

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051023\
 Data File : BF133332.D
 Acq On : 10 May 2023 15:56
 Operator : CG\JU
 Sample : 02719-03MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04_0-2_20230509MSD

Quant Time: May 10 16:33:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/12/2023
 Supervised By : Jagrut Upadhyay 05/15/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	205454	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	842513	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	434600	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	750294	20.000	ng	# 0.00
76) Chrysene-d12	13.880	240	378835	20.000	ng	0.00
86) Perylene-d12	15.298	264	467442	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1619161	119.050	ng	0.02
7) Phenol-d6	6.375	99	1935631	114.661	ng	0.00
23) Nitrobenzene-d5	7.292	82	1233968	79.056	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	460177	105.286	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	2012863	77.485	ng	0.00
79) Terphenyl-d14	12.827	244	1980369	90.157	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.440	88	257131	40.759	ng	98
3) Pyridine	3.134	79	657513	39.242	ng	96
4) n-Nitrosodimethylamine	3.093	42	364056	41.948	ng	99
6) Aniline	6.387	93	609926	28.052	ng	# 5
8) 2-Chlorophenol	6.510	128	672081	48.669	ng	96
9) Benzaldehyde	6.269	77	458810	90.881	ng	98
10) Phenol	6.387	94	779564	41.860	ng	77
11) bis(2-Chloroethyl)ether	6.463	93	634718	45.418	ng	96
12) 1,3-Dichlorobenzene	6.663	146	699039	47.613	ng	99
13) 1,4-Dichlorobenzene	6.740	146	711591	48.361	ng	99
14) 1,2-Dichlorobenzene	6.893	146	667411	49.199	ng	97
15) Benzyl Alcohol	6.875	79	557493	47.808	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.004	45	1005132	41.410	ng	84
17) 2-Methylphenol	6.992	107	539517	42.667	ng	97
18) Hexachloroethane	7.234	117	249233	48.719	ng	95
19) n-Nitroso-di-n-propyla...	7.145	70	430084	40.923	ng	97
20) 3+4-Methylphenols	7.145	107	662901	44.516	ng	# 78
22) Acetophenone	7.134	105	901870	46.211	ng	# 94
24) Nitrobenzene	7.310	77	674021	42.614	ng	98
25) Isophorone	7.551	82	1263546	42.636	ng	99
26) 2-Nitrophenol	7.628	139	375252	49.188	ng	95
27) 2,4-Dimethylphenol	7.675	122	600997	45.943	ng	99
28) bis(2-Chloroethoxy)met...	7.763	93	763399	43.543	ng	99
29) 2,4-Dichlorophenol	7.875	162	552300	46.378	ng	97
30) 1,2,4-Trichlorobenzene	7.951	180	567267	45.980	ng	99
31) Naphthalene	8.034	128	1838796	43.653	ng	100
33) 4-Chloroaniline	8.081	127	350018	20.566	ng	99
34) Hexachlorobutadiene	8.151	225	307151	44.919	ng	99
35) Caprolactam	8.451	113	174351m	43.582	ng	
36) 4-Chloro-3-methylphenol	8.575	107	589085	45.872	ng	99
37) 2-Methylnaphthalene	8.722	142	1225180	42.543	ng	99
38) 1-Methylnaphthalene	8.822	142	1139369	42.292	ng	99
40) 1,2,4,5-Tetrachloroben...	8.892	216	504437	43.169	ng	99
41) Hexachlorocyclopentadiene	8.875	237	562657	82.564	ng	99
43) 2,4,6-Trichlorophenol	9.004	196	358893	44.411	ng	99
44) 2,4,5-Trichlorophenol	9.051	196	381763	40.848	ng	96

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Instrument :
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 ClientSampleId :
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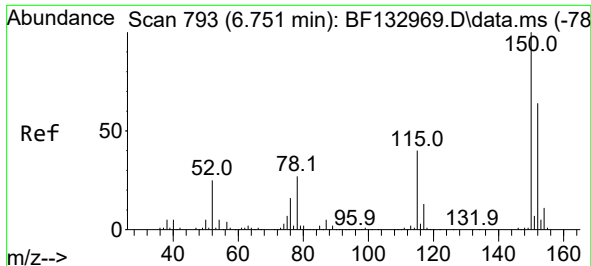
Quant Time: May 10 16:33:05 2023
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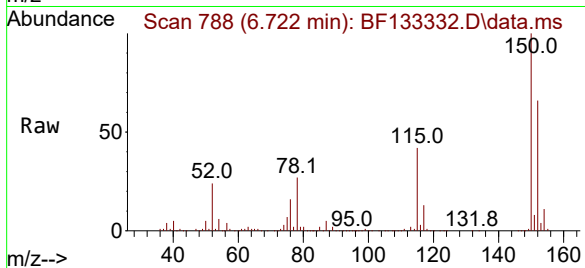
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.186	154	1506898	43.727	ng	99
47) 2-Chloronaphthalene	9.210	162	1140343	45.209	ng	99
48) 2-Nitroaniline	9.310	65	369641	44.341	ng	99
49) Acenaphthylene	9.622	152	1768873	43.889	ng	100
50) Dimethylphthalate	9.492	163	1339929	44.216	ng	99
51) 2,6-Dinitrotoluene	9.551	165	312854	45.869	ng	93
52) Acenaphthene	9.798	154	1128406m	41.803	ng	
53) 3-Nitroaniline	9.722	138	249770	30.798	ng	97
54) 2,4-Dinitrophenol	9.828	184	82675	24.115	ng	97
55) Dibenzofuran	9.969	168	1554091	42.206	ng	98
56) 4-Nitrophenol	9.898	139	445303	70.894	ng	98
57) 2,4-Dinitrotoluene	9.957	165	394112	45.310	ng	94
58) Fluorene	10.310	166	1179415	43.719	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.092	232	272023	37.543	ng	99
60) Diethylphthalate	10.186	149	1265053	44.196	ng	99
61) 4-Chlorophenyl-phenyle...	10.304	204	560494	42.634	ng	98
62) 4-Nitroaniline	10.339	138	352958	47.353	ng	97
63) Azobenzene	10.463	77	1320202	43.539	ng	99
65) 4,6-Dinitro-2-methylph...	10.363	198	119012	26.170	ng	77
66) n-Nitrosodiphenylamine	10.422	169	1076247	44.222	ng	100
67) 4-Bromophenyl-phenylether	10.792	248	357207	43.897	ng	99
68) Hexachlorobenzene	10.857	284	380747	45.663	ng	93
69) Atrazine	10.951	200	368389	52.531	ng	97
70) Pentachlorophenol	11.057	266	233253	39.278	ng	97
71) Phenanthrene	11.269	178	1772127	43.945	ng	99
72) Anthracene	11.322	178	1817904	44.050	ng	99
73) Carbazole	11.480	167	1623844	44.189	ng	100
74) Di-n-butylphthalate	11.810	149	1934581	46.521	ng	100
75) Fluoranthene	12.457	202	1678728	41.479	ng	98
77) Benzidine	12.580	184	753357	117.596	ng	# 93
78) Pyrene	12.686	202	1679157	51.706	ng	100
80) Butylbenzylphthalate	13.304	149	677163	58.891	ng	95
81) Benzo(a)anthracene	13.869	228	1133675	43.517	ng	100
82) 3,3'-Dichlorobenzidine	13.833	252	176524	24.528	ng	99
83) Chrysene	13.904	228	1129932	43.384	ng	100
84) Bis(2-ethylhexyl)phtha...	13.869	149	768625	53.256	ng	99
85) Di-n-octyl phthalate	14.480	149	1391916	59.146	ng	97
87) Indeno(1,2,3-cd)pyrene	16.692	276	1537235	57.815	ng	99
88) Benzo(b)fluoranthene	14.898	252	1278822	43.003	ng	99
89) Benzo(k)fluoranthene	14.927	252	1223877	41.517	ng	99
90) Benzo(a)pyrene	15.245	252	1170404	43.240	ng	100
91) Dibenzo(a,h)anthracene	16.704	278	1265570	57.068	ng	99
92) Benzo(g,h,i)perylene	17.109	276	1270491	58.029	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

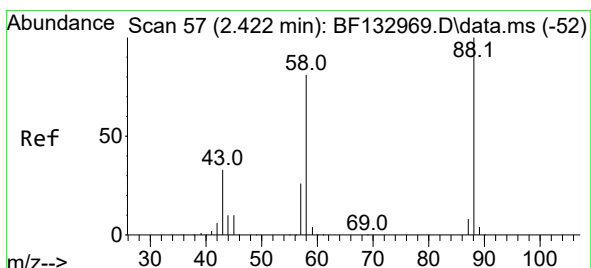
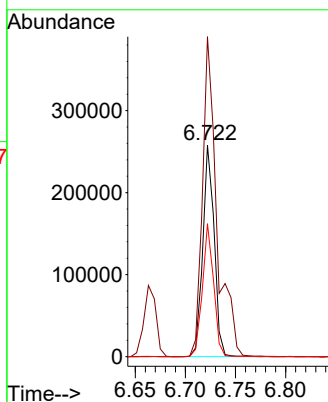
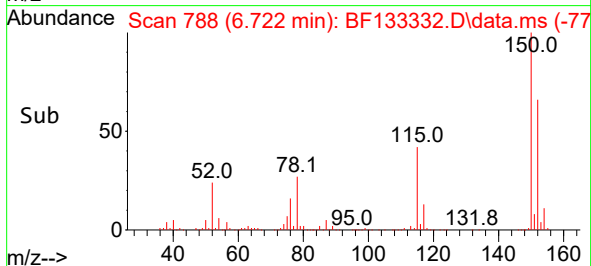
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:152 Resp: 205454
Ion Ratio Lower Upper
152 100
150 151.3 124.8 187.2
115 62.9 49.9 74.9

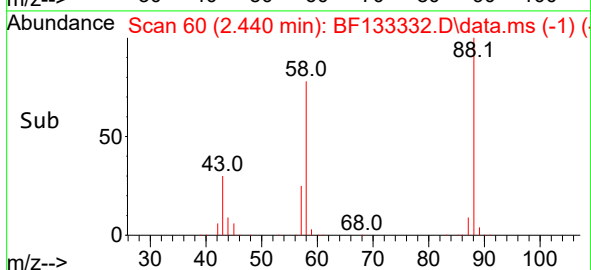
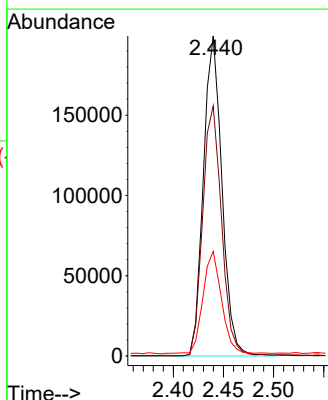
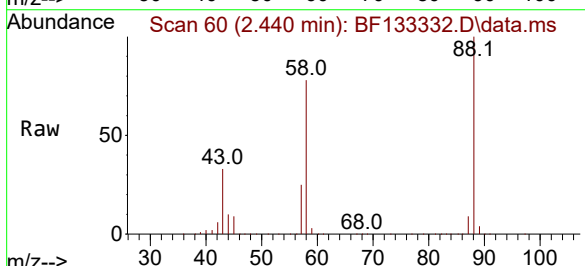
Manual Integrations
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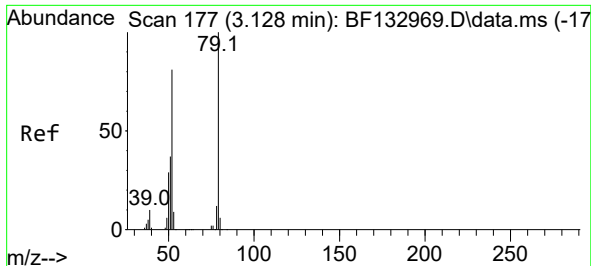
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#2
1,4-Dioxane
Concen: 40.759 ng
RT: 2.440 min Scan# 60
Delta R.T. 0.071 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

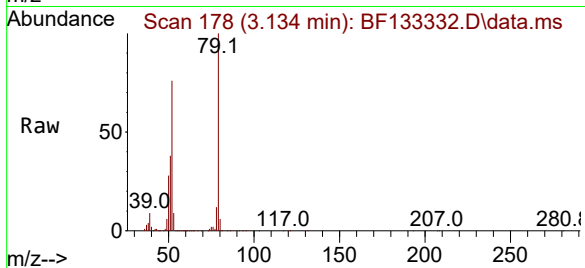
Tgt Ion: 88 Resp: 257131
Ion Ratio Lower Upper
88 100
58 78.9 64.7 97.1
43 32.3 26.2 39.2





#3
Pyridine
Concen: 39.242 ng
RT: 3.134 min Scan# 11
Delta R.T. 0.071 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

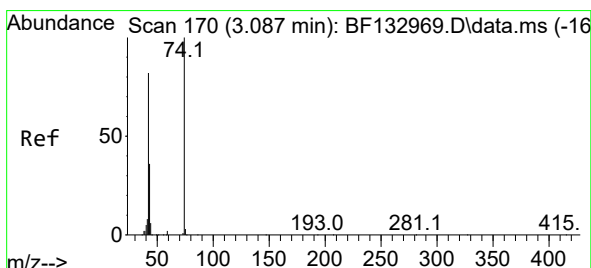
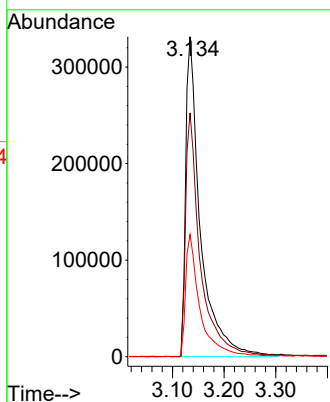
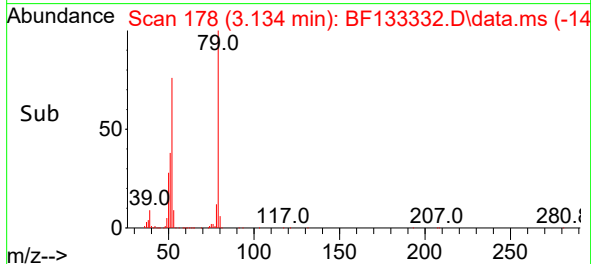
Instrument :
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ClientSampleId :
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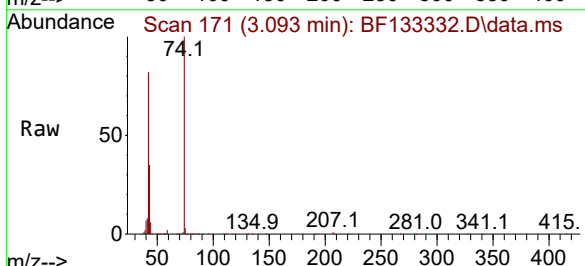
Tgt Ion: 79 Resp: 65751
Ion Ratio Lower Upper
79 100
52 76.2 64.6 96.8
51 38.2 30.0 45.0

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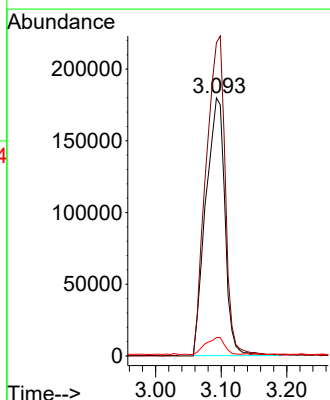
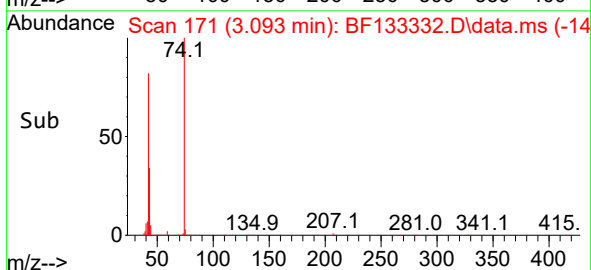
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

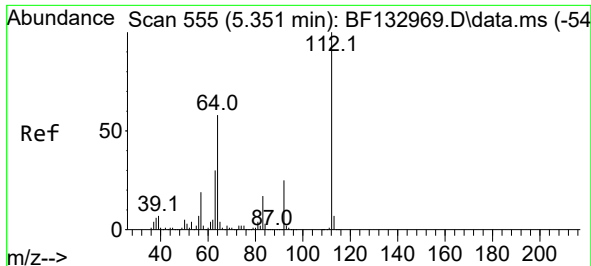


#4
n-Nitrosodimethylamine
Concen: 41.948 ng
RT: 3.093 min Scan# 171
Delta R.T. 0.059 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56



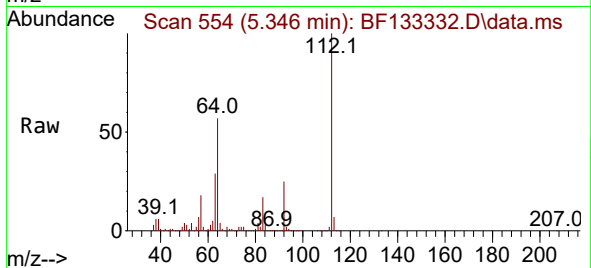
Tgt Ion: 42 Resp: 364056
Ion Ratio Lower Upper
42 100
74 121.3 98.0 147.0
44 7.1 5.8 8.8





#5
2-Fluorophenol
Concen: 119.050 ng
RT: 5.346 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

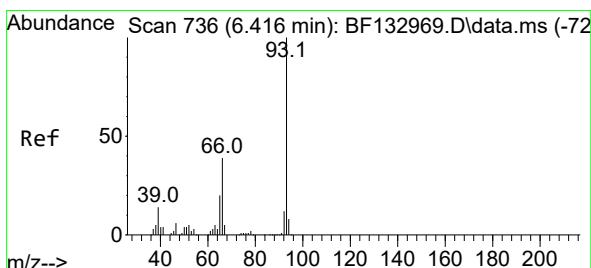
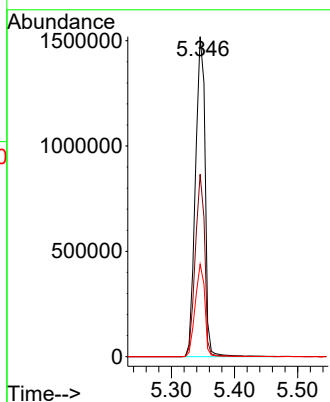
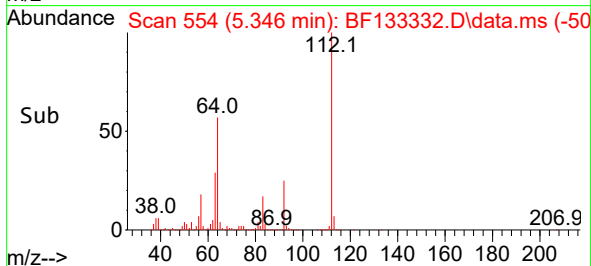
Instrument :
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ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:112 Resp: 161916
Ion Ratio Lower Upper
112 100
64 57.0 46.8 70.2
63 28.9 23.8 35.8

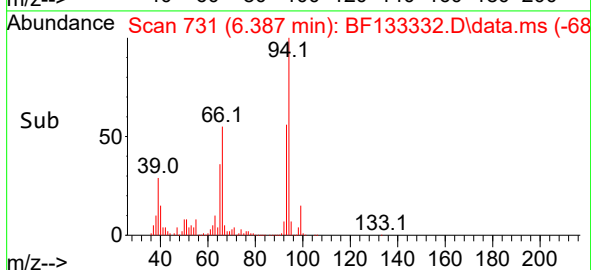
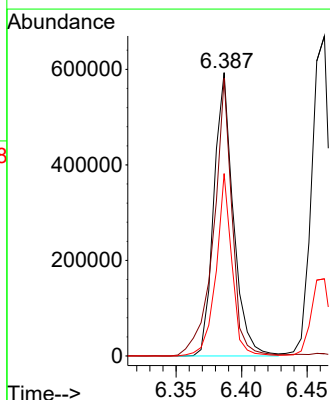
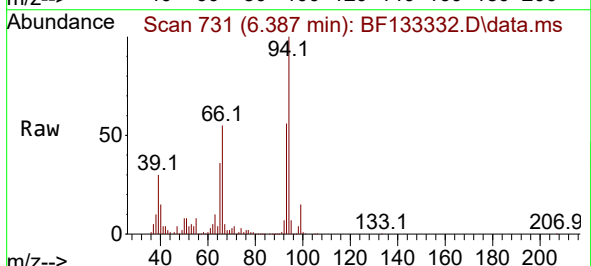
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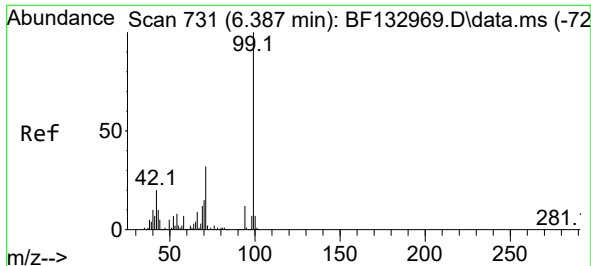
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#6
Aniline
Concen: 28.052 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion: 93 Resp: 609926
Ion Ratio Lower Upper
93 100
66 98.0 31.5 47.3#
65 64.4 16.4 24.6#





#7

Phenol-d6

Concen: 114.661 ng

RT: 6.375 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF133332.D

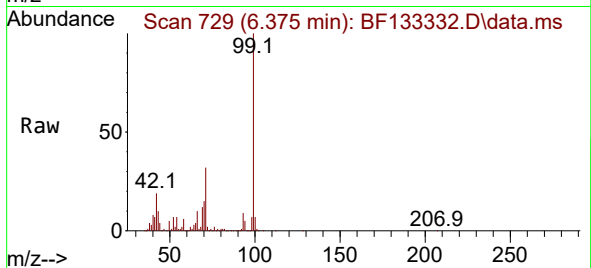
Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD



Tgt Ion: 99 Resp: 193563

Ion Ratio Lower Upper

99 100

42 18.9 16.3 24.5

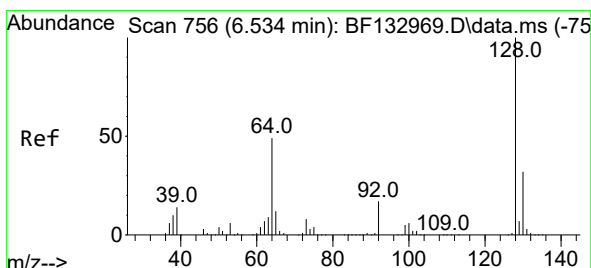
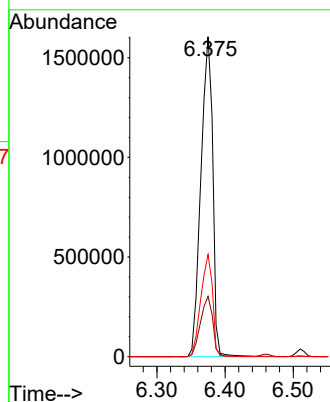
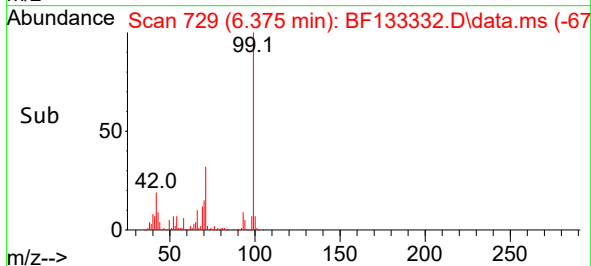
71 31.9 25.6 38.4

Manual Integrations

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#8

2-Chlorophenol

Concen: 48.669 ng

RT: 6.510 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

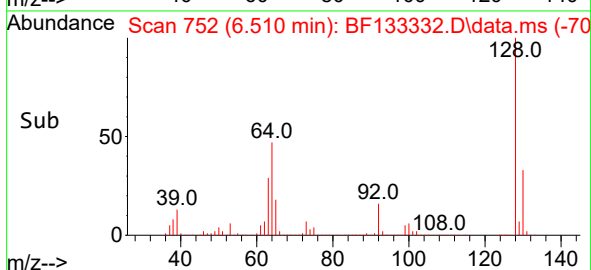
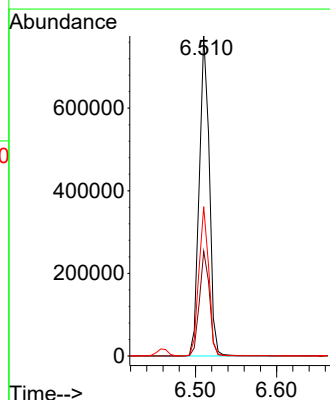
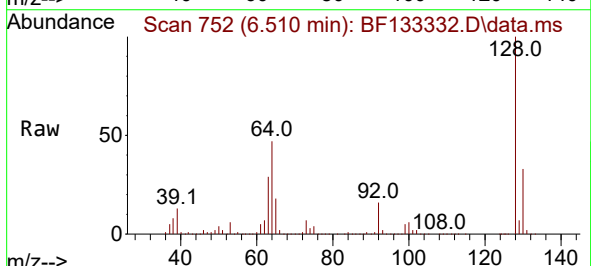
Tgt Ion:128 Resp: 672081

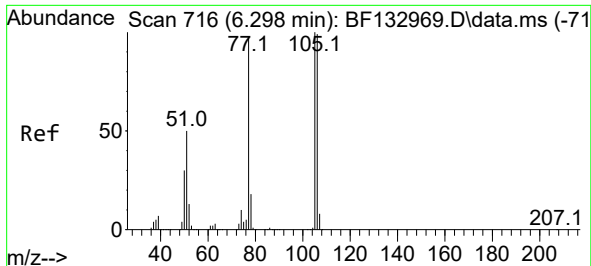
Ion Ratio Lower Upper

128 100

130 32.8 12.2 52.2

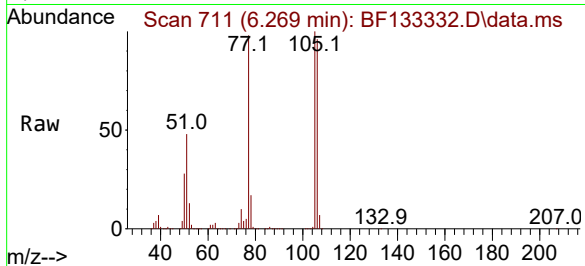
64 46.7 30.3 70.3





#9
Benzaldehyde
Concen: 90.881 ng
RT: 6.269 min Scan# 716
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

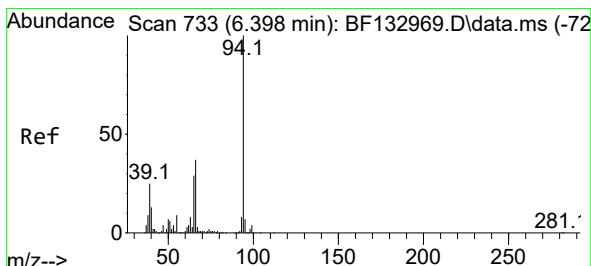
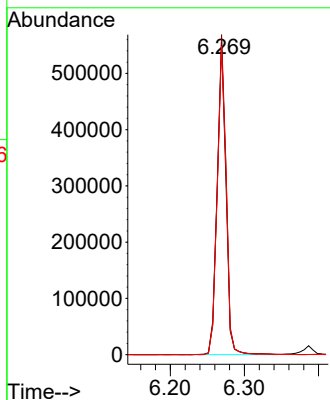
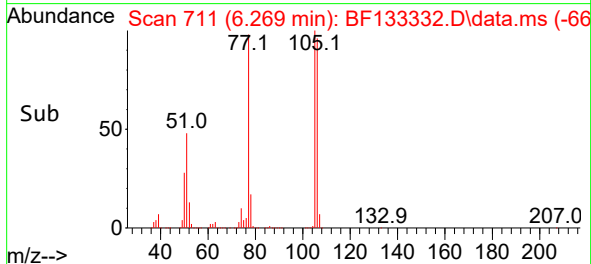
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion: 77 Resp: 458810
Ion Ratio Lower Upper
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105 101.7 82.3 122.3
106 98.0 80.8 120.8

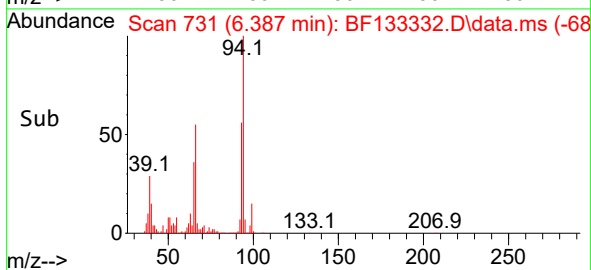
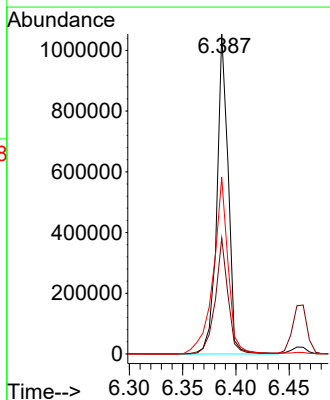
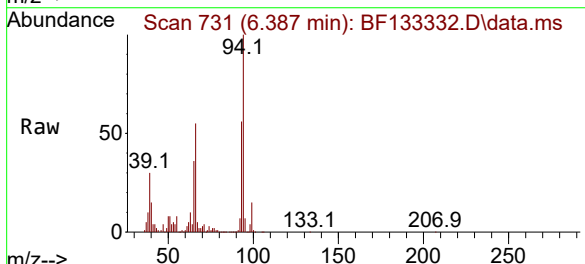
Manual Integrations
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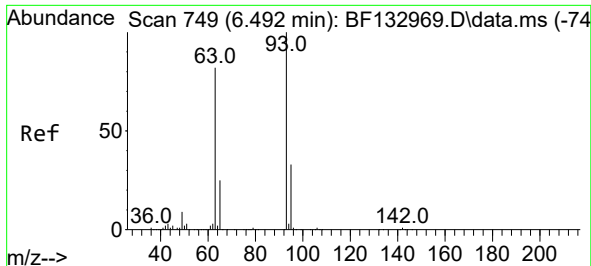
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#10
Phenol
Concen: 41.860 ng
RT: 6.387 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

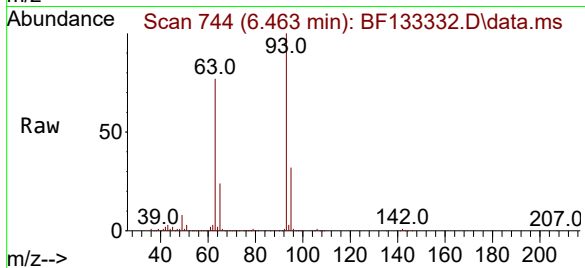
Tgt Ion: 94 Resp: 779564
Ion Ratio Lower Upper
94 100
65 36.2 8.6 48.6
66 55.2 17.3 57.3





#11
bis(2-Chloroethyl)ether
Concen: 45.418 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

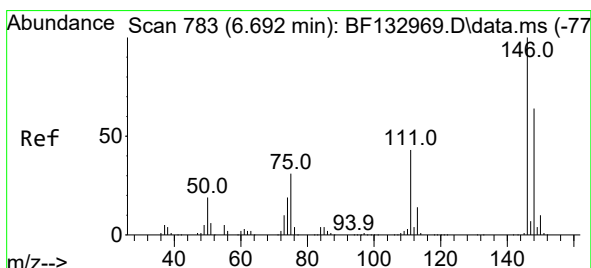
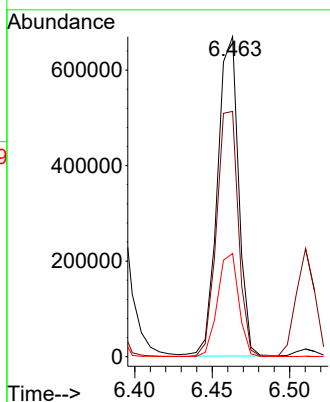
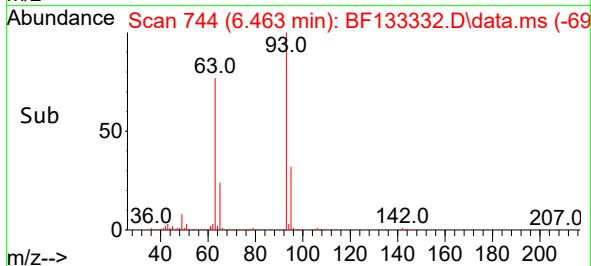
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



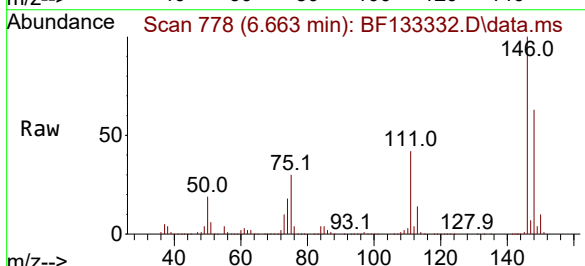
Tgt Ion: 93 Resp: 634718
Ion Ratio Lower Upper
93 100
63 76.7 60.6 100.6
95 32.2 12.9 52.9

Manual Integrations
APPROVED

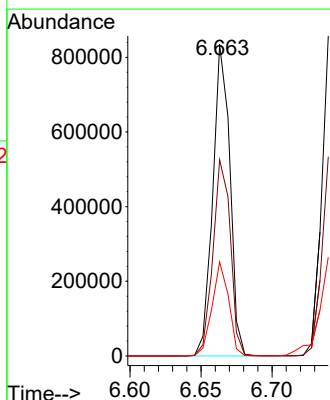
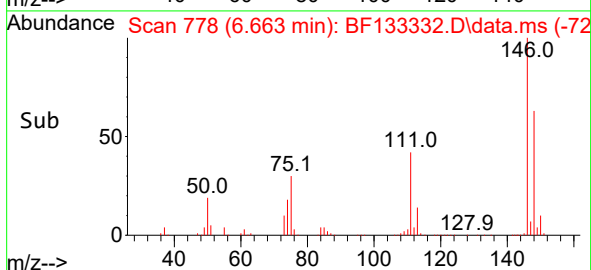
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

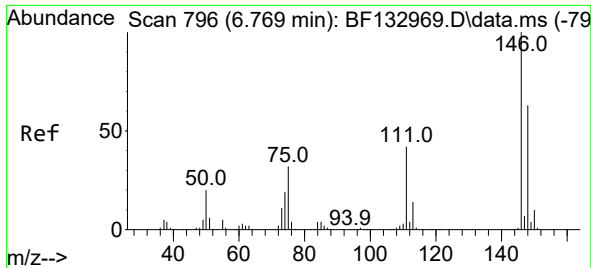


#12
1,3-Dichlorobenzene
Concen: 47.613 ng
RT: 6.663 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56



Tgt Ion:146 Resp: 699039
Ion Ratio Lower Upper
146 100
148 63.0 51.0 76.4
75 30.2 24.8 37.2





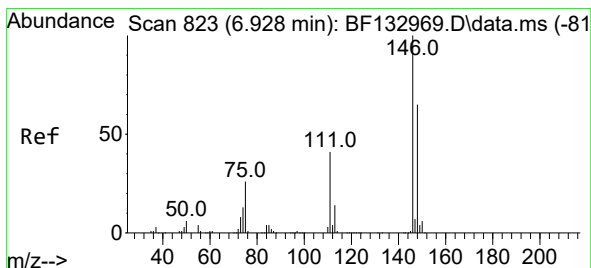
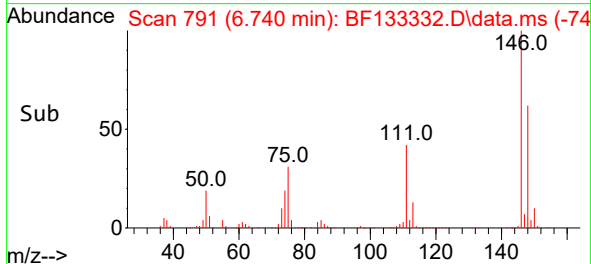
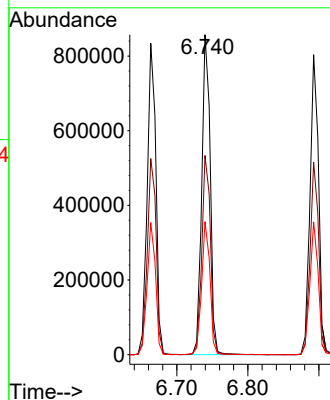
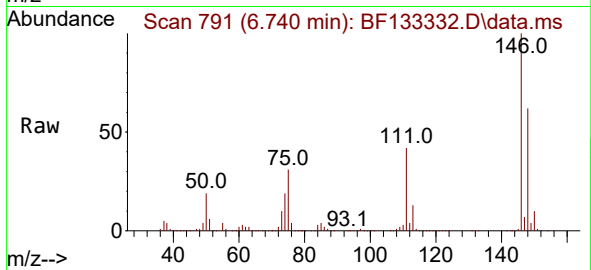
#13
1,4-Dichlorobenzene
Concen: 48.361 ng
RT: 6.740 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

Tgt Ion:146 Resp: 71159
Ion Ratio Lower Upper
146 100
148 62.3 50.3 75.5
111 41.6 33.8 50.6

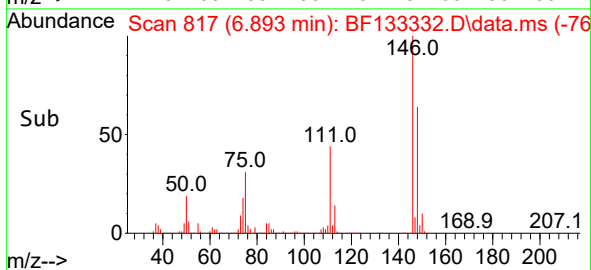
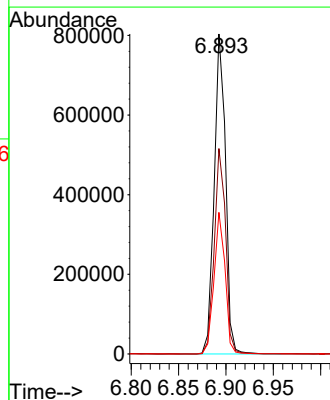
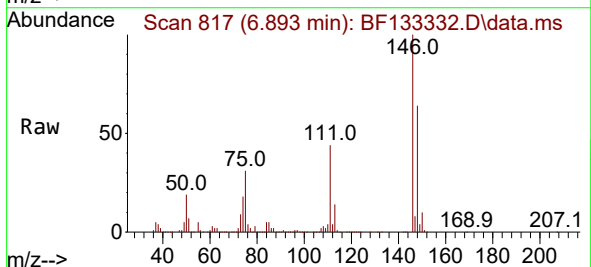
Manual Integrations
APPROVED

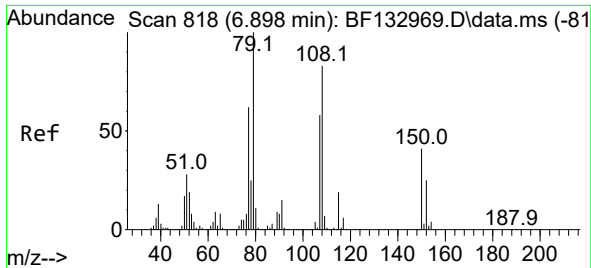
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#14
1,2-Dichlorobenzene
Concen: 49.199 ng
RT: 6.893 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

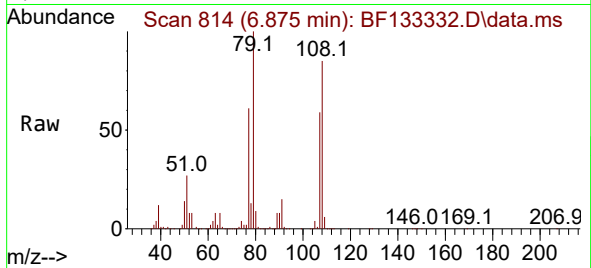
Tgt Ion:146 Resp: 667411
Ion Ratio Lower Upper
146 100
148 64.2 52.2 78.2
111 44.3 32.8 49.2





#15
Benzyl Alcohol
Concen: 47.808 ng
RT: 6.875 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

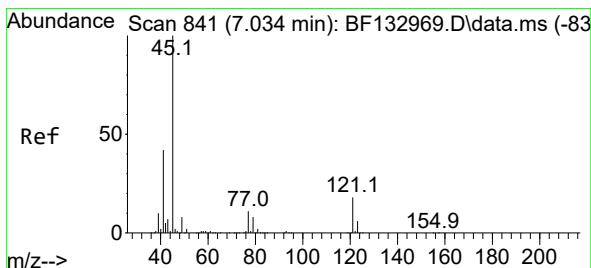
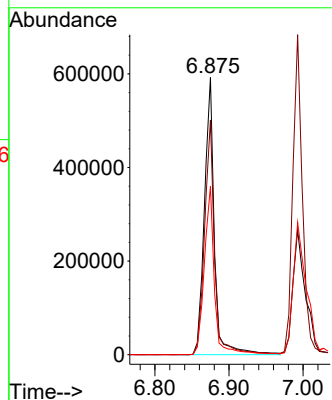
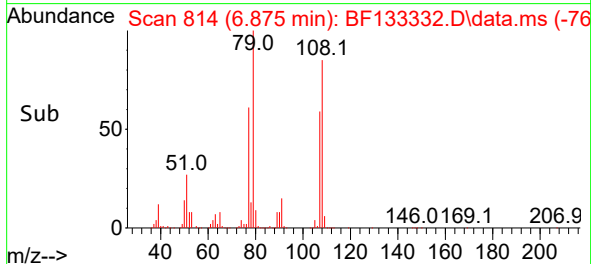
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion: 79 Resp: 55749
Ion Ratio Lower Upper
79 100
108 84.7 66.6 99.8
77 60.8 49.2 73.8

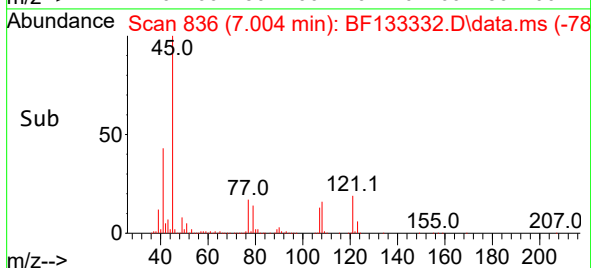
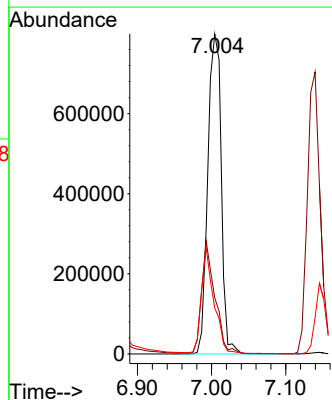
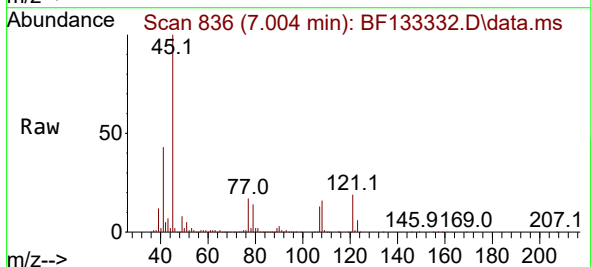
Manual Integrations
APPROVED

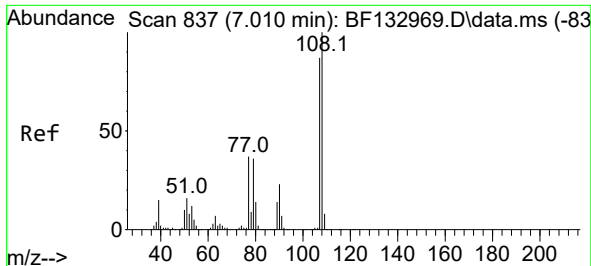
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.410 ng
RT: 7.004 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

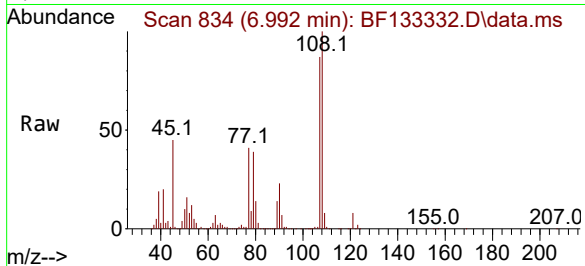
Tgt Ion: 45 Resp: 1005132
Ion Ratio Lower Upper
45 100
77 17.5 0.0 31.5
79 14.3 0.0 28.7





#17
2-Methylphenol
Concen: 42.667 ng
RT: 6.992 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

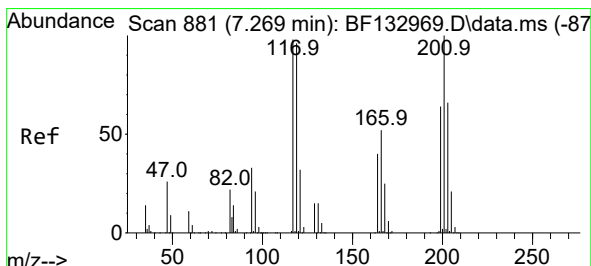
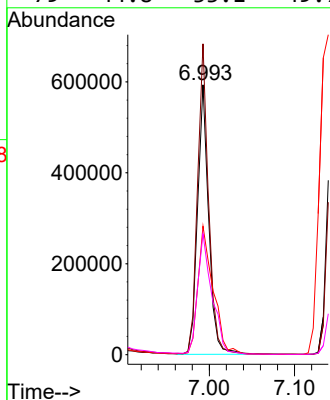
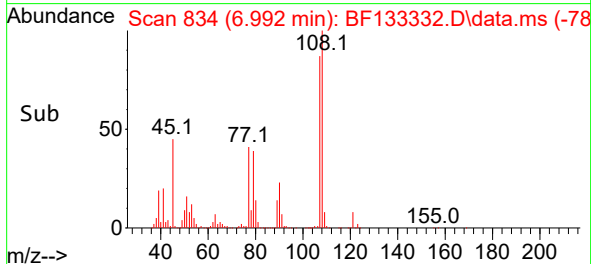
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:	107	Resp:	53951
Ion	Ratio	Lower	Upper
107	100		
108	115.2	92.4	138.6
77	47.6	33.8	50.8
79	44.8	33.1	49.7

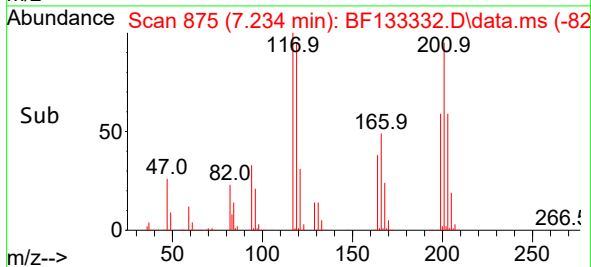
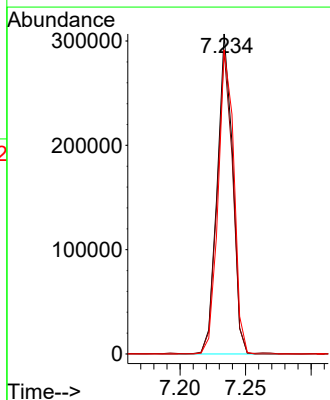
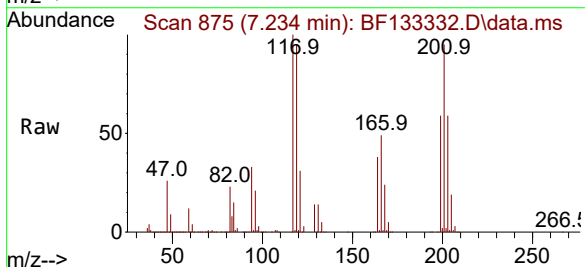
Manual Integrations
APPROVED

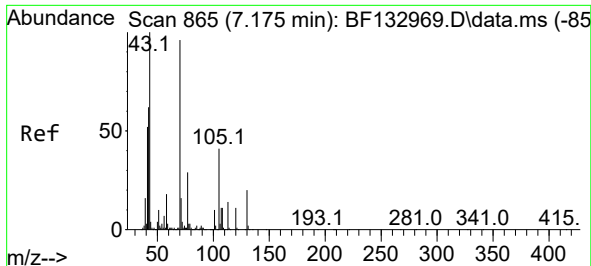
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#18
Hexachloroethane
Concen: 48.719 ng
RT: 7.234 min Scan# 875
Delta R.T. -0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

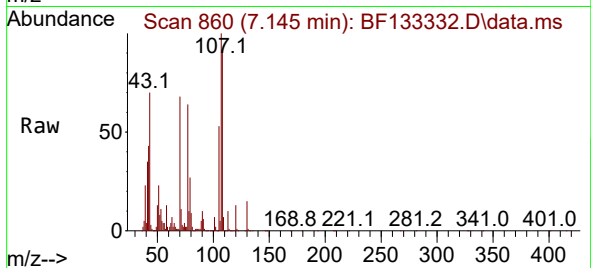
Tgt Ion:	117	Resp:	249233
Ion	Ratio	Lower	Upper
117	100		
119	94.7	78.2	117.4
201	95.1	81.7	122.5





#19
n-Nitroso-di-n-propylamine
Concen: 40.923 ng
RT: 7.145 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

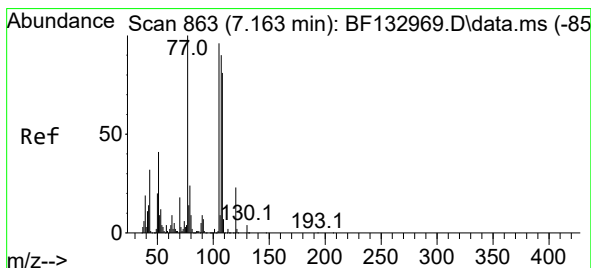
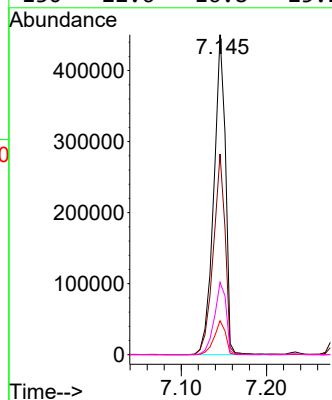
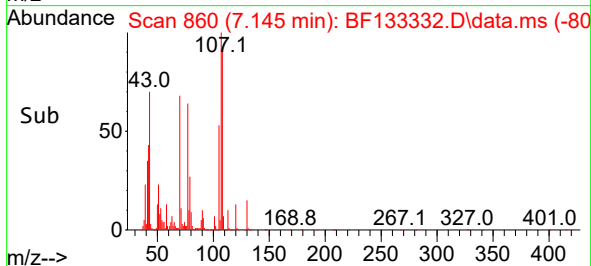
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion: 70 Resp: 430084
Ion Ratio Lower Upper
70 100
42 62.7 51.8 77.6
101 10.6 8.0 12.0
130 22.6 16.8 25.2

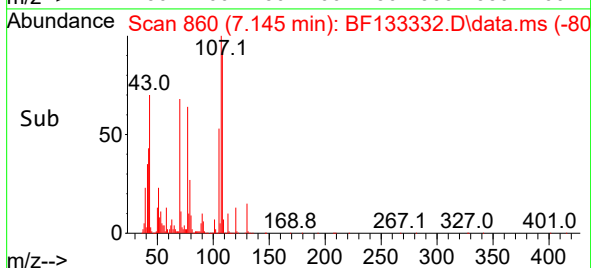
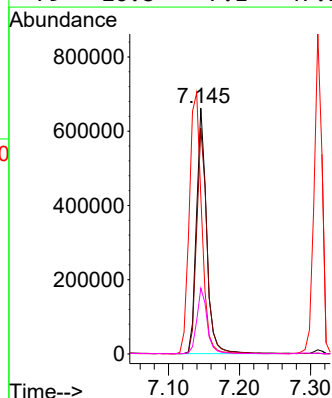
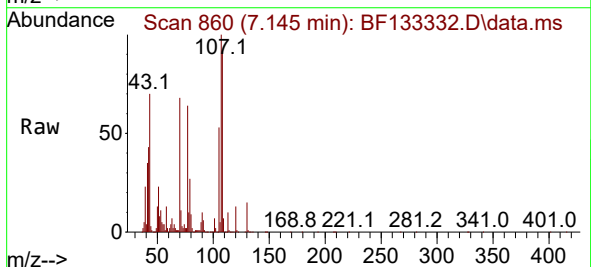
Manual Integrations
APPROVED

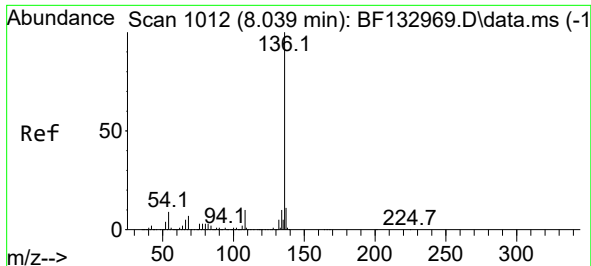
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#20
3+4-Methylphenols
Concen: 44.516 ng
RT: 7.145 min Scan# 860
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

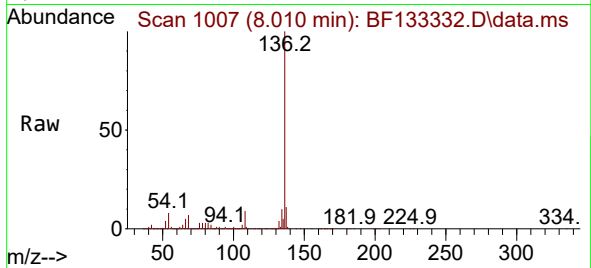
Tgt Ion:107 Resp: 662901
Ion Ratio Lower Upper
107 100
108 91.9 70.5 110.5
77 63.9 91.7 131.7#
79 26.8 7.1 47.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

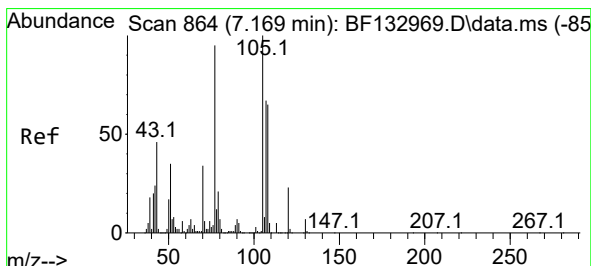
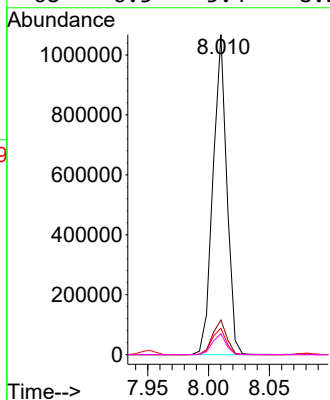
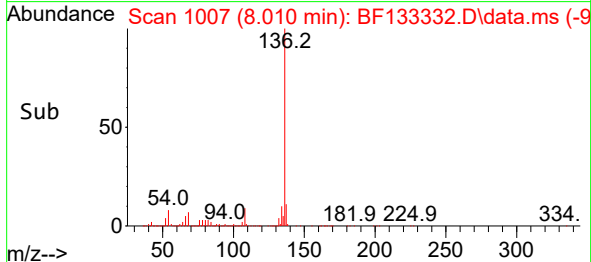
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:136 Resp: 842511
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.0 10.4
68 6.5 5.4 8.2

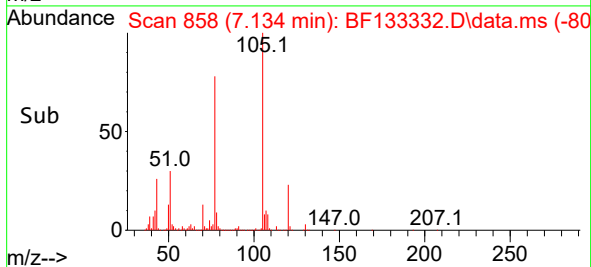
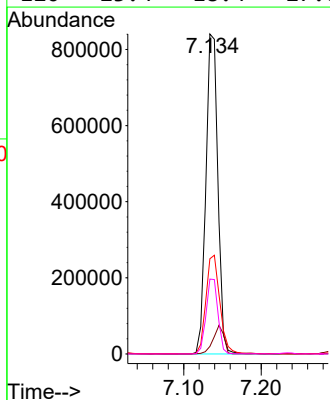
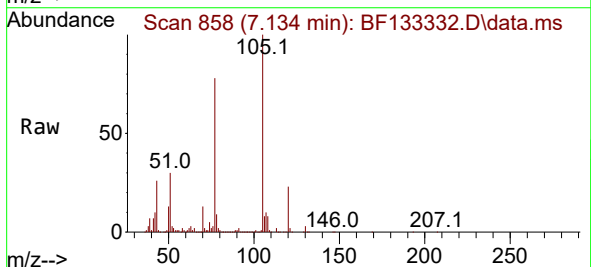
Manual Integrations
APPROVED

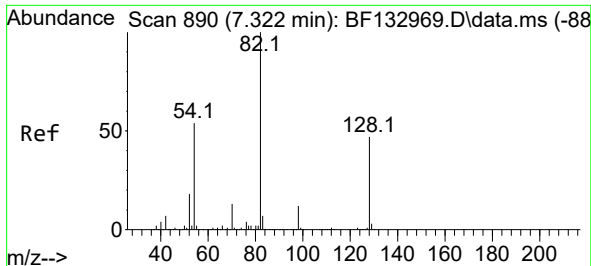
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#22
Acetophenone
Concen: 46.211 ng
RT: 7.134 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:105 Resp: 901870
Ion Ratio Lower Upper
105 100
71 2.3 4.6 7.0#
51 29.8 28.2 42.2
120 23.4 18.4 27.6





#23

Nitrobenzene-d5

Concen: 79.056 ng

RT: 7.292 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

Tgt Ion: 82 Resp: 123396

Ion Ratio Lower Upper

82 100

128 47.9 37.7 56.5

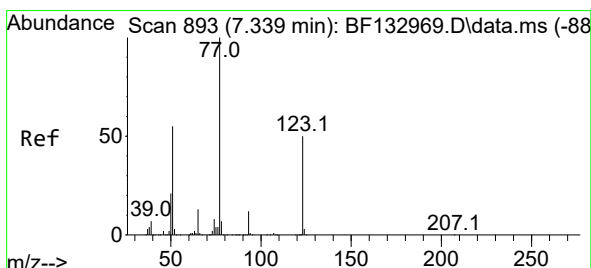
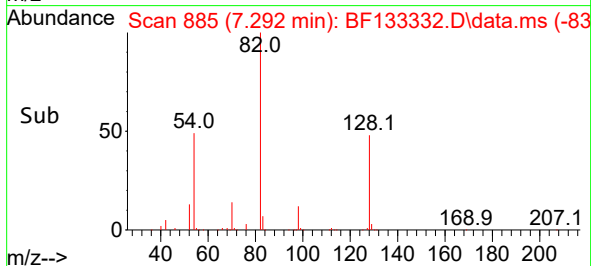
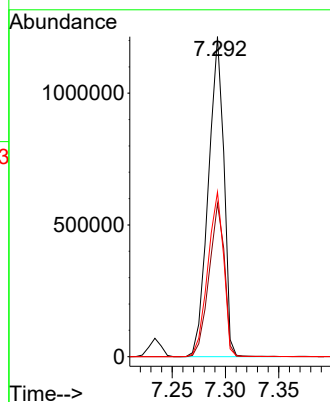
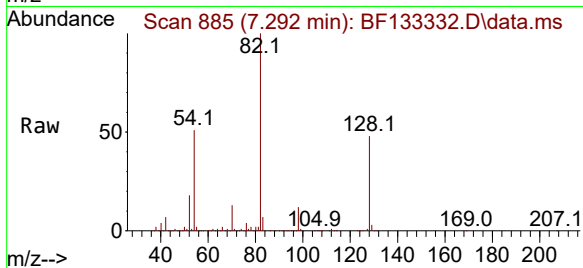
54 51.4 43.0 64.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#24

Nitrobenzene

Concen: 42.614 ng

RT: 7.310 min Scan# 888

Delta R.T. -0.006 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

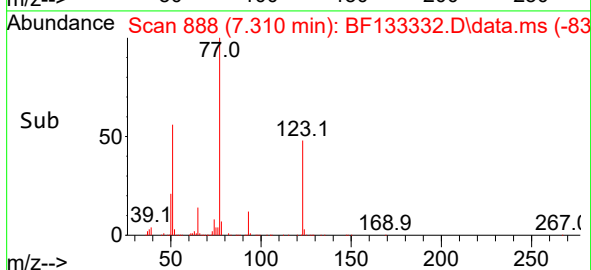
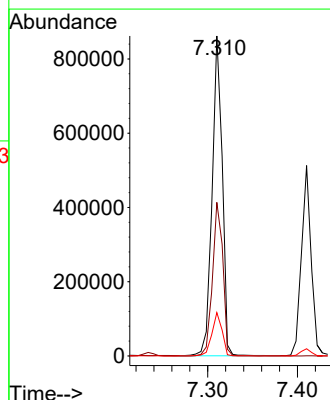
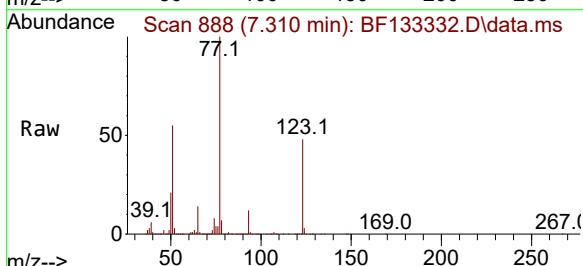
Tgt Ion: 77 Resp: 674021

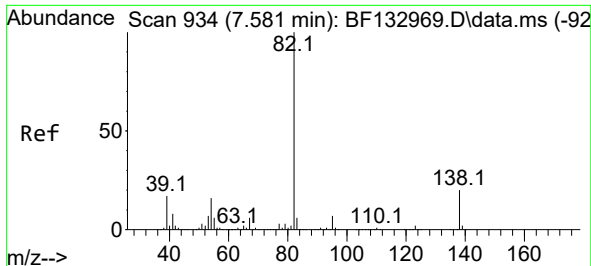
Ion Ratio Lower Upper

77 100

123 48.0 39.9 59.9

65 13.6 10.7 16.1





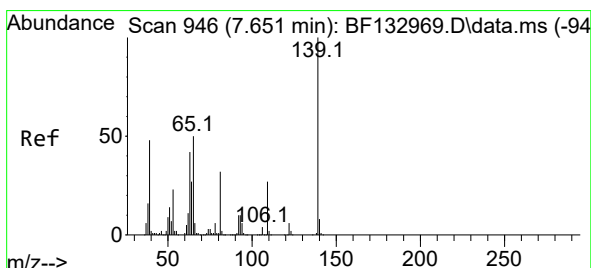
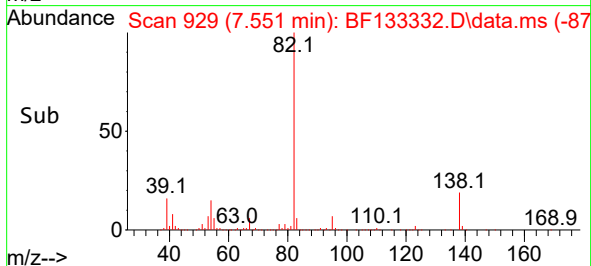
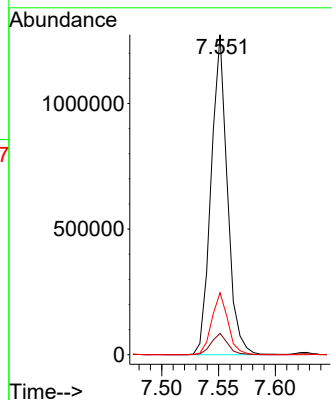
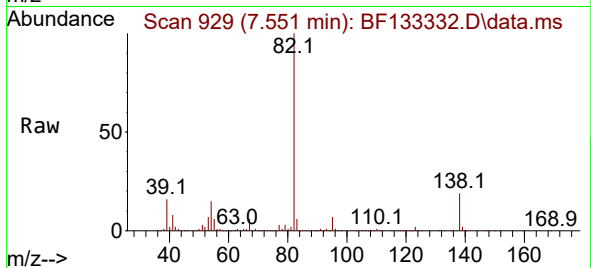
#25
Isophorone
Concen: 42.636 ng
RT: 7.551 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

Tgt Ion: 82 Resp: 1263540
Ion Ratio Lower Upper
82 100
95 6.6 5.4 8.0
138 19.3 16.0 24.0

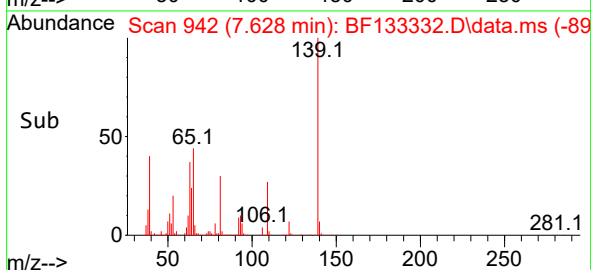
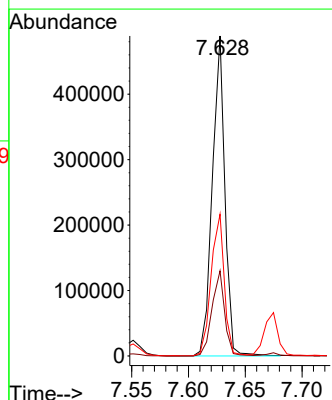
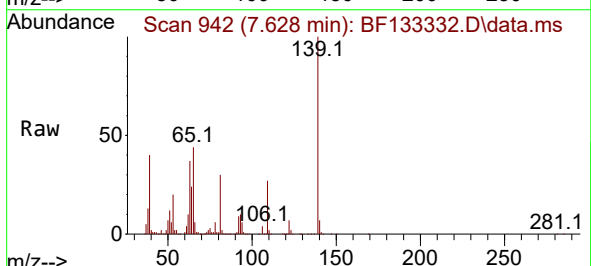
Manual Integrations
APPROVED

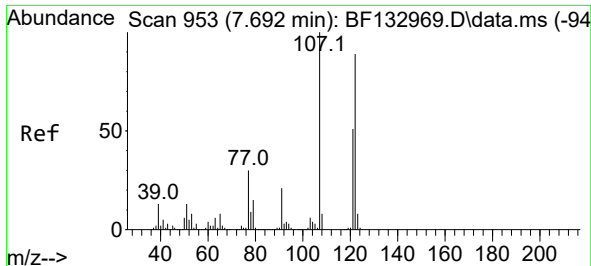
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#26
2-Nitrophenol
Concen: 49.188 ng
RT: 7.628 min Scan# 942
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:139 Resp: 375252
Ion Ratio Lower Upper
139 100
109 26.6 21.6 32.4
65 44.3 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 45.943 ng

RT: 7.675 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF133332.D

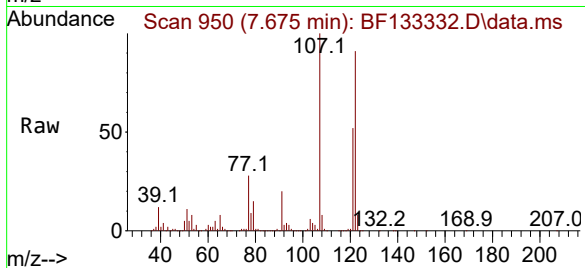
Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

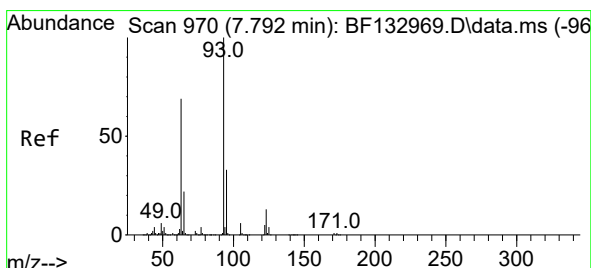
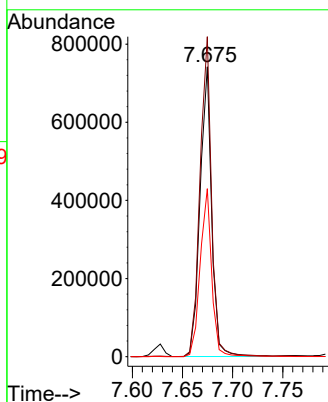
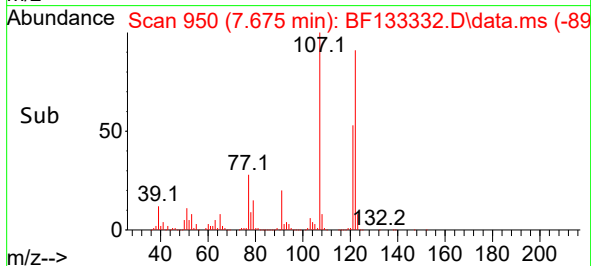
SB-04_0-2_20230509MSD



Tgt Ion:	122	Resp:	60099
Ion Ratio	Lower	Upper	
122	100		
107	110.3	89.7	134.5
121	57.9	46.0	69.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#28

bis(2-Chloroethoxy)methane

Concen: 43.543 ng

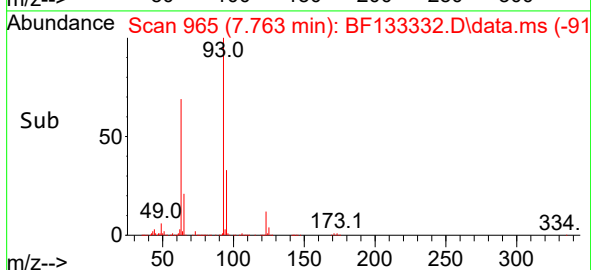
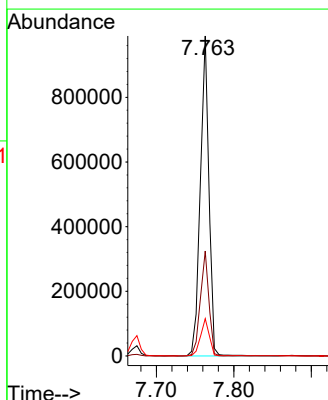
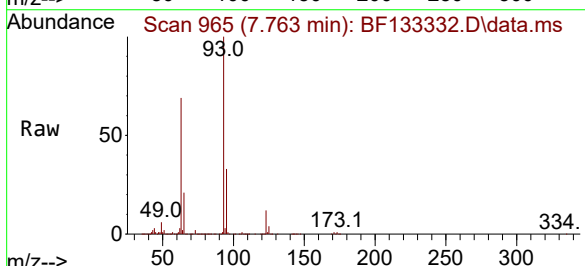
RT: 7.763 min Scan# 965

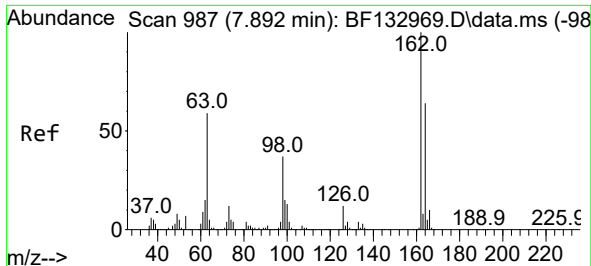
Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Tgt Ion:	93	Resp:	763399
Ion Ratio	Lower	Upper	
93	100		
95	32.8	26.4	39.6
123	11.7	10.3	15.5





#29

2,4-Dichlorophenol

Concen: 46.378 ng

RT: 7.875 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

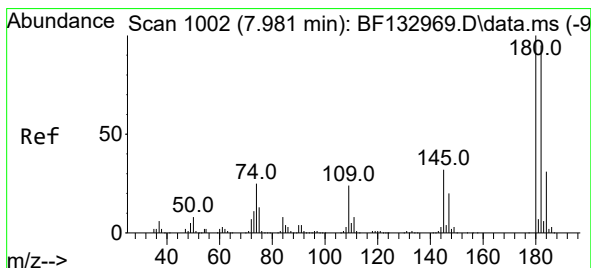
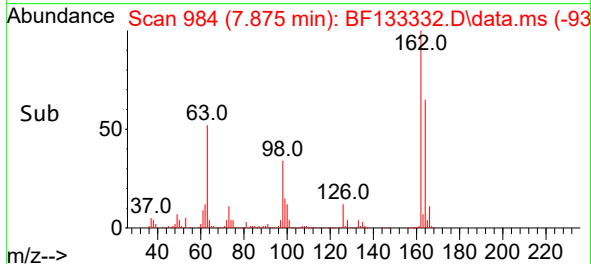
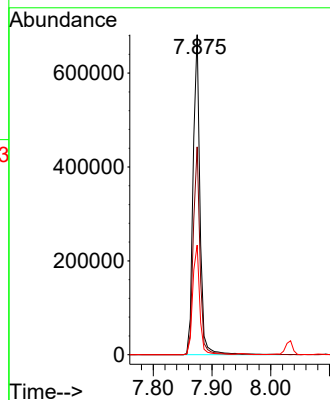
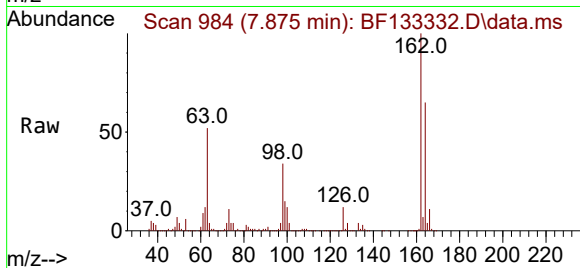
SB-04_0-2_20230509MSD

Tgt Ion:162 Resp: 552300
 Ion Ratio Lower Upper
 162 100
 164 64.9 43.9 83.9
 98 34.2 17.0 57.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023
 Supervised By :Jagrut Upadhyay 05/15/2023



#30

1,2,4-Trichlorobenzene

Concen: 45.980 ng

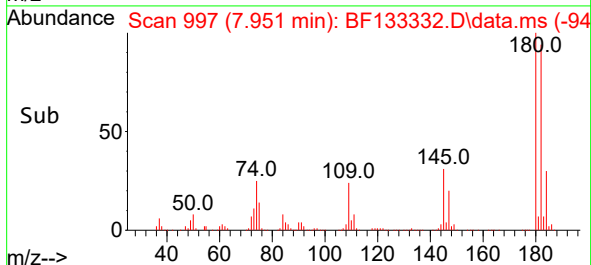
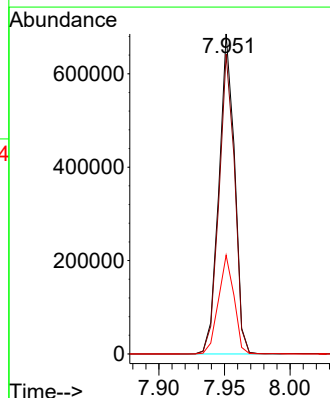
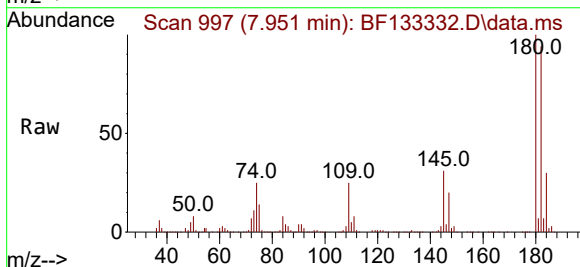
RT: 7.951 min Scan# 997

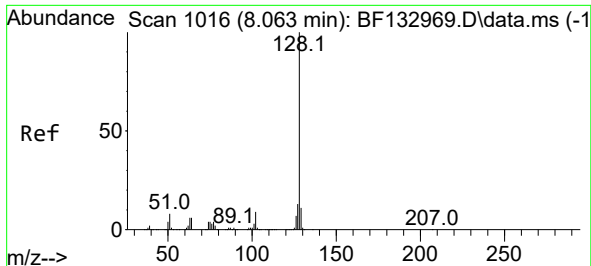
Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

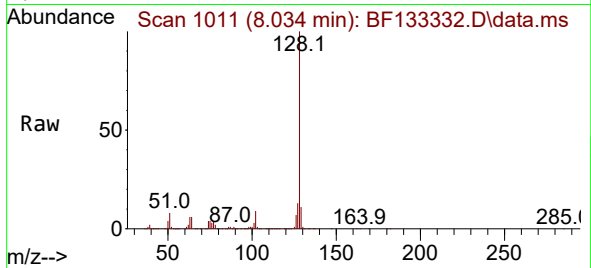
Tgt Ion:180 Resp: 567267
 Ion Ratio Lower Upper
 180 100
 182 93.7 75.9 113.9
 145 30.9 25.3 37.9





#31
Naphthalene
Concen: 43.653 ng
RT: 8.034 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

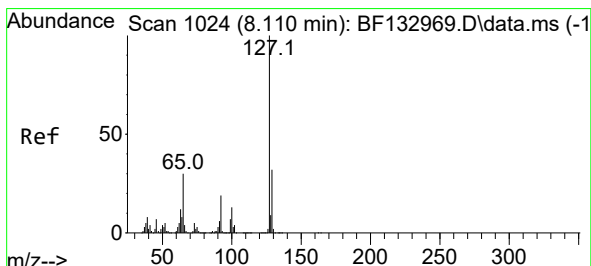
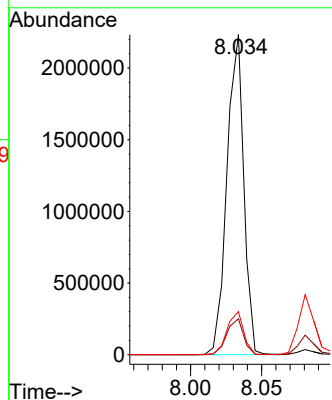
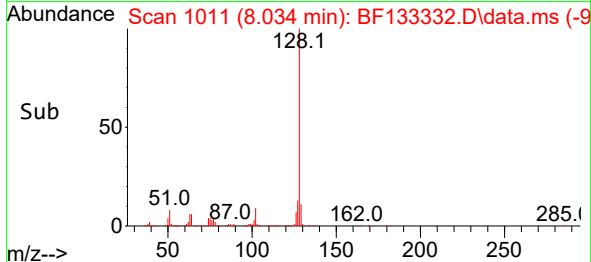
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:128 Resp: 1838790
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.4 10.7 16.1

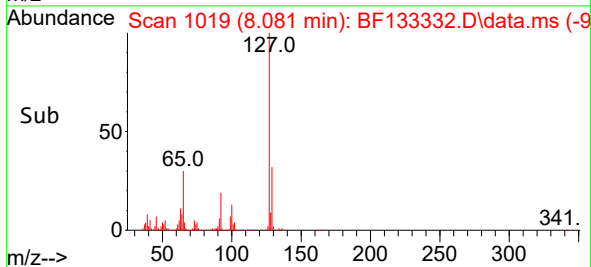
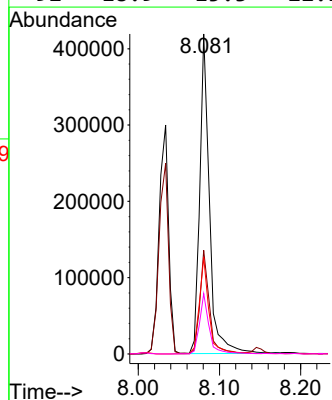
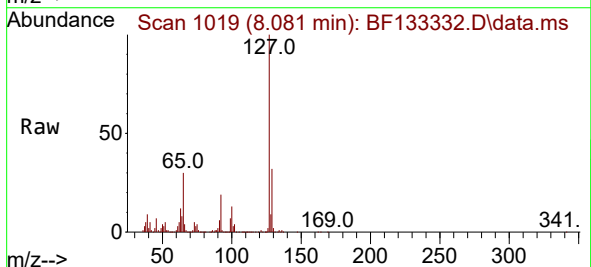
Manual Integrations
APPROVED

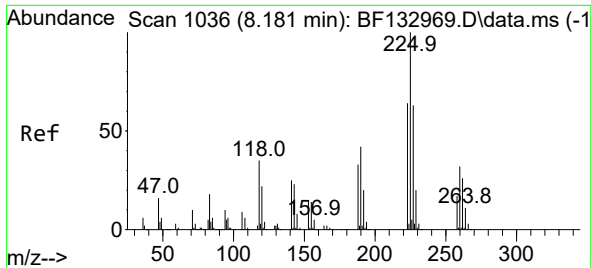
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#33
4-Chloroaniline
Concen: 20.566 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

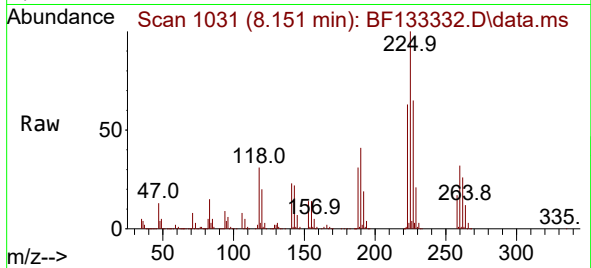
Tgt Ion:127 Resp: 350018
Ion Ratio Lower Upper
127 100
129 32.4 25.8 38.8
65 30.2 23.6 35.4
92 18.9 15.3 22.9





#34
Hexachlorobutadiene
Concen: 44.919 ng
RT: 8.151 min Scan# 1036
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

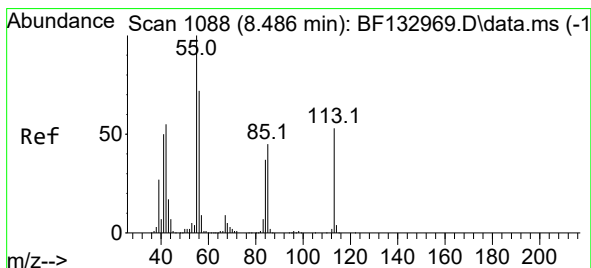
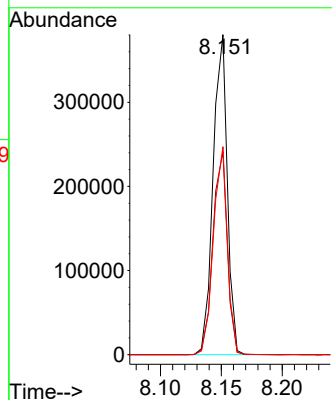
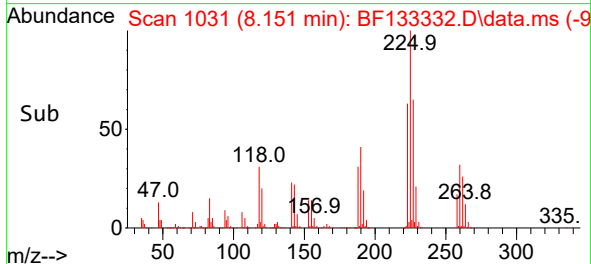
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:225 Resp: 30715
Ion Ratio Lower Upper
225 100
223 63.4 50.9 76.3
227 65.0 50.3 75.5

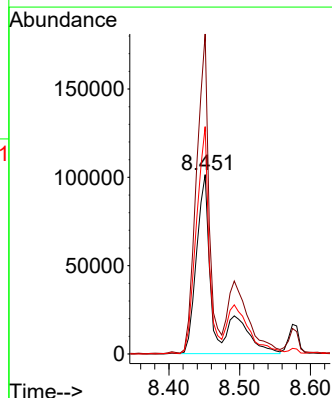
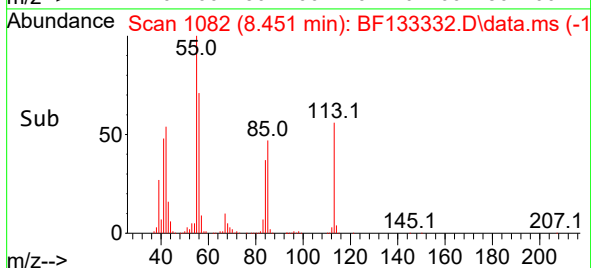
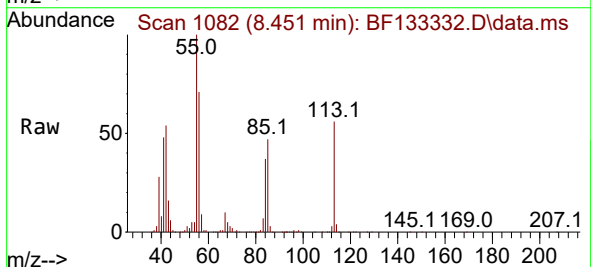
Manual Integrations
APPROVED

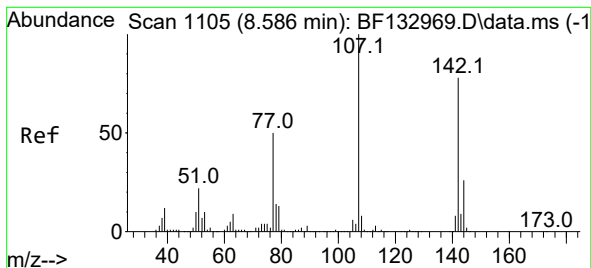
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#35
Caprolactam
Concen: 43.582 ng m
RT: 8.451 min Scan# 1082
Delta R.T. -0.012 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

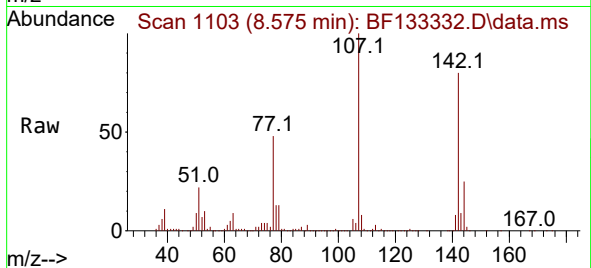
Tgt Ion:113 Resp: 174351
Ion Ratio Lower Upper
113 100
55 178.4 167.1 207.1
56 126.8 114.5 154.5





#36
4-Chloro-3-methylphenol
Concen: 45.872 ng
RT: 8.575 min Scan# 1105
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

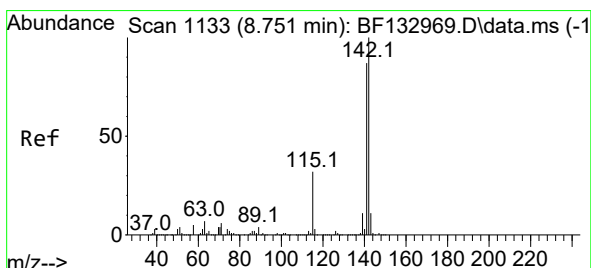
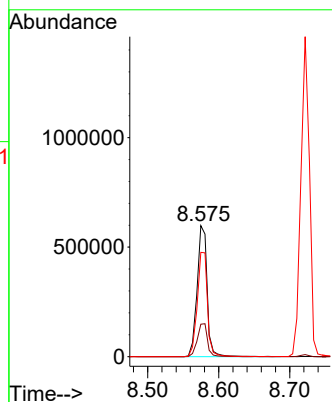
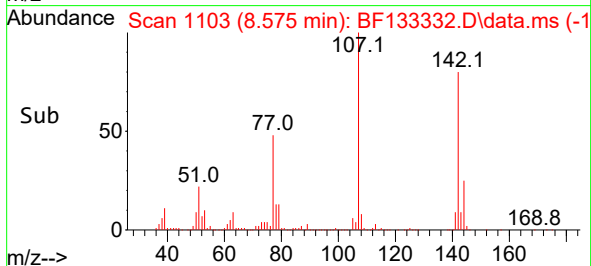
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:107 Resp: 589085
Ion Ratio Lower Upper
107 100
144 24.8 20.6 30.8
142 79.5 62.8 94.2

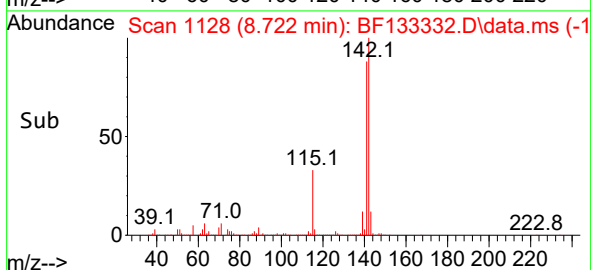
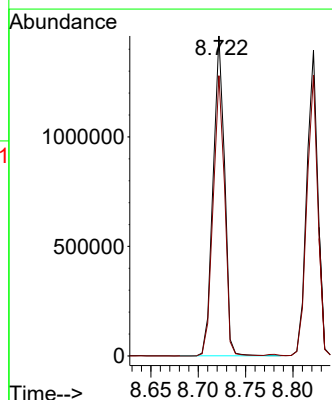
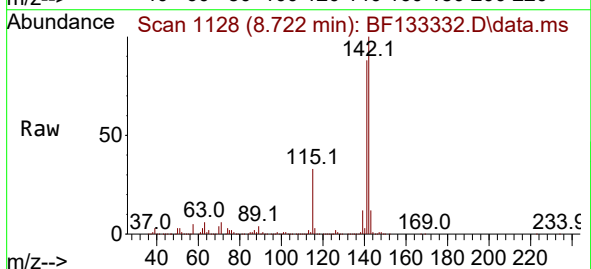
Manual Integrations
APPROVED

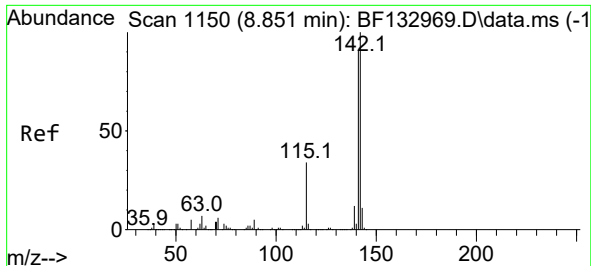
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#37
2-Methylnaphthalene
Concen: 42.543 ng
RT: 8.722 min Scan# 1128
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

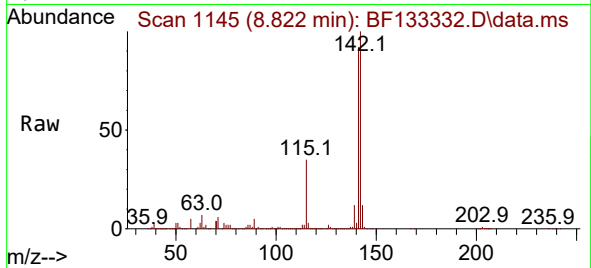
Tgt Ion:142 Resp: 1225180
Ion Ratio Lower Upper
142 100
141 87.6 69.4 104.0





#38
1-Methylnaphthalene
Concen: 42.292 ng
RT: 8.822 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

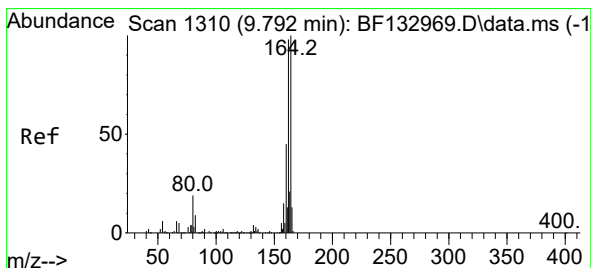
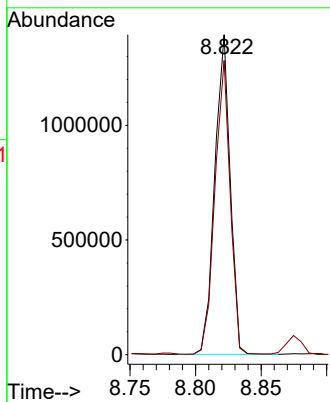
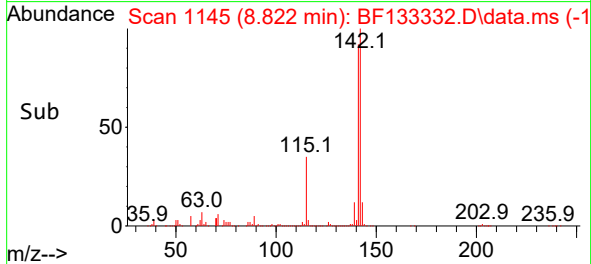
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:142 Resp: 1139369
Ion Ratio Lower Upper
142 100
141 91.9 73.1 109.7

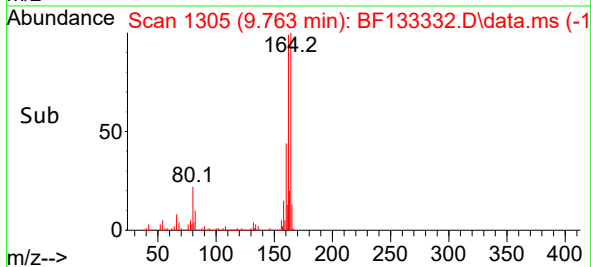
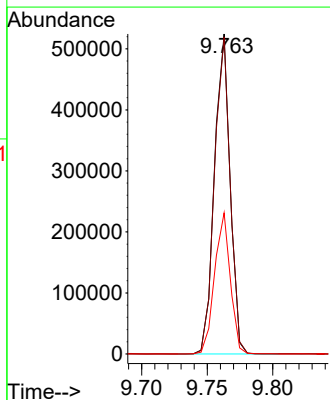
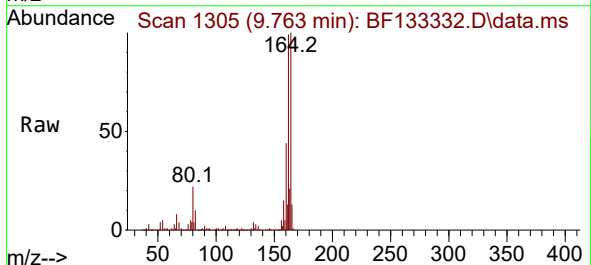
Manual Integrations
APPROVED

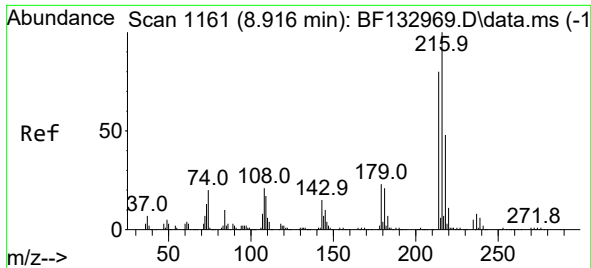
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:164 Resp: 434600
Ion Ratio Lower Upper
164 100
162 99.1 78.7 118.1
160 44.1 35.8 53.6





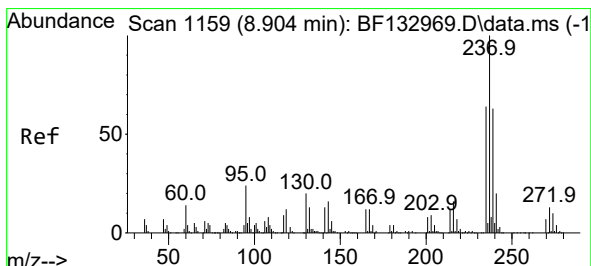
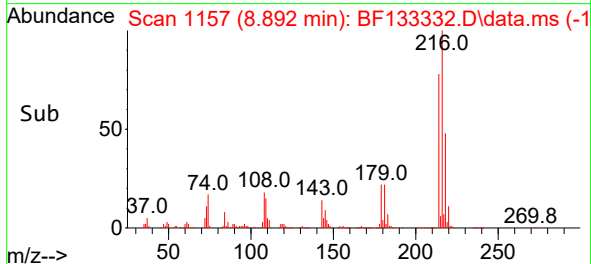
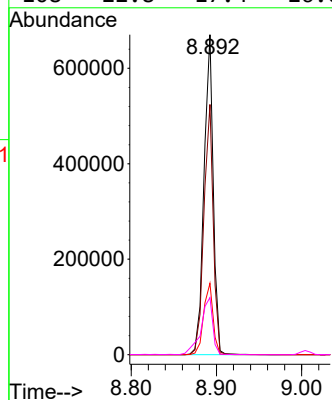
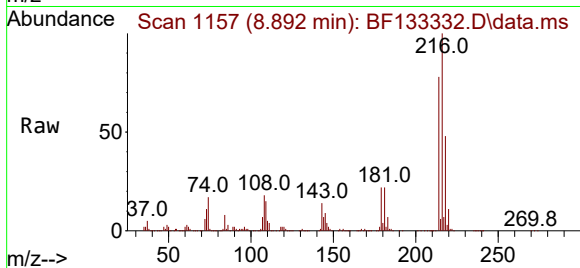
#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.169 ng
RT: 8.892 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD

Tgt Ion:216 Resp: 50443
Ion Ratio Lower Upper
216 100
214 79.1 63.5 95.3
179 22.8 17.4 26.2
108 22.8 17.4 26.0

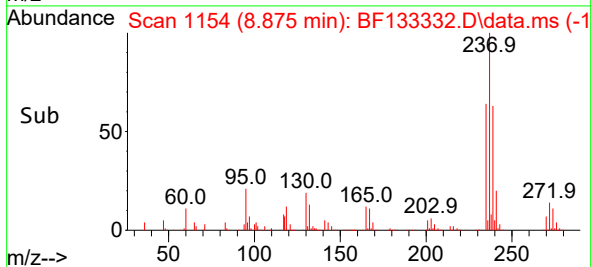
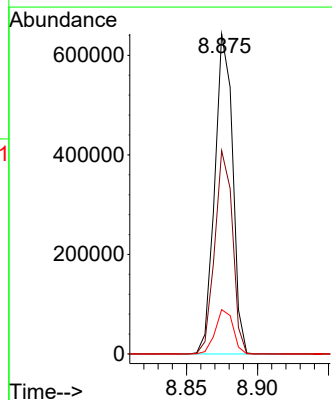
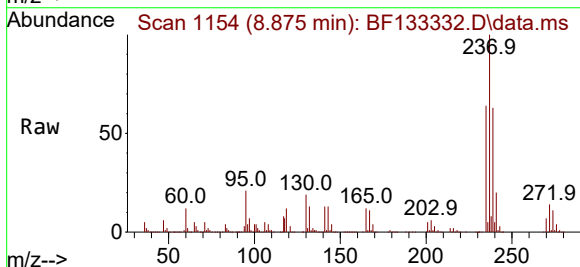
Manual Integrations
APPROVED

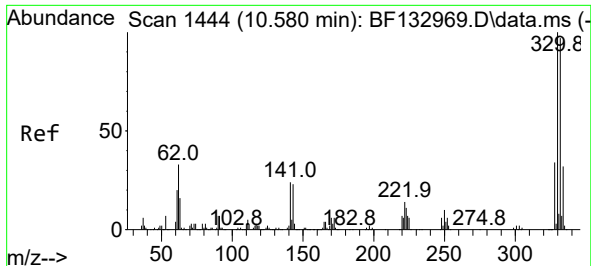
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#41
Hexachlorocyclopentadiene
Concen: 82.564 ng
RT: 8.875 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

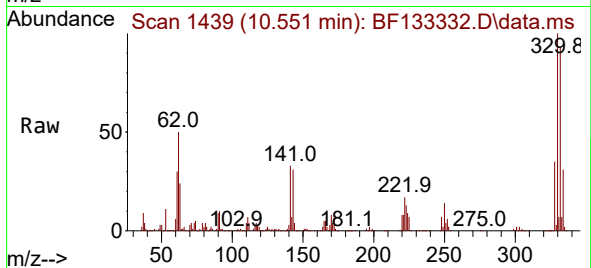
Tgt Ion:237 Resp: 562657
Ion Ratio Lower Upper
237 100
235 63.6 43.5 83.5
272 13.8 0.0 32.7





#42
2,4,6-Tribromophenol
Concen: 105.286 ng
RT: 10.551 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

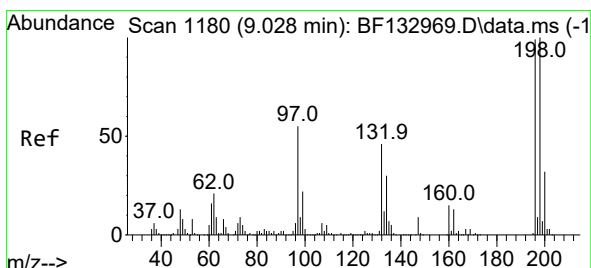
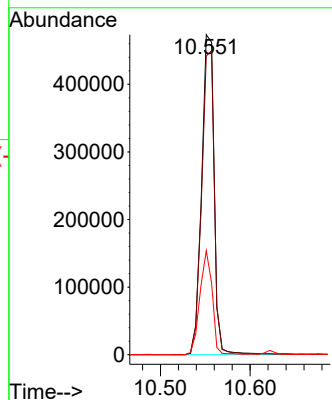
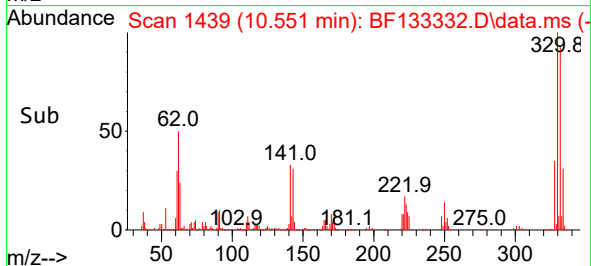
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



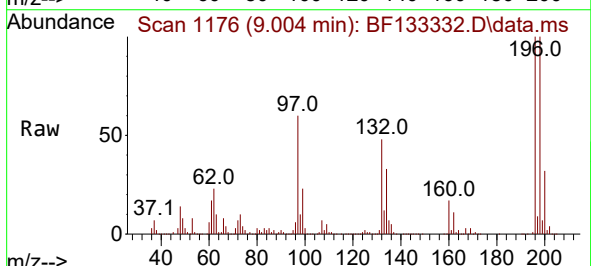
Tgt Ion:330 Resp: 46017
Ion Ratio Lower Upper
330 100
332 95.7 77.1 115.7
141 31.8 25.8 38.8

Manual Integrations
APPROVED

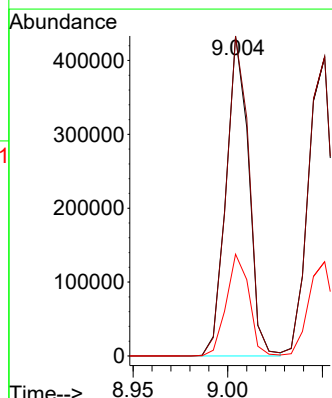
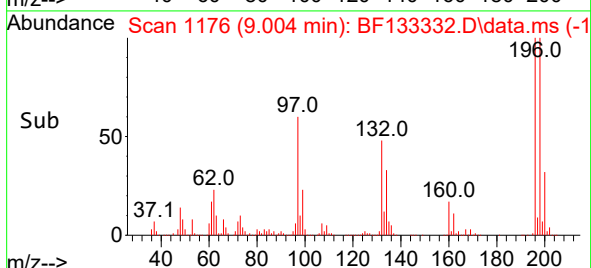
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

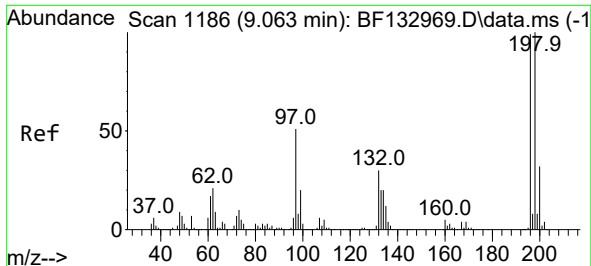


#43
2,4,6-Trichlorophenol
Concen: 44.411 ng
RT: 9.004 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56



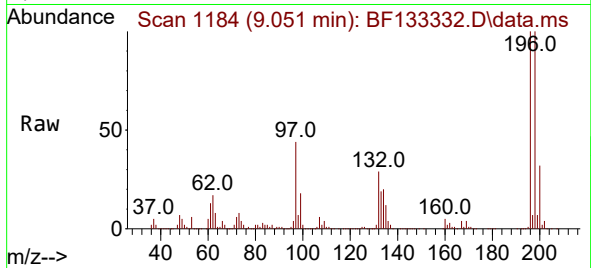
Tgt Ion:196 Resp: 358893
Ion Ratio Lower Upper
196 100
198 99.9 81.0 121.6
200 31.8 26.1 39.1





#44
2,4,5-Trichlorophenol
Concen: 40.848 ng
RT: 9.051 min Scan# 1186
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

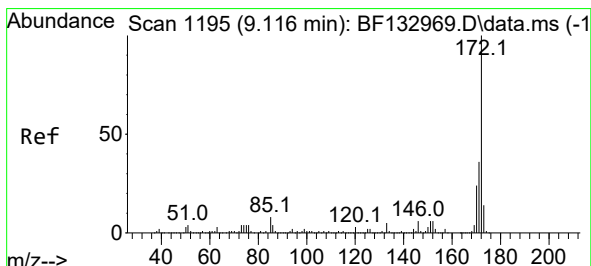
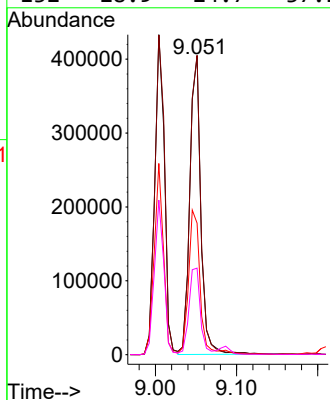
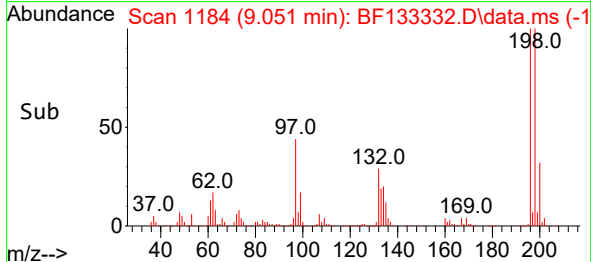
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



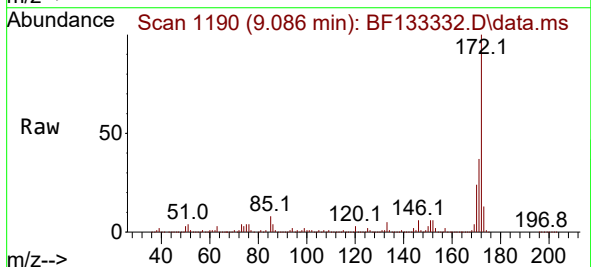
Tgt Ion:196 Resp: 381763
Ion Ratio Lower Upper
196 100
198 100.1 80.9 121.3
97 44.0 41.3 61.9
132 28.9 24.7 37.1

Manual Integrations
APPROVED

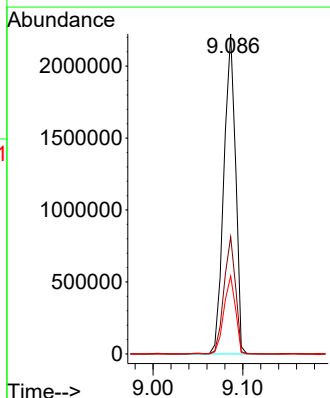
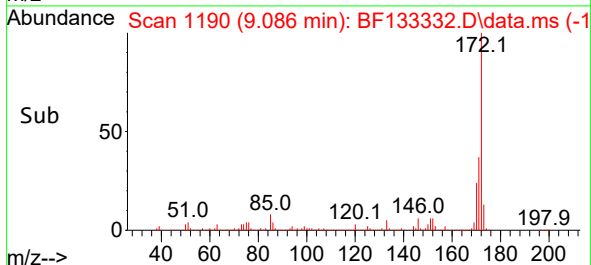
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

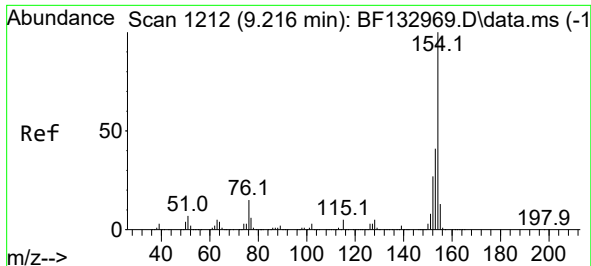


#45
2-Fluorobiphenyl
Concen: 77.485 ng
RT: 9.086 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56



Tgt Ion:172 Resp: 2012863
Ion Ratio Lower Upper
172 100
171 36.6 28.8 43.2
170 24.4 19.4 29.2





#46

1,1'-Biphenyl

Concen: 43.727 ng

RT: 9.186 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133332.D

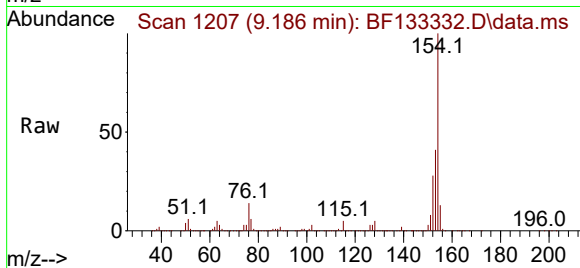
Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD



Tgt Ion:154 Resp: 1506898

Ion Ratio Lower Upper

154 100

153 41.1 21.0 61.0

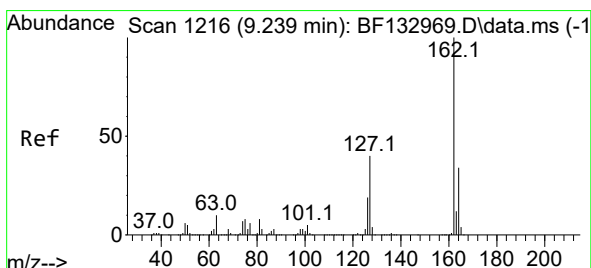
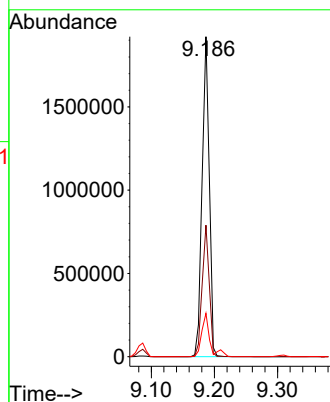
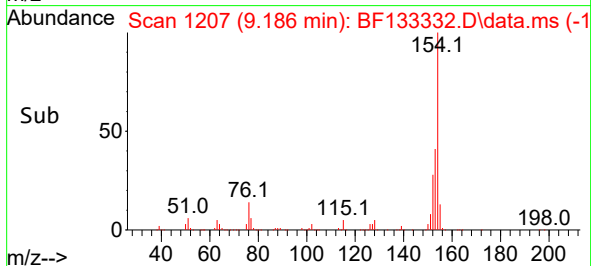
76 13.6 0.0 34.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#47

2-Chloronaphthalene

Concen: 45.209 ng

RT: 9.210 min Scan# 1211

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

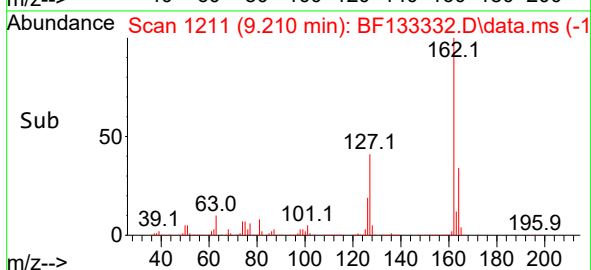
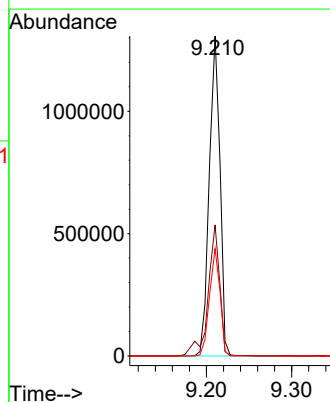
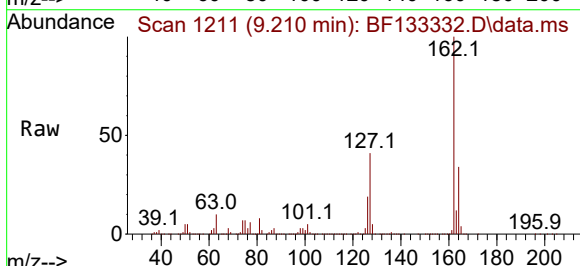
Tgt Ion:162 Resp: 1140343

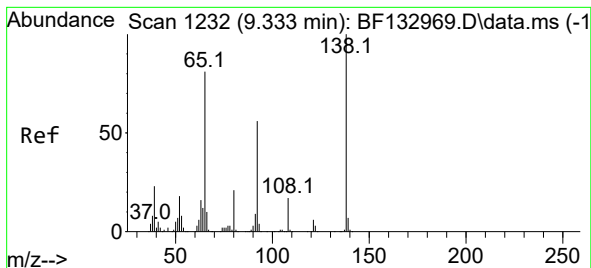
Ion Ratio Lower Upper

162 100

127 40.9 32.3 48.5

164 33.6 26.8 40.2





#48

2-Nitroaniline

Concen: 44.341 ng

RT: 9.310 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

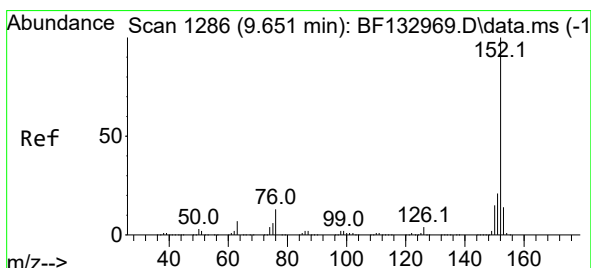
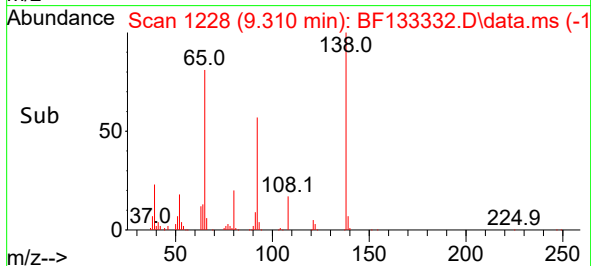
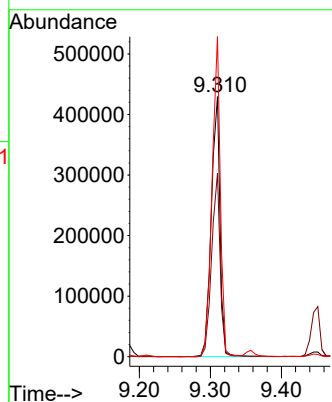
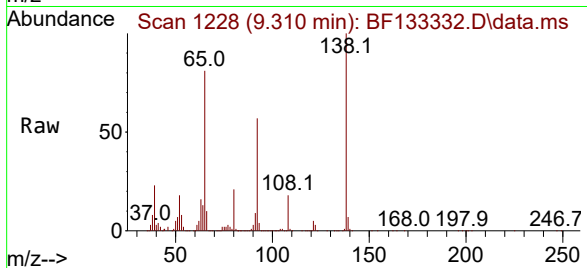
ClientSampleId :

SB-04_0-2_20230509MSD

Tgt Ion: 65 Resp: 36964
 Ion Ratio Lower Upper
 65 100
 92 70.5 55.4 83.0
 138 123.0 98.2 147.2

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/12/2023
 Supervised By :Jagrut Upadhyay 05/15/2023



#49

Acenaphthylene

Concen: 43.889 ng

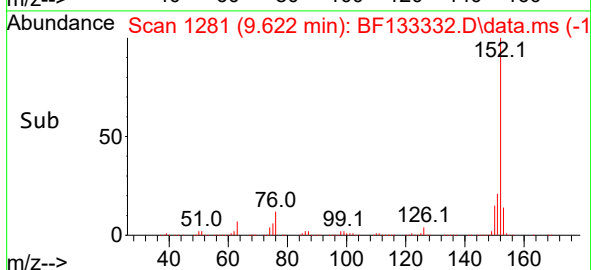
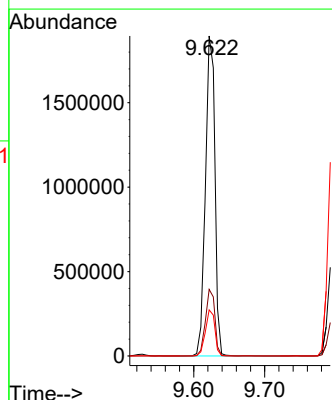
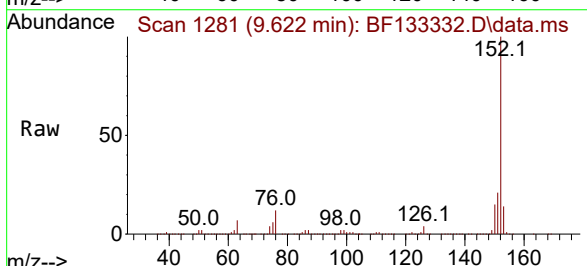
RT: 9.622 min Scan# 1281

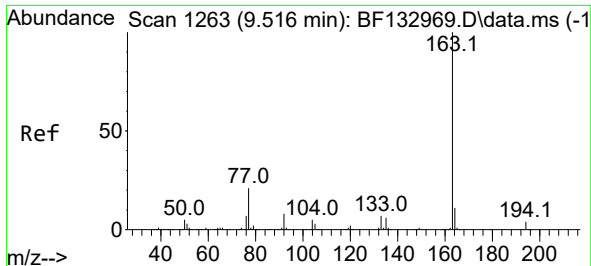
Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

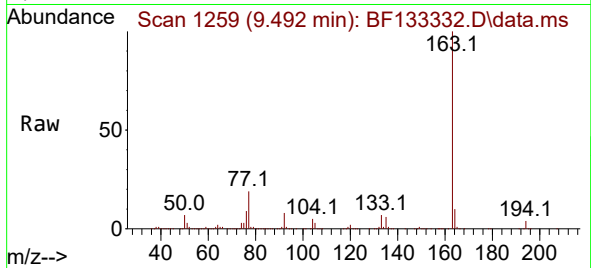
Tgt Ion:152 Resp: 1768873
 Ion Ratio Lower Upper
 152 100
 151 20.8 16.6 24.8
 153 14.4 11.5 17.3





#50
Dimethylphthalate
Concen: 44.216 ng
RT: 9.492 min Scan# 1259
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

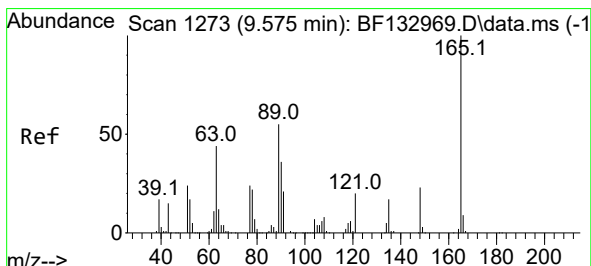
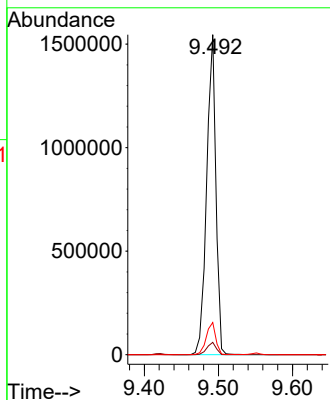
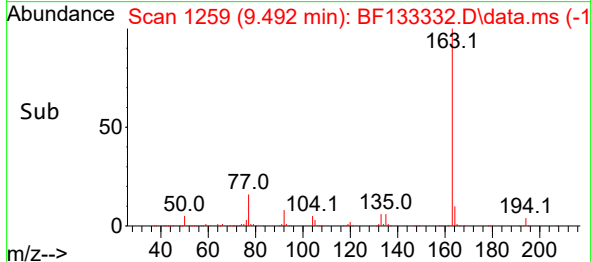
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:163 Resp: 1339929
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.0 8.5 12.7

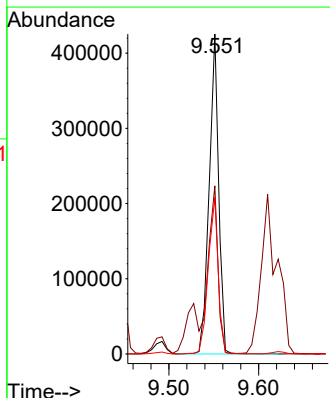
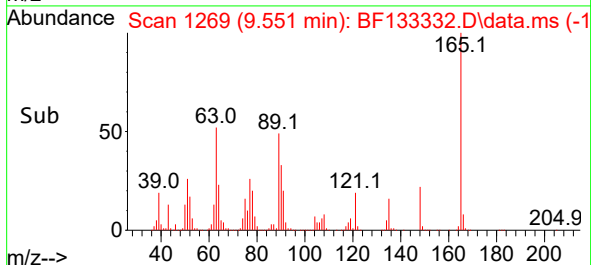
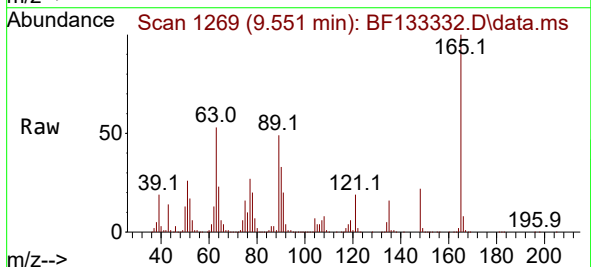
Manual Integrations
APPROVED

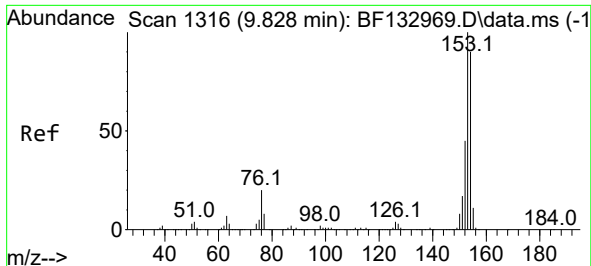
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#51
2,6-Dinitrotoluene
Concen: 45.869 ng
RT: 9.551 min Scan# 1269
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

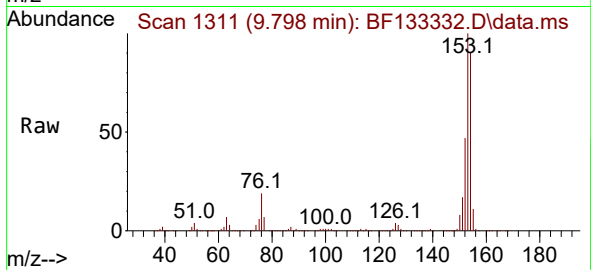
Tgt Ion:165 Resp: 312854
Ion Ratio Lower Upper
165 100
63 52.6 45.9 68.9
89 48.9 44.0 66.0





#52
Acenaphthene
Concen: 41.803 ng m
RT: 9.798 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

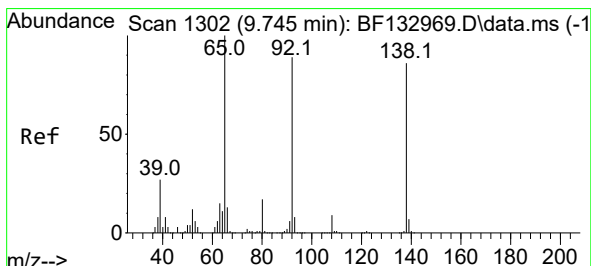
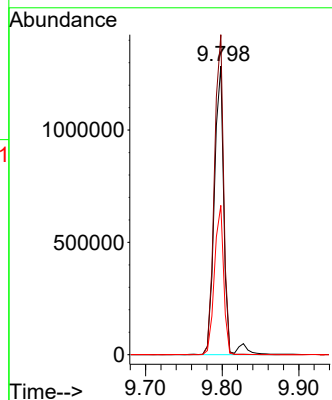
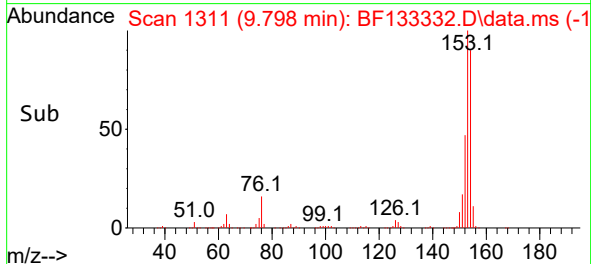
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:154 Resp: 1128400
Ion Ratio Lower Upper
154 100
153 110.9 89.0 133.6
152 51.8 40.4 60.6

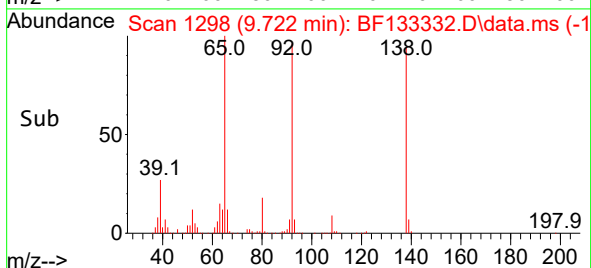
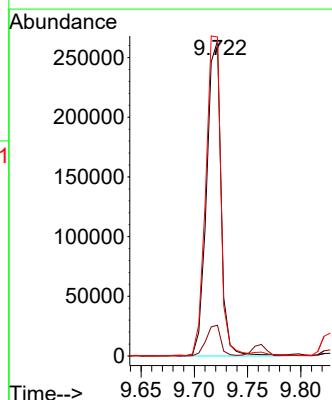
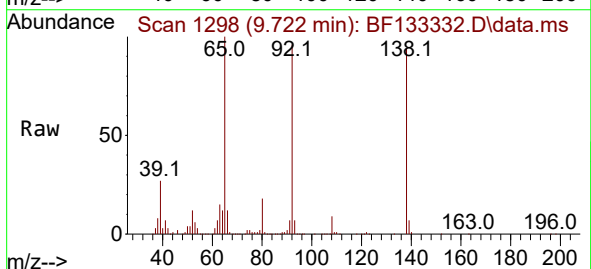
Manual Integrations
APPROVED

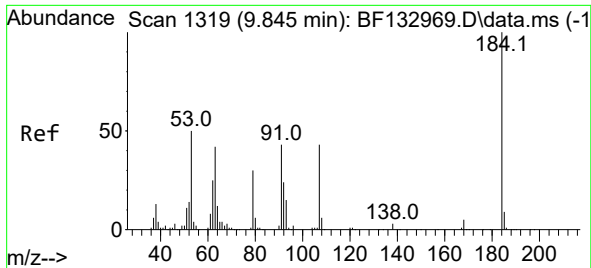
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#53
3-Nitroaniline
Concen: 30.798 ng
RT: 9.722 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

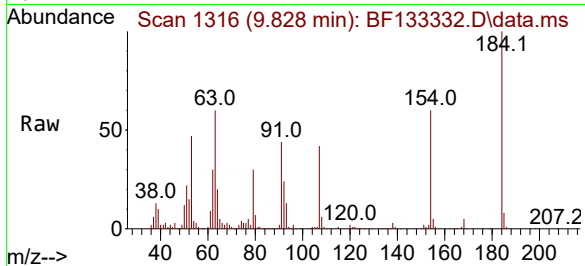
Tgt Ion:138 Resp: 249770
Ion Ratio Lower Upper
138 100
108 9.8 8.0 12.0
92 101.3 83.6 125.4





#54
2,4-Dinitrophenol
Concen: 24.115 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

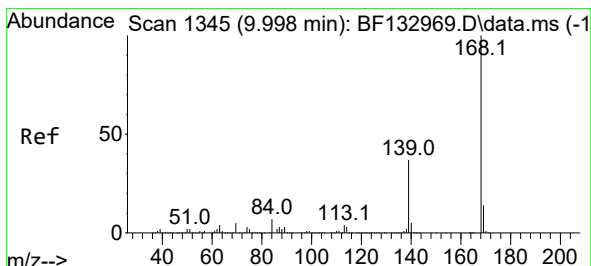
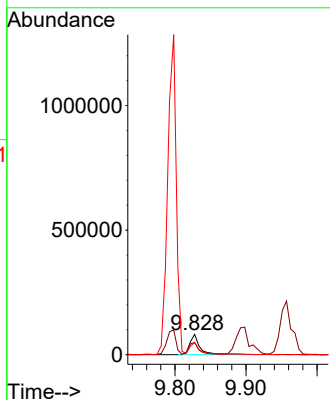
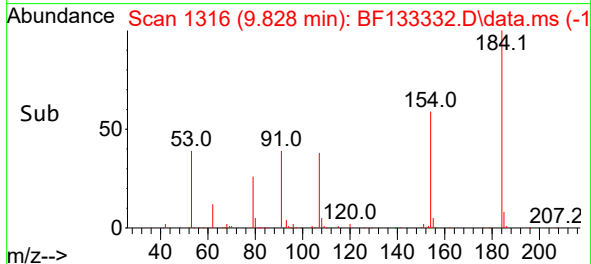
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



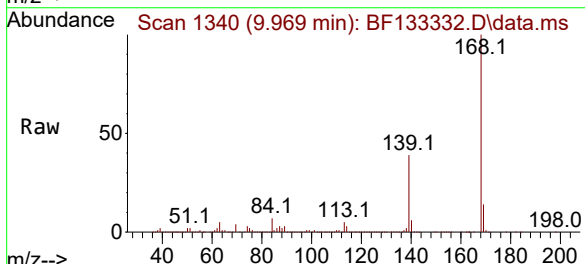
Tgt Ion:184 Resp: 82675
Ion Ratio Lower Upper
184 100
63 60.2 49.8 74.8
154 60.1 49.5 74.3

Manual Integrations
APPROVED

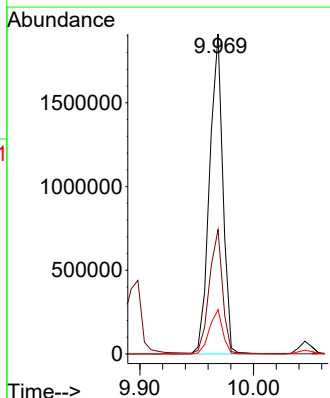
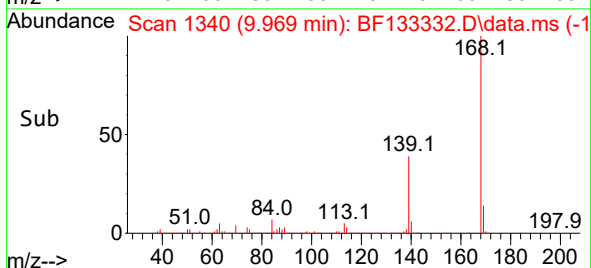
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

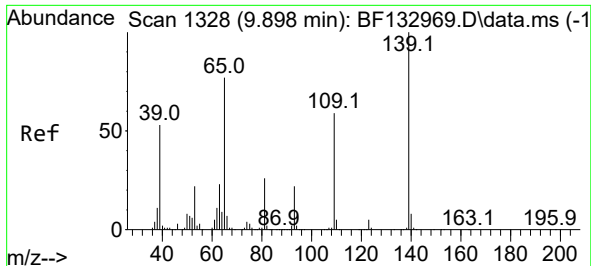


#55
Dibenzofuran
Concen: 42.206 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56



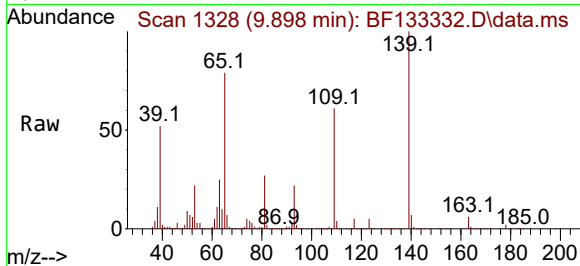
Tgt Ion:168 Resp: 1554091
Ion Ratio Lower Upper
168 100
139 38.8 29.8 44.8
169 13.9 10.8 16.2





#56
4-Nitrophenol
Concen: 70.894 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

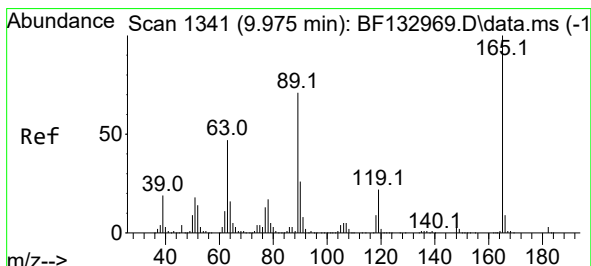
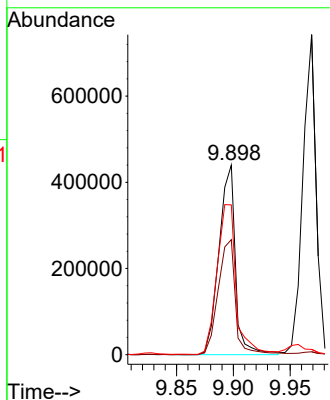
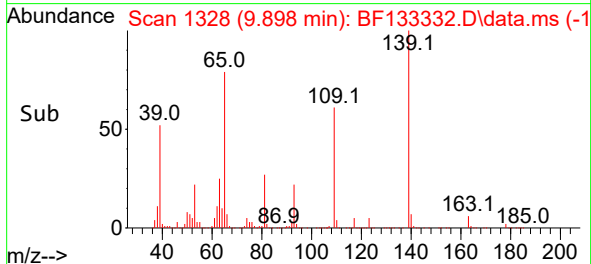
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:139 Resp: 44530
Ion Ratio Lower Upper
139 100
109 60.7 39.4 79.4
65 79.0 57.5 97.5

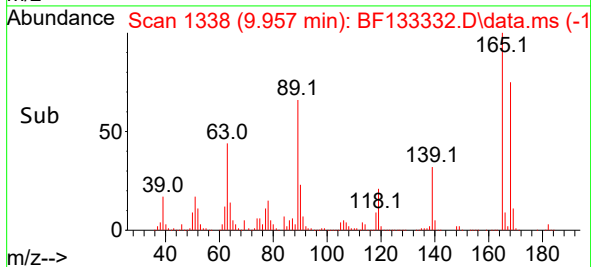
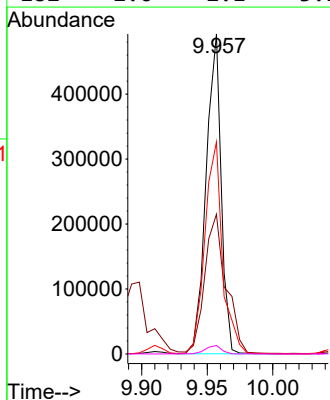
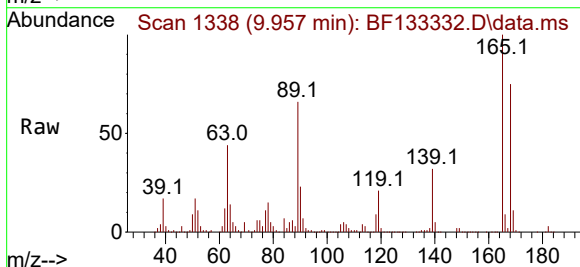
Manual Integrations
APPROVED

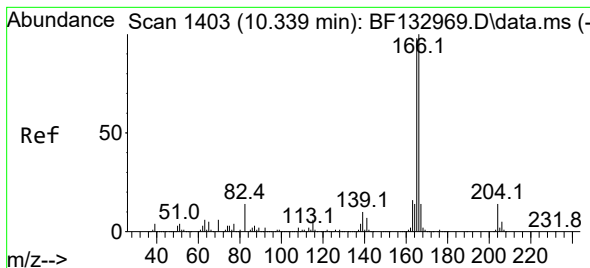
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#57
2,4-Dinitrotoluene
Concen: 45.310 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

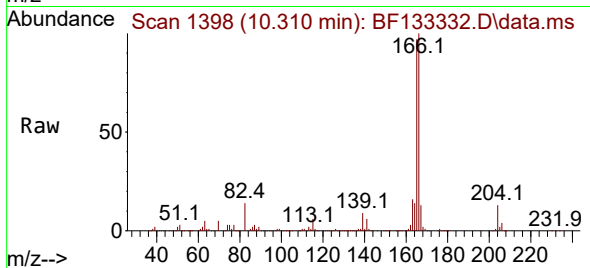
Tgt Ion:165 Resp: 394112
Ion Ratio Lower Upper
165 100
63 43.7 37.7 56.5
89 66.3 57.0 85.4
182 2.6 2.1 3.1





#58
Fluorene
Concen: 43.719 ng
RT: 10.310 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

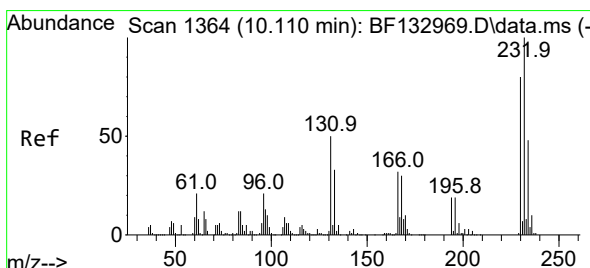
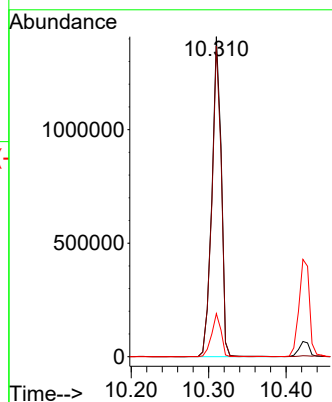
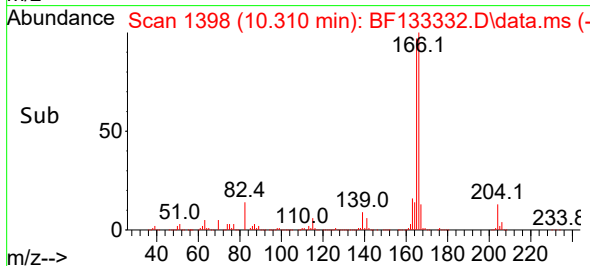
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:166 Resp: 117941
Ion Ratio Lower Upper
166 100
165 97.1 78.6 117.8
167 13.5 11.0 16.4

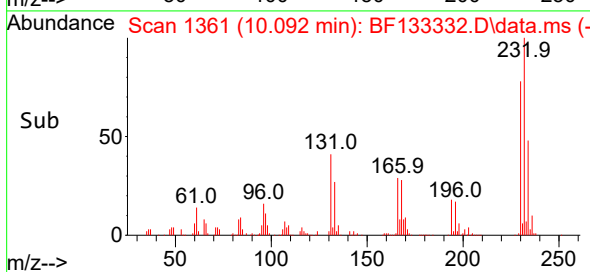
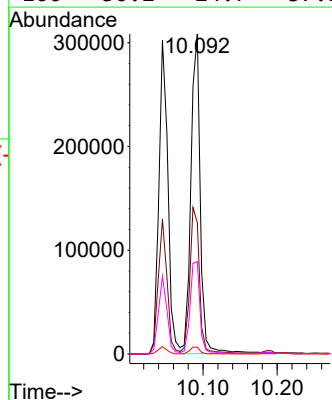
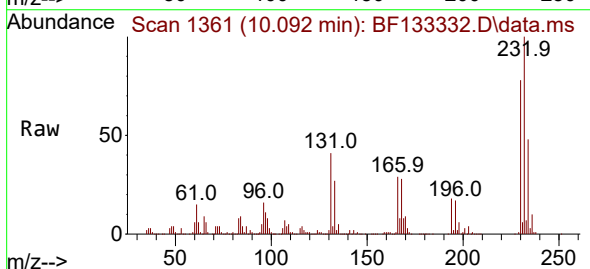
Manual Integrations
APPROVED

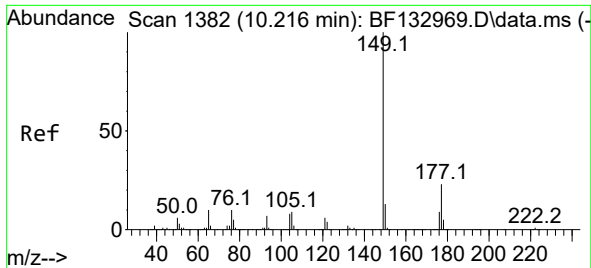
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#59
2,3,4,6-Tetrachlorophenol
Concen: 37.543 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

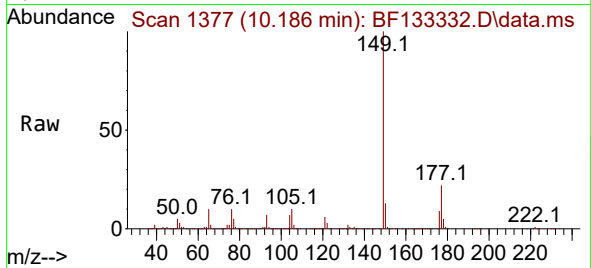
Tgt Ion:232 Resp: 272023
Ion Ratio Lower Upper
232 100
131 46.8 38.0 57.0
130 2.4 1.8 2.8
166 30.2 24.7 37.1





#60
Diethylphthalate
Concen: 44.196 ng
RT: 10.186 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

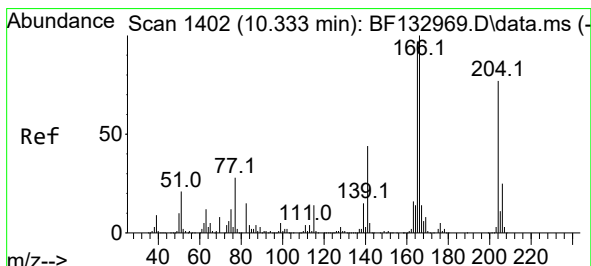
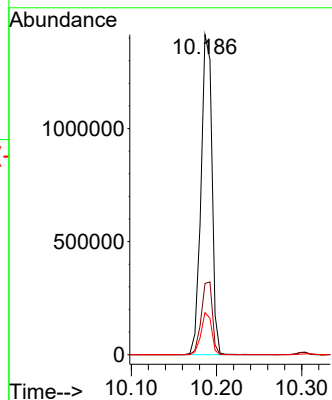
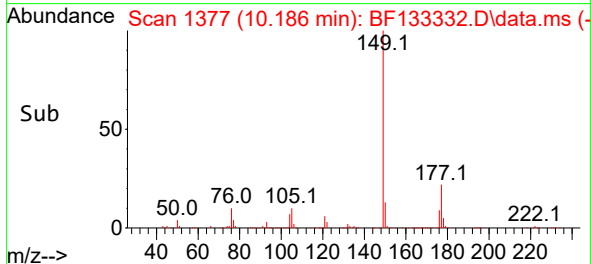
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



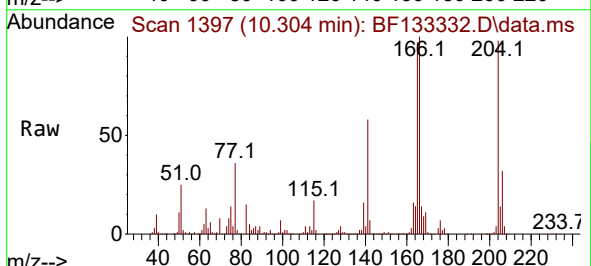
Tgt Ion:149 Resp: 126505
Ion Ratio Lower Upper
149 100
177 22.3 18.2 27.4
150 13.2 10.2 15.4

Manual Integrations
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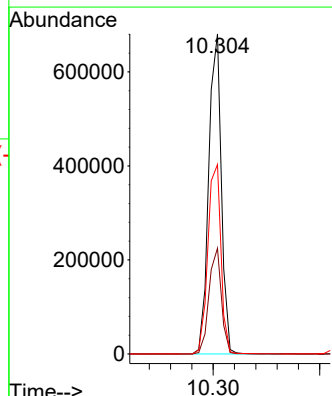
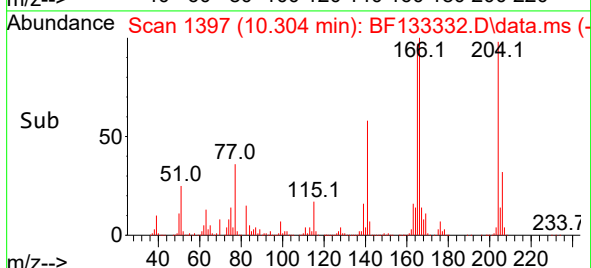
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

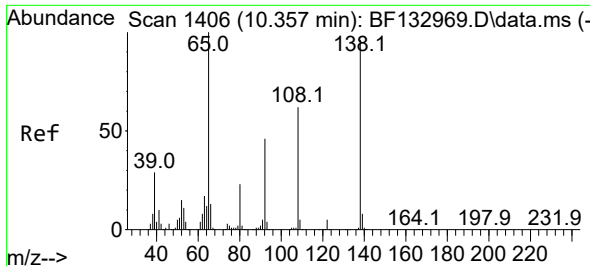


#61
4-Chlorophenyl-phenylether
Concen: 42.634 ng
RT: 10.304 min Scan# 1397
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56



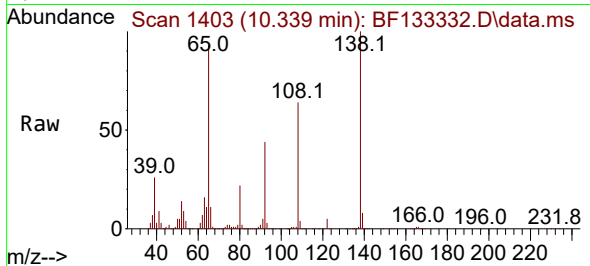
Tgt Ion:204 Resp: 560494
Ion Ratio Lower Upper
204 100
206 33.1 26.1 39.1
141 59.2 46.1 69.1





#62
4-Nitroaniline
Concen: 47.353 ng
RT: 10.339 min Scan# 1403
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

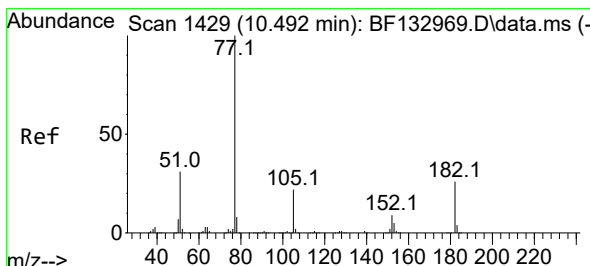
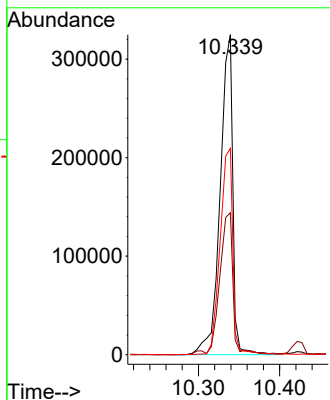
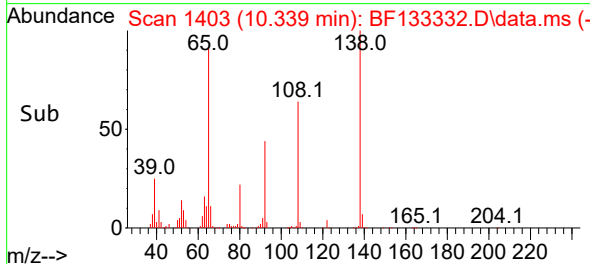
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:138 Resp: 352958
Ion Ratio Lower Upper
138 100
92 44.4 27.7 67.7
108 64.4 45.2 85.2

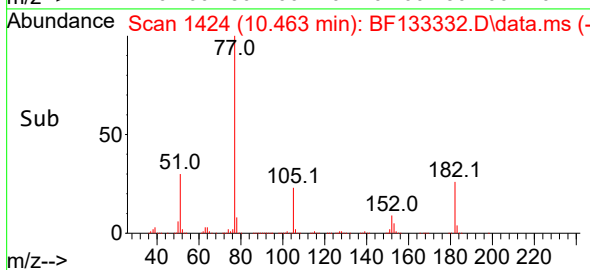
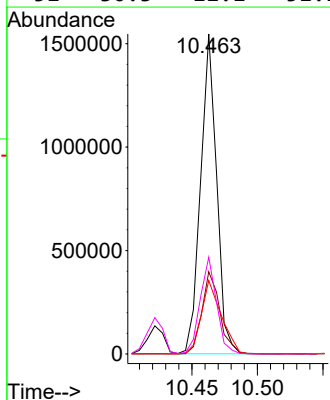
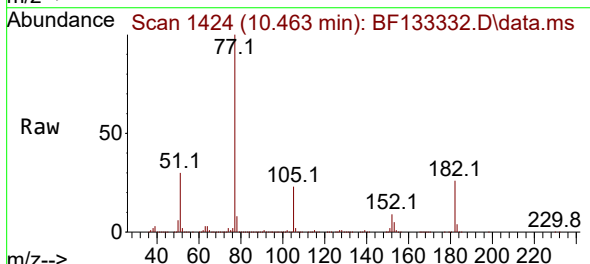
Manual Integrations
APPROVED

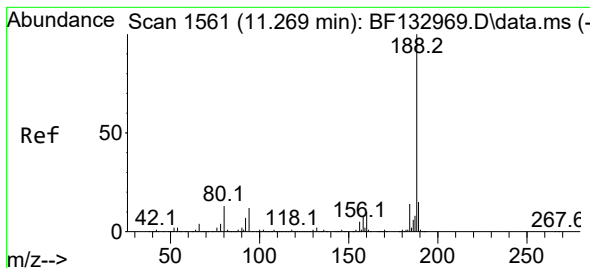
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#63
Azobenzene
Concen: 43.539 ng
RT: 10.463 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

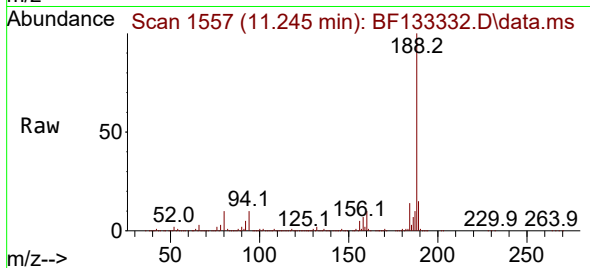
Tgt Ion: 77 Resp: 1320202
Ion Ratio Lower Upper
77 100
182 25.7 5.9 45.9
105 23.0 2.3 42.3
51 30.3 11.1 51.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

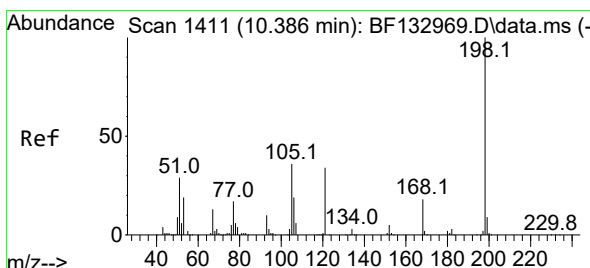
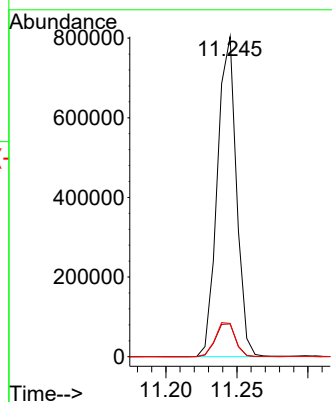
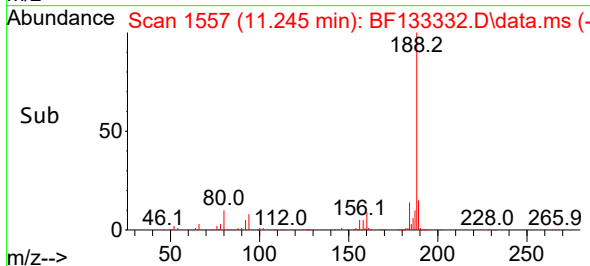
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



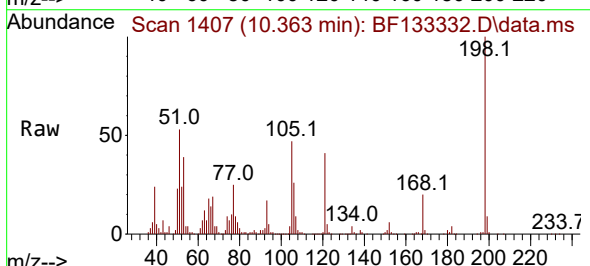
Tgt Ion:188 Resp: 750294
Ion Ratio Lower Upper
188 100
94 10.3 9.7 14.5
80 10.4 10.4 15.6

Manual Integrations
APPROVED

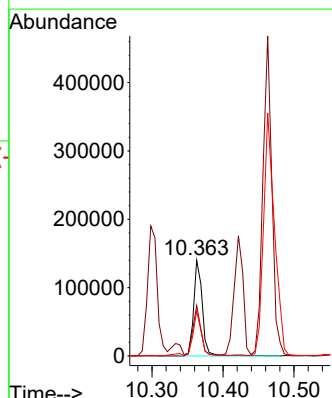
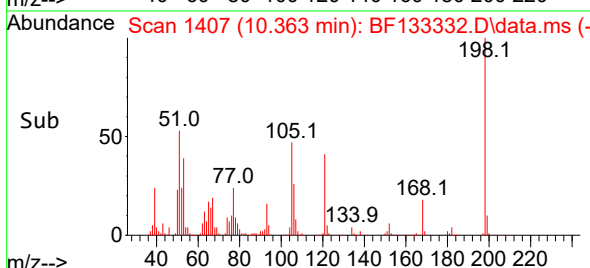
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

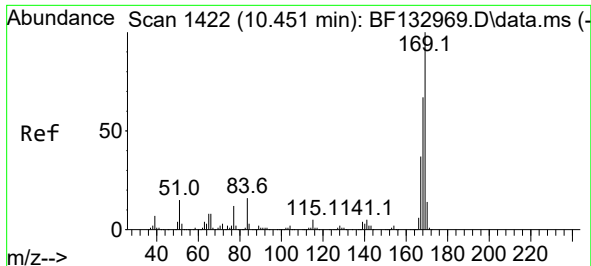


#65
4,6-Dinitro-2-methylphenol
Concen: 26.170 ng
RT: 10.363 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56



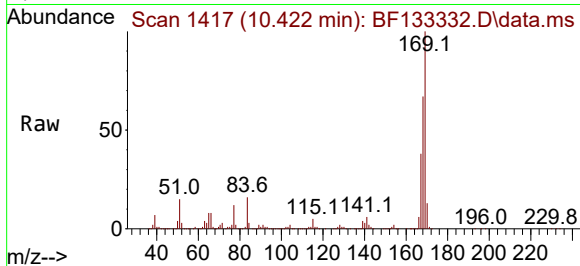
Tgt Ion:198 Resp: 119012
Ion Ratio Lower Upper
198 100
51 52.9 15.5 55.5
105 47.0 16.7 56.7





#66
n-Nitrosodiphenylamine
Concen: 44.222 ng
RT: 10.422 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

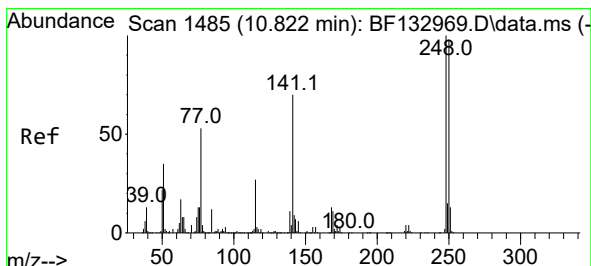
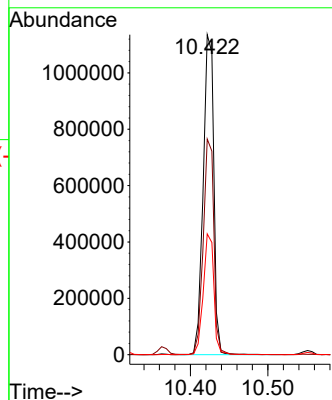
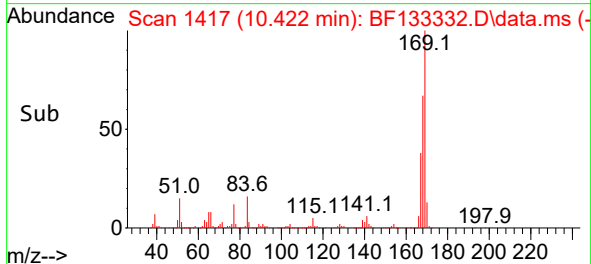
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



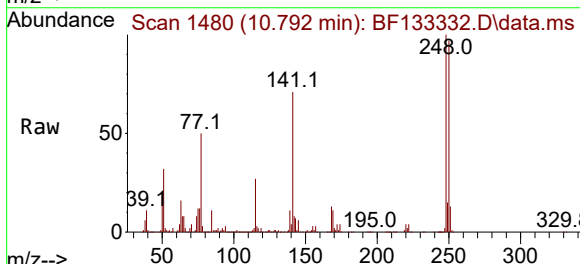
Tgt Ion:169 Resp: 107624
Ion Ratio Lower Upper
169 100
168 67.4 53.8 80.8
167 37.7 29.7 44.5

Manual Integrations
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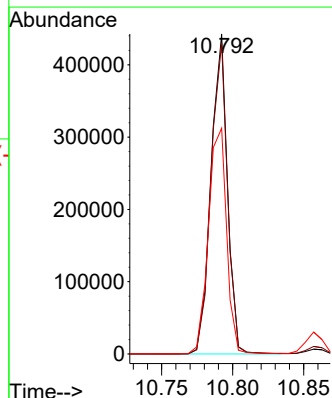
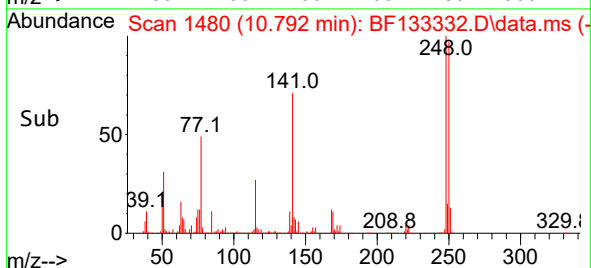
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

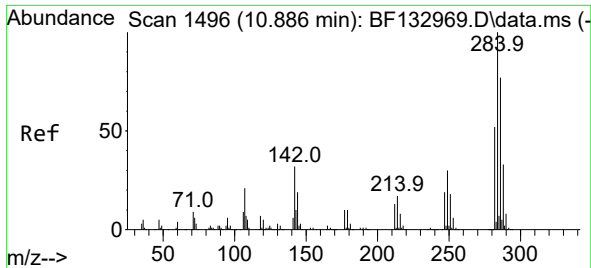


#67
4-Bromophenyl-phenylether
Concen: 43.897 ng
RT: 10.792 min Scan# 1480
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56



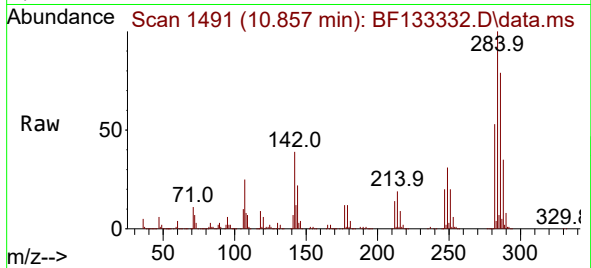
Tgt Ion:248 Resp: 357207
Ion Ratio Lower Upper
248 100
250 97.2 78.7 118.1
141 70.6 56.3 84.5





#68
Hexachlorobenzene
Concen: 45.663 ng
RT: 10.857 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

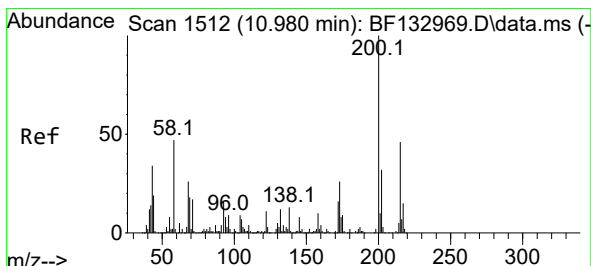
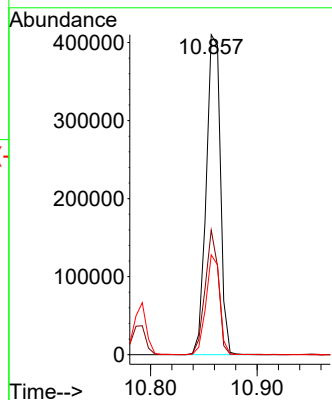
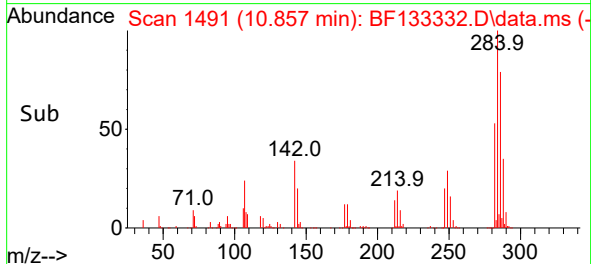
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



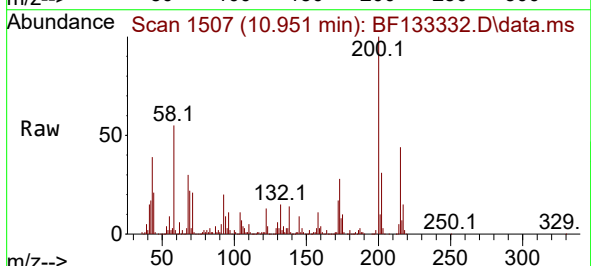
Tgt Ion:284 Resp: 38074
Ion Ratio Lower Upper
284 100
142 39.0 26.0 39.0
249 31.2 23.7 35.5

Manual Integrations
APPROVED

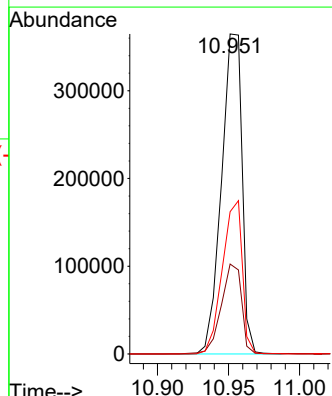
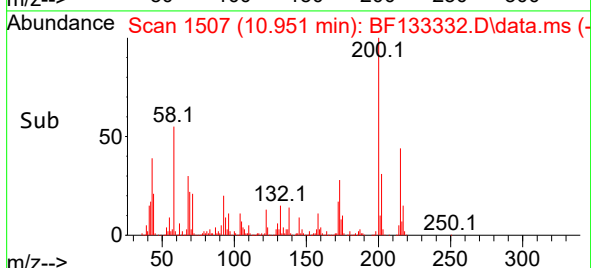
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023

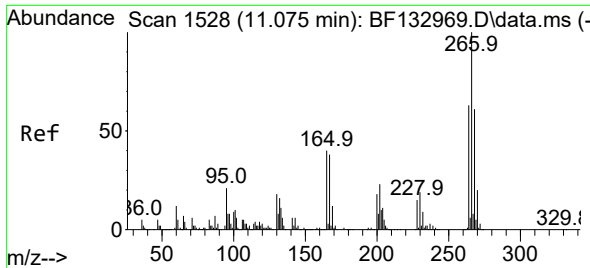


#69
Atrazine
Concen: 52.531 ng
RT: 10.951 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56



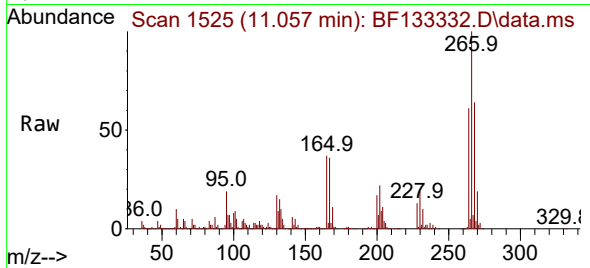
Tgt Ion:200 Resp: 368389
Ion Ratio Lower Upper
200 100
173 28.1 6.2 46.2
215 44.4 26.3 66.3





#70
Pentachlorophenol
Concen: 39.278 ng
RT: 11.057 min Scan# 11057
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

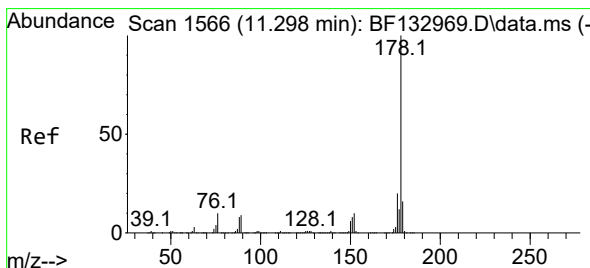
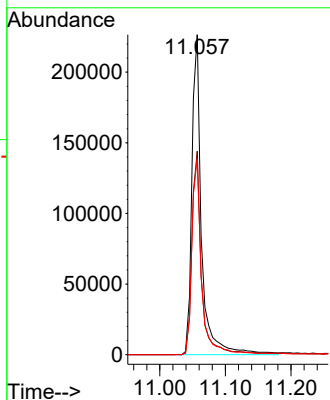
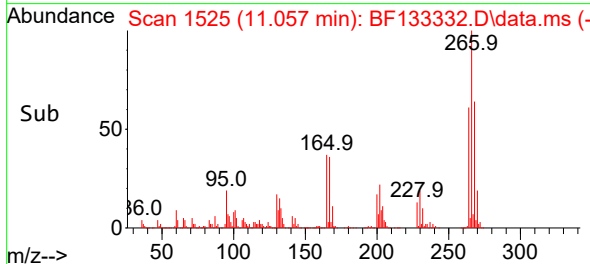
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:266 Resp: 23325
Ion Ratio Lower Upper
266 100
268 63.6 48.8 73.2
264 61.3 50.6 76.0

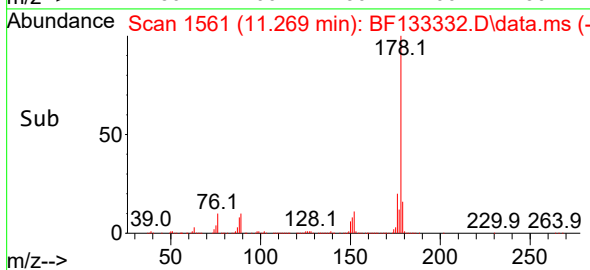
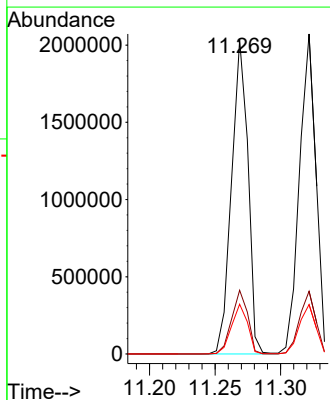
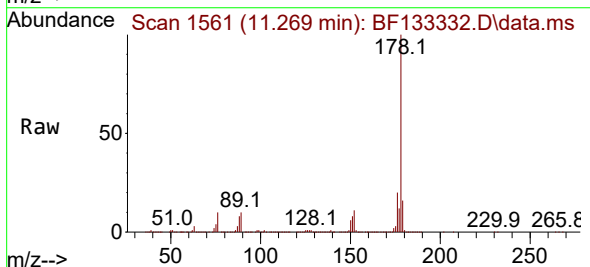
Manual Integrations
APPROVED

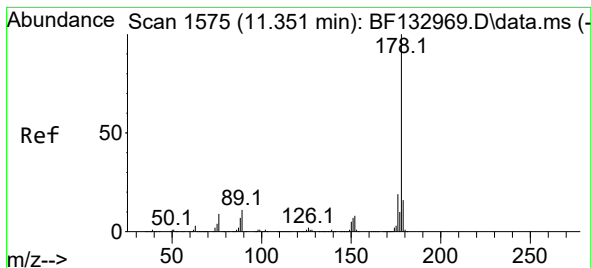
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#71
Phenanthrene
Concen: 43.945 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:178 Resp: 1772127
Ion Ratio Lower Upper
178 100
176 20.3 15.9 23.9
179 15.8 12.5 18.7





#72

Anthracene

Concen: 44.050 ng

RT: 11.322 min Scan# 1597

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

Tgt Ion:178 Resp: 1817904

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

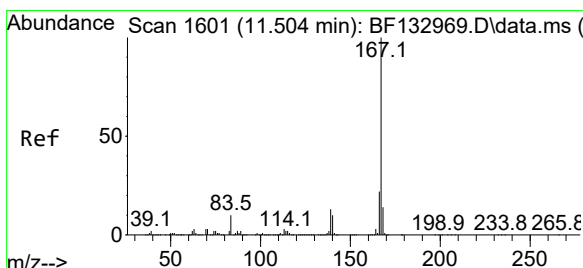
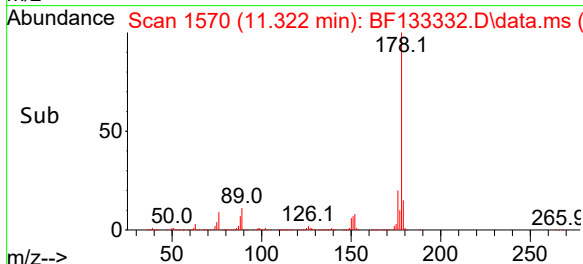
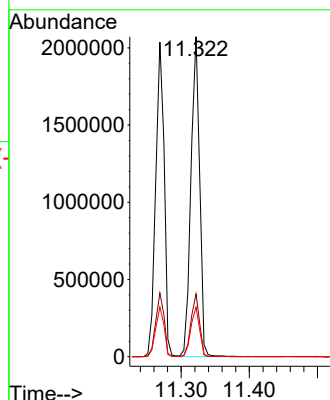
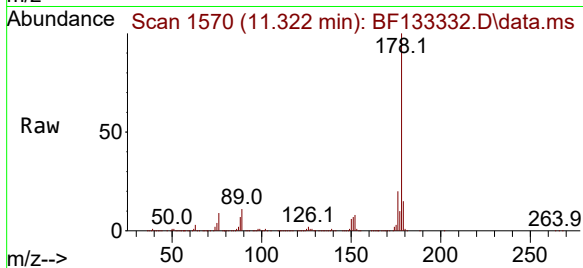
179 15.5 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#73

Carbazole

Concen: 44.189 ng

RT: 11.480 min Scan# 1597

Delta R.T. 0.006 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

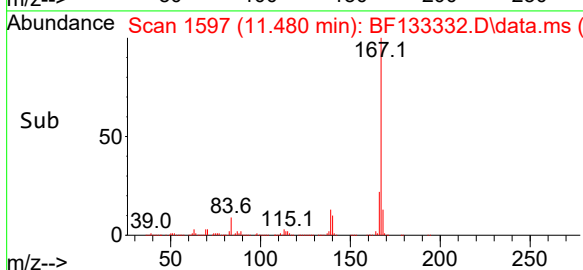
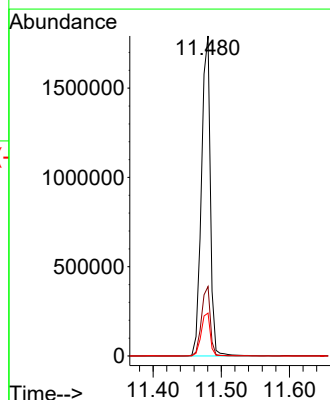
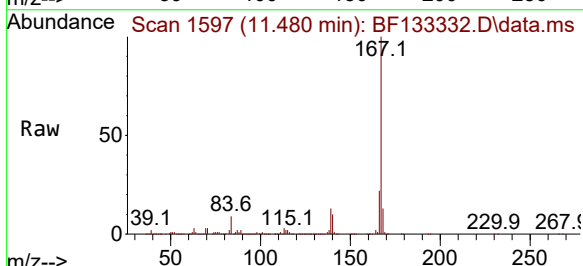
Tgt Ion:167 Resp: 1623844

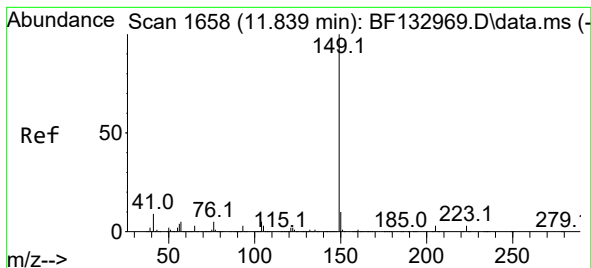
Ion Ratio Lower Upper

167 100

166 21.7 17.4 26.0

139 13.4 10.6 16.0





#74

Di-n-butylphthalate

Concen: 46.521 ng

RT: 11.810 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133332.D

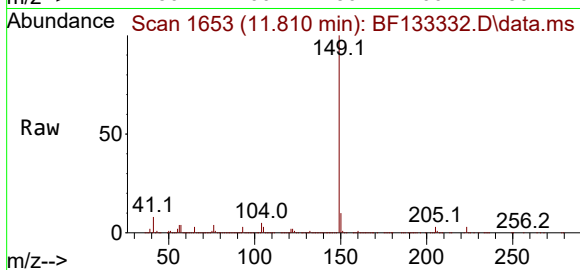
Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD



Tgt Ion:149 Resp: 193458

Ion Ratio Lower Upper

149 100

150 9.6 7.6 11.4

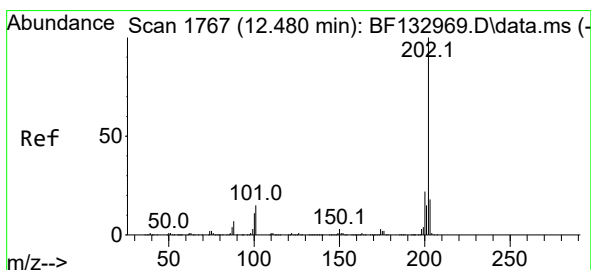
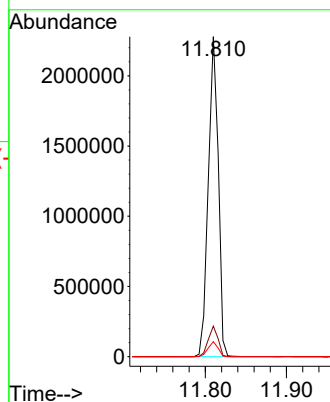
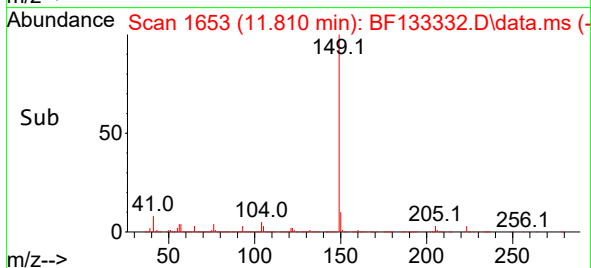
104 4.7 4.0 6.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#75

Fluoranthene

Concen: 41.479 ng

RT: 12.457 min Scan# 1763

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

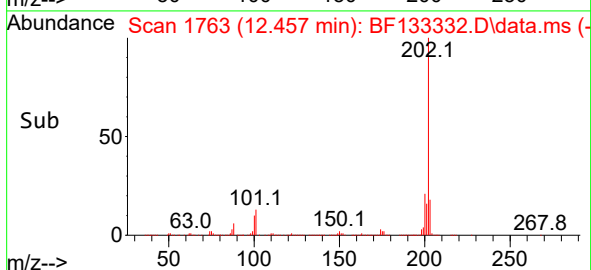
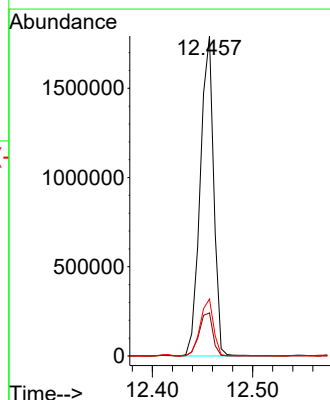
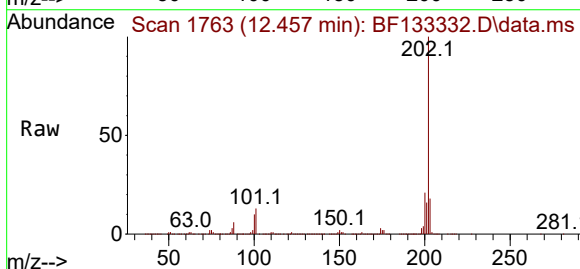
Tgt Ion:202 Resp: 1678728

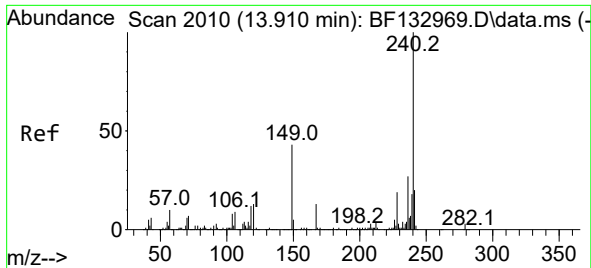
Ion Ratio Lower Upper

202 100

101 13.5 0.0 35.3

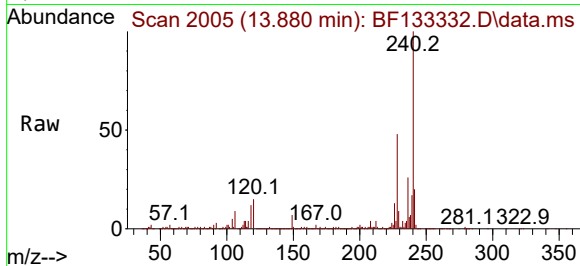
203 17.8 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

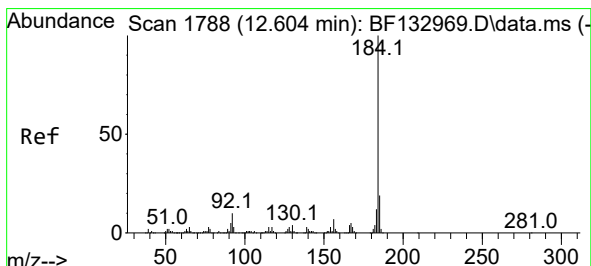
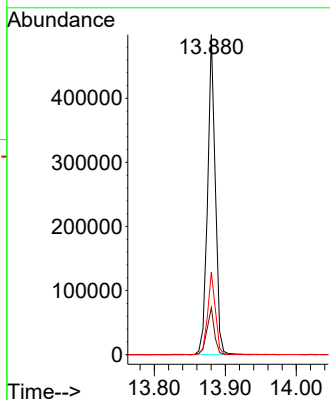
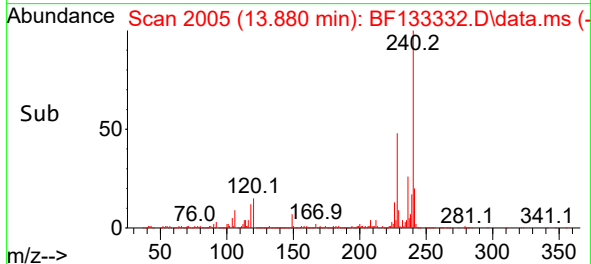
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:240 Resp: 378835
Ion Ratio Lower Upper
240 100
120 14.7 10.5 15.7
236 25.9 21.5 32.3

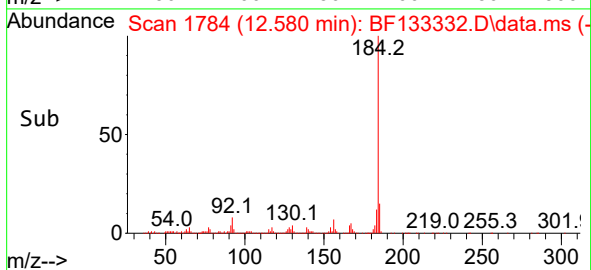
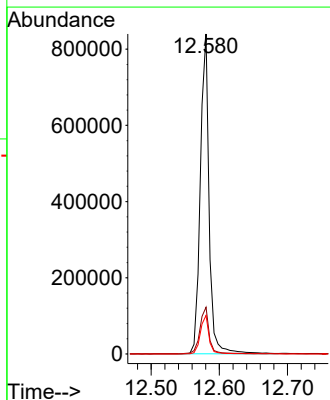
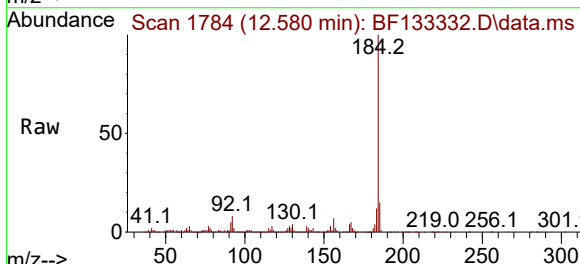
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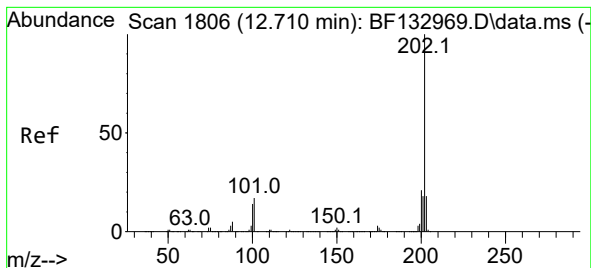
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#77
Benzidine
Concen: 117.596 ng
RT: 12.580 min Scan# 1784
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:184 Resp: 753357
Ion Ratio Lower Upper
184 100
185 14.6 15.4 23.2#
183 12.1 9.4 14.0





#78

Pyrene

Concen: 51.706 ng

RT: 12.686 min Scan# 1802

Delta R.T. 0.006 min

Lab File: BF133332.D

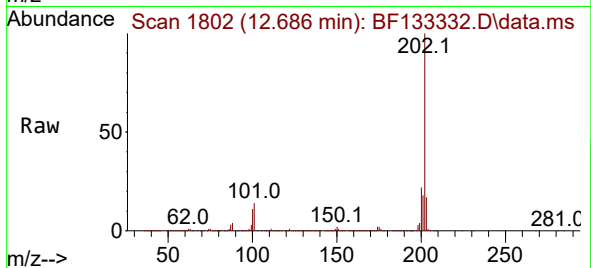
Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD



Tgt Ion:202 Resp: 167915

Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

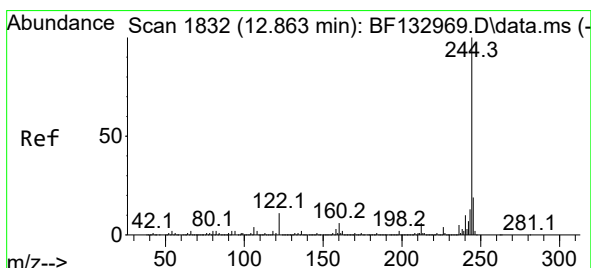
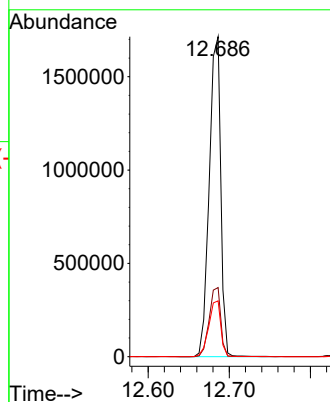
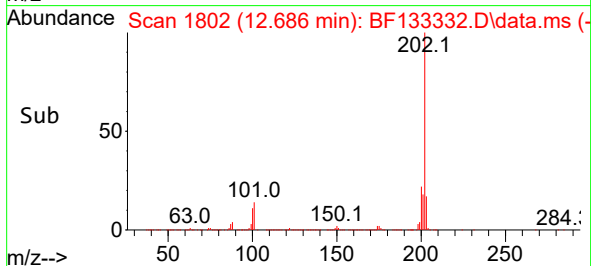
203 17.5 14.1 21.1

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Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#79

Terphenyl-d14

Concen: 90.157 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

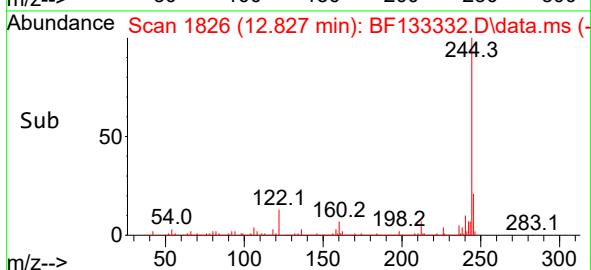
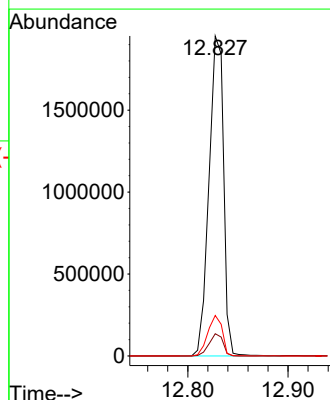
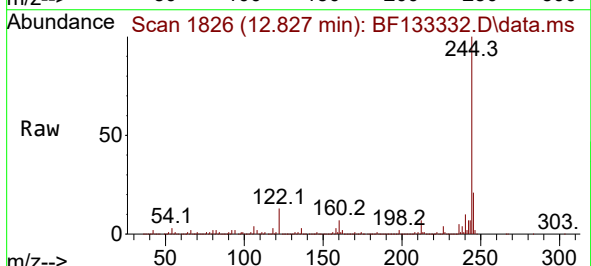
Tgt Ion:244 Resp: 1980369

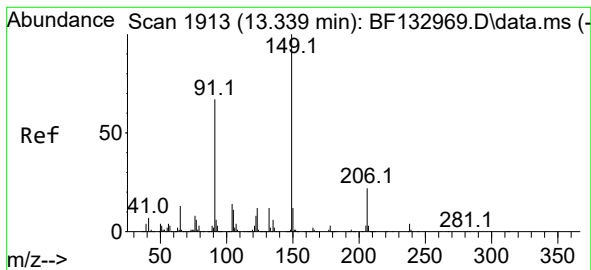
Ion Ratio Lower Upper

244 100

212 6.9 5.1 7.7

122 12.7 8.6 13.0





#80

Butylbenzylphthalate

Concen: 58.891 ng

RT: 13.304 min Scan# 1913

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD

Tgt Ion:149 Resp: 67716

Ion Ratio Lower Upper

149 100

91 71.4 53.8 80.6

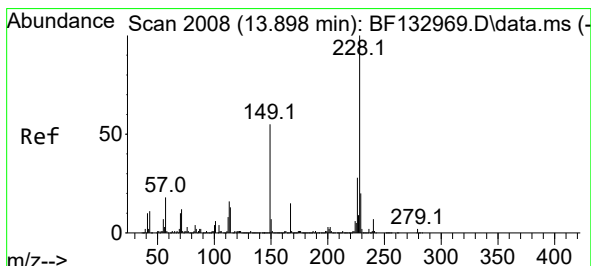
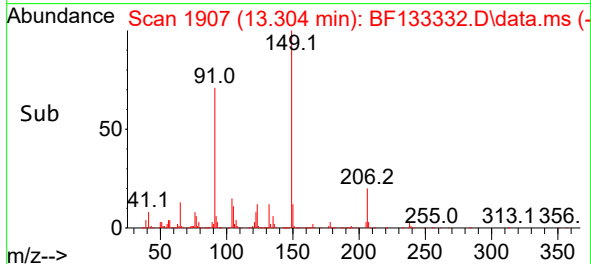
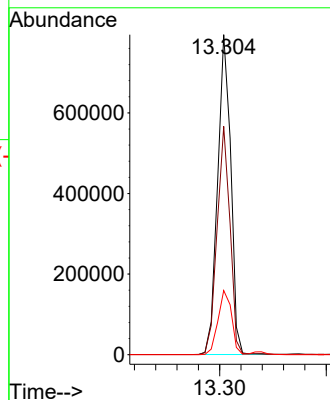
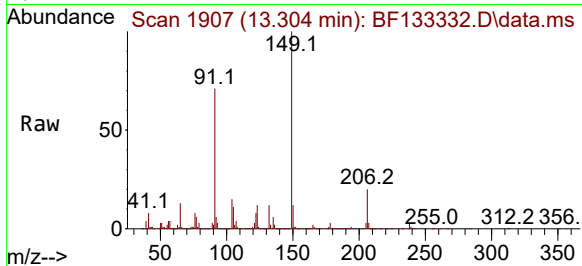
206 20.1 17.5 26.3

Manual Integrations

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Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#81

Benzo(a)anthracene

Concen: 43.517 ng

RT: 13.869 min Scan# 2003

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

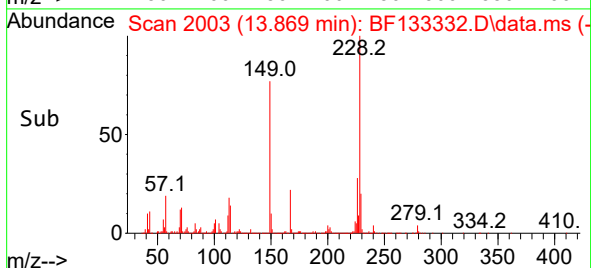
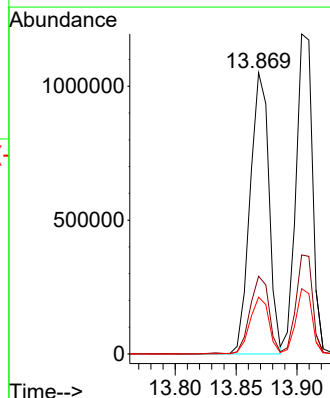
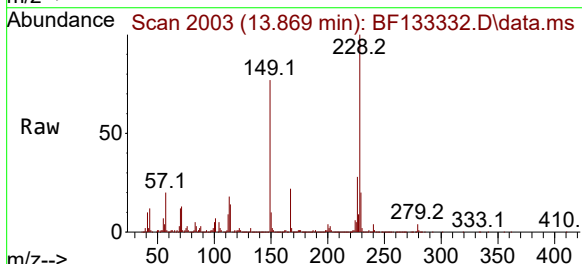
Tgt Ion:228 Resp: 1133675

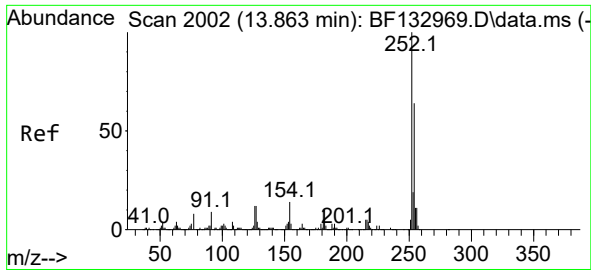
Ion Ratio Lower Upper

228 100

226 27.6 22.2 33.4

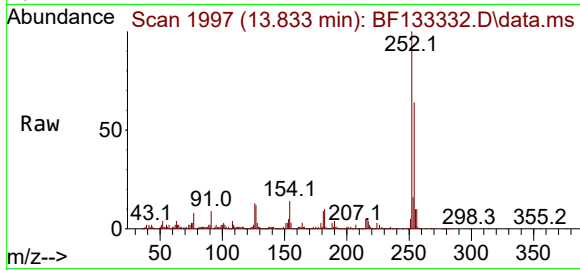
229 20.2 16.0 24.0





#82
3,3'-Dichlorobenzidine
Concen: 24.528 ng
RT: 13.833 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

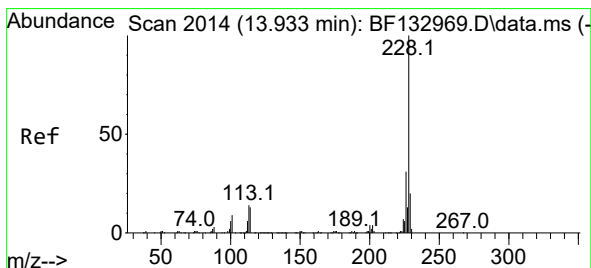
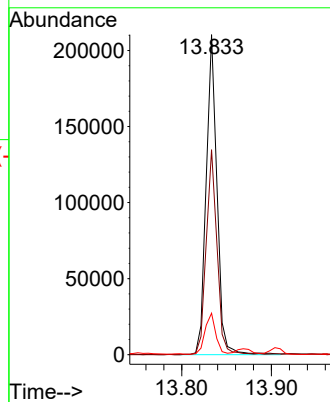
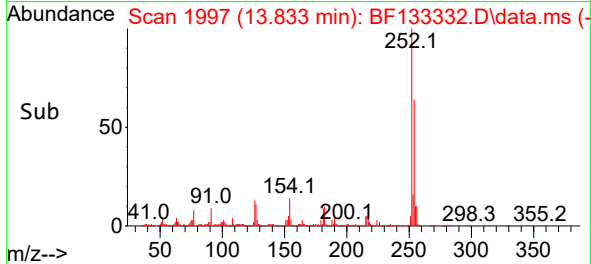
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:252 Resp: 176524
Ion Ratio Lower Upper
252 100
254 64.0 51.5 77.3
126 13.0 9.5 14.3

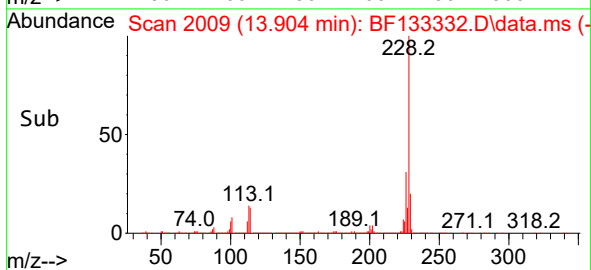
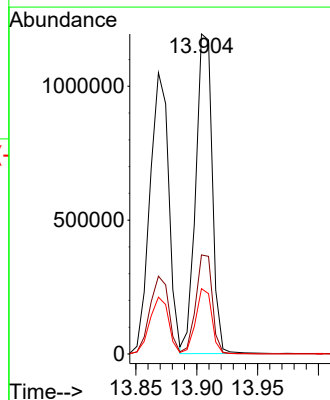
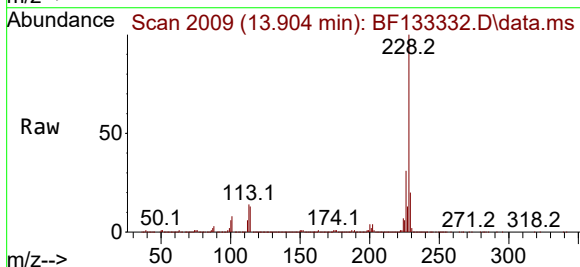
Manual Integrations
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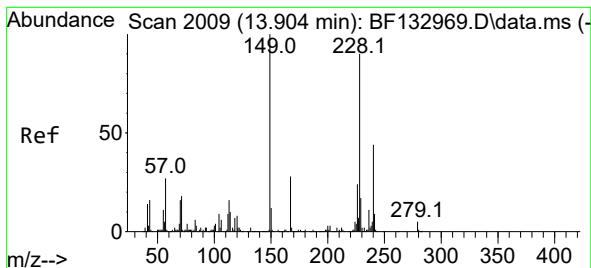
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#83
Chrysene
Concen: 43.384 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

Tgt Ion:228 Resp: 1129932
Ion Ratio Lower Upper
228 100
226 31.0 24.7 37.1
229 20.4 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 53.256 ng

RT: 13.869 min Scan# 2003

Delta R.T. 0.000 min

Lab File: BF133332.D

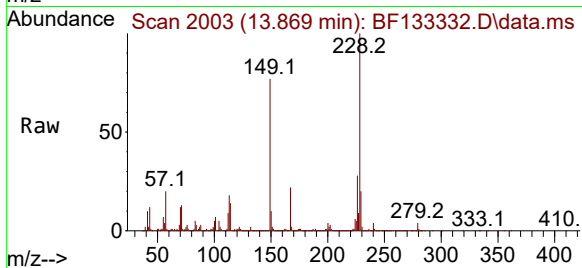
Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

SB-04_0-2_20230509MSD



Tgt Ion:149 Resp: 76862

Ion Ratio Lower Upper

149 100

167 28.7 22.5 33.7

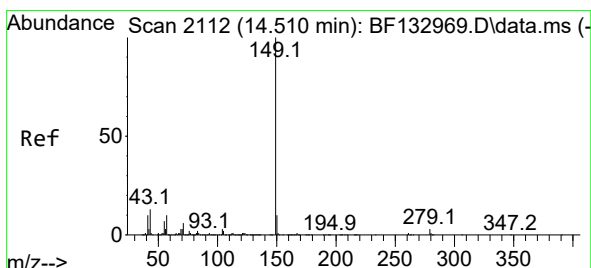
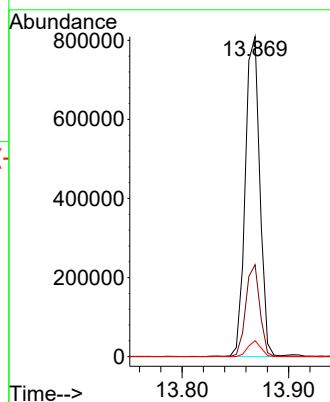
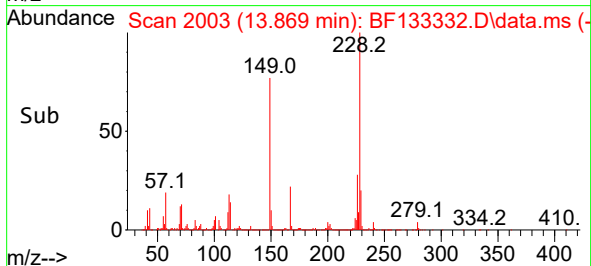
279 5.0 4.2 6.4

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Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#85

Di-n-octyl phthalate

Concen: 59.146 ng

RT: 14.480 min Scan# 2107

Delta R.T. 0.000 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

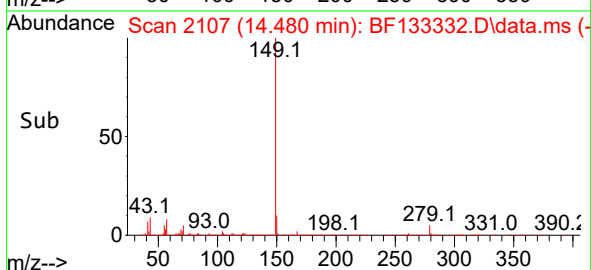
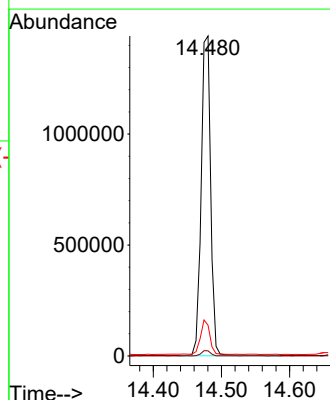
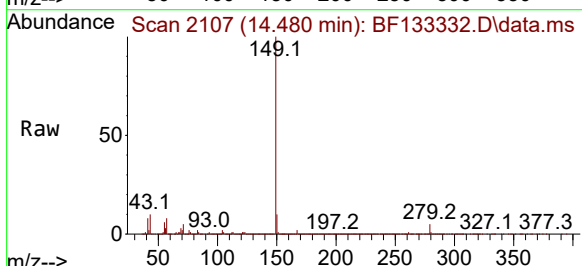
Tgt Ion:149 Resp: 1391916

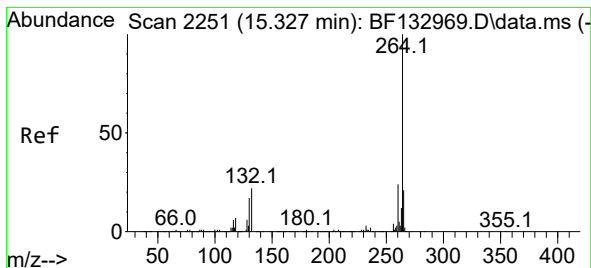
Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.5 9.5 14.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133332.D

Acq: 10 May 2023 15:56

Instrument :

BNA_F

ClientSampleId :

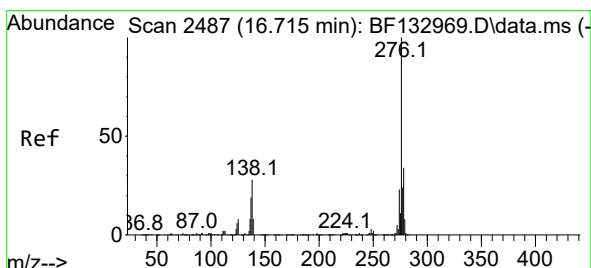
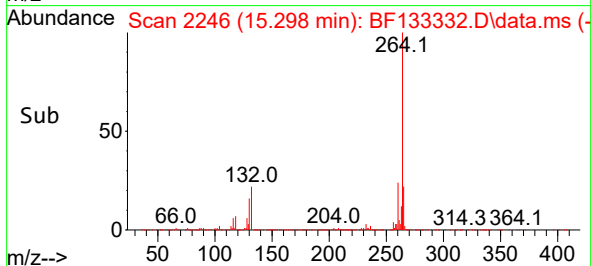
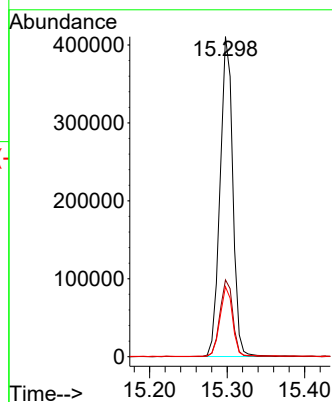
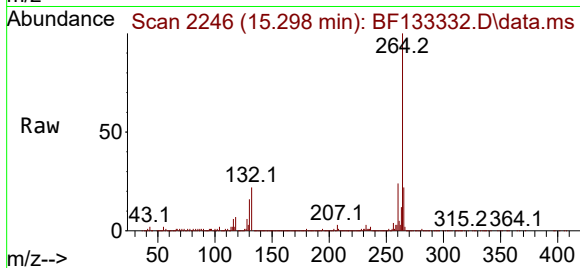
SB-04_0-2_20230509MSD

Tgt Ion:264 Resp: 46744

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.9	17.0	25.4

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Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 57.815 ng

RT: 16.692 min Scan# 2483

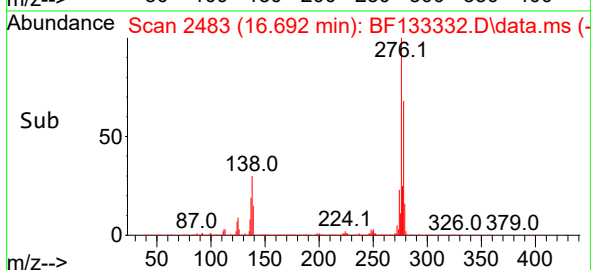
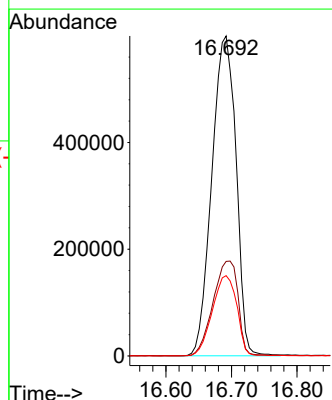
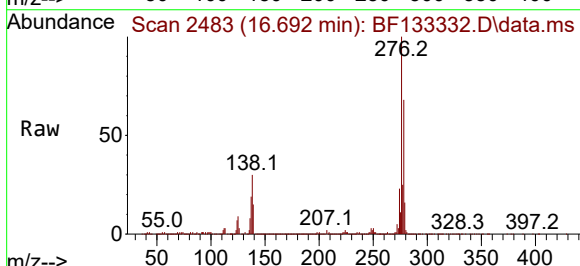
Delta R.T. 0.018 min

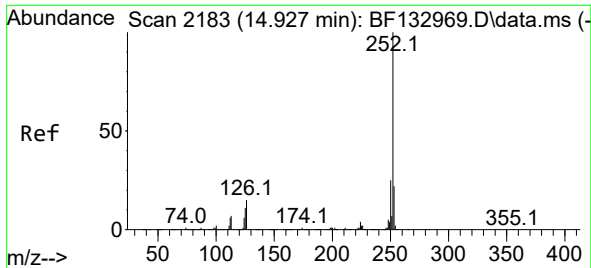
Lab File: BF133332.D

Acq: 10 May 2023 15:56

Tgt Ion:276 Resp: 1537235

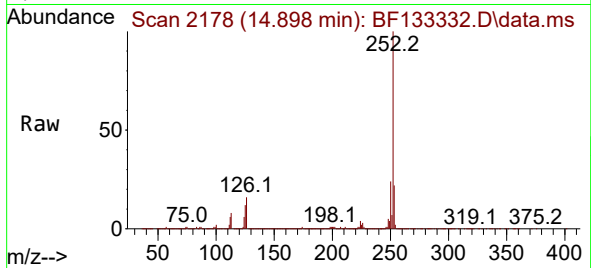
Ion	Ratio	Lower	Upper
276	100		
138	30.7	25.5	38.3
277	25.4	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 43.003 ng
RT: 14.898 min Scan# 2178
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

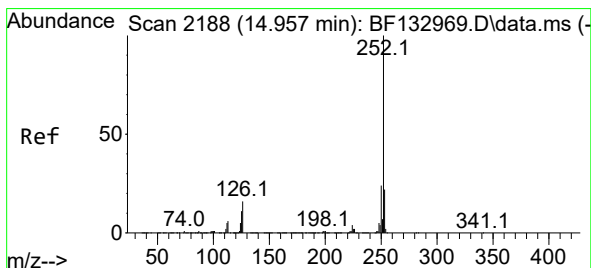
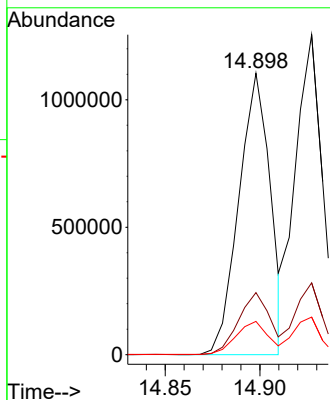
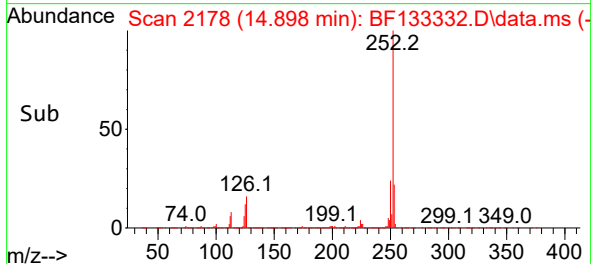
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:252 Resp: 127882
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 11.8 8.9 13.3

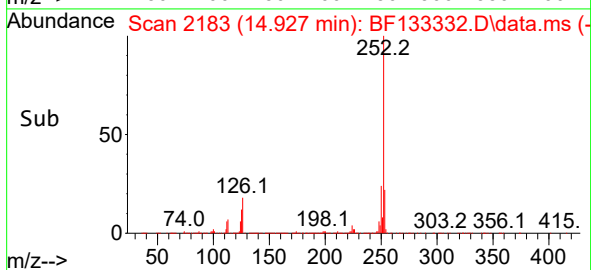
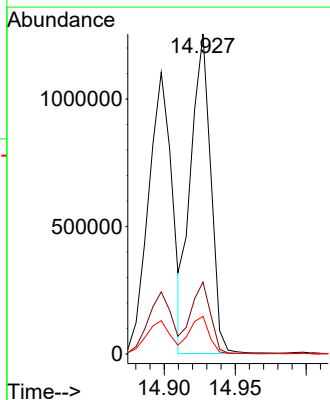
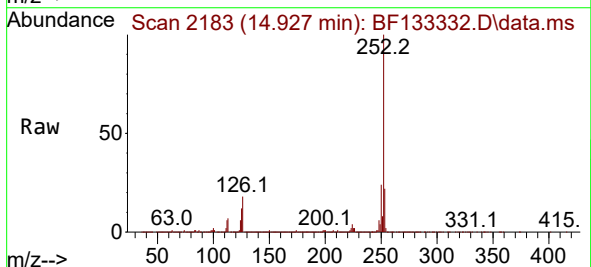
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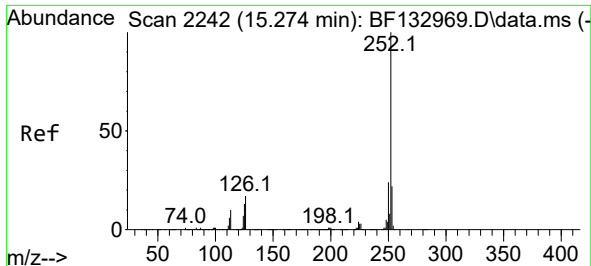
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#89
Benzo(k)fluoranthene
Concen: 41.517 ng
RT: 14.927 min Scan# 2183
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

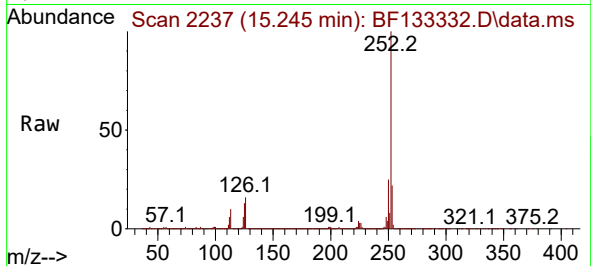
Tgt Ion:252 Resp: 1223877
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 11.7 9.0 13.4





#90
Benzo(a)pyrene
Concen: 43.240 ng
RT: 15.245 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

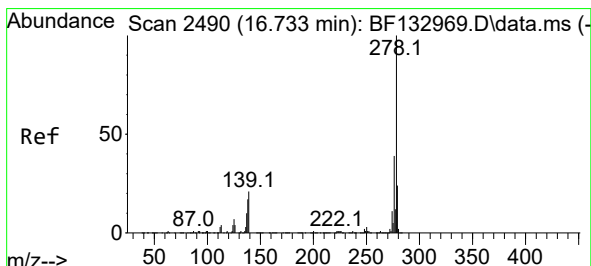
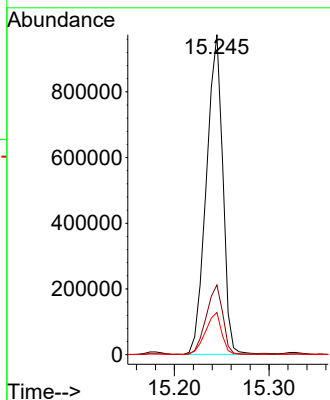
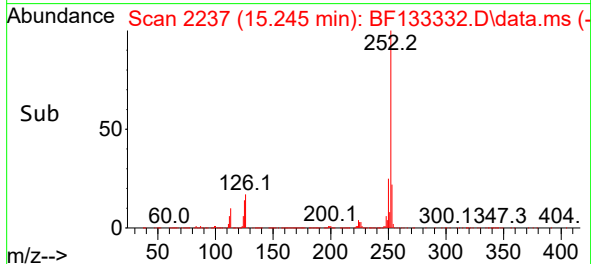
Instrument :
BNA_F
ClientSampleId :
SB-04_0-2_20230509MSD



Tgt Ion:252 Resp: 117040
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 13.2 10.5 15.7

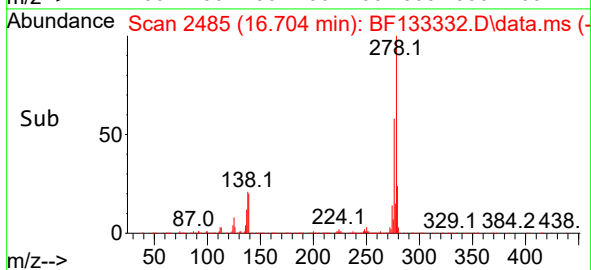
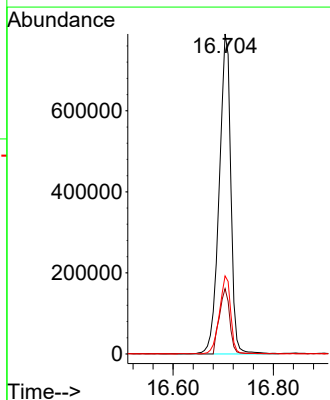
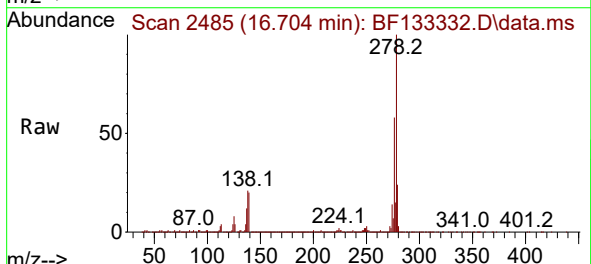
Manual Integrations
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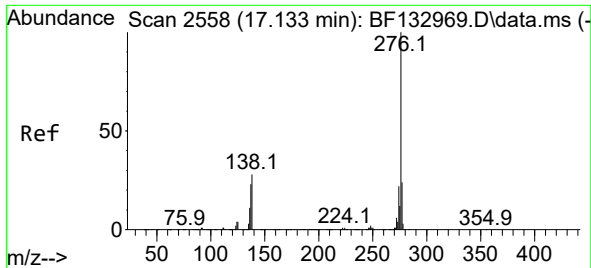
Reviewed By :Christian Giraldo 05/12/2023
Supervised By :Jagrut Upadhyay 05/15/2023



#91
Dibenzo(a,h)anthracene
Concen: 57.068 ng
RT: 16.704 min Scan# 2485
Delta R.T. 0.012 min
Lab File: BF133332.D
Acq: 10 May 2023 15:56

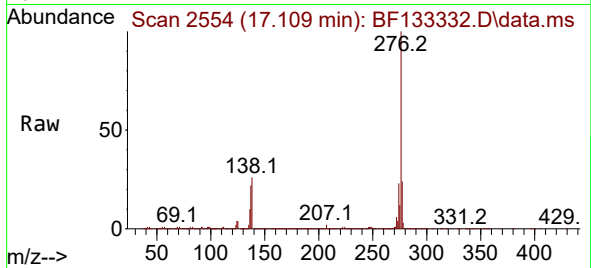
Tgt Ion:278 Resp: 1265570
Ion Ratio Lower Upper
278 100
139 20.4 16.6 24.8
279 24.4 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 58.029 ng
 RT: 17.109 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BF133332.D
 Acq: 10 May 2023 15:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-04_0-2_20230509MSD



Tgt Ion: 276 Resp: 127049

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	25.8	22.7	34.1

Manual Integrations
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Reviewed By : Christian Giraldo 05/12/2023
 Supervised By : Jagrut Upadhyay 05/15/2023

