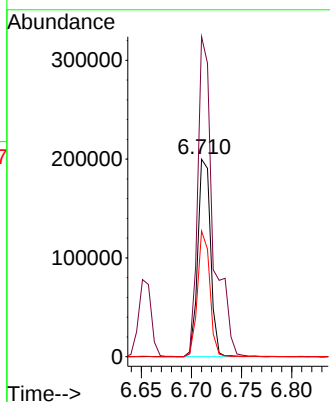
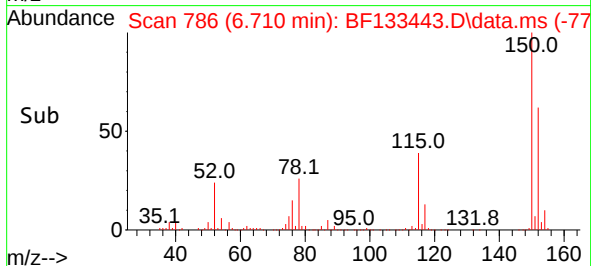


Tgt Ion:152 Resp: 178164
Ion Ratio Lower Upper
152 100
150 162.0 124.8 187.2
115 63.7 49.9 74.9

Manual Integrations
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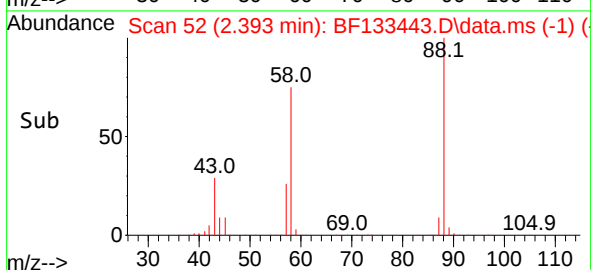
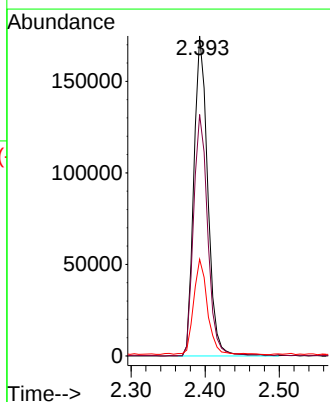
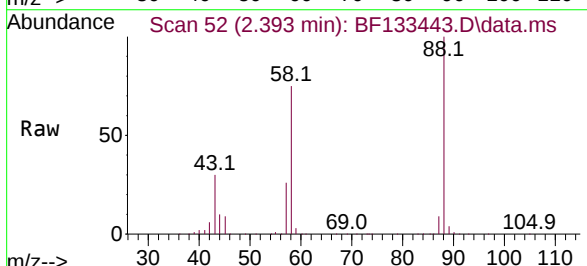
Reviewed By :Christian
Giraldo
05/19/2023

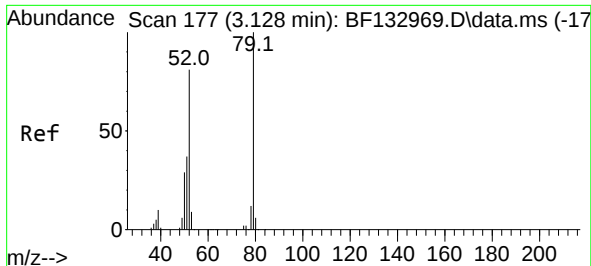
Supervised By :Jagrut
Upadhyay
05/19/2023



#2
1,4-Dioxane
Concen: 41.600 ng
RT: 2.393 min Scan# 52
Delta R.T. 0.041 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

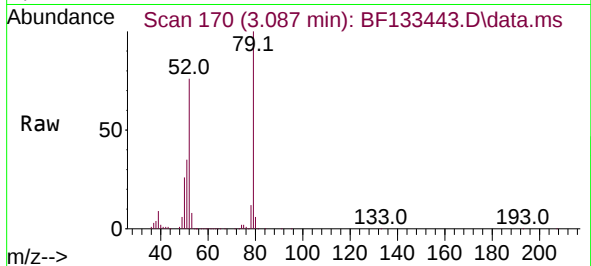
Tgt Ion: 88 Resp: 227575
Ion Ratio Lower Upper
88 100
58 77.0 64.7 97.1
43 29.0 26.2 39.2





#3
Pyridine
Concen: 41.826 ng
RT: 3.087 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

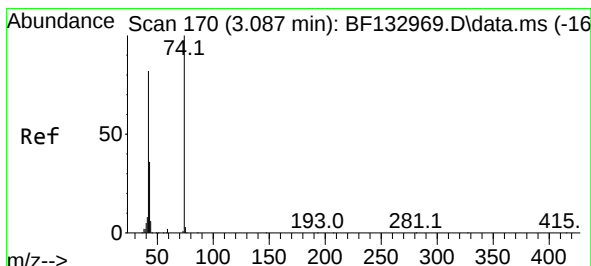
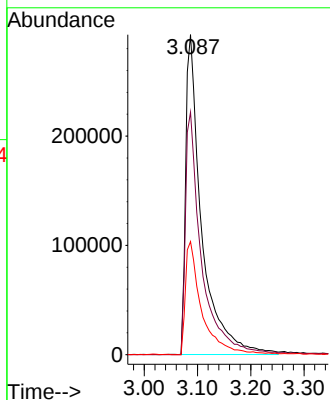
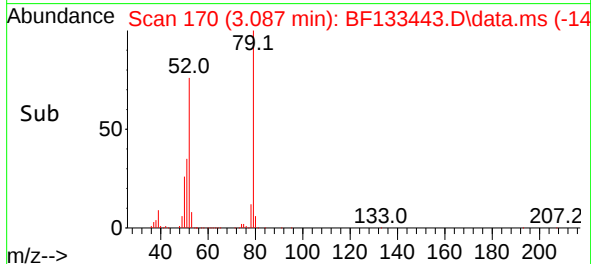
Instrument :
BNA_F
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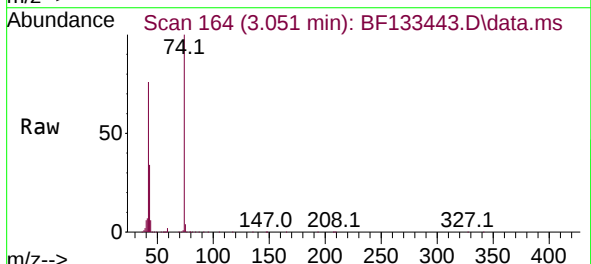
Tgt Ion: 79 Resp: 607729
Ion Ratio Lower Upper
79 100
52 75.8 64.6 96.8
51 35.3 30.0 45.0

Manual Integrations
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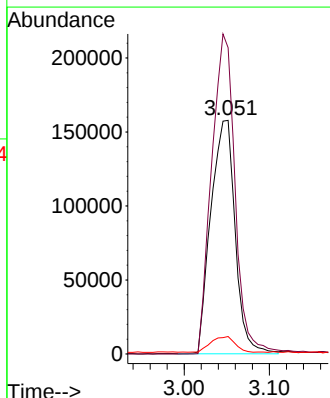
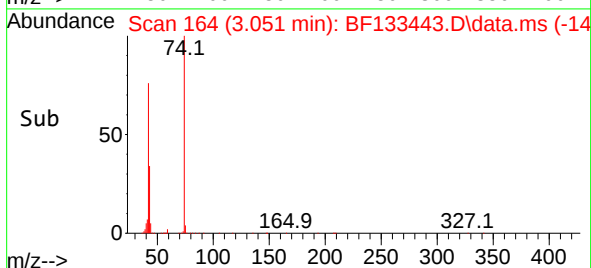
Reviewed By :Christian
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05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023

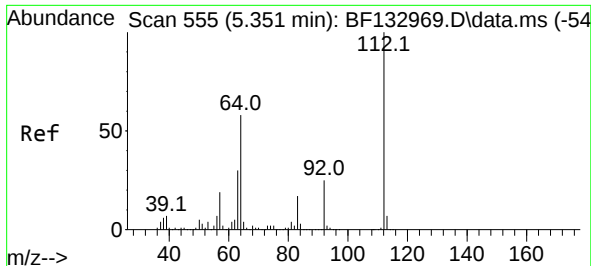


#4
n-Nitrosodimethylamine
Concen: 41.556 ng
RT: 3.051 min Scan# 164
Delta R.T. 0.041 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40



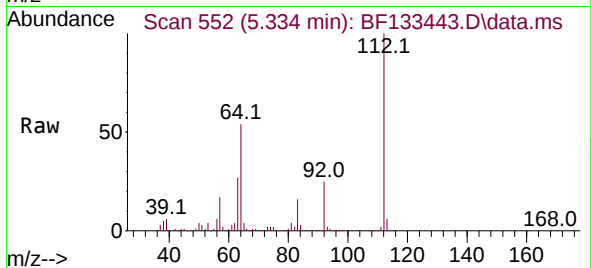
Tgt Ion: 42 Resp: 312745
Ion Ratio Lower Upper
42 100
74 131.0 98.0 147.0
44 7.5 5.8 8.8





#5
2-Fluorophenol
Concen: 112.110 ng
RT: 5.334 min Scan# 511
Delta R.T. 0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

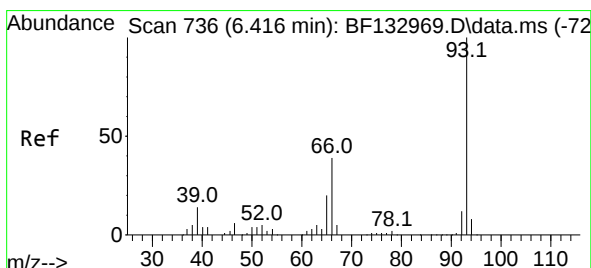
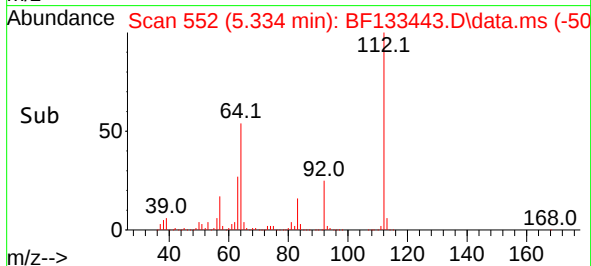
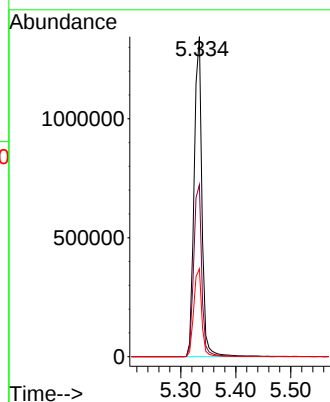
Instrument :
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ClientSampleId :
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Tgt Ion:112 Resp: 132224
Ion Ratio Lower Upper
112 100
64 53.7 46.8 70.2
63 27.4 23.8 35.8

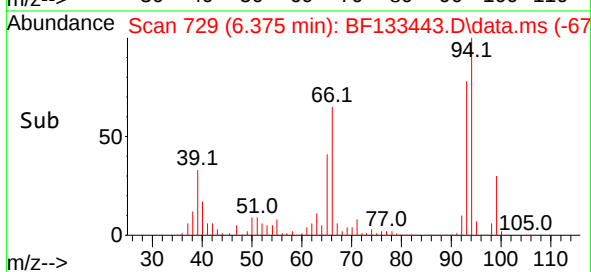
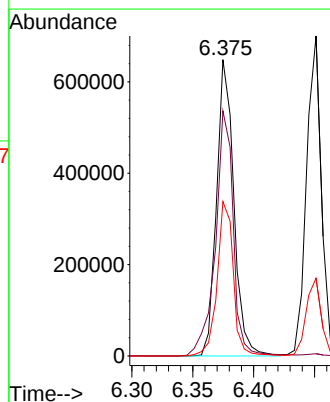
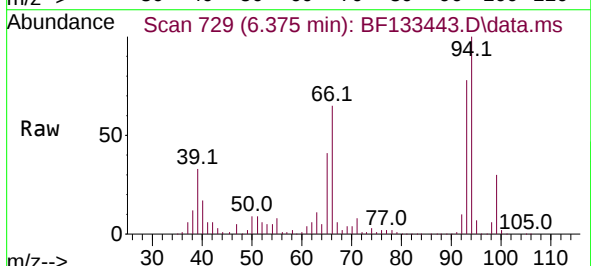
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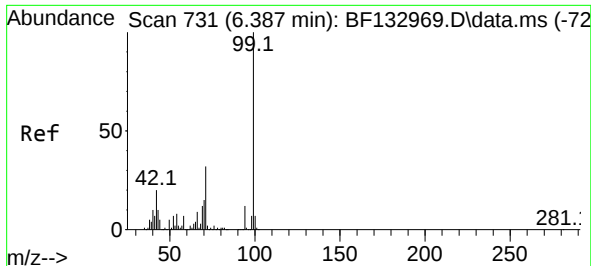
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#6
Aniline
Concen: 33.922 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

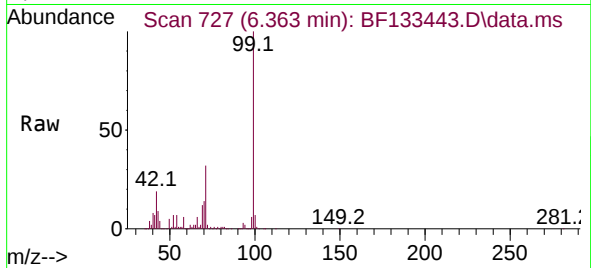
Tgt Ion: 93 Resp: 639586
Ion Ratio Lower Upper
93 100
66 82.7 31.5 47.3#
65 52.1 16.4 24.6#





#7
Phenol-d6
Concen: 108.974 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

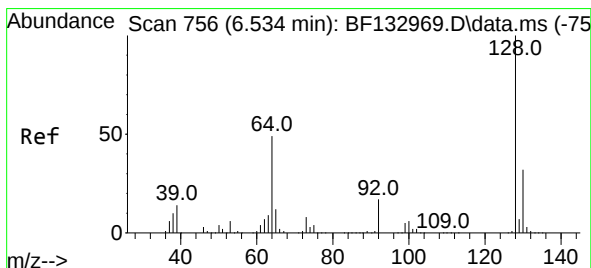
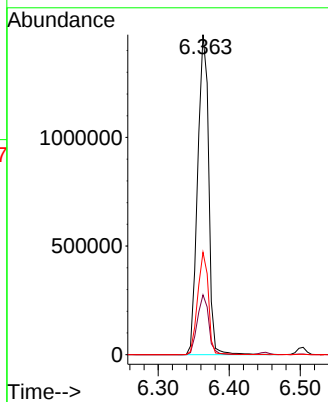
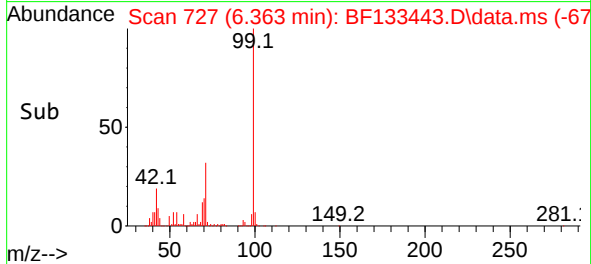
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Tgt Ion: 99 Resp: 1595279
Ion Ratio Lower Upper
99 100
42 18.7 16.3 24.5
71 32.0 25.6 38.4

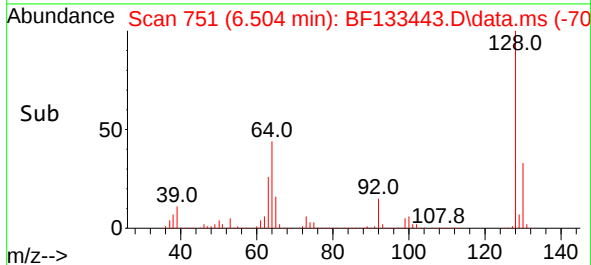
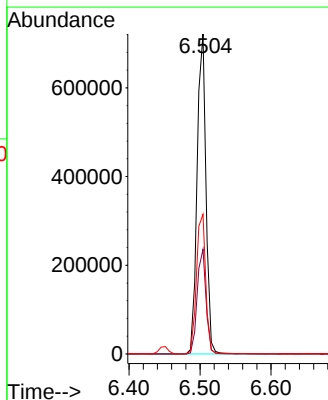
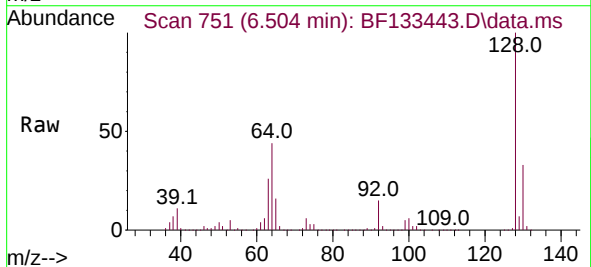
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#8
2-Chlorophenol
Concen: 52.471 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

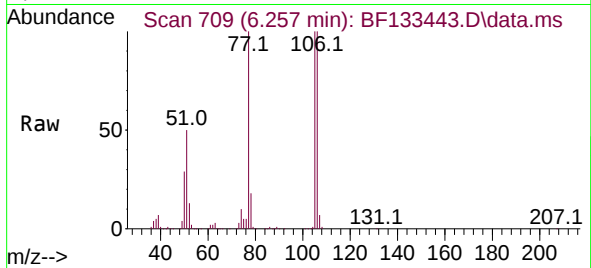
Tgt Ion:128 Resp: 628339
Ion Ratio Lower Upper
128 100
130 32.7 12.2 52.2
64 43.7 30.3 70.3





#9
Benzaldehyde
Concen: 81.817 ng
RT: 6.257 min Scan# 709
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

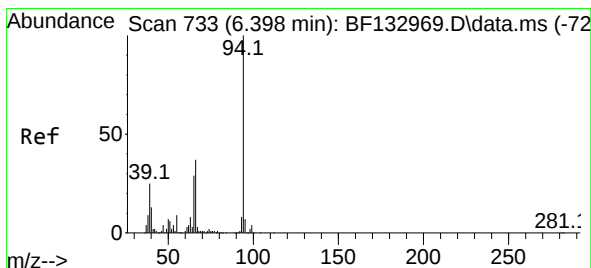
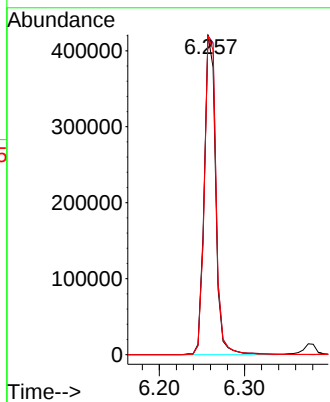
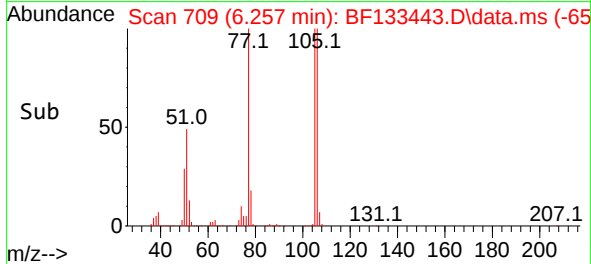
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



Tgt Ion: 77 Resp: 388940
Ion Ratio Lower Upper
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105 99.7 82.3 122.3
106 99.6 80.8 120.8

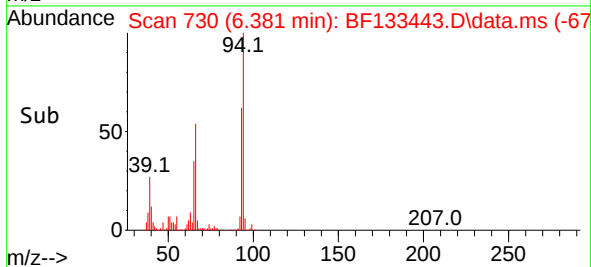
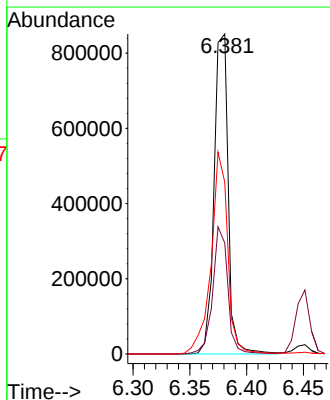
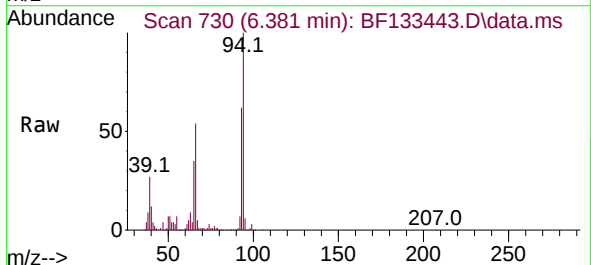
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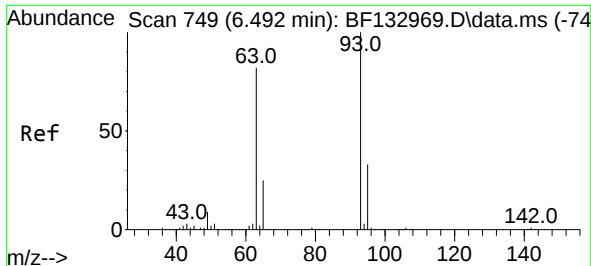
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#10
Phenol
Concen: 45.556 ng
RT: 6.381 min Scan# 730
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Tgt Ion: 94 Resp: 735711
Ion Ratio Lower Upper
94 100
65 34.7 8.6 48.6
66 53.7 17.3 57.3





#11

bis(2-Chloroethyl)ether

Concen: 48.775 ng

RT: 6.451 min Scan# 749

Delta R.T. -0.006 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

Tgt Ion: 93 Resp: 591090

Ion Ratio Lower Upper

93 100

63 76.5 60.6 100.6

95 32.0 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Christian

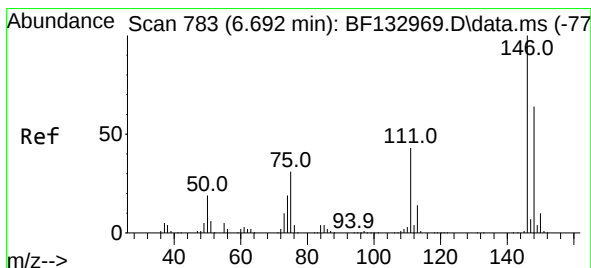
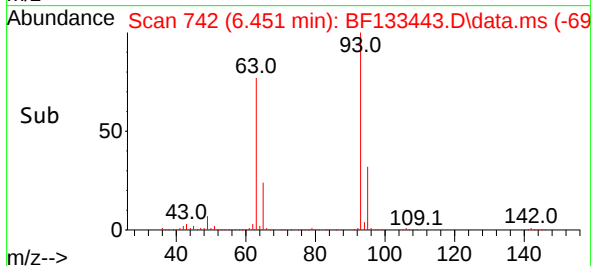
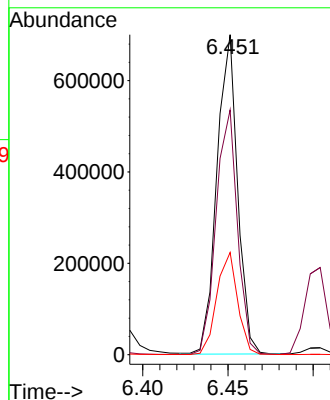
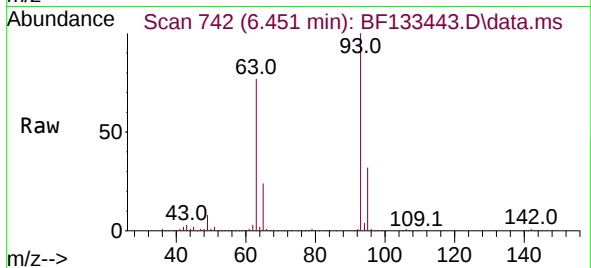
Giraldo

05/19/2023

Supervised By :Jagrut

Upadhyay

05/19/2023



#12

1,3-Dichlorobenzene

Concen: 52.940 ng

RT: 6.651 min Scan# 776

Delta R.T. -0.006 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

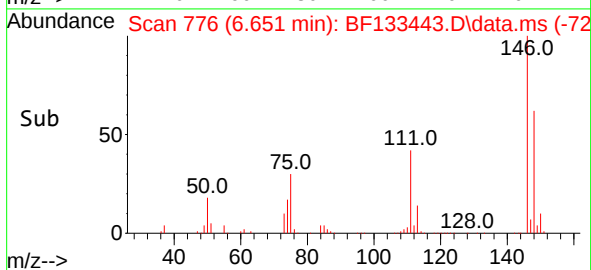
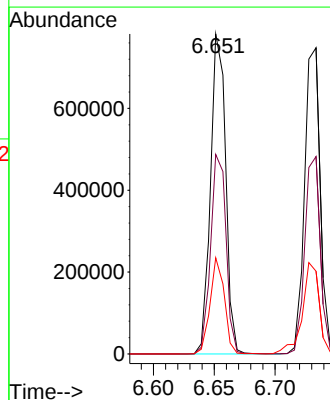
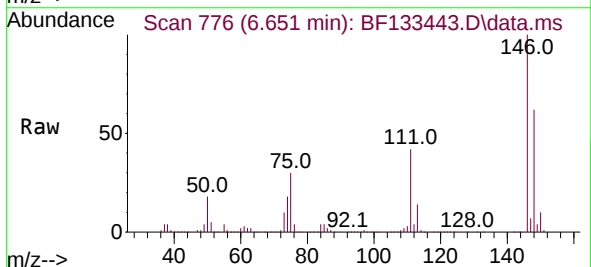
Tgt Ion:146 Resp: 674007

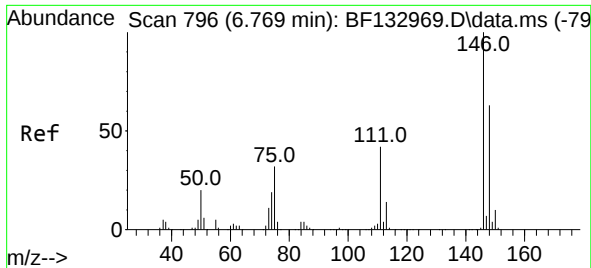
Ion Ratio Lower Upper

146 100

148 62.3 51.0 76.4

75 30.0 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 52.665 ng

RT: 6.734 min Scan# 79

Delta R.T. -0.000 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

Tgt Ion:146 Resp: 67198

Ion Ratio Lower Upper

146 100

148 64.5 50.3 75.5

111 40.0 33.8 50.6

Manual Integrations

APPROVED

Reviewed By :Christian

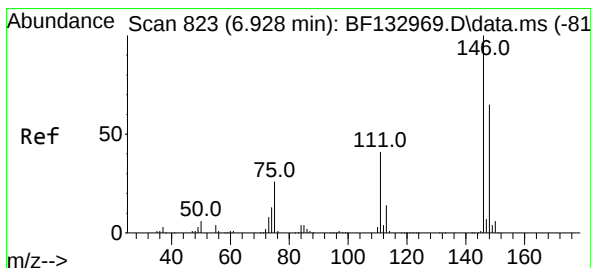
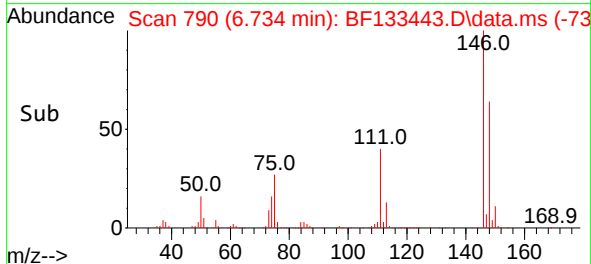
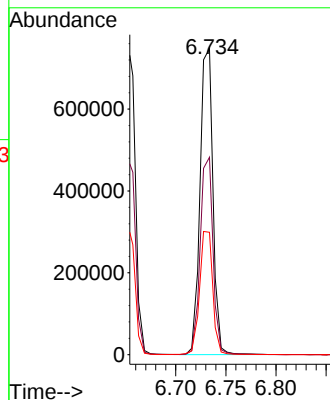
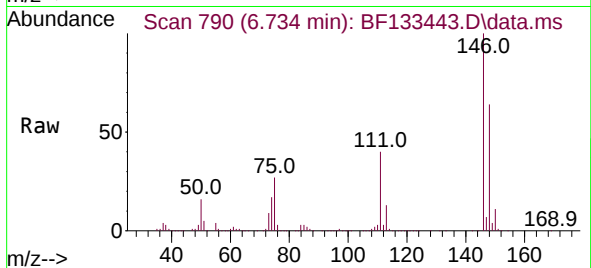
Giraldo

05/19/2023

Supervised By :Jagrut

Upadhyay

05/19/2023



#14

1,2-Dichlorobenzene

Concen: 54.884 ng

RT: 6.881 min Scan# 815

Delta R.T. -0.006 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

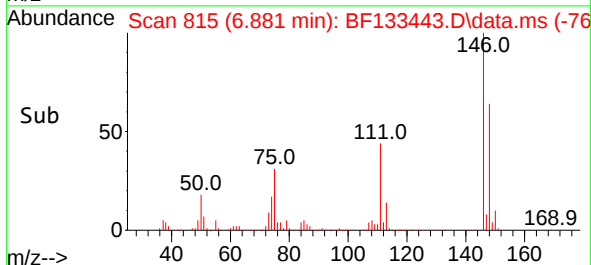
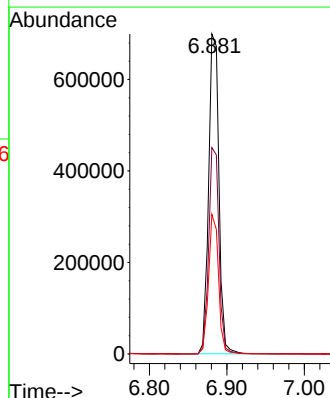
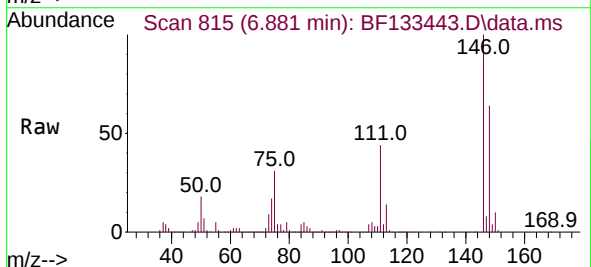
Tgt Ion:146 Resp: 645638

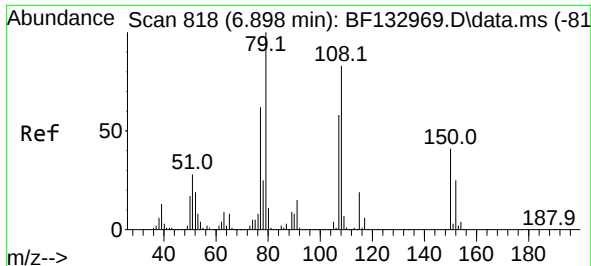
Ion Ratio Lower Upper

146 100

148 64.5 52.2 78.2

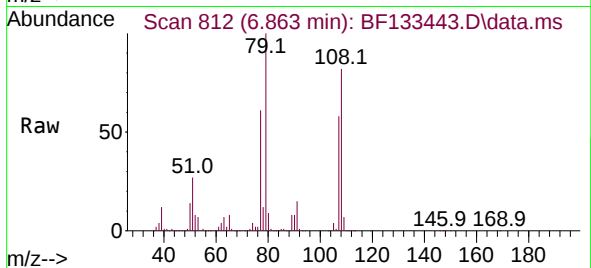
111 43.6 32.8 49.2





#15
Benzyl Alcohol
Concen: 49.941 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

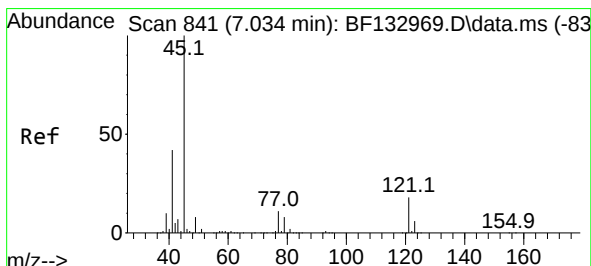
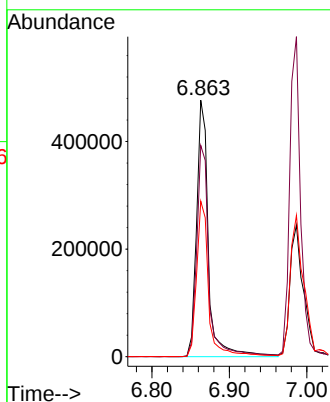
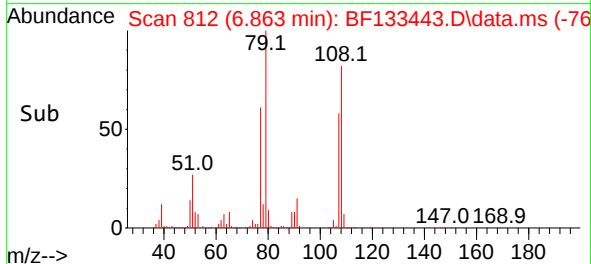
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



Tgt Ion: 79 Resp: 505009
Ion Ratio Lower Upper
79 100
108 82.3 66.6 99.8
77 60.6 49.2 73.8

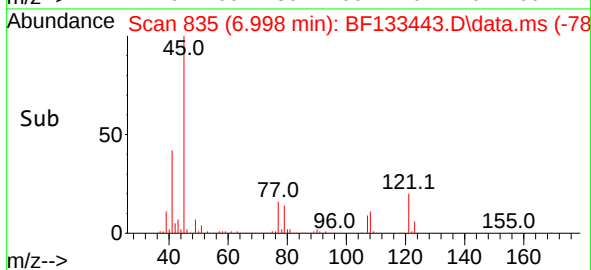
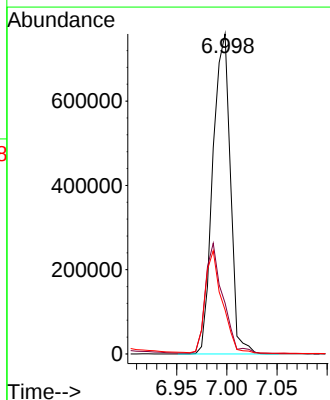
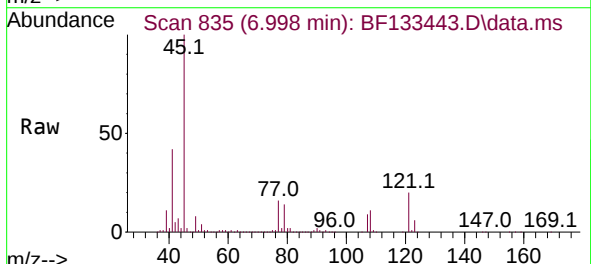
Manual Integrations
APPROVED

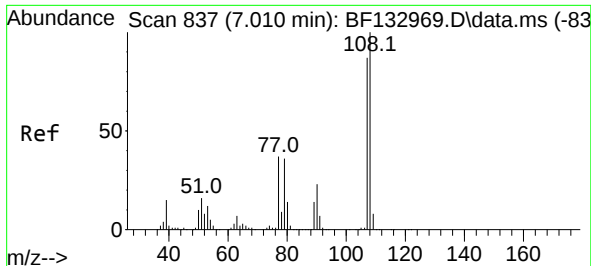
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.654 ng
RT: 6.998 min Scan# 835
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Tgt Ion: 45 Resp: 918856
Ion Ratio Lower Upper
45 100
77 15.9 0.0 31.5
79 13.8 0.0 28.7





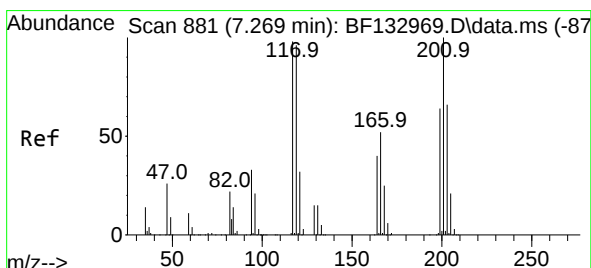
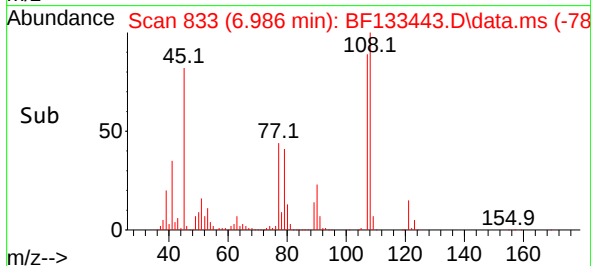
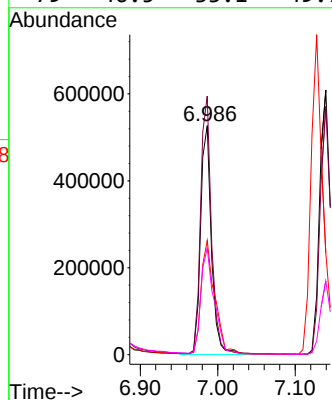
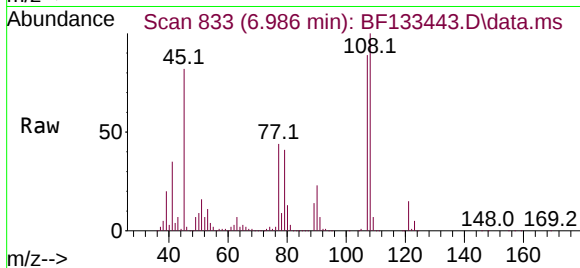
#17
2-Methylphenol
Concen: 47.050 ng
RT: 6.986 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Instrument :
BNA_F
ClientSampleId :
SB-4MSD

Tgt Ion:	107	Resp:	515914
Ion Ratio	Lower	Upper	
107	100		
108	112.9	92.4	138.6
77	49.8	33.8	50.8
79	46.5	33.1	49.7

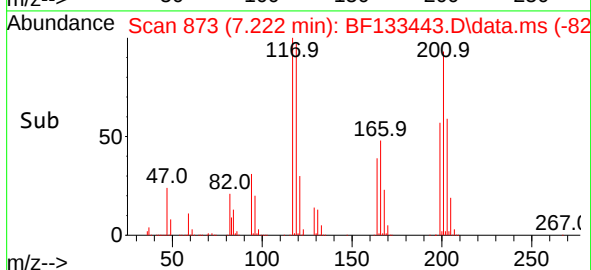
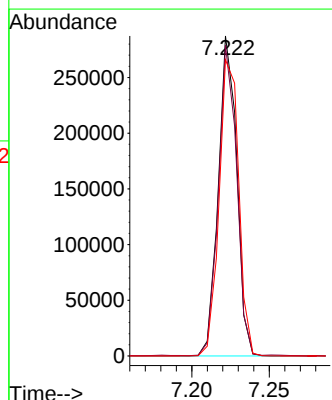
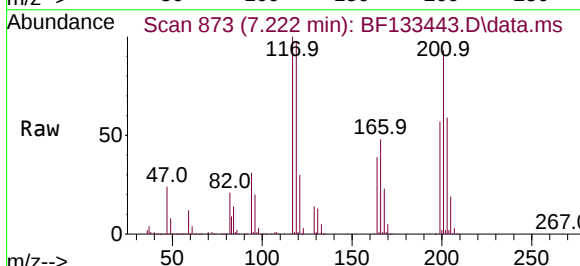
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#18
Hexachloroethane
Concen: 53.527 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Tgt Ion:	117	Resp:	237453
Ion Ratio	Lower	Upper	
117	100		
119	97.0	78.2	117.4
201	92.5	81.7	122.5





#19

n-Nitroso-di-n-propylamine

Concen: 43.987 ng

RT: 7.133 min Scan# 858

Delta R.T. -0.006 min

Lab File: BF133443.D

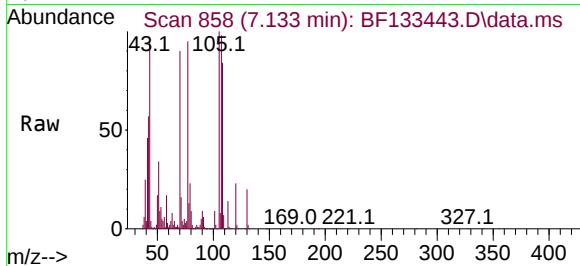
Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD



Tgt Ion: 70 Resp: 400880

Ion Ratio Lower Upper

70 100

42 63.2 51.8 77.6

101 10.4 8.0 12.0

130 22.6 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Christian

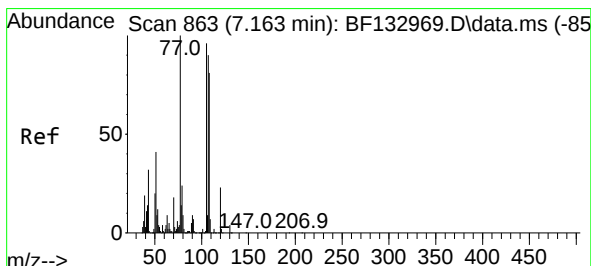
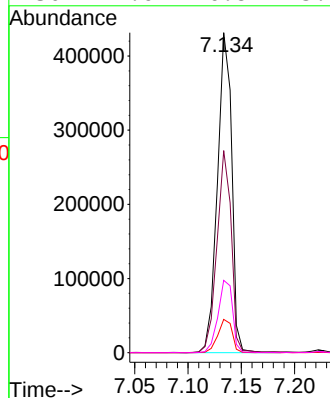
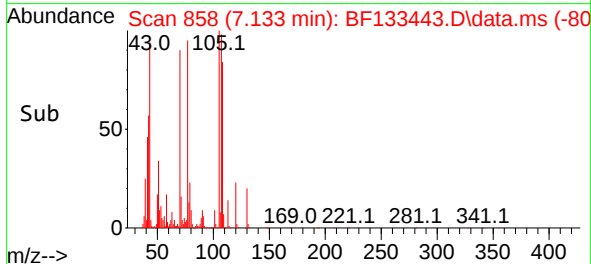
Giraldo

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Supervised By :Jagrut

Upadhyay

05/19/2023



#20

3+4-Methylphenols

Concen: 49.474 ng

RT: 7.139 min Scan# 859

Delta R.T. -0.000 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

Tgt Ion:107 Resp: 638868

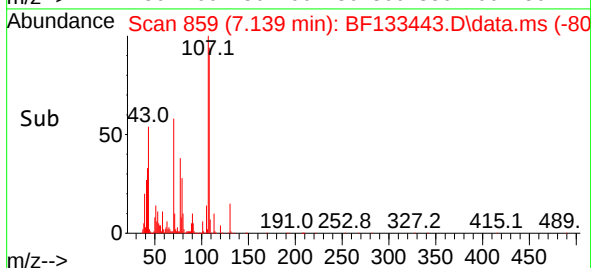
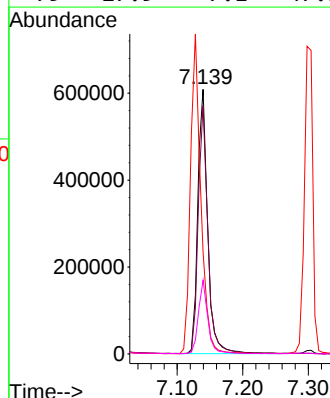
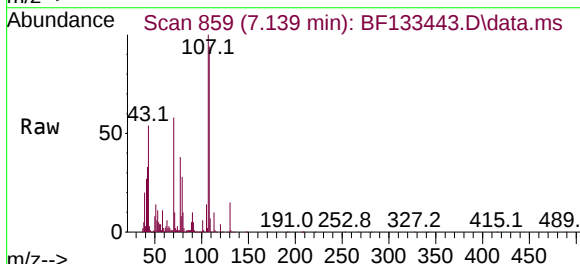
Ion Ratio Lower Upper

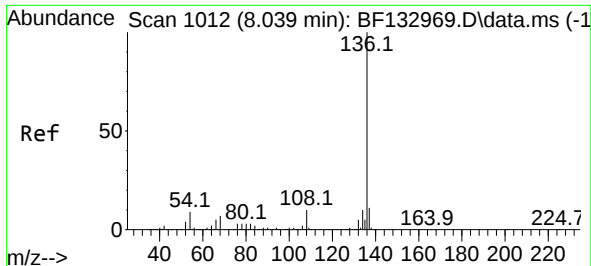
107 100

108 93.8 70.5 110.5

77 38.5 91.7 131.7#

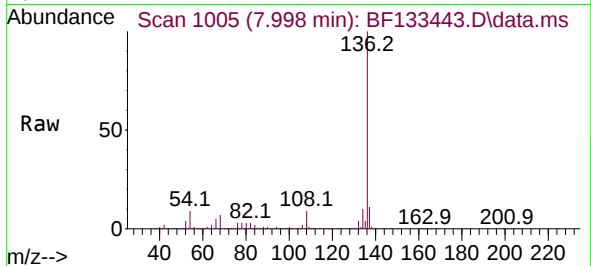
79 27.9 7.1 47.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

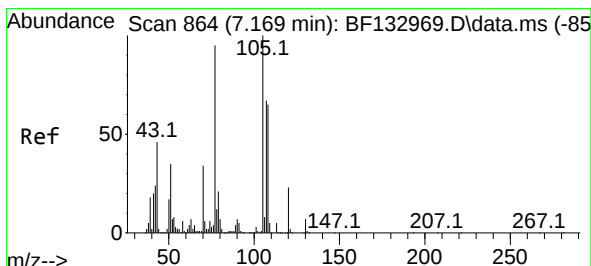
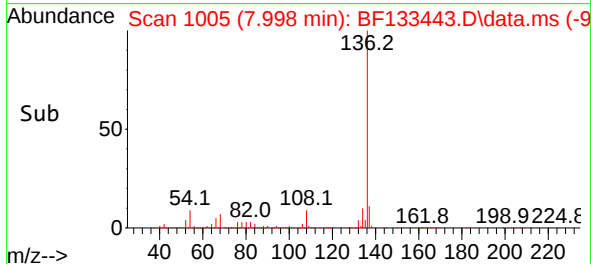
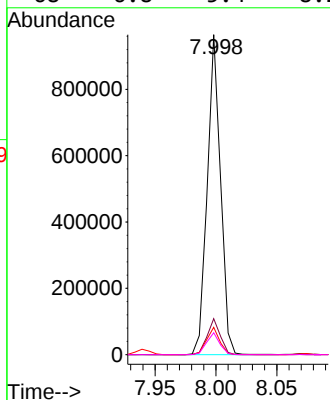
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



Tgt Ion:136 Resp: 728795
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.6 7.0 10.4
68 6.8 5.4 8.2

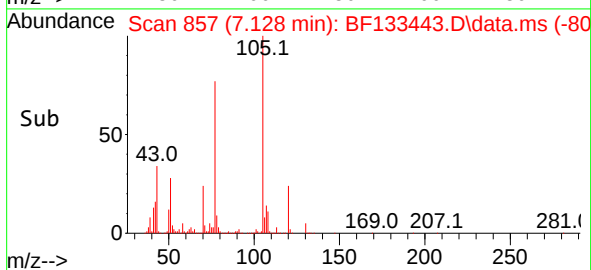
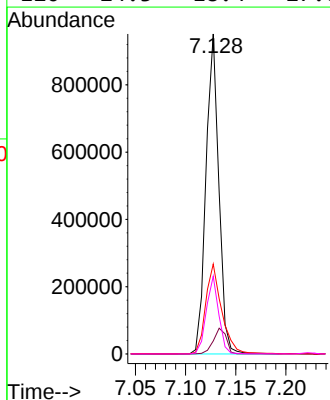
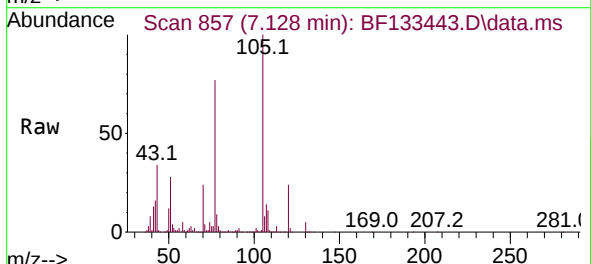
Manual Integrations
APPROVED

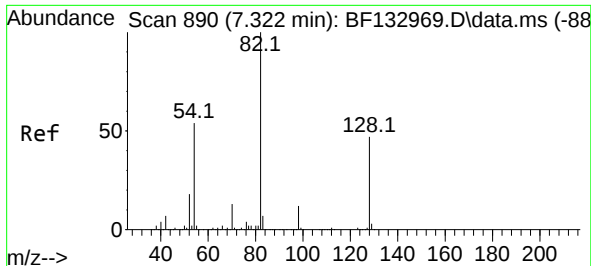
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#22
Acetophenone
Concen: 50.428 ng
RT: 7.128 min Scan# 857
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Tgt Ion:105 Resp: 851341
Ion Ratio Lower Upper
105 100
71 4.0 4.6 7.0#
51 28.1 28.2 42.2#
120 24.3 18.4 27.6





#23

Nitrobenzene-d5

Concen: 72.772 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

Tgt Ion: 82 Resp: 98256

Ion Ratio Lower Upper

82 100

128 47.6 37.7 56.5

54 52.1 43.0 64.4

Manual Integrations

APPROVED

Reviewed By :Christian

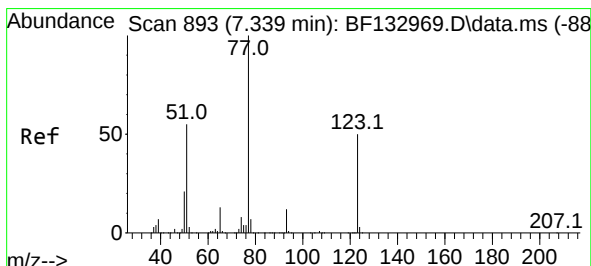
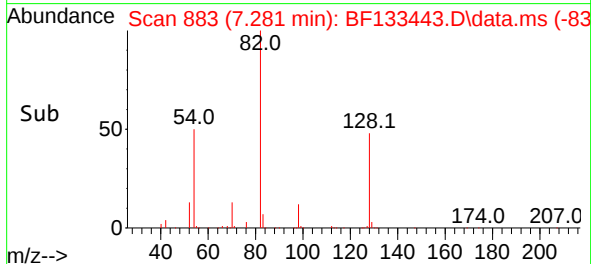
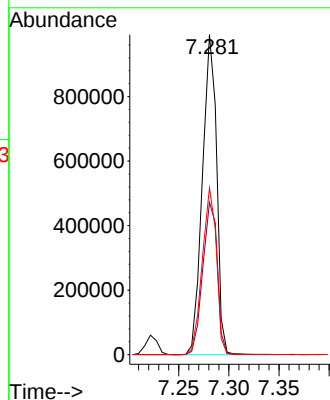
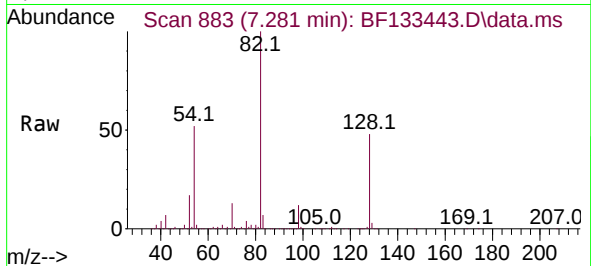
Giraldo

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Supervised By :Jagrut

Upadhyay

05/19/2023



#24

Nitrobenzene

Concen: 45.642 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.006 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

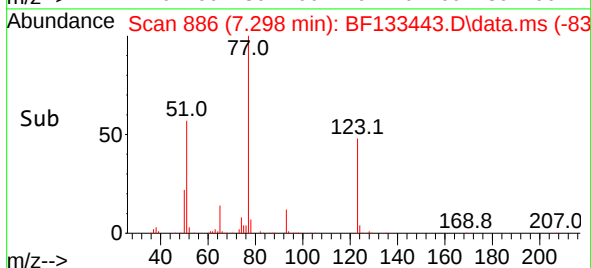
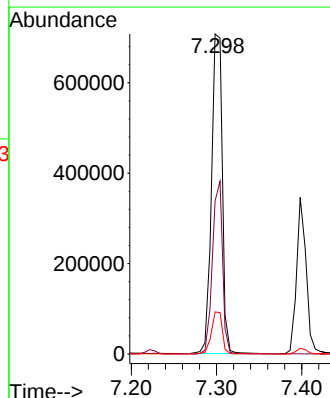
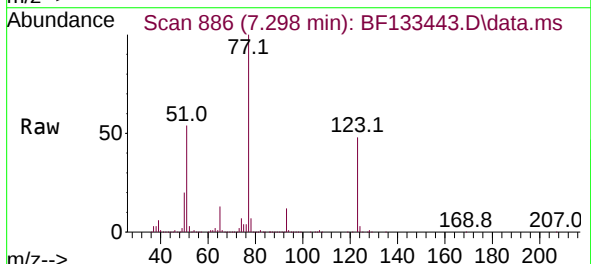
Tgt Ion: 77 Resp: 624467

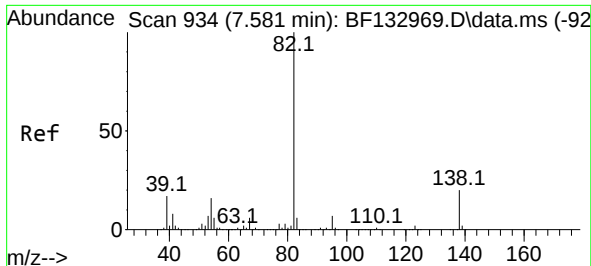
Ion Ratio Lower Upper

77 100

123 47.8 39.9 59.9

65 13.2 10.7 16.1





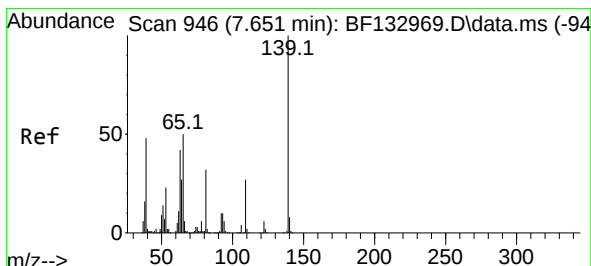
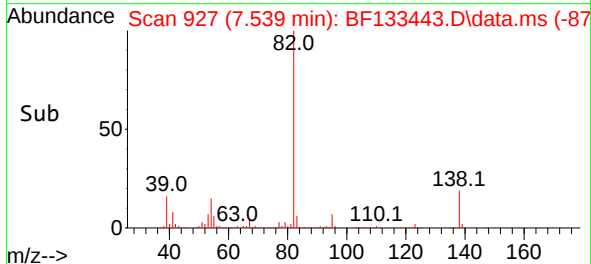
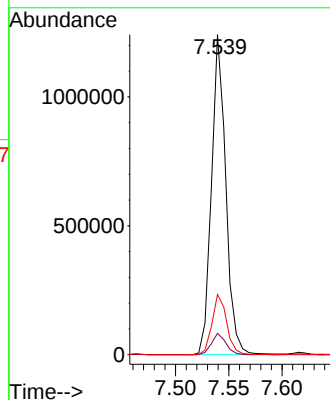
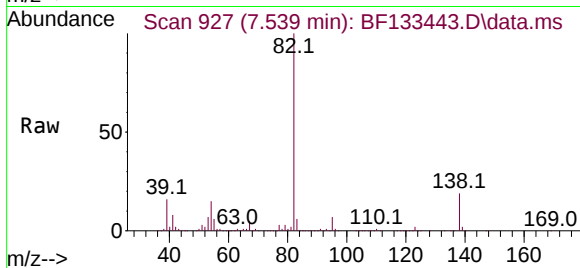
#25
Isophorone
Concen: 45.321 ng
RT: 7.539 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Instrument :
BNA_F
ClientSampleId :
SB-4MSD

Tgt Ion: 82 Resp: 116184
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 18.8 16.0 24.0

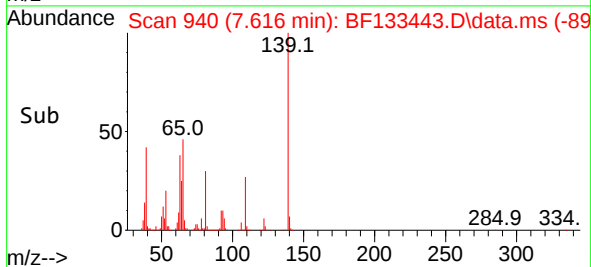
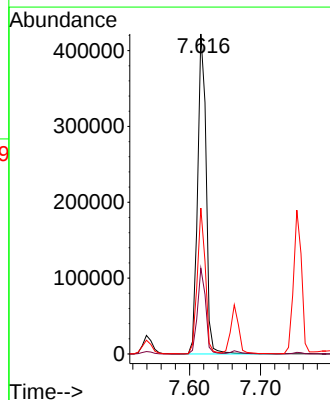
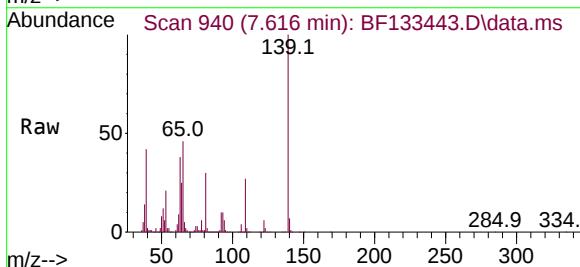
Manual Integrations
APPROVED

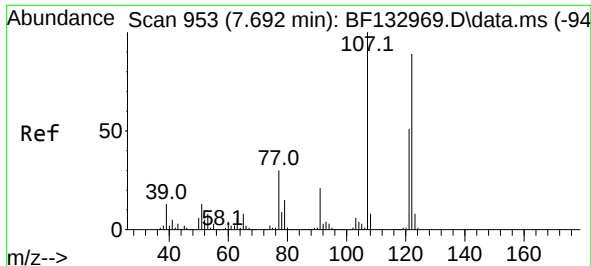
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#26
2-Nitrophenol
Concen: 53.649 ng
RT: 7.616 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Tgt Ion:139 Resp: 354040
Ion Ratio Lower Upper
139 100
109 26.8 21.6 32.4
65 45.6 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 49.108 ng

RT: 7.663 min Scan# 94

Delta R.T. -0.006 min

Lab File: BF133443.D

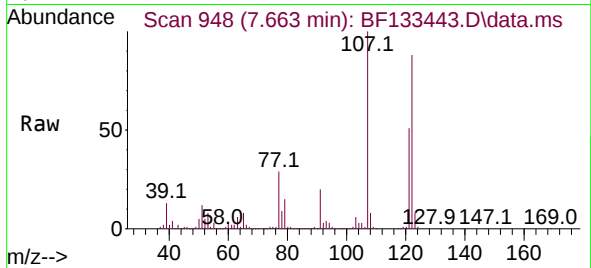
Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD



Tgt Ion:	122	Resp:	55569
Ion	Ratio	Lower	Upper
122	100		
107	114.3	89.7	134.5
121	58.5	46.0	69.0

Manual Integrations

APPROVED

Reviewed By :Christian

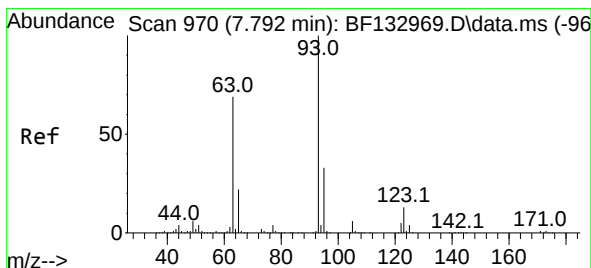
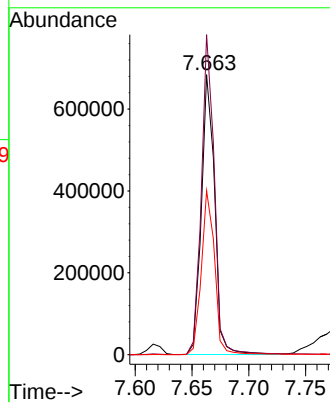
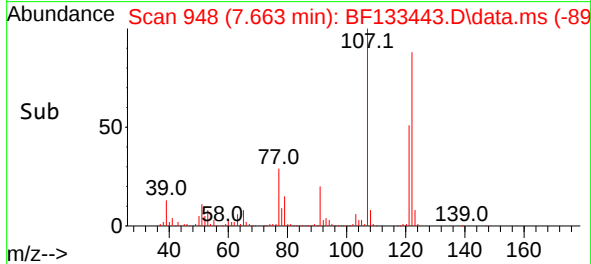
Giraldo

05/19/2023

Supervised By :Jagrut

Upadhyay

05/19/2023



#28

bis(2-Chloroethoxy)methane

Concen: 46.995 ng

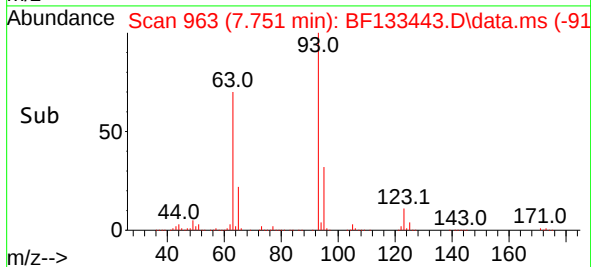
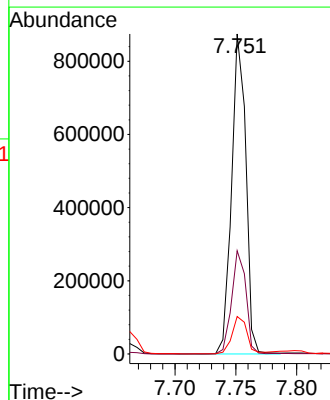
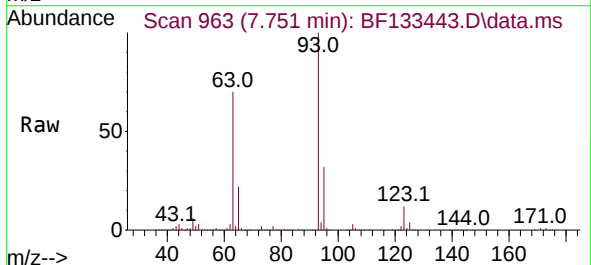
RT: 7.751 min Scan# 963

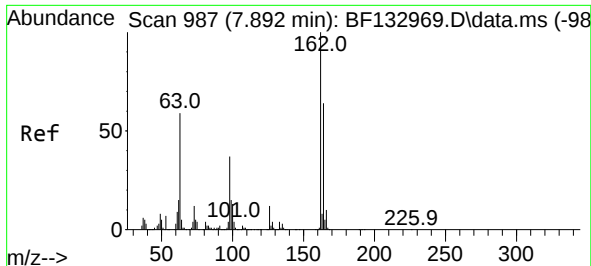
Delta R.T. -0.006 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

Tgt Ion:	93	Resp:	712720
Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.4	39.6
123	11.7	10.3	15.5





#29

2,4-Dichlorophenol

Concen: 50.318 ng

RT: 7.863 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

Tgt Ion:162 Resp: 518338

Ion Ratio Lower Upper

162 100

164 63.8 43.9 83.9

98 37.3 17.0 57.0

Manual Integrations

APPROVED

Reviewed By :Christian

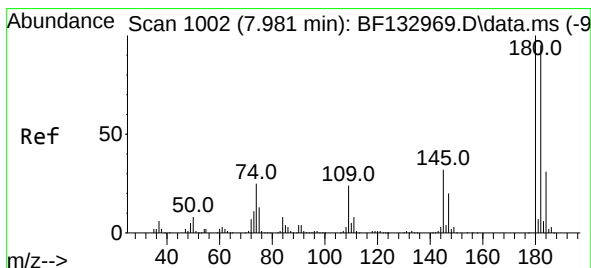
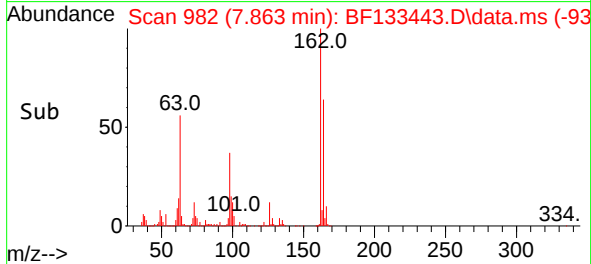
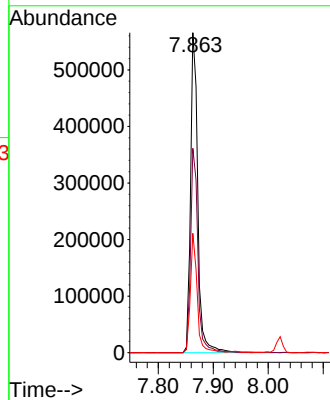
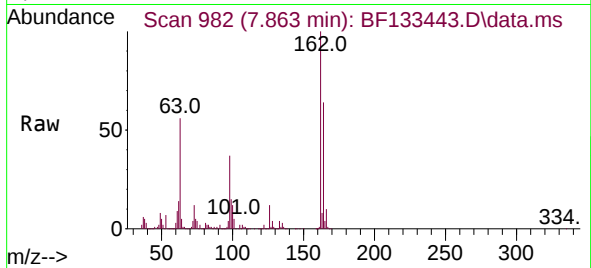
Giraldo

05/19/2023

Supervised By :Jagrut

Upadhyay

05/19/2023



#30

1,2,4-Trichlorobenzene

Concen: 50.457 ng

RT: 7.945 min Scan# 996

Delta R.T. -0.000 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

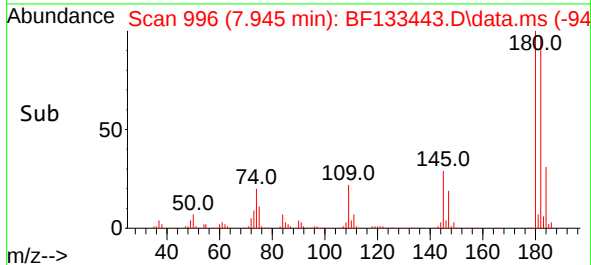
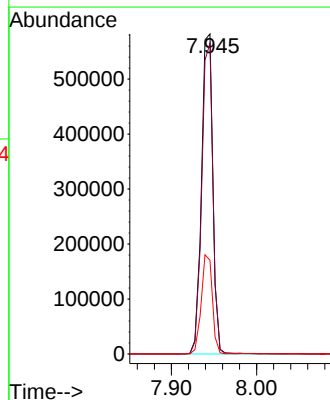
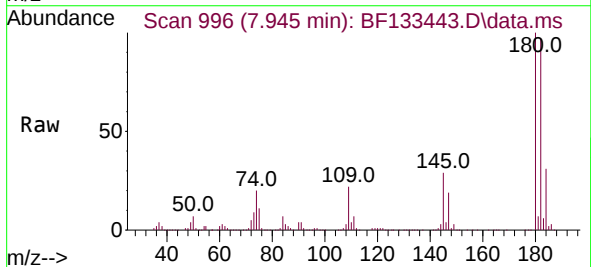
Tgt Ion:180 Resp: 538483

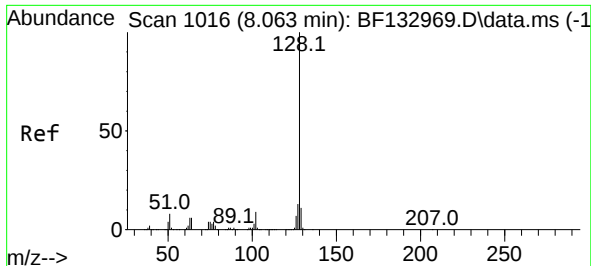
Ion Ratio Lower Upper

180 100

182 97.0 75.9 113.9

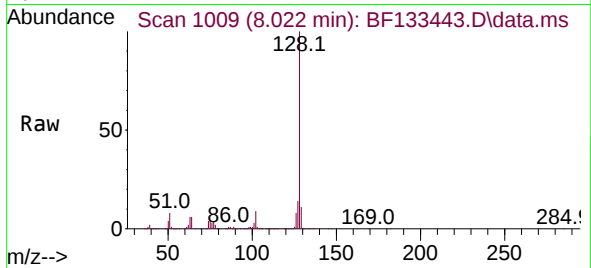
145 29.3 25.3 37.9





#31
Naphthalene
Concen: 47.770 ng
RT: 8.022 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

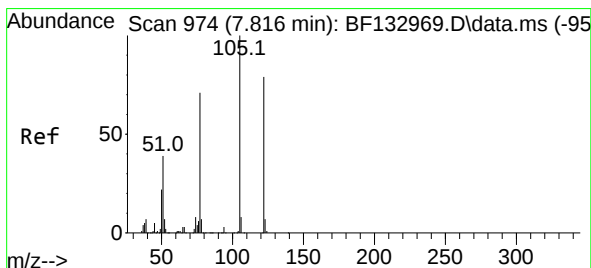
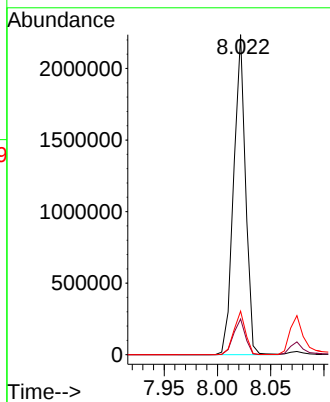
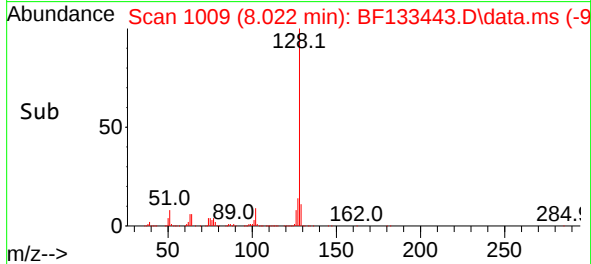
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



Tgt Ion:128 Resp: 1740632
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.6 10.7 16.1

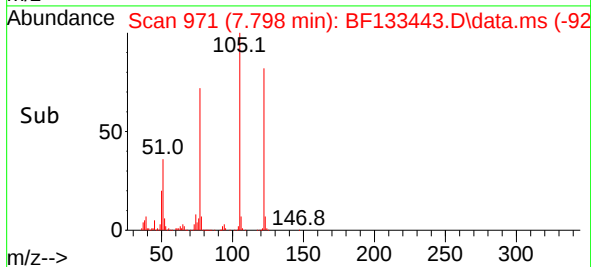
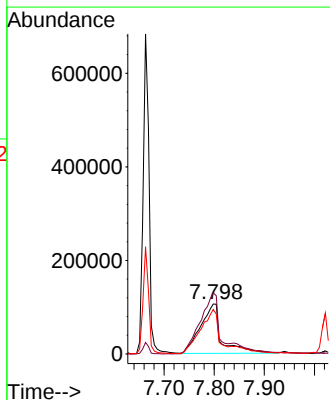
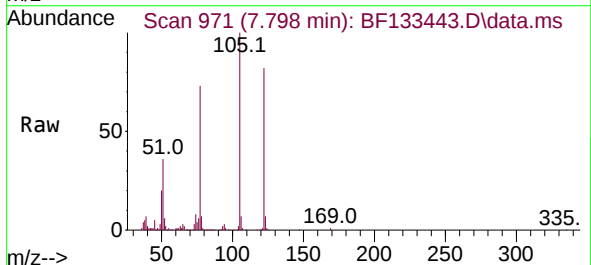
Manual Integrations
APPROVED

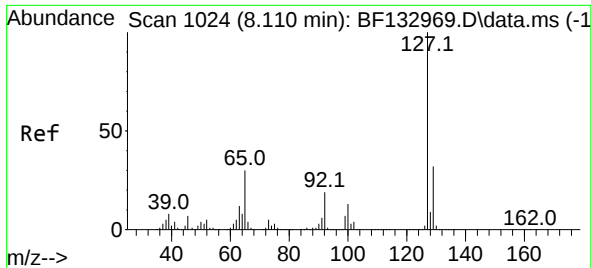
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#32
Benzoic acid
Concen: 44.540 ng
RT: 7.798 min Scan# 971
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Tgt Ion:122 Resp: 311320
Ion Ratio Lower Upper
122 100
105 122.4 104.2 144.2
77 89.1 69.7 109.7





#33
4-Chloroaniline
Concen: 18.869 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

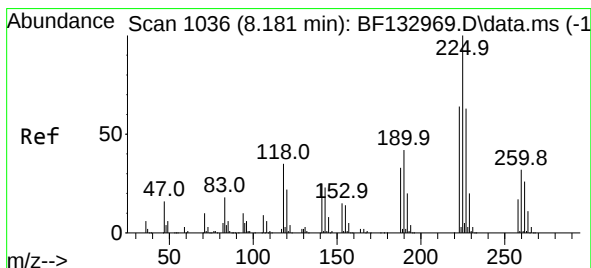
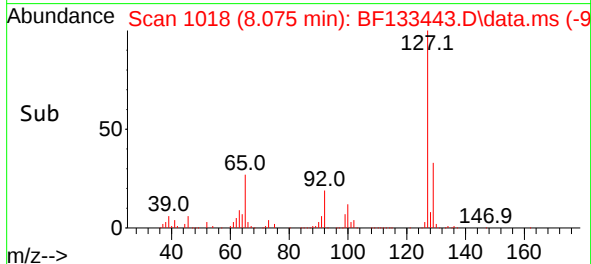
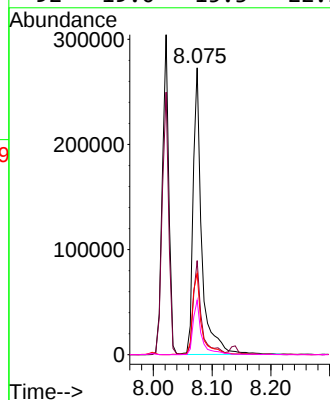
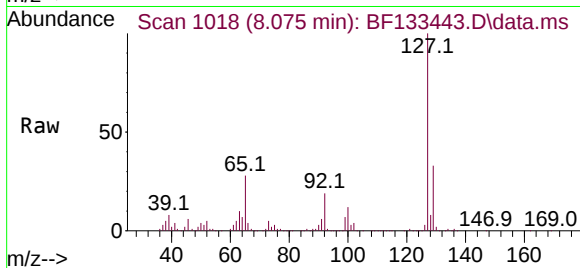
SB-4MSD

Tgt Ion:127 Resp: 277798
Ion Ratio Lower Upper
127 100
129 32.8 25.8 38.8
65 28.3 23.6 35.4
92 19.0 15.3 22.9

Manual Integrations
APPROVED

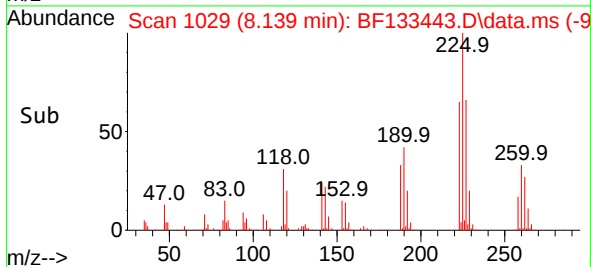
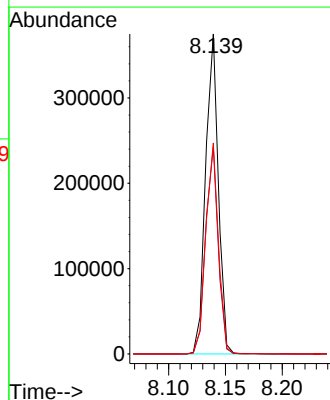
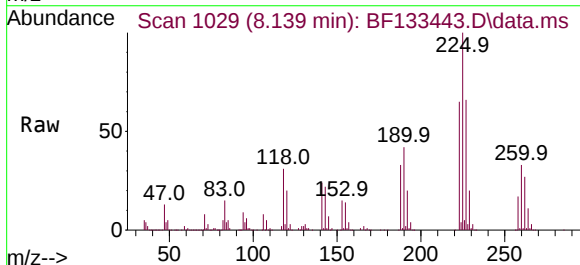
Reviewed By :Christian
Giraldo
05/19/2023

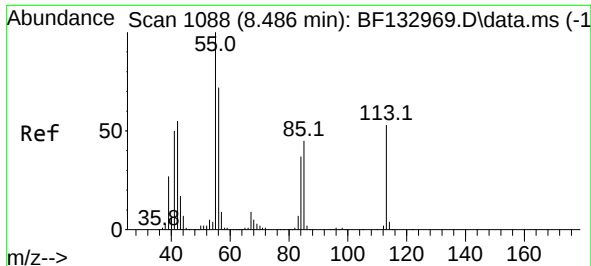
Supervised By :Jagrut
Upadhyay
05/19/2023



#34
Hexachlorobutadiene
Concen: 49.274 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

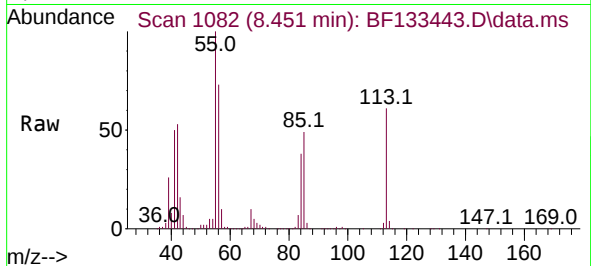
Tgt Ion:225 Resp: 291454
Ion Ratio Lower Upper
225 100
223 64.8 50.9 76.3
227 66.0 50.3 75.5





#35
Caprolactam
Concen: 53.242 ng m
RT: 8.451 min Scan# 1082
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

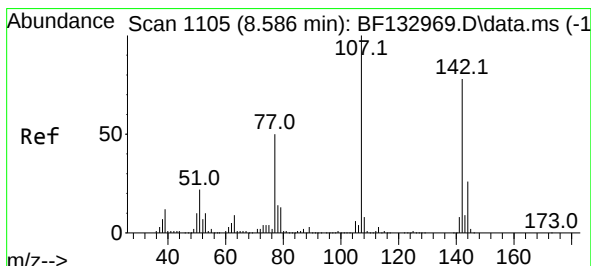
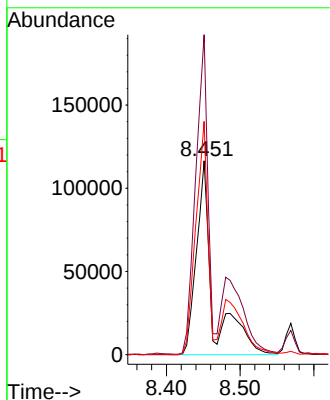
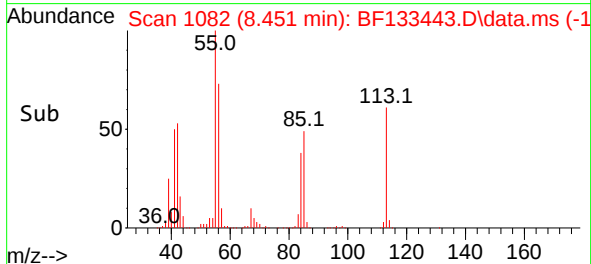
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



Tgt Ion:113 Resp: 184249
Ion Ratio Lower Upper
113 100
55 165.0 167.1 207.1
56 120.2 114.5 154.5

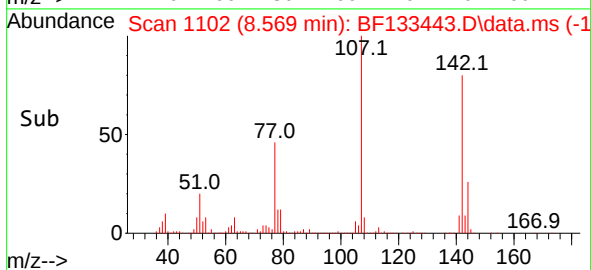
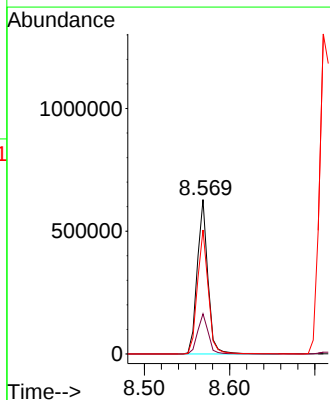
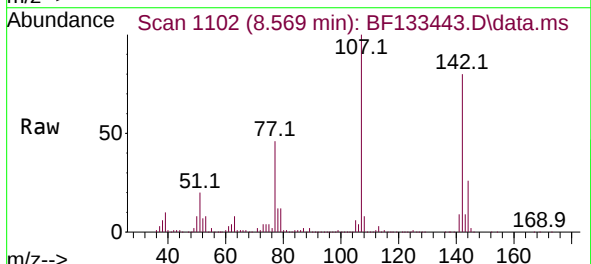
Manual Integrations
APPROVED

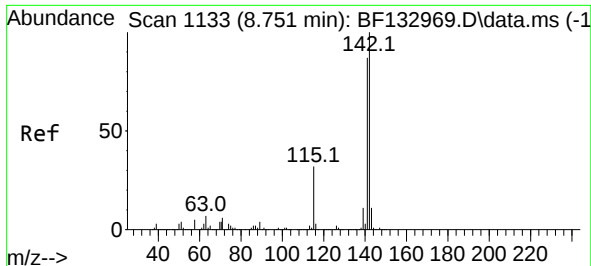
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#36
4-Chloro-3-methylphenol
Concen: 49.117 ng
RT: 8.569 min Scan# 1102
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Tgt Ion:107 Resp: 545624
Ion Ratio Lower Upper
107 100
144 26.0 20.6 30.8
142 80.4 62.8 94.2





#37

2-Methylnaphthalene

Concen: 46.497 ng

RT: 8.710 min Scan# 1133

Delta R.T. -0.006 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

Tgt Ion:142 Resp: 115831

Ion Ratio Lower Upper

142 100

141 87.7 69.4 104.0

Manual Integrations

APPROVED

Reviewed By :Christian

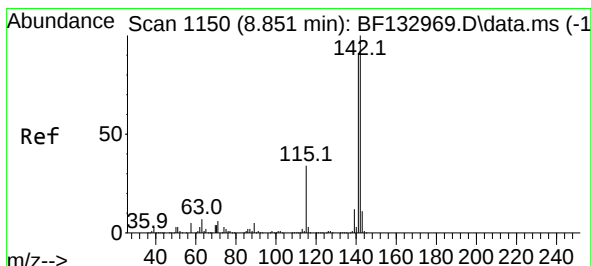
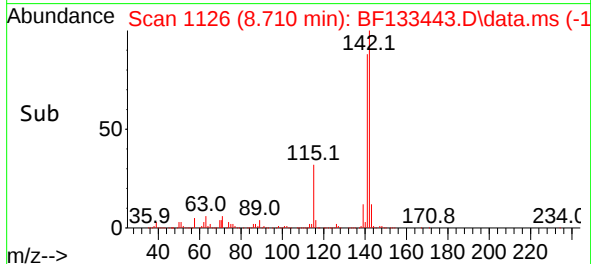
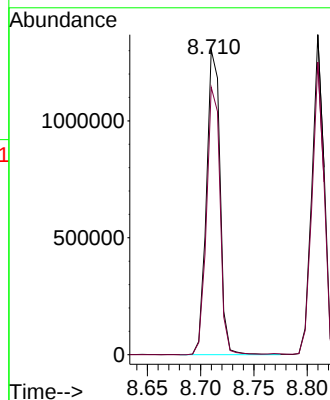
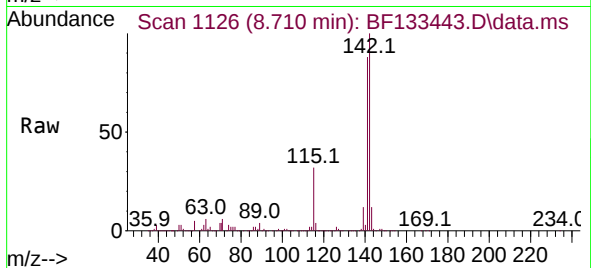
Giraldo

05/19/2023

Supervised By :Jagrut

Upadhyay

05/19/2023



#38

1-Methylnaphthalene

Concen: 45.947 ng

RT: 8.810 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF133443.D

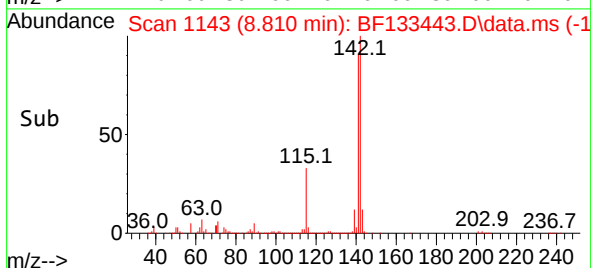
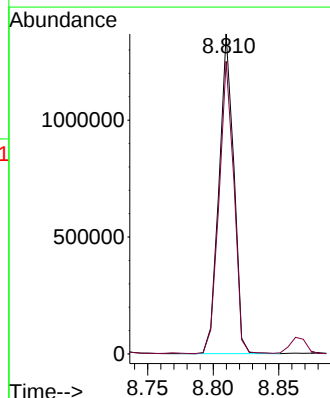
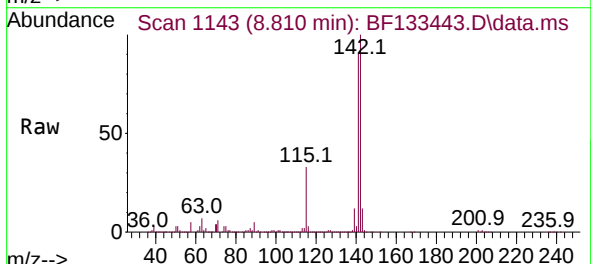
Acq: 18 May 2023 17:40

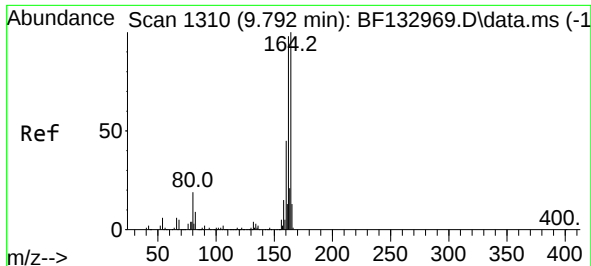
Tgt Ion:142 Resp: 1070752

Ion Ratio Lower Upper

142 100

141 91.4 73.1 109.7





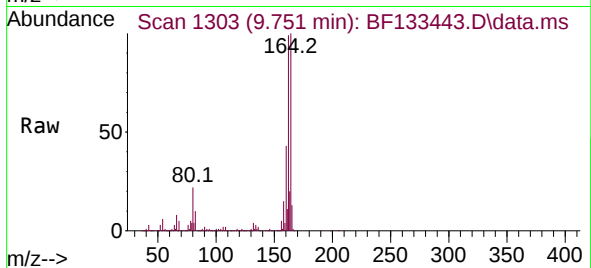
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD



Tgt Ion:164 Resp: 37388
Ion Ratio Lower Upper
164 100
162 98.7 78.7 118.1
160 43.3 35.8 53.6

Manual Integrations
APPROVED

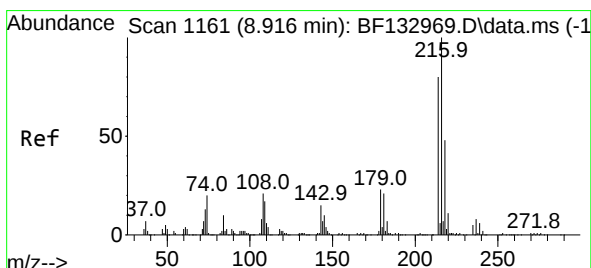
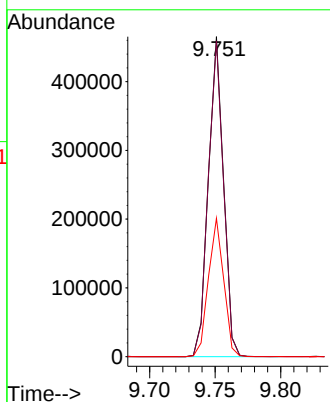
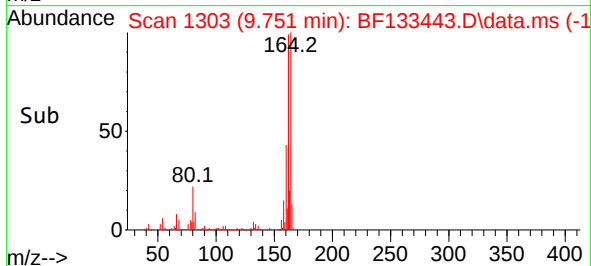
Reviewed By :Christian
Giraldo

05/19/2023

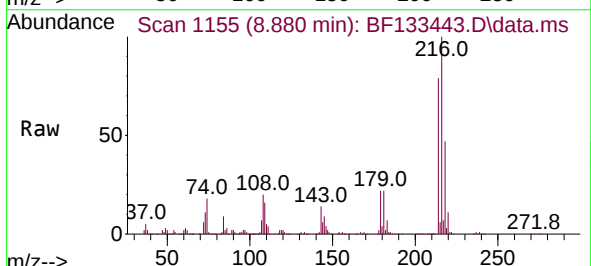
Supervised By :Jagrut

Upadhyay

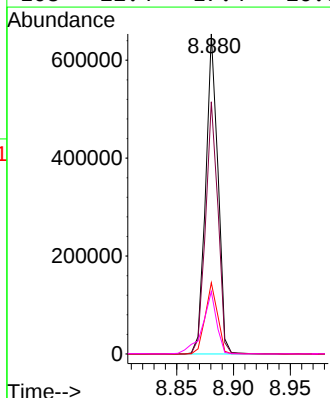
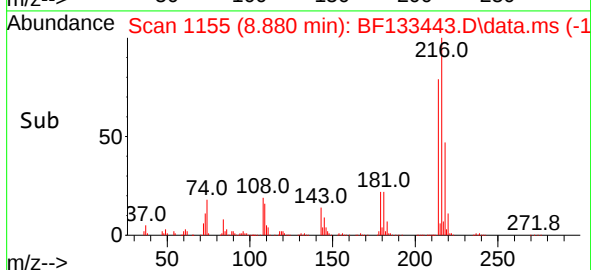
05/19/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.698 ng
RT: 8.880 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40



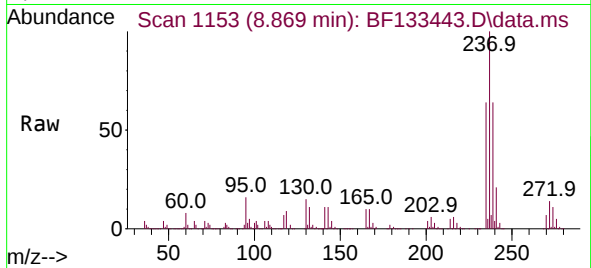
Tgt Ion:216 Resp: 489546
Ion Ratio Lower Upper
216 100
214 79.6 63.5 95.3
179 22.4 17.4 26.2
108 22.4 17.4 26.0





#41
Hexachlorocyclopentadiene
Concen: 88.670 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

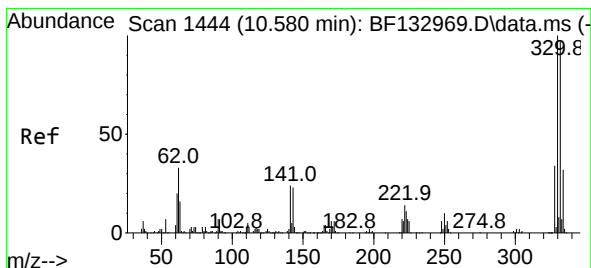
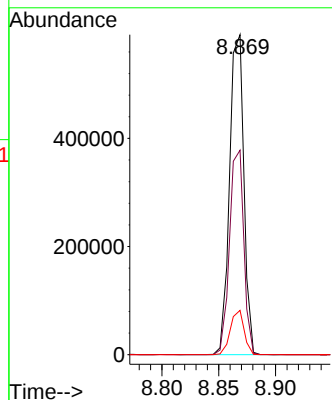
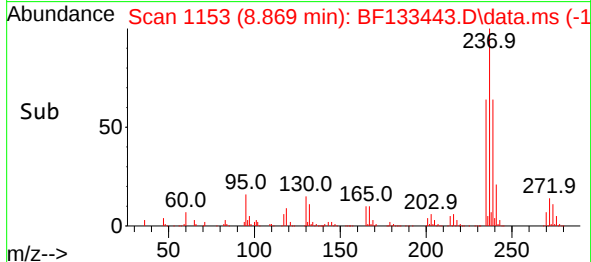
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



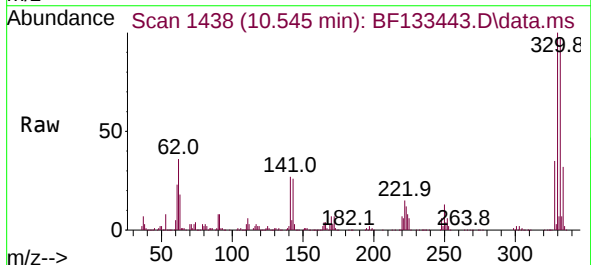
Tgt Ion:237 Resp: 519858
Ion Ratio Lower Upper
237 100
235 63.9 43.5 83.5
272 13.9 0.0 32.7

Manual Integrations
APPROVED

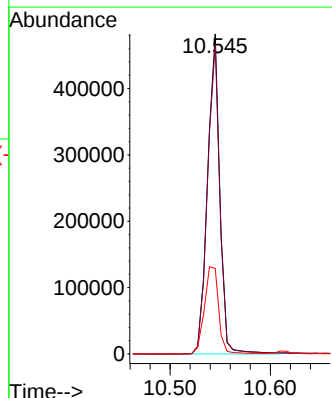
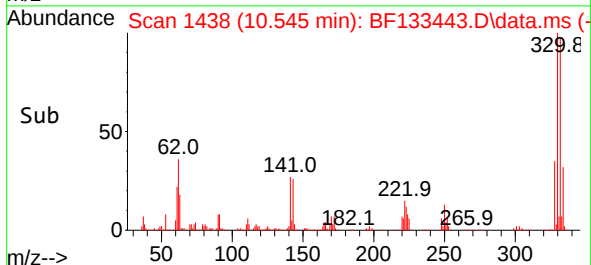
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023

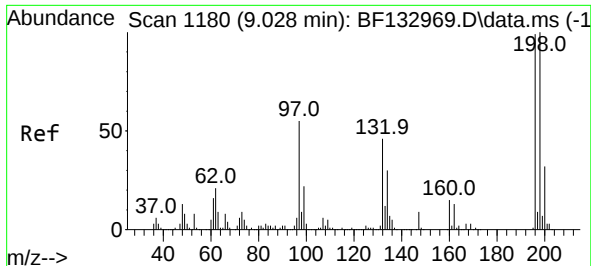


#42
2,4,6-Tribromophenol
Concen: 109.997 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40



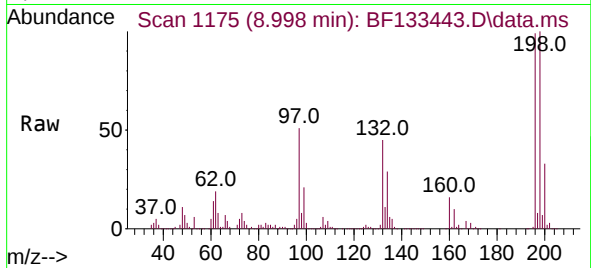
Tgt Ion:330 Resp: 413604
Ion Ratio Lower Upper
330 100
332 98.0 77.1 115.7
141 31.6 25.8 38.8





#43
2,4,6-Trichlorophenol
Concen: 48.476 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

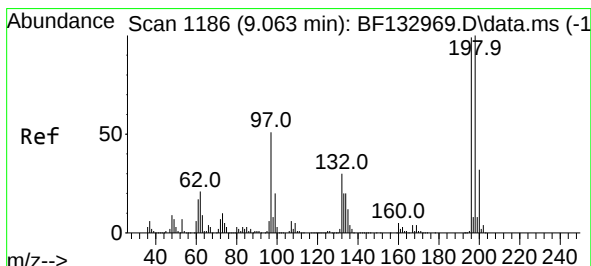
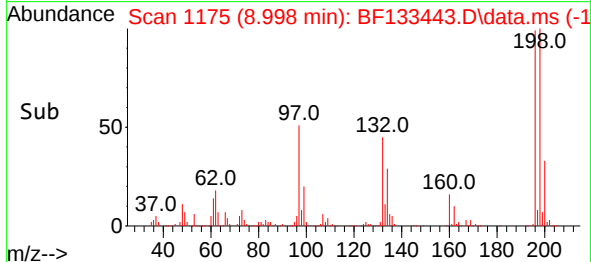
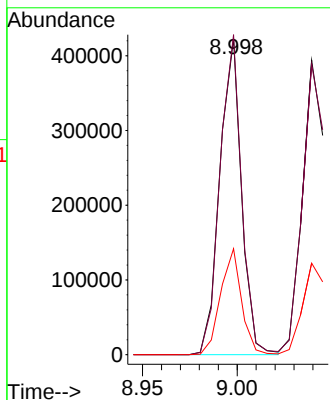
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



Tgt Ion:196 Resp: 33701
Ion Ratio Lower Upper
196 100
198 101.2 81.0 121.6
200 33.5 26.1 39.1

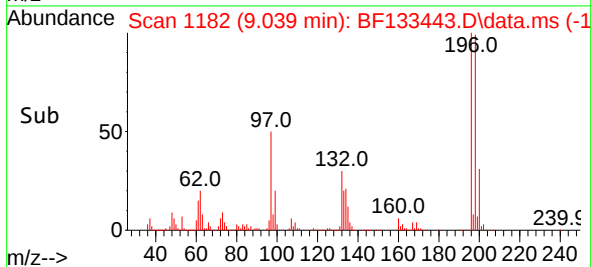
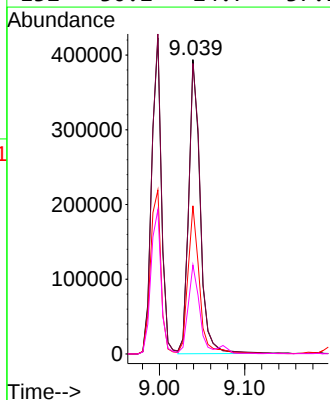
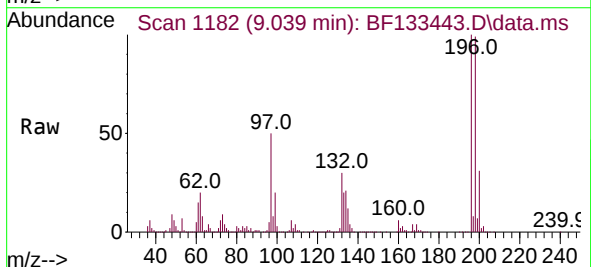
Manual Integrations
APPROVED

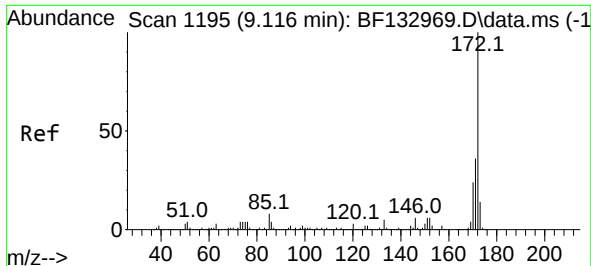
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#44
2,4,5-Trichlorophenol
Concen: 45.620 ng
RT: 9.039 min Scan# 1182
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Tgt Ion:196 Resp: 366799
Ion Ratio Lower Upper
196 100
198 98.7 80.9 121.3
97 50.3 41.3 61.9
132 30.2 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 78.519 ng

RT: 9.075 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

Tgt Ion:172 Resp: 175476

Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 24.4 19.4 29.2

Manual Integrations

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Reviewed By :Christian

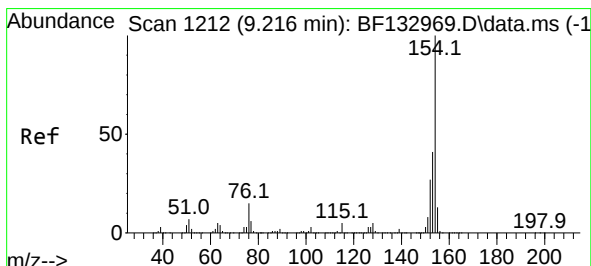
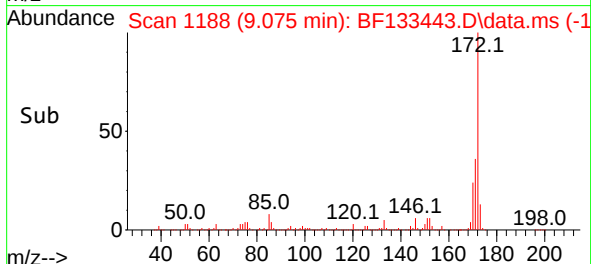
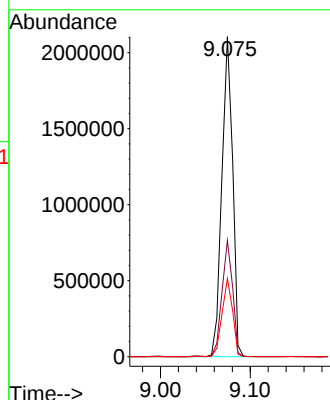
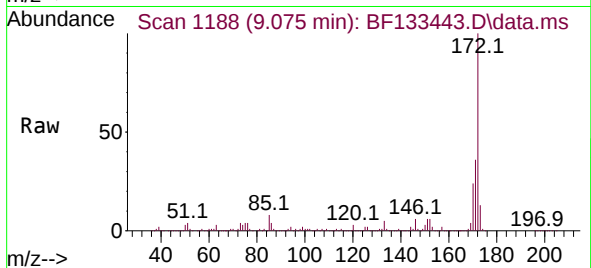
Giraldo

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Supervised By :Jagrut

Upadhyay

05/19/2023



#46

1,1'-Biphenyl

Concen: 48.668 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

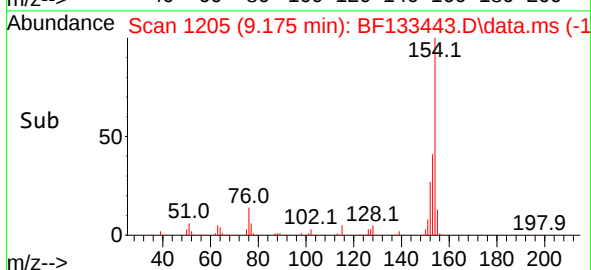
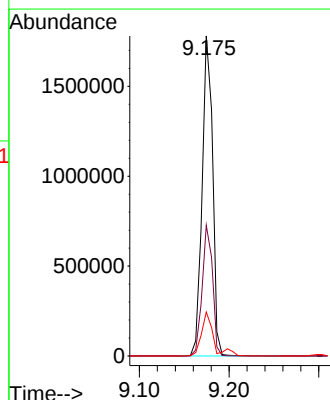
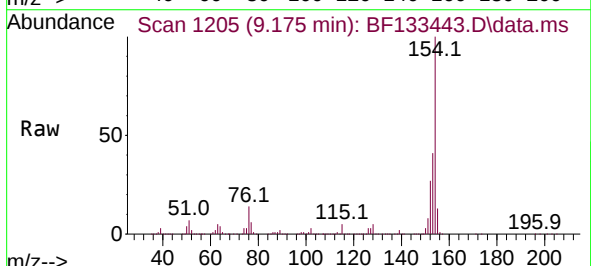
Tgt Ion:154 Resp: 1442878

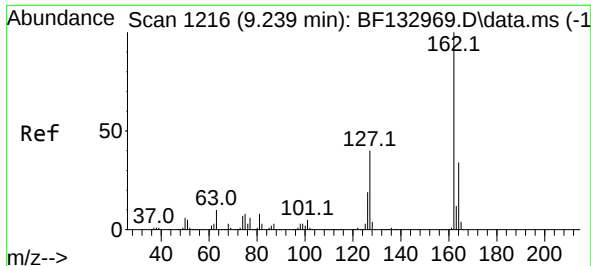
Ion Ratio Lower Upper

154 100

153 40.8 21.0 61.0

76 13.8 0.0 34.5





#47

2-Chloronaphthalene

Concen: 49.169 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

Tgt Ion:162 Resp: 106696

Ion Ratio Lower Upper

162 100

127 41.9 32.3 48.5

164 33.0 26.8 40.2

Manual Integrations

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Reviewed By :Christian

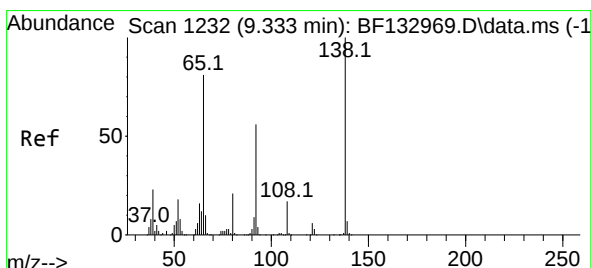
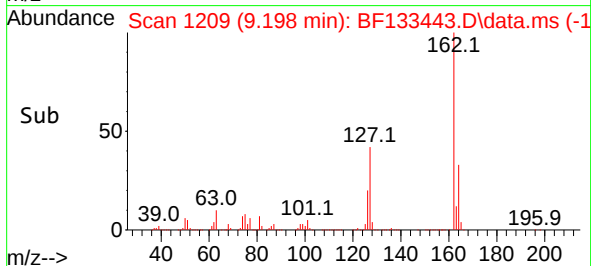
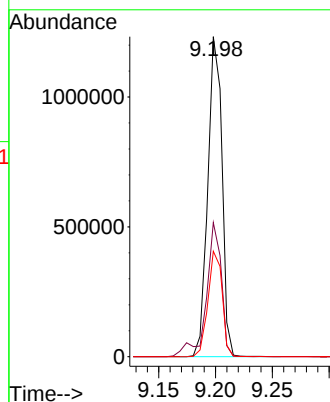
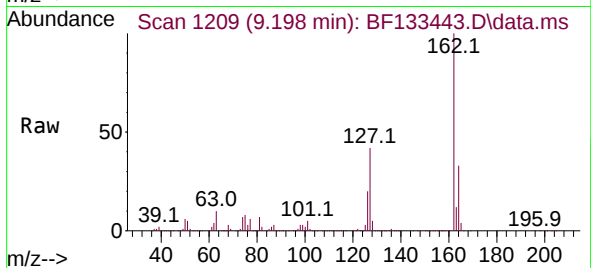
Giraldo

05/19/2023

Supervised By :Jagrut

Upadhyay

05/19/2023



#48

2-Nitroaniline

Concen: 46.770 ng

RT: 9.298 min Scan# 1226

Delta R.T. -0.006 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

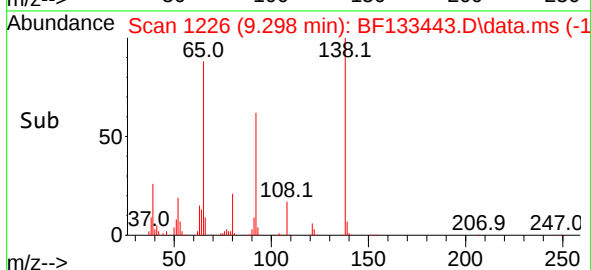
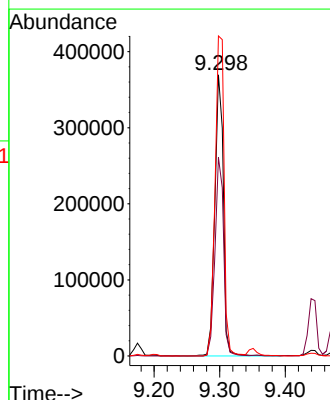
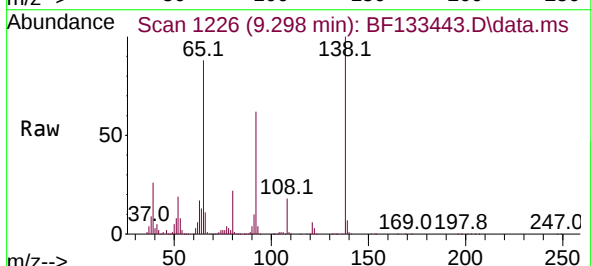
Tgt Ion: 65 Resp: 335424

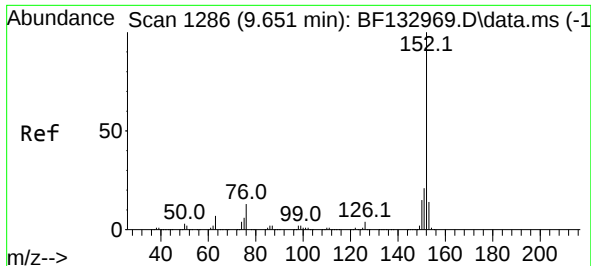
Ion Ratio Lower Upper

65 100

92 70.6 55.4 83.0

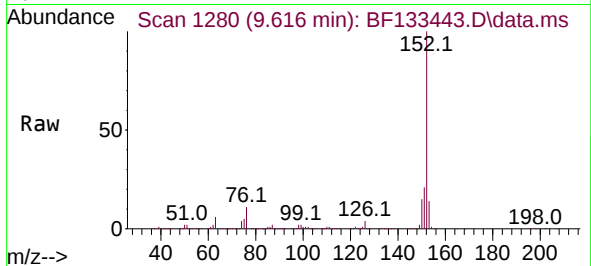
138 113.8 98.2 147.2





#49
Acenaphthylene
Concen: 47.415 ng
RT: 9.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

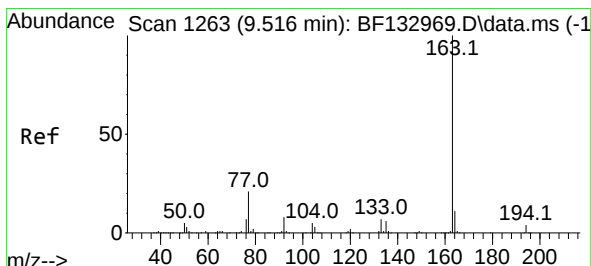
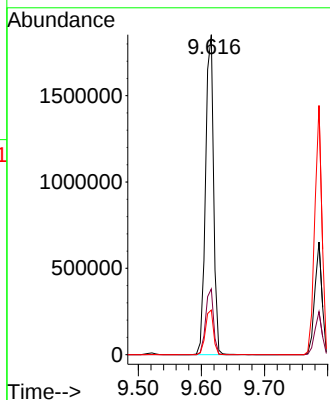
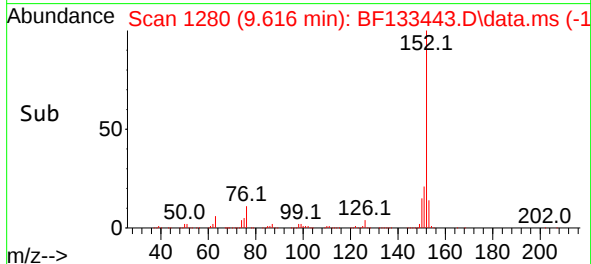
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



Tgt Ion:152 Resp: 164404
Ion Ratio Lower Upper
152 100
151 20.6 16.6 24.8
153 14.0 11.5 17.3

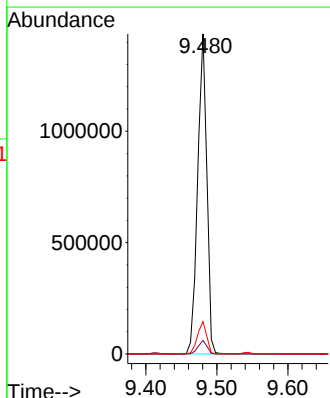
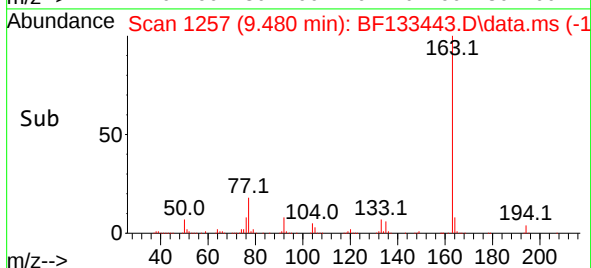
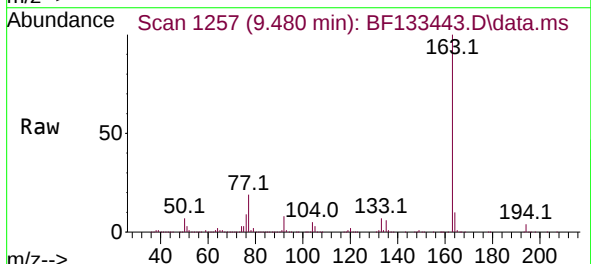
Manual Integrations
APPROVED

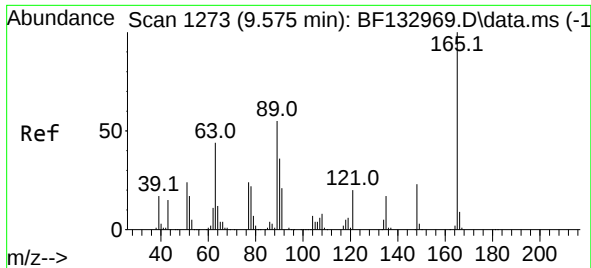
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#50
Dimethylphthalate
Concen: 49.560 ng
RT: 9.480 min Scan# 1257
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

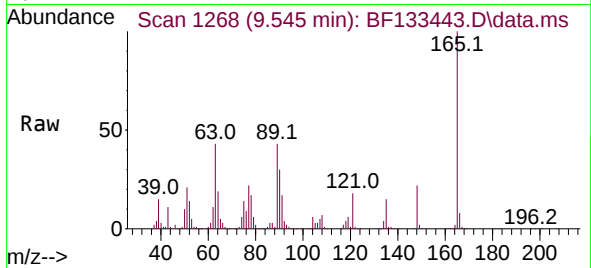
Tgt Ion:163 Resp: 1292046
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 10.1 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 50.738 ng
RT: 9.545 min Scan# 1109
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

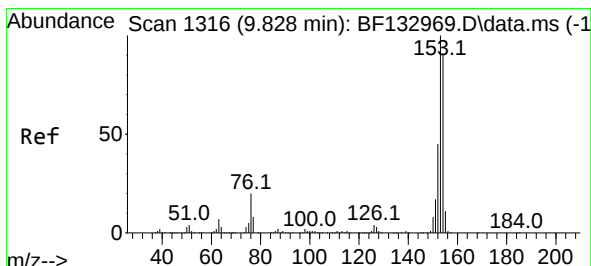
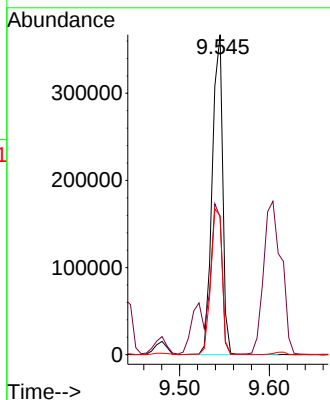
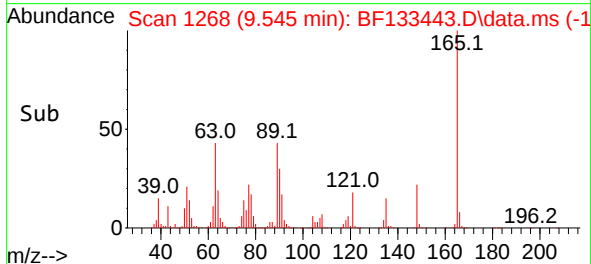
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



Tgt Ion:165 Resp: 297718
Ion Ratio Lower Upper
165 100
63 43.0 45.9 68.9
89 43.4 44.0 66.0

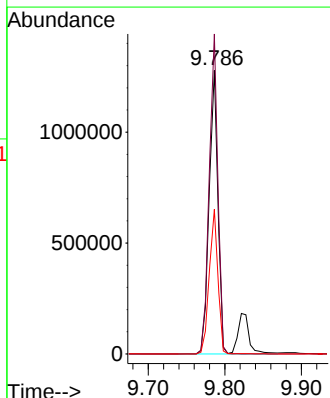
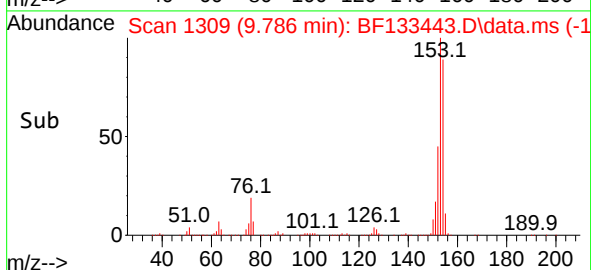
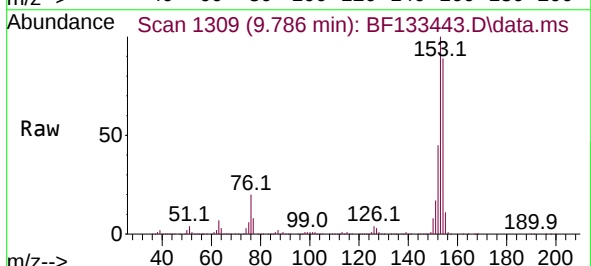
Manual Integrations
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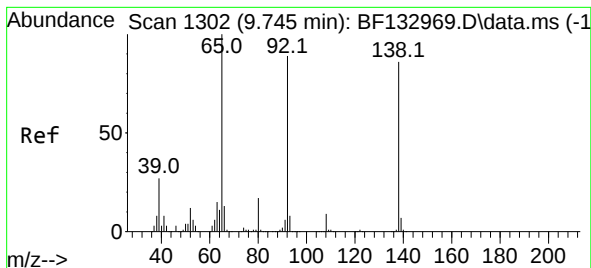
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#52
Acenaphthene
Concen: 51.978 ng m
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Tgt Ion:154 Resp: 1207075
Ion Ratio Lower Upper
154 100
153 112.9 89.0 133.6
152 51.0 40.4 60.6





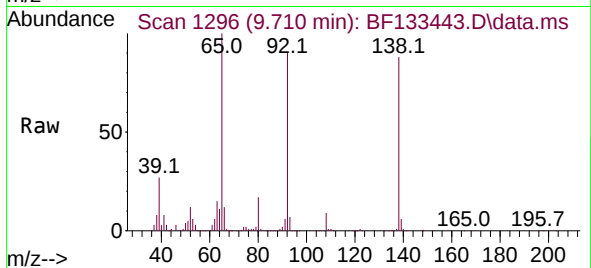
#53
3-Nitroaniline
Concen: 26.244 ng
RT: 9.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

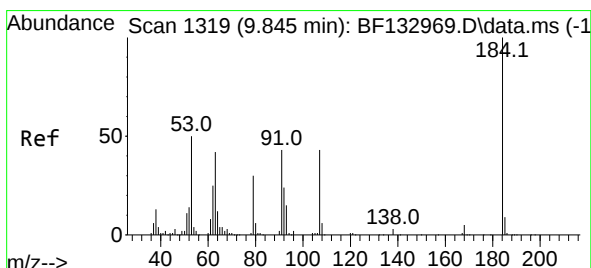
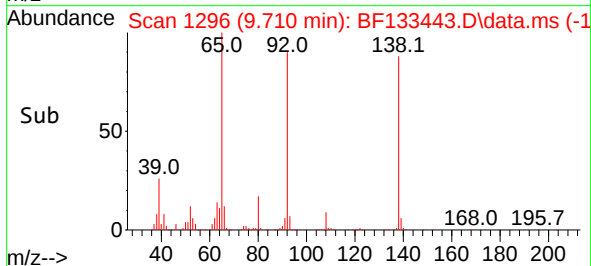
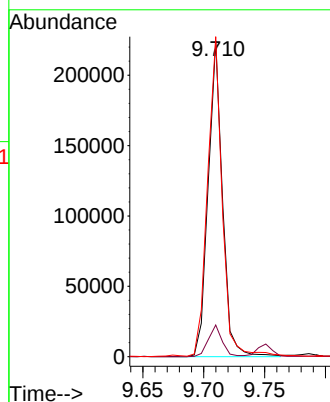


Tgt Ion:138 Resp: 183100
Ion Ratio Lower Upper
138 100
108 10.1 8.0 12.0
92 101.3 83.6 125.4

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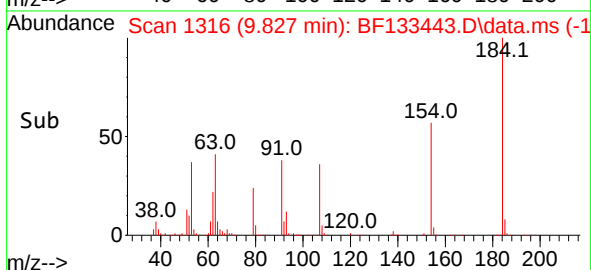
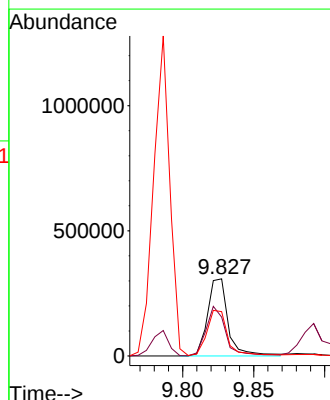
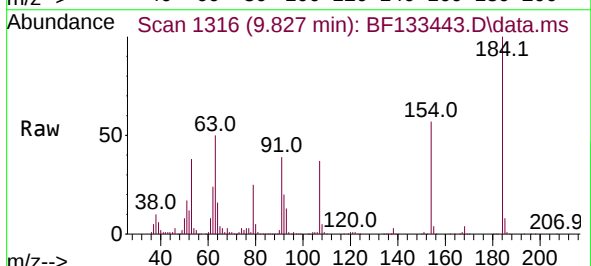
Reviewed By :Christian
Giraldo
05/19/2023

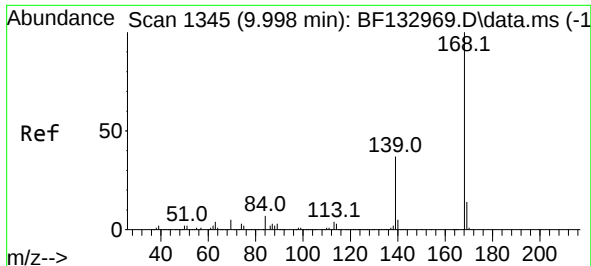
Supervised By :Jagrut
Upadhyay
05/19/2023



#54
2,4-Dinitrophenol
Concen: 105.331 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

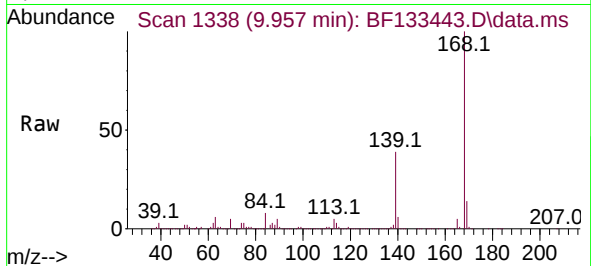
Tgt Ion:184 Resp: 310666
Ion Ratio Lower Upper
184 100
63 50.3 49.8 74.8
154 57.4 49.5 74.3





#55
Dibenzenofuran
Concen: 46.330 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

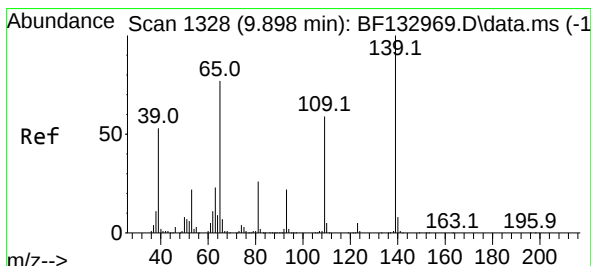
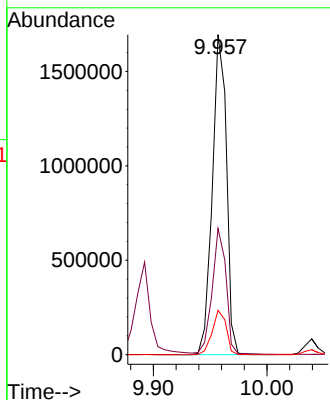
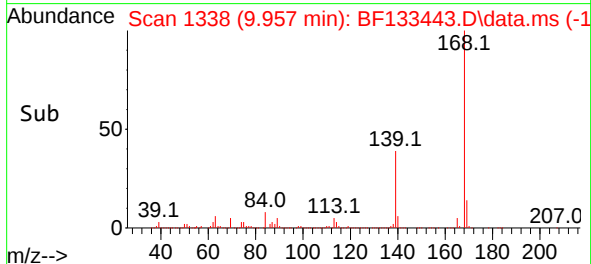
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



Tgt Ion:168 Resp: 1467640
Ion Ratio Lower Upper
168 100
139 39.4 29.8 44.8
169 13.9 10.8 16.2

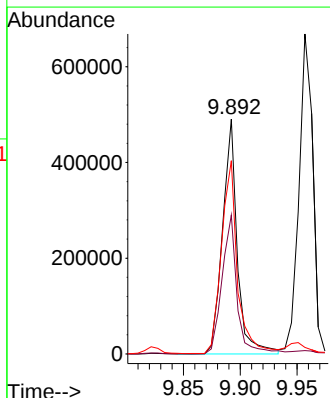
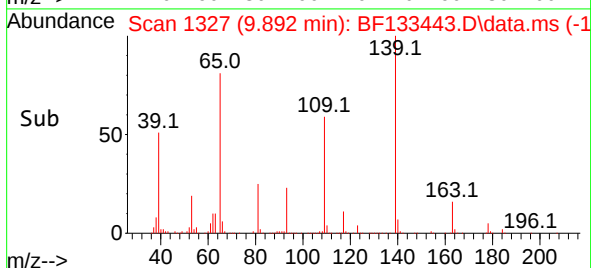
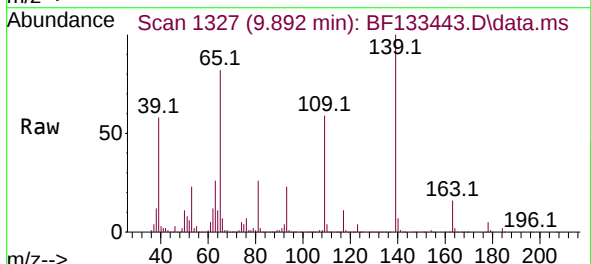
Manual Integrations
APPROVED

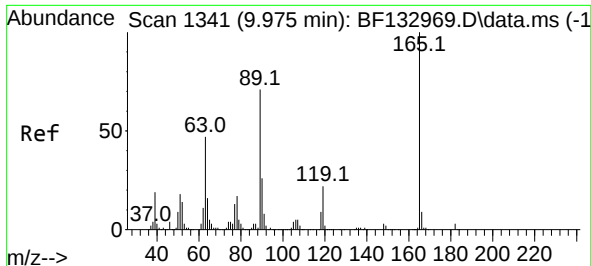
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#56
4-Nitrophenol
Concen: 82.308 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Tgt Ion:139 Resp: 444773
Ion Ratio Lower Upper
139 100
109 59.1 39.4 79.4
65 82.3 57.5 97.5





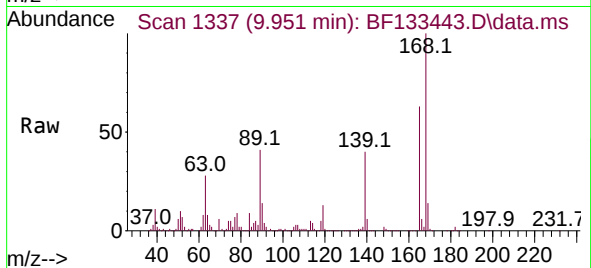
#57
2,4-Dinitrotoluene
Concen: 49.856 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

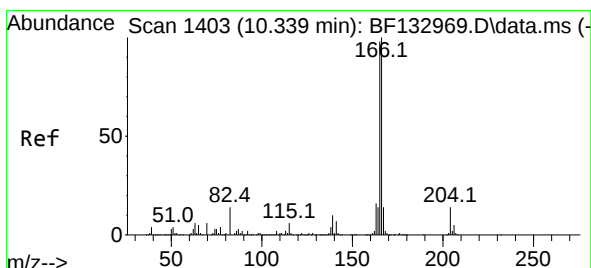
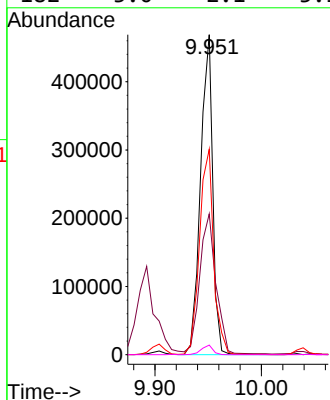
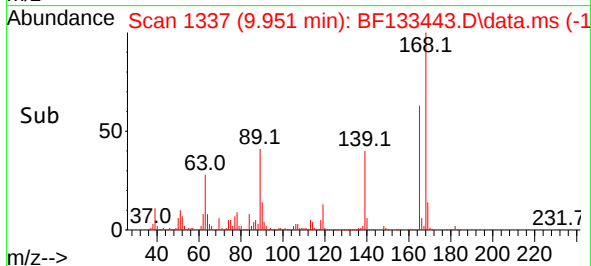


Tgt Ion:165 Resp: 373074
Ion Ratio Lower Upper
165 100
63 44.0 37.7 56.5
89 64.2 57.0 85.4
182 3.0 2.1 3.1

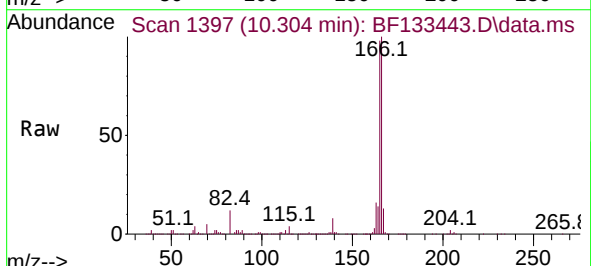
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
05/19/2023

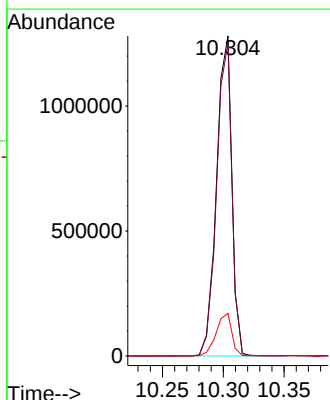
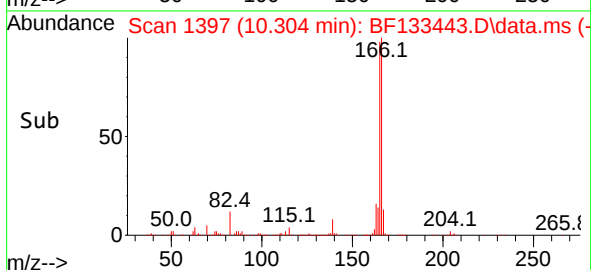
Supervised By :Jagrut
Upadhyay
05/19/2023

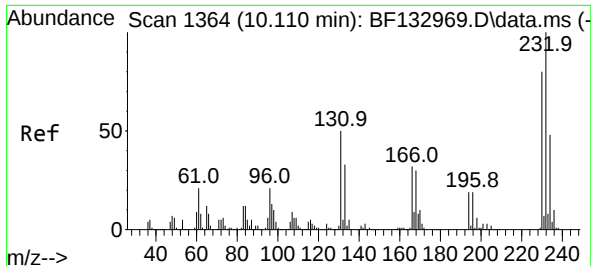


#58
Fluorene
Concen: 48.346 ng
RT: 10.304 min Scan# 1397
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40



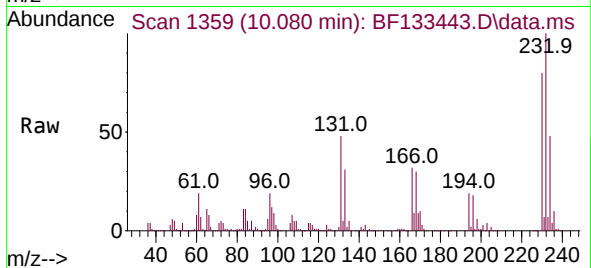
Tgt Ion:166 Resp: 1122034
Ion Ratio Lower Upper
166 100
165 97.8 78.6 117.8
167 13.3 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.142 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

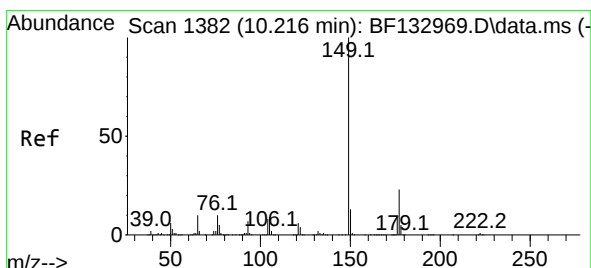
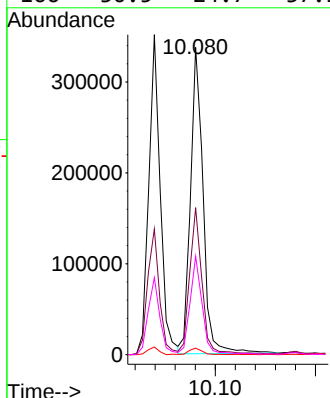
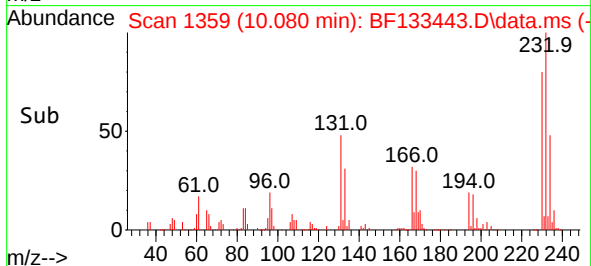
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



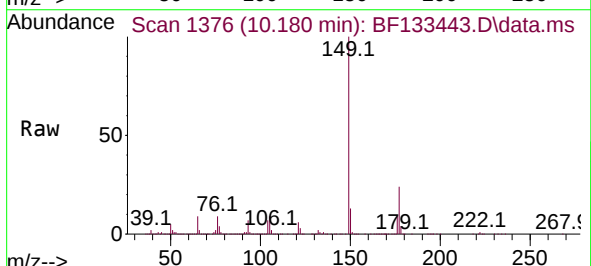
Tgt Ion:232 Resp: 29385
Ion Ratio Lower Upper
232 100
131 47.6 38.0 57.0
130 2.1 1.8 2.8
166 30.5 24.7 37.1

Manual Integrations
APPROVED

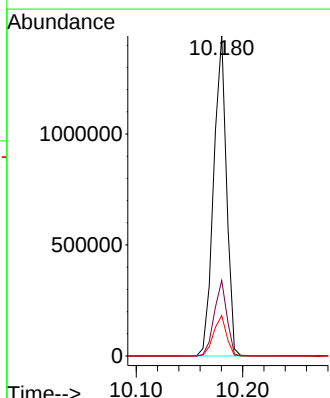
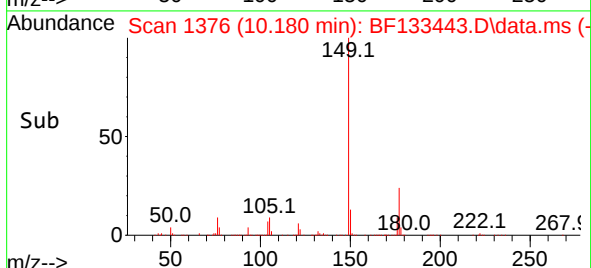
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023

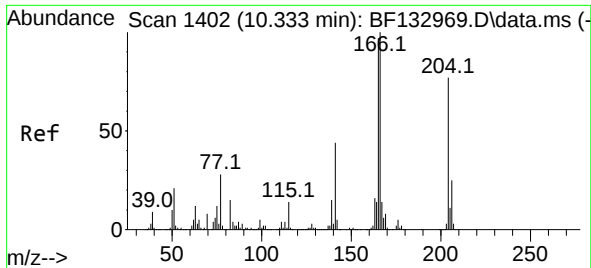


#60
Diethylphthalate
Concen: 49.047 ng
RT: 10.180 min Scan# 1376
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40



Tgt Ion:149 Resp: 1207782
Ion Ratio Lower Upper
149 100
177 23.6 18.2 27.4
150 12.6 10.2 15.4





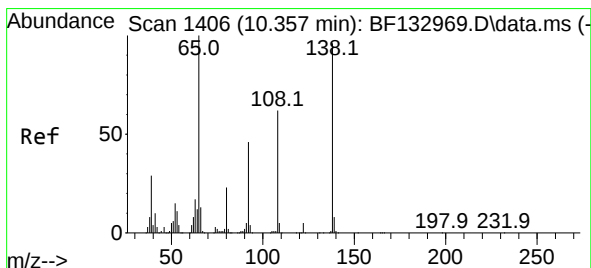
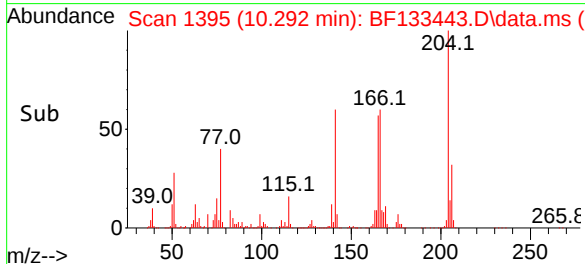
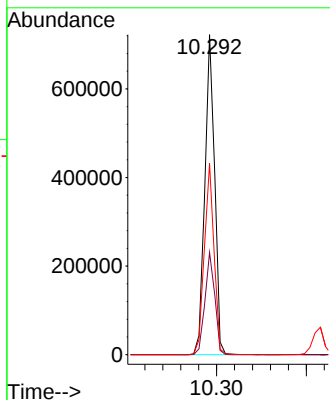
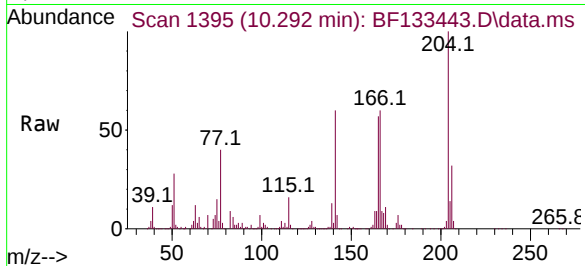
#61
4-Chlorophenyl-phenylether
Concen: 48.241 ng
RT: 10.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Instrument :
BNA_F
ClientSampleId :
SB-4MSD

Tgt Ion:204 Resp: 54560
Ion Ratio Lower Upper
204 100
206 32.0 26.1 39.1
141 59.7 46.1 69.1

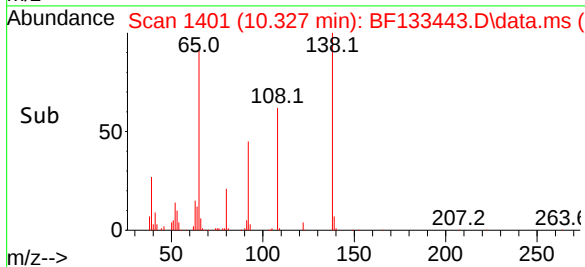
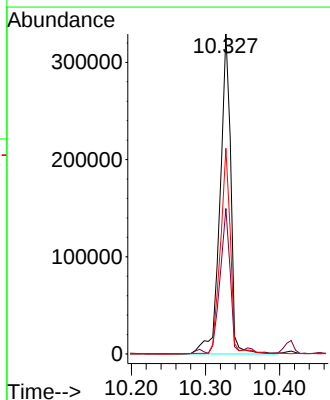
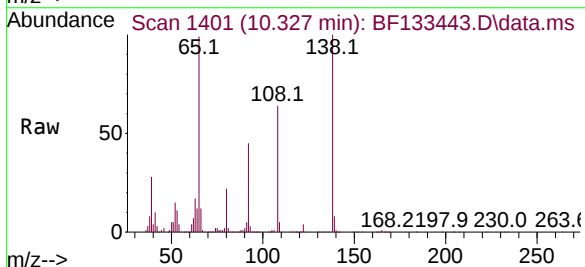
Manual Integrations
APPROVED

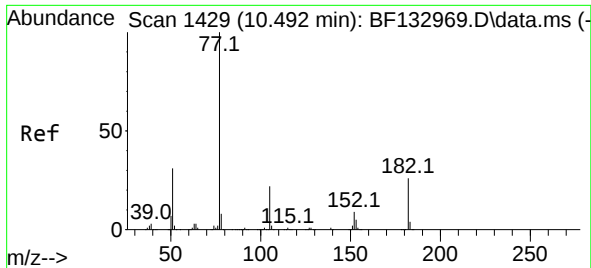
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#62
4-Nitroaniline
Concen: 51.788 ng
RT: 10.327 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

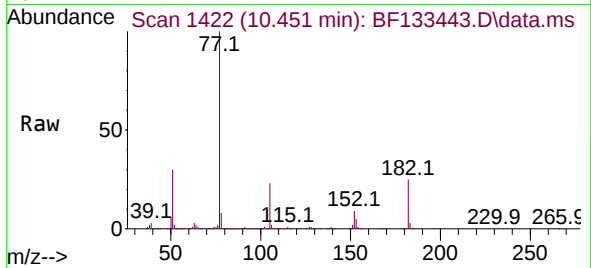
Tgt Ion:138 Resp: 332086
Ion Ratio Lower Upper
138 100
92 45.4 27.7 67.7
108 64.3 45.2 85.2





#63
Azobenzene
Concen: 46.721 ng
RT: 10.451 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

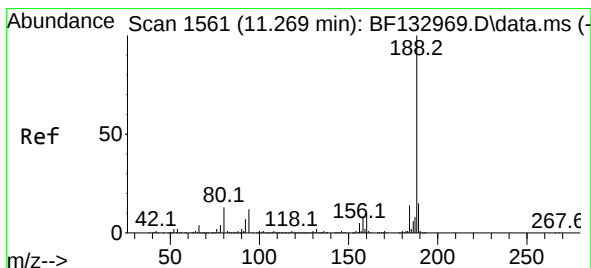
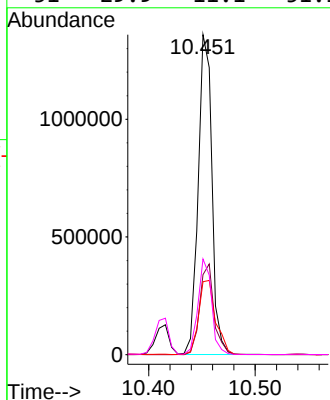
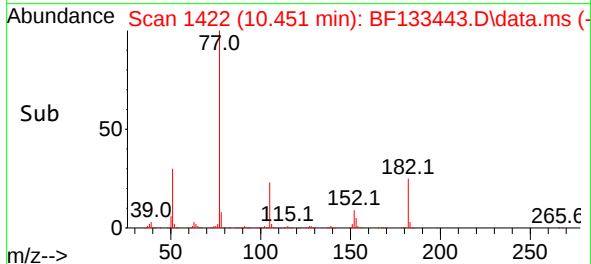
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



Tgt Ion: 77 Resp: 121878
Ion Ratio Lower Upper
77 100
182 25.0 5.9 45.9
105 22.8 2.3 42.3
51 29.9 11.1 51.1

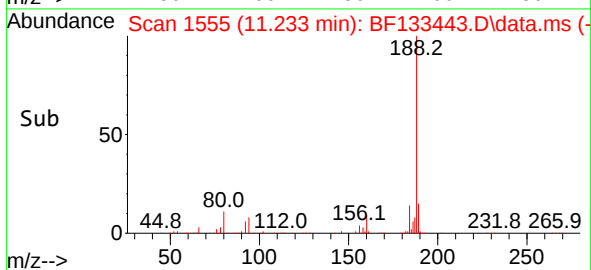
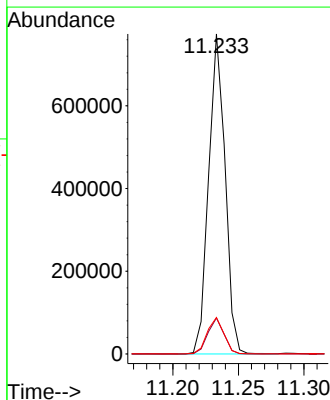
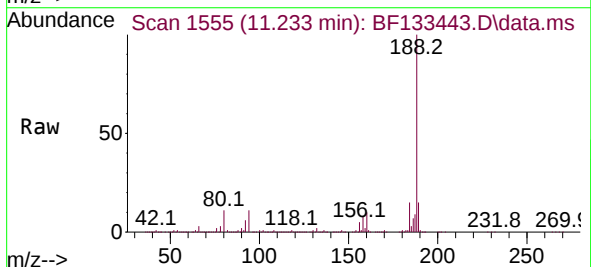
Manual Integrations
APPROVED

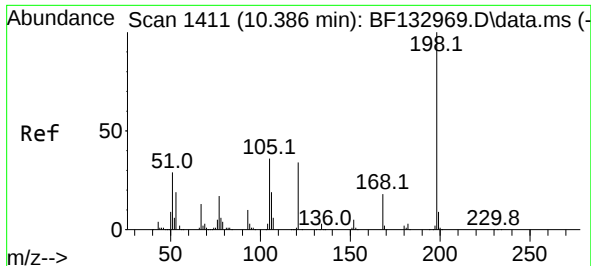
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

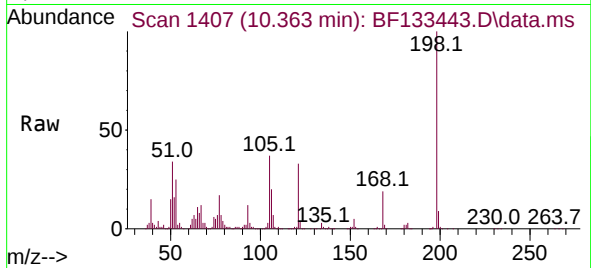
Tgt Ion:188 Resp: 677010
Ion Ratio Lower Upper
188 100
94 11.2 9.7 14.5
80 11.4 10.4 15.6





#65
4,6-Dinitro-2-methylphenol
Concen: 55.477 ng
RT: 10.363 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

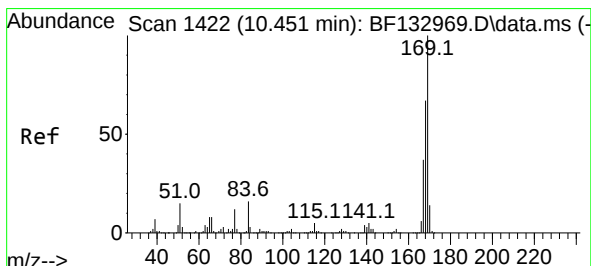
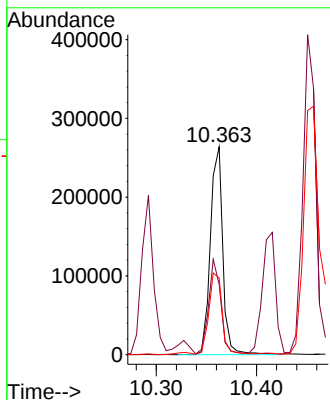
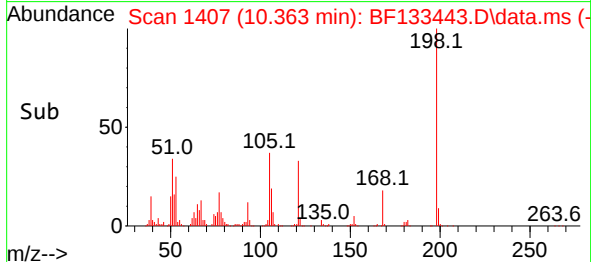
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



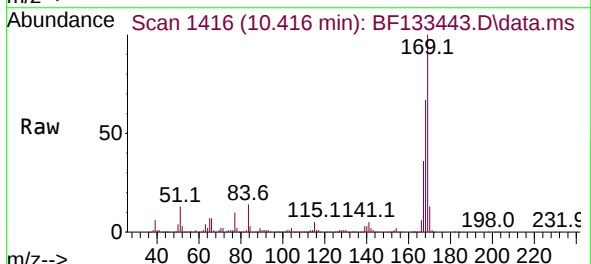
Tgt Ion:198 Resp: 22765
Ion Ratio Lower Upper
198 100
51 33.7 15.5 55.5
105 36.9 16.7 56.7

Manual Integrations
APPROVED

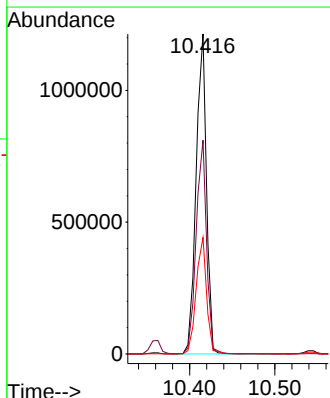
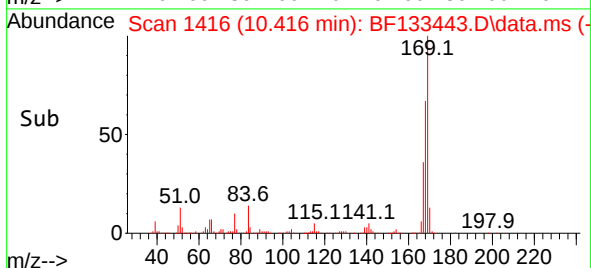
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023

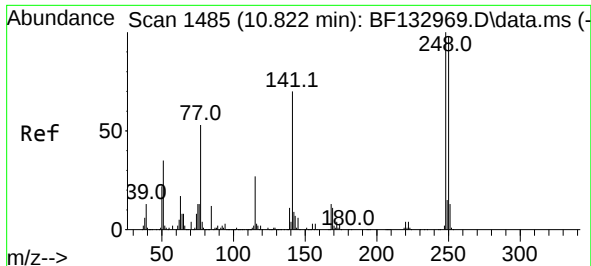


#66
n-Nitrosodiphenylamine
Concen: 46.649 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40



Tgt Ion:169 Resp: 1024445
Ion Ratio Lower Upper
169 100
168 66.8 53.8 80.8
167 36.4 29.7 44.5





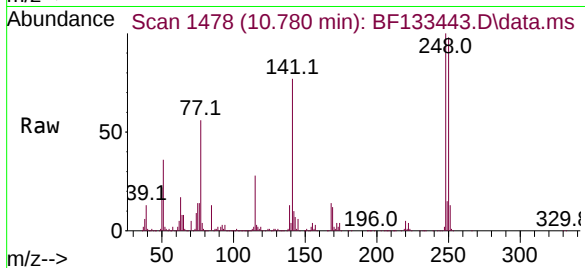
#67
4-Bromophenyl-phenylether
Concen: 47.551 ng
RT: 10.780 min Scan# 1485
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

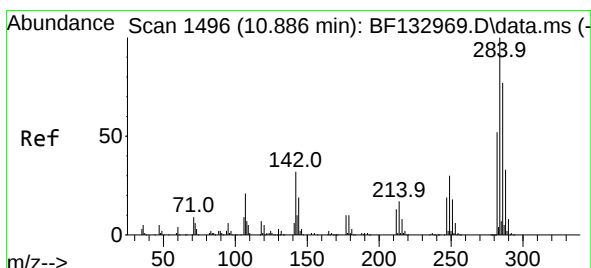
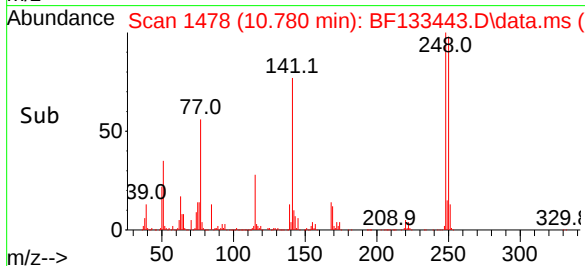
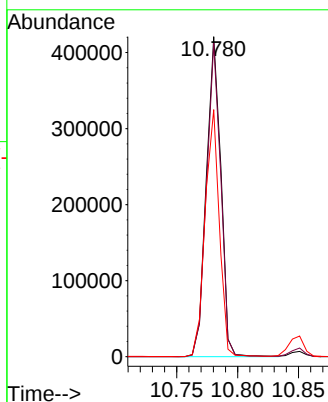


Tgt Ion:248 Resp: 349148
Ion Ratio Lower Upper
248 100
250 97.9 78.7 118.1
141 77.2 56.3 84.5

Manual Integrations
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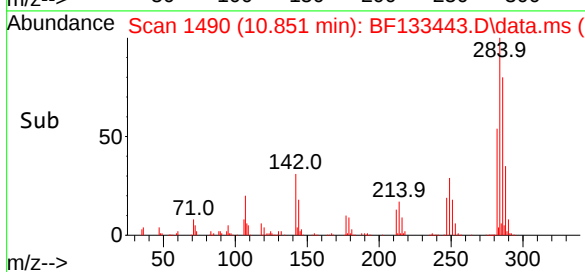
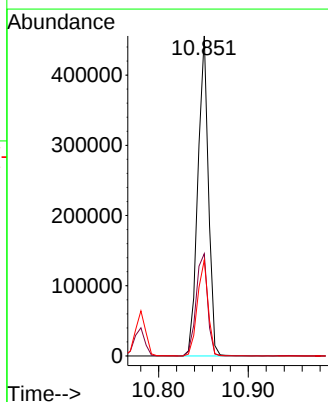
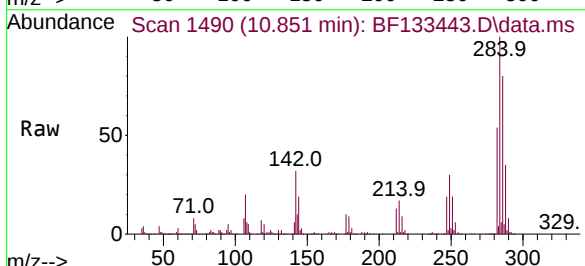
Reviewed By :Christian
Giraldo
05/19/2023

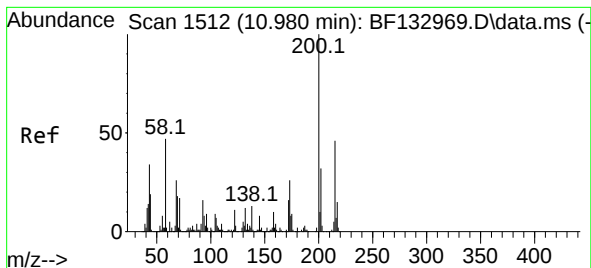
Supervised By :Jagrut
Upadhyay
05/19/2023



#68
Hexachlorobenzene
Concen: 49.316 ng
RT: 10.851 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Tgt Ion:284 Resp: 371045
Ion Ratio Lower Upper
284 100
142 32.0 26.0 39.0
249 30.0 23.7 35.5





#69

Atrazine

Concen: 56.858 ng

RT: 10.945 min Scan# 1506

Delta R.T. -0.000 min

Lab File: BF133443.D

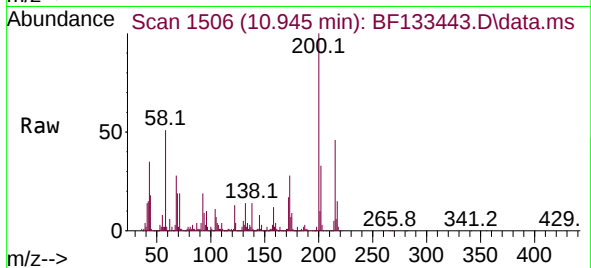
Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD



Tgt Ion:	200	Resp:	359784
Ion Ratio	Lower	Upper	
200	100		
173	27.6	6.2	46.2
215	45.9	26.3	66.3

Manual Integrations
APPROVED

Reviewed By :Christian

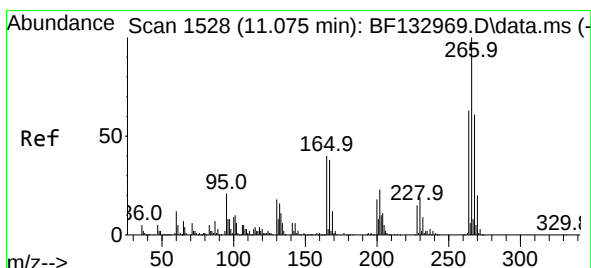
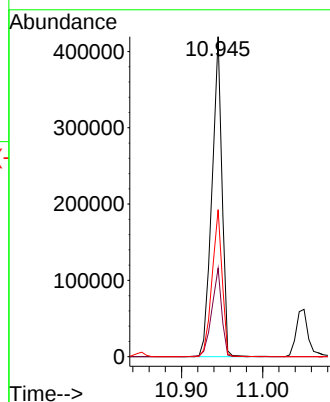
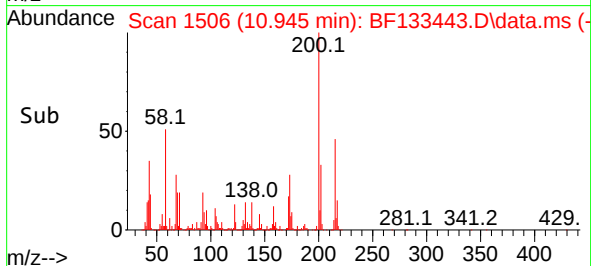
Giraldo

05/19/2023

Supervised By :Jagrut

Upadhyay

05/19/2023



#70

Pentachlorophenol

Concen: 68.264 ng

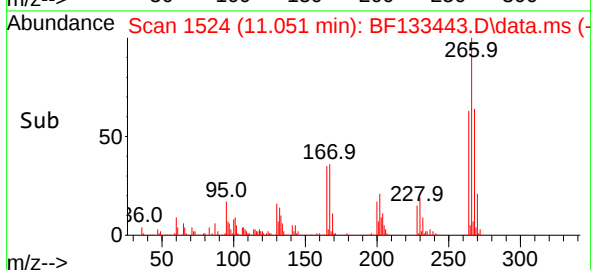
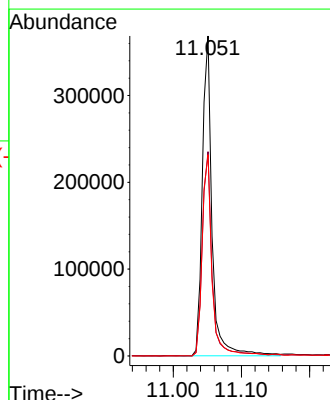
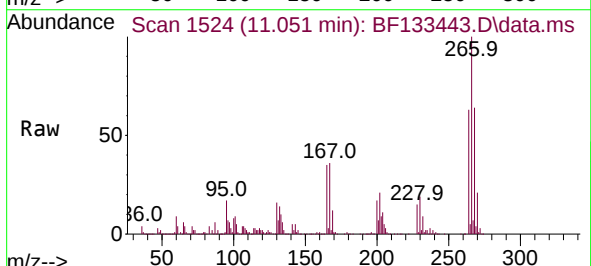
RT: 11.051 min Scan# 1524

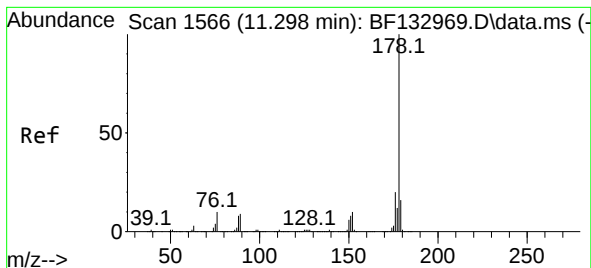
Delta R.T. -0.000 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

Tgt Ion:	266	Resp:	365788
Ion Ratio	Lower	Upper	
266	100		
268	63.8	48.8	73.2
264	62.9	50.6	76.0





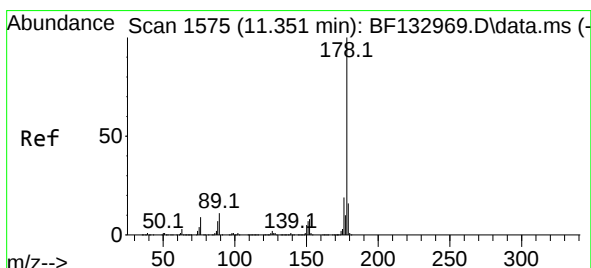
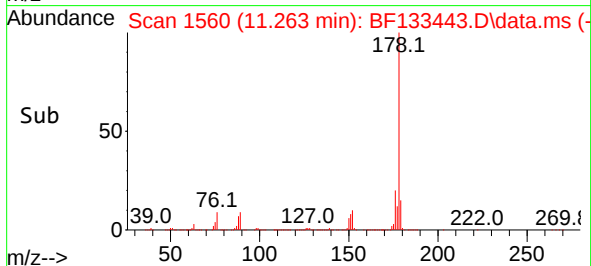
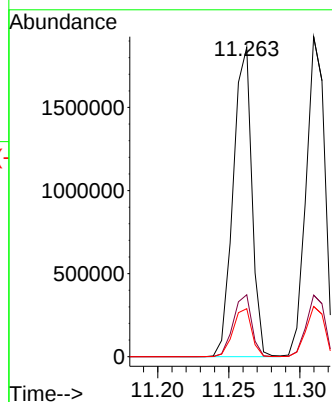
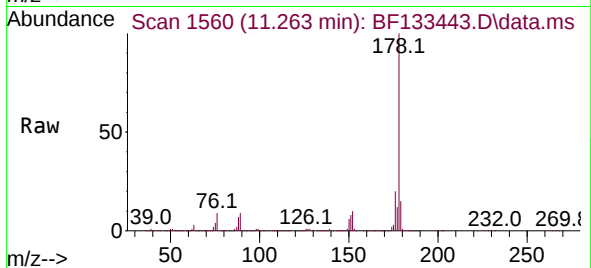
#71
Phenanthrene
Concen: 47.005 ng
RT: 11.263 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Instrument :
BNA_F
ClientSampleId :
SB-4MSD

Tgt Ion:178 Resp: 1710394
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.5 12.5 18.7

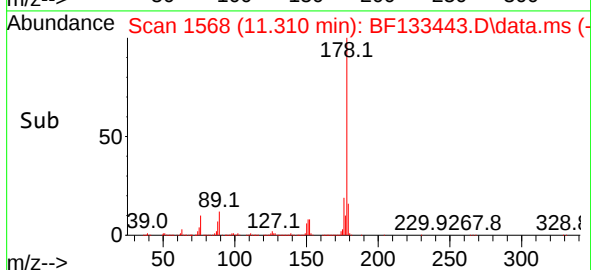
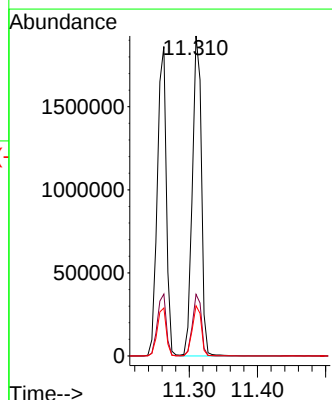
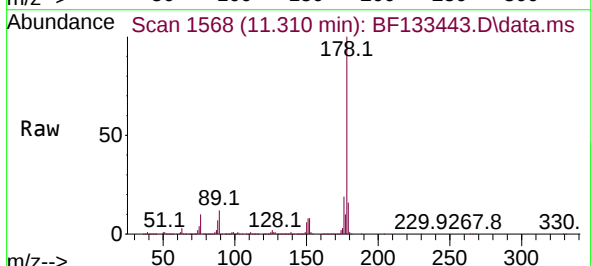
Manual Integrations
APPROVED

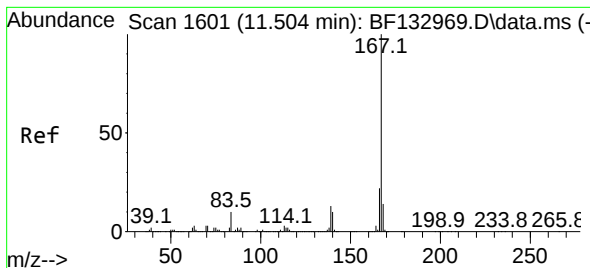
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#72
Anthracene
Concen: 47.350 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

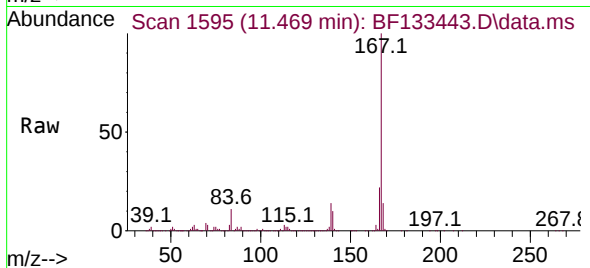
Tgt Ion:178 Resp: 1763240
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.7 12.4 18.6





#73
 Carbazole
 Concen: 48.088 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. -0.006 min
 Lab File: BF133443.D
 Acq: 18 May 2023 17:40

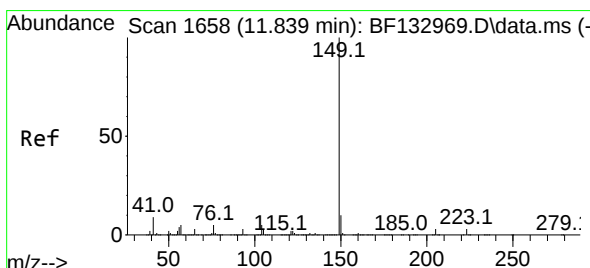
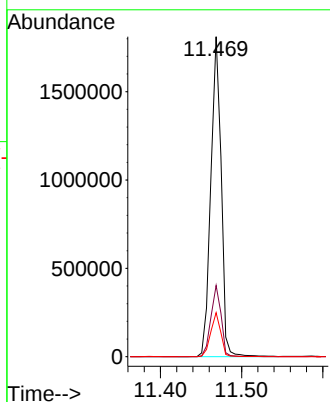
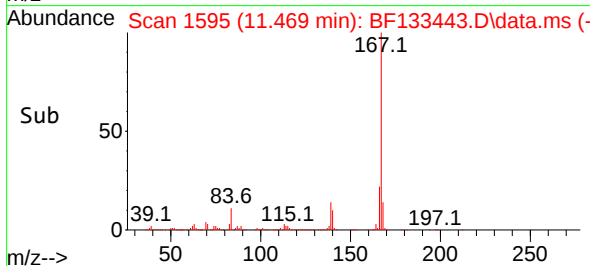
Instrument :
 BNA_F
 ClientSampleId :
 SB-4MSD



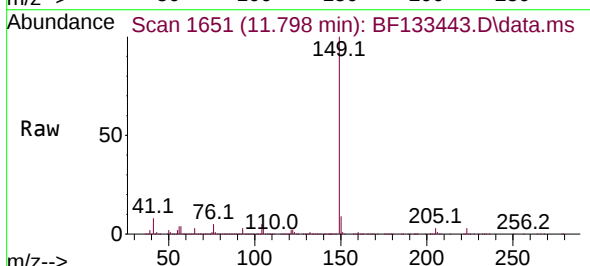
Tgt Ion:167 Resp: 159449
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 13.8 10.6 16.0

Manual Integrations
 APPROVED

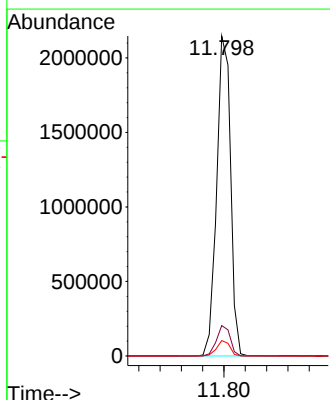
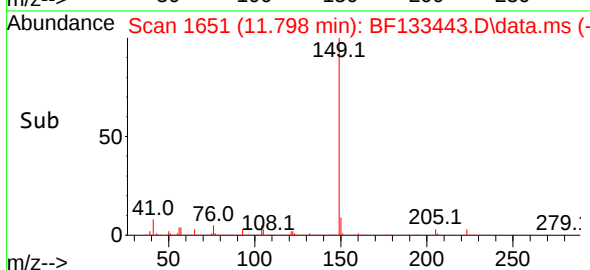
Reviewed By :Christian
 Giraldo
 05/19/2023
 Supervised By :Jagrut
 Upadhyay
 05/19/2023

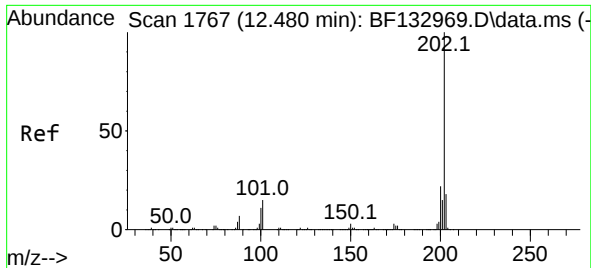


#74
 Di-n-butylphthalate
 Concen: 51.750 ng
 RT: 11.798 min Scan# 1651
 Delta R.T. -0.006 min
 Lab File: BF133443.D
 Acq: 18 May 2023 17:40



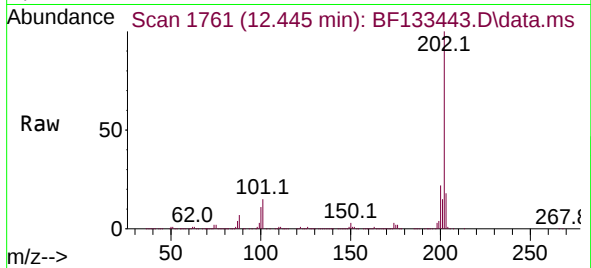
Tgt Ion:149 Resp: 1941834
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.6 11.4
 104 4.8 4.0 6.0





#75
Fluoranthene
Concen: 46.392 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

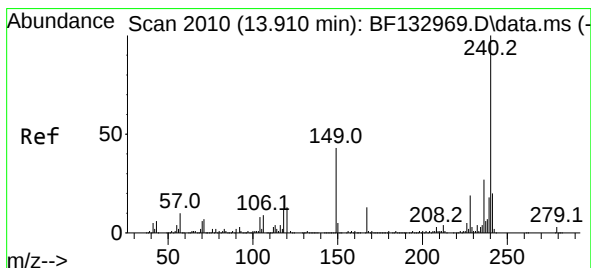
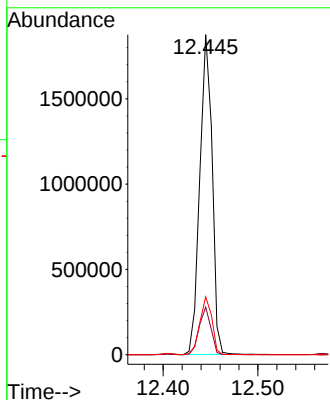
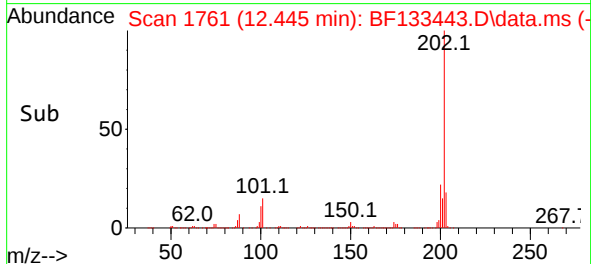
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



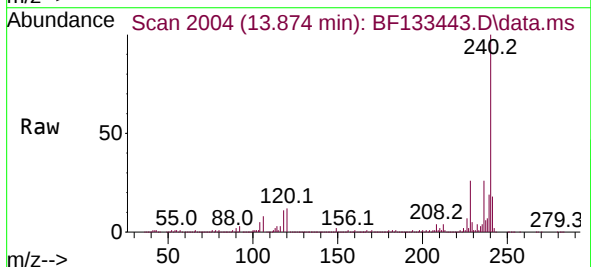
Tgt Ion:202 Resp: 1694184
Ion Ratio Lower Upper
202 100
101 14.9 0.0 35.3
203 18.0 0.0 38.1

Manual Integrations
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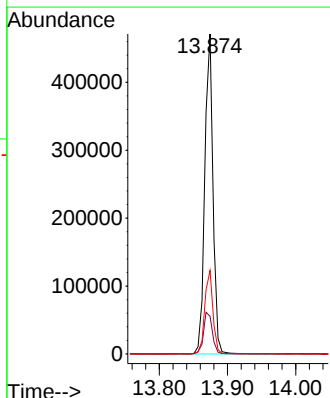
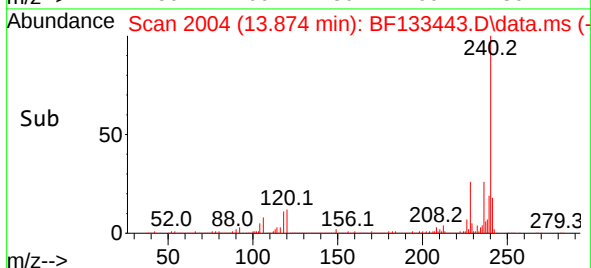
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023

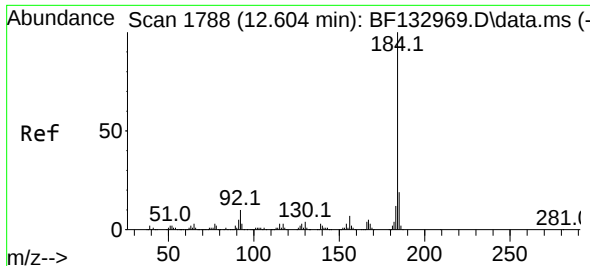


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40



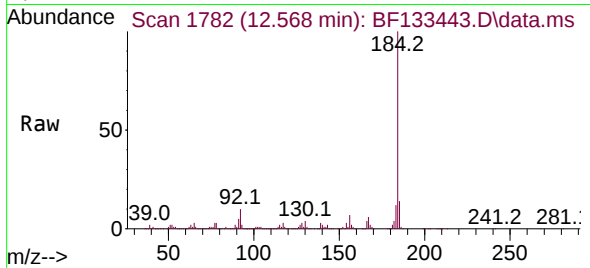
Tgt Ion:240 Resp: 394604
Ion Ratio Lower Upper
240 100
120 11.8 10.5 15.7
236 26.1 21.5 32.3





#77
Benzidine
Concen: 122.555 ng
RT: 12.568 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

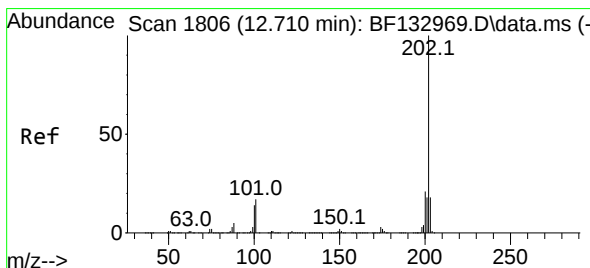
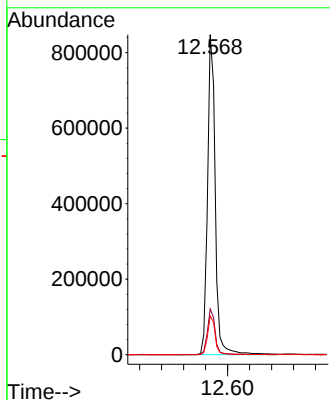
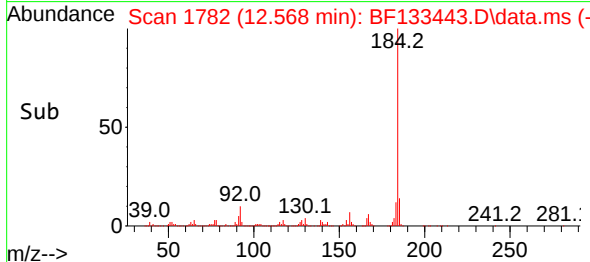
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



Tgt Ion:184 Resp: 817800
Ion Ratio Lower Upper
184 100
185 14.3 15.4 23.2
183 12.1 9.4 14.0

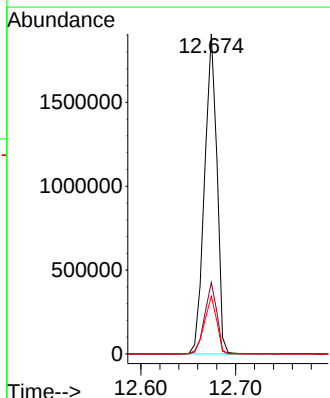
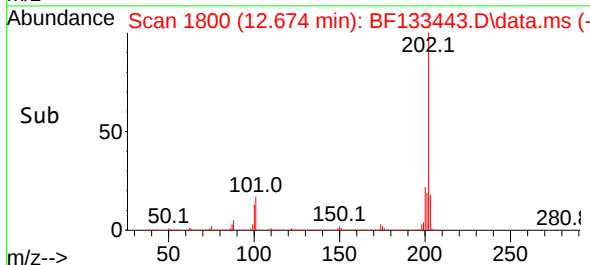
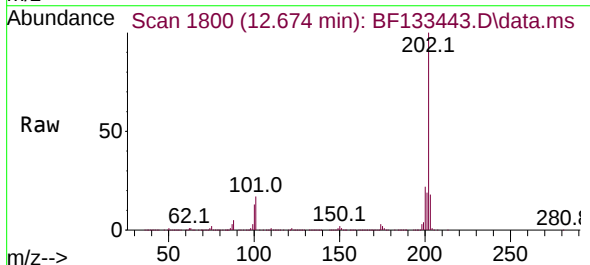
Manual Integrations
APPROVED

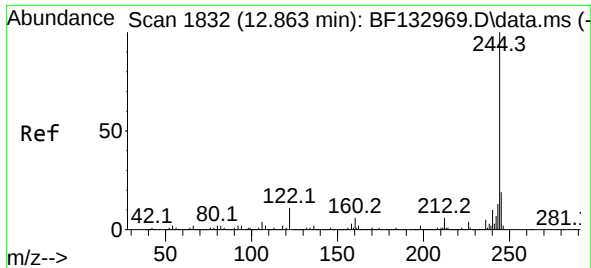
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#78
Pyrene
Concen: 50.958 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Tgt Ion:202 Resp: 1723750
Ion Ratio Lower Upper
202 100
200 22.4 17.1 25.7
203 18.1 14.1 21.1





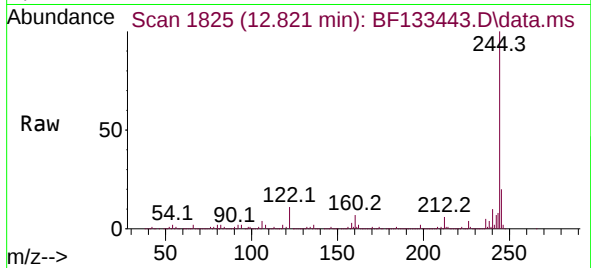
#79
 Terphenyl-d14
 Concen: 86.091 ng
 RT: 12.821 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133443.D
 Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

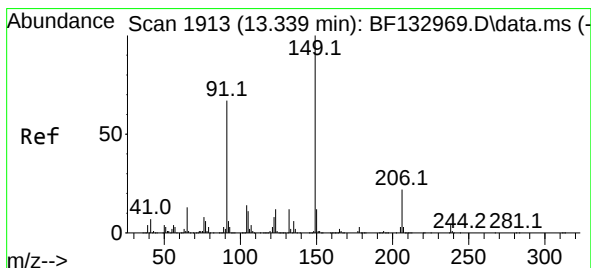
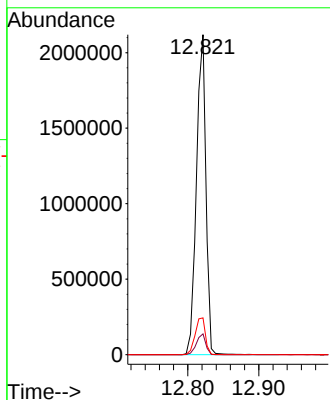
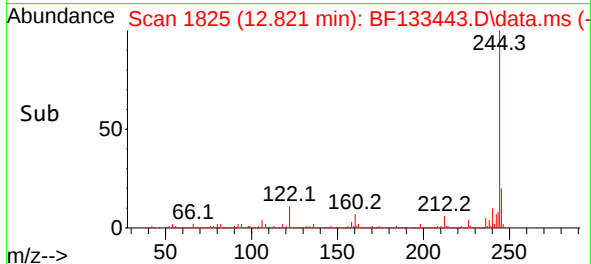


Tgt Ion:244 Resp: 196976
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 11.5 8.6 13.0

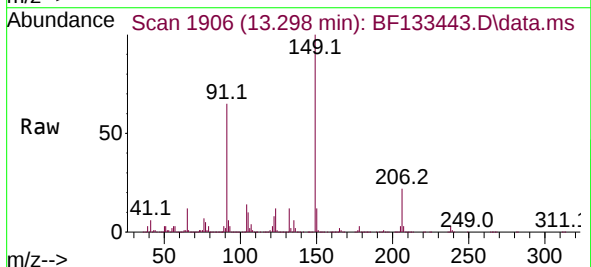
Manual Integrations
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Reviewed By :Christian
 Giraldo
 05/19/2023

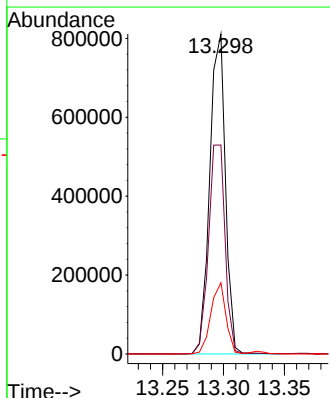
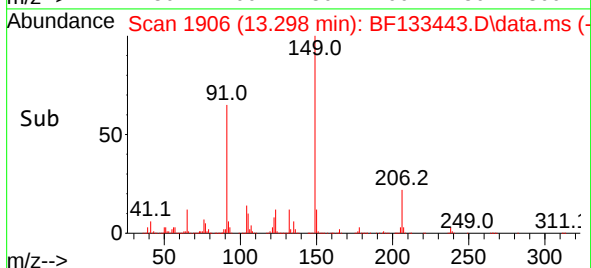
Supervised By :Jagrut
 Upadhyay
 05/19/2023

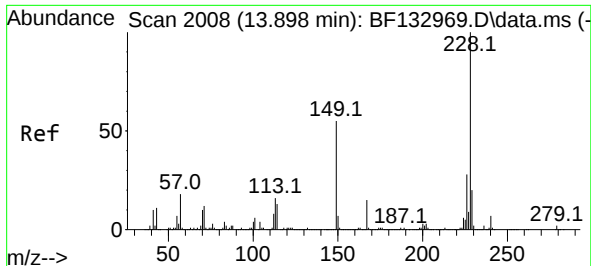


#80
 Butylbenzylphthalate
 Concen: 60.934 ng
 RT: 13.298 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: BF133443.D
 Acq: 18 May 2023 17:40



Tgt Ion:149 Resp: 729812
 Ion Ratio Lower Upper
 149 100
 91 65.3 53.8 80.6
 206 22.3 17.5 26.3





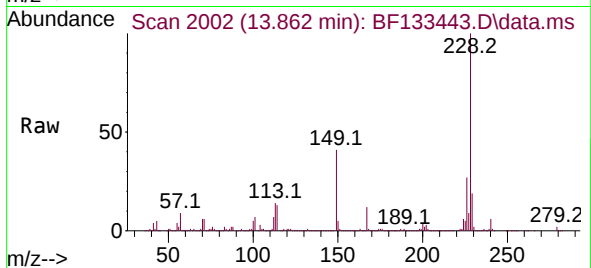
#81
Benzo(a)anthracene
Concen: 46.907 ng
RT: 13.862 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

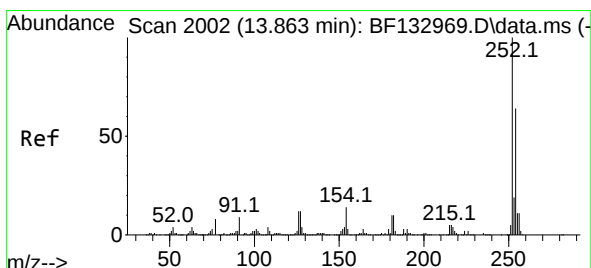
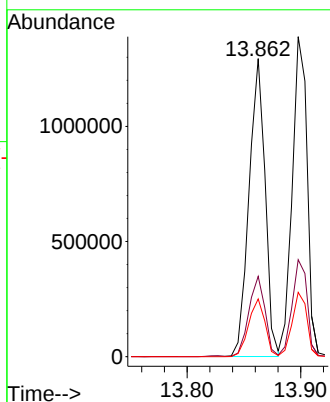
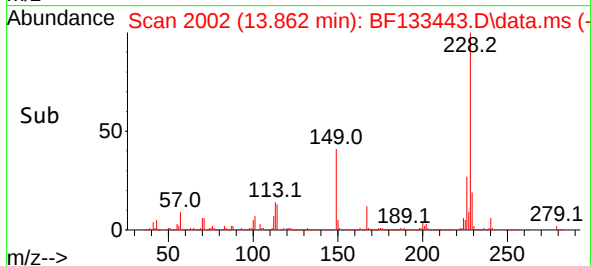


Tgt Ion:228 Resp: 127284
Ion Ratio Lower Upper
228 100
226 27.0 22.2 33.4
229 19.4 16.0 24.0

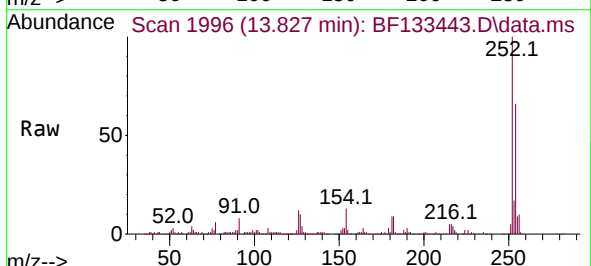
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
05/19/2023

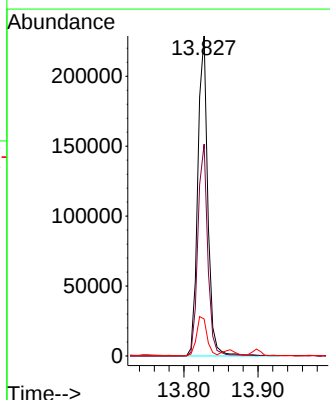
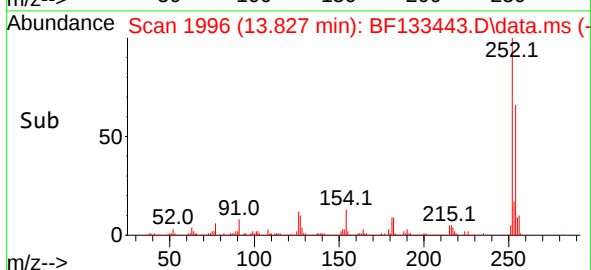
Supervised By :Jagrut
Upadhyay
05/19/2023

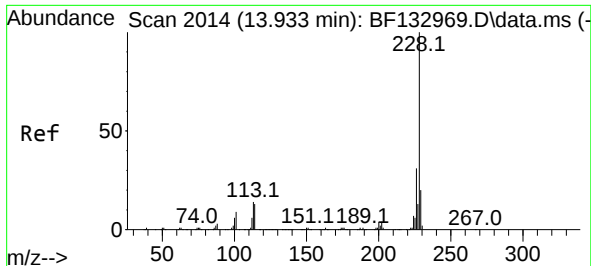


#82
3,3'-Dichlorobenzidine
Concen: 28.480 ng
RT: 13.827 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40



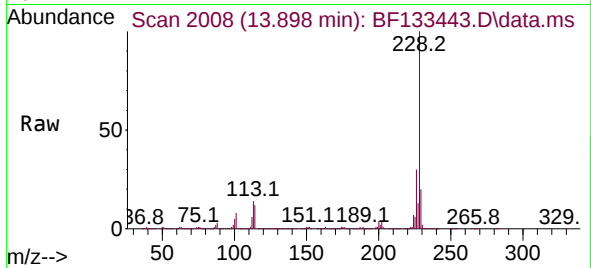
Tgt Ion:252 Resp: 213496
Ion Ratio Lower Upper
252 100
254 66.2 51.5 77.3
126 11.6 9.5 14.3





#83
Chrysene
Concen: 46.833 ng
RT: 13.898 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

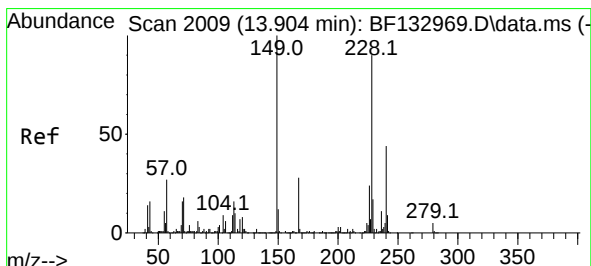
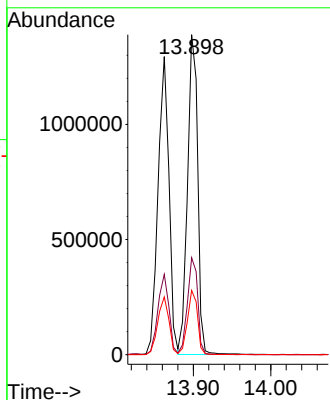
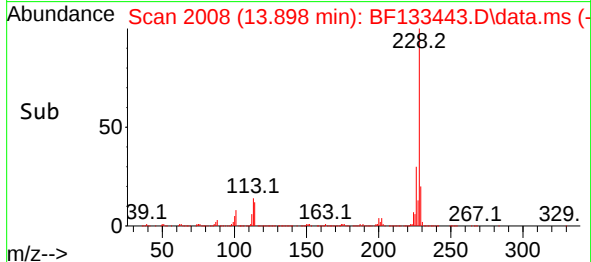
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



Tgt Ion:228 Resp: 127053
Ion Ratio Lower Upper
228 100
226 30.3 24.7 37.1
229 20.1 16.1 24.1

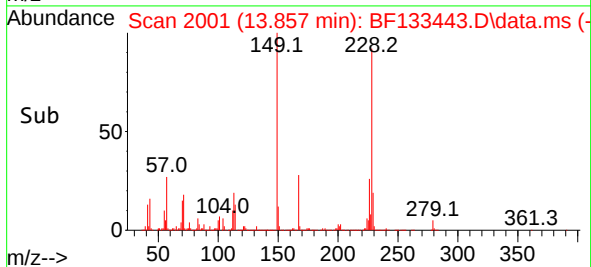
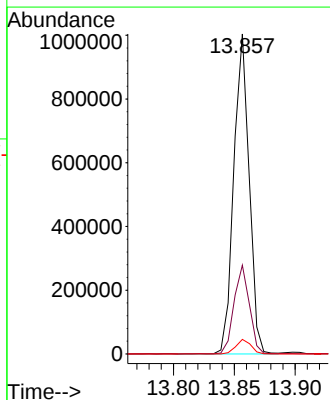
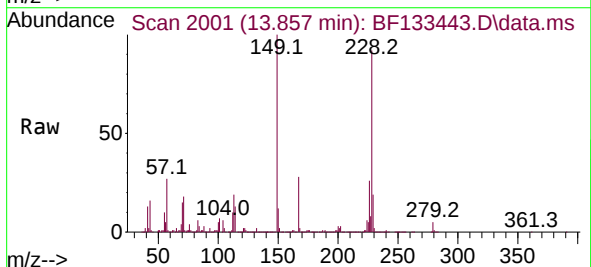
Manual Integrations
APPROVED

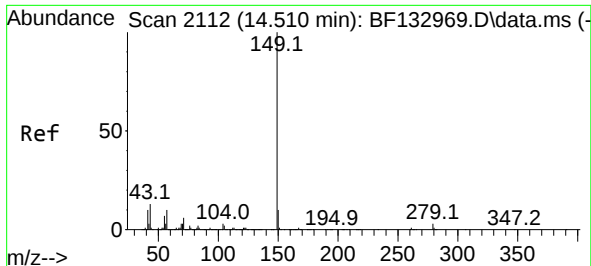
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 58.564 ng
RT: 13.857 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

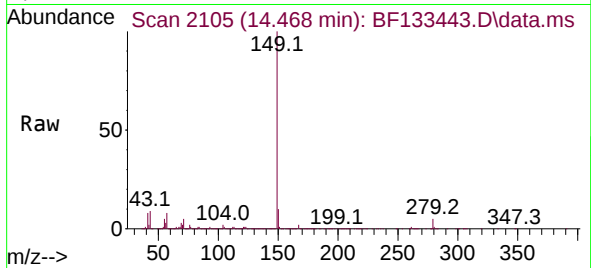
Tgt Ion:149 Resp: 880419
Ion Ratio Lower Upper
149 100
167 27.7 22.5 33.7
279 4.6 4.2 6.4





#85
Di-n-octyl phthalate
Concen: 59.582 ng
RT: 14.468 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

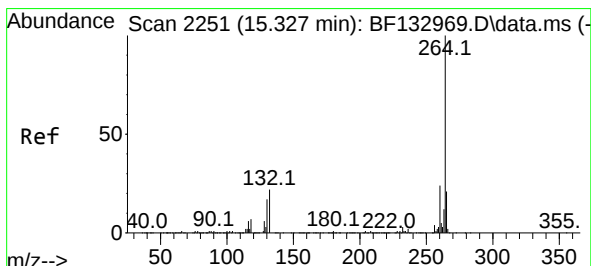
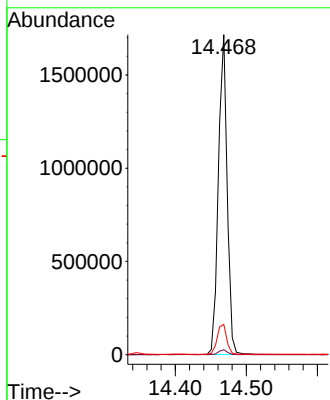
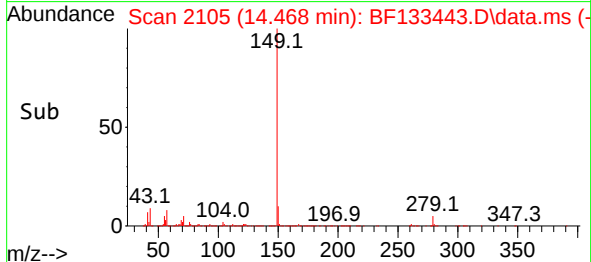
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



Tgt Ion:149 Resp: 1460529
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.2 9.5 14.3

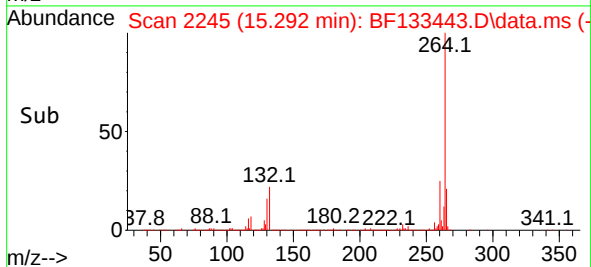
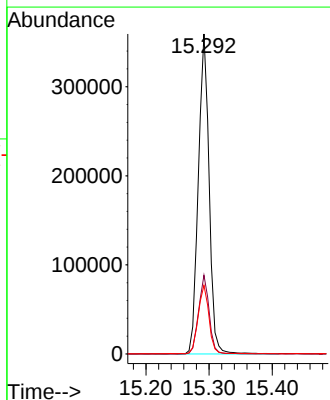
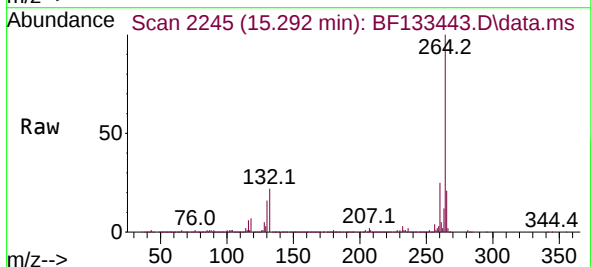
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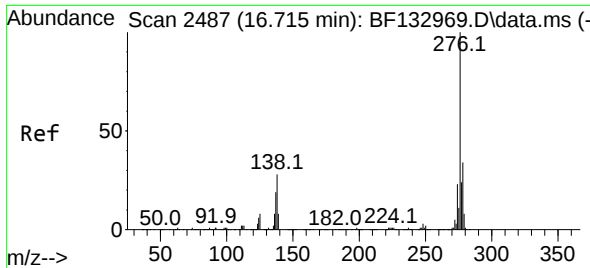
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

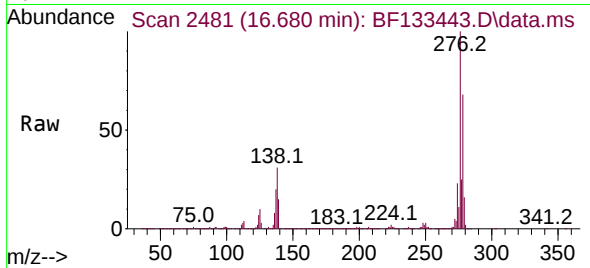
Tgt Ion:264 Resp: 426321
Ion Ratio Lower Upper
264 100
260 24.6 18.8 28.2
265 21.5 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 65.451 ng
RT: 16.680 min Scan# 2487
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

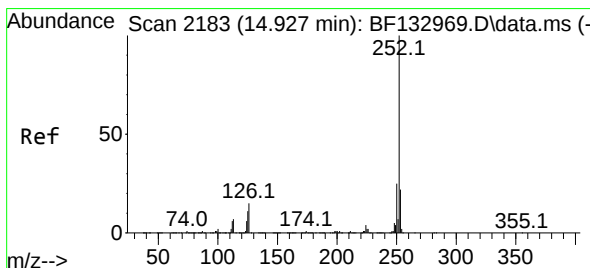
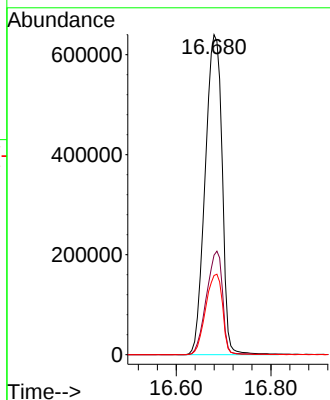
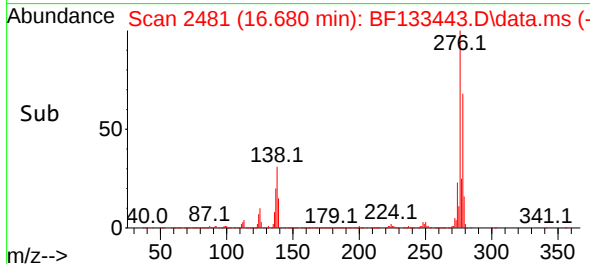
Instrument :
BNA_F
ClientSampleId :
SB-4MSD



Tgt Ion:276 Resp: 158718
Ion Ratio Lower Upper
276 100
138 30.9 25.5 38.3
277 25.2 20.4 30.6

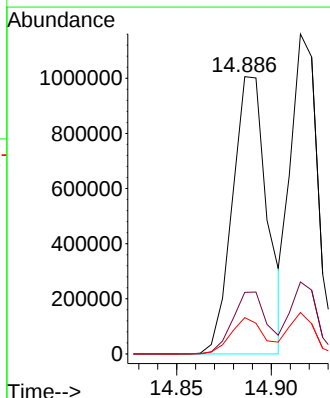
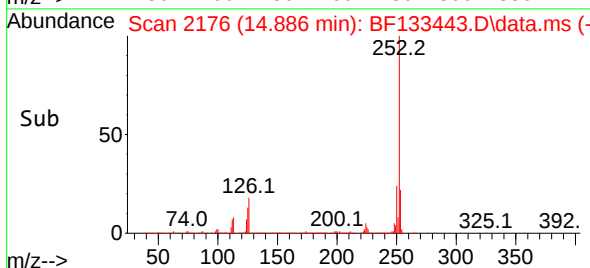
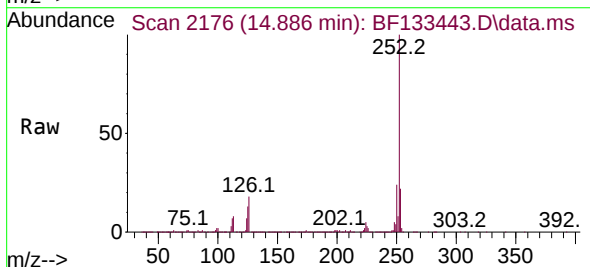
Manual Integrations
APPROVED

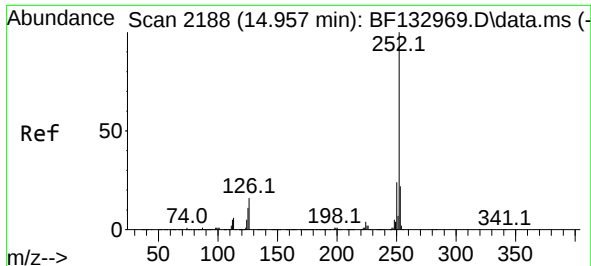
Reviewed By :Christian
Giraldo
05/19/2023
Supervised By :Jagrut
Upadhyay
05/19/2023



#88
Benzo(b)fluoranthene
Concen: 47.391 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Tgt Ion:252 Resp: 1285338
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 13.1 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 42.758 ng

RT: 14.915 min Scan# 2188

Delta R.T. -0.006 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

Tgt Ion:252 Resp: 1149579

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 12.9 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Christian

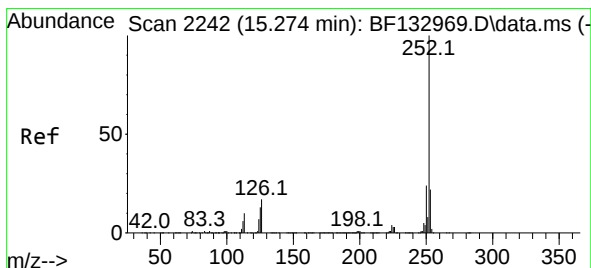
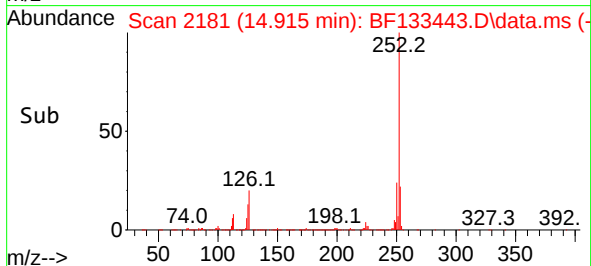
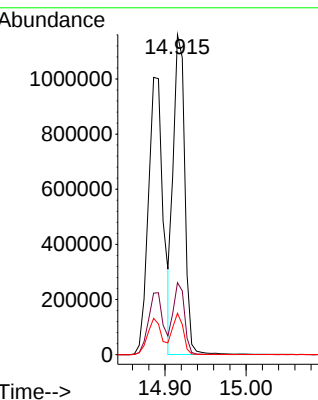
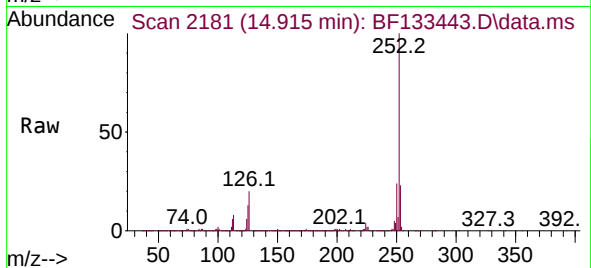
Giraldo

05/19/2023

Supervised By :Jagrut

Upadhyay

05/19/2023



#90

Benzo(a)pyrene

Concen: 45.809 ng

RT: 15.233 min Scan# 2235

Delta R.T. -0.006 min

Lab File: BF133443.D

Acq: 18 May 2023 17:40

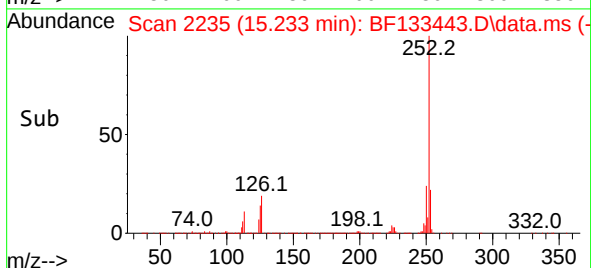
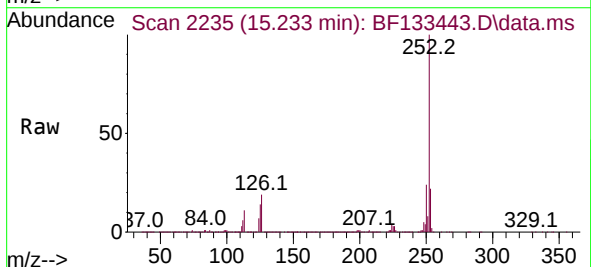
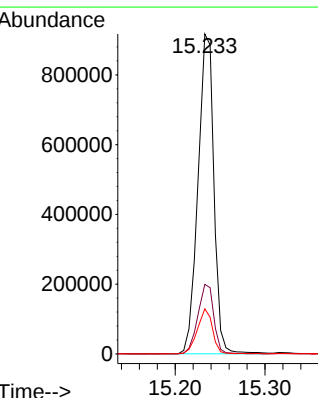
Tgt Ion:252 Resp: 1130879

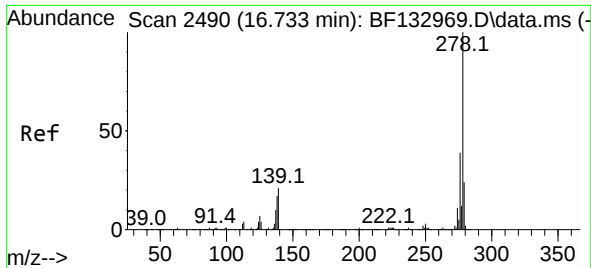
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 14.1 10.5 15.7





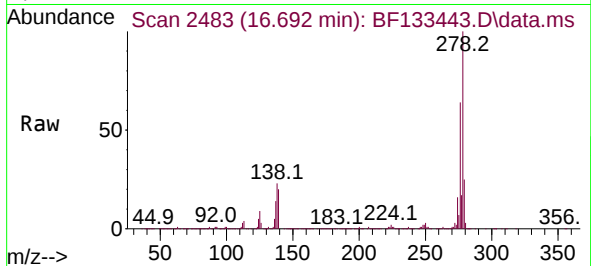
#91
Dibenzo(a,h)anthracene
Concen: 64.304 ng
RT: 16.692 min Scan# 2490
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40

Instrument :

BNA_F

ClientSampleId :

SB-4MSD

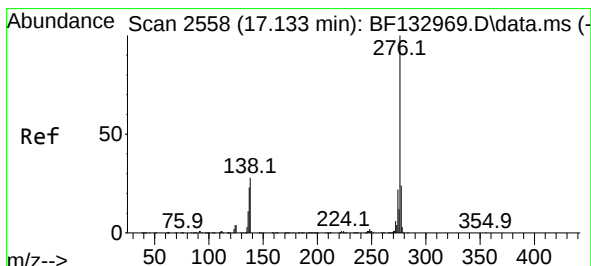
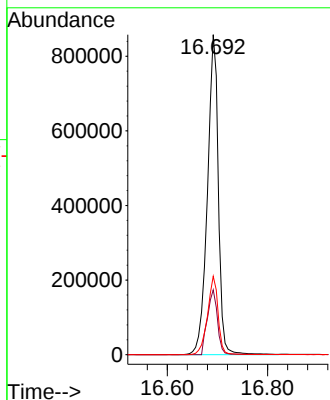
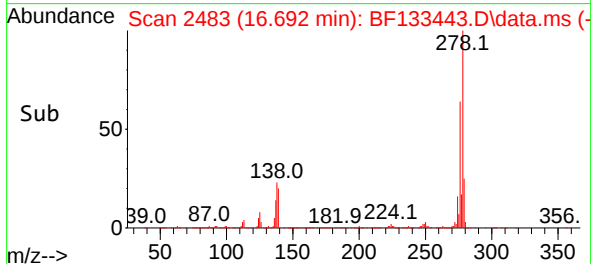


Tgt Ion:278 Resp: 130059
Ion Ratio Lower Upper
278 100
139 20.2 16.6 24.8
279 24.5 18.8 28.2

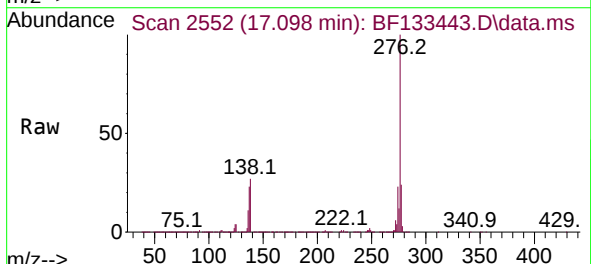
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
05/19/2023

Supervised By :Jagrut
Upadhyay
05/19/2023



#92
Benzo(g,h,i)perylene
Concen: 66.563 ng
RT: 17.098 min Scan# 2552
Delta R.T. -0.006 min
Lab File: BF133443.D
Acq: 18 May 2023 17:40



Tgt Ion:276 Resp: 1329118
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 26.8 22.7 34.1

