Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133318.D
Acq On : 09 May 2023 15:35
Operator : CG\JU
Sample : 02665-08MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02MSD

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

Quant Time: May 10 01:47:17 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.722	152	176906	20.000	ng		0.00
21) Naphthalene-d8	8.004	136	736851	20.000	ng		0.00
39) Acenaphthene-d10	9.757	164	382676	20.000	ng		0.00
64) Phenanthrene-d10	11.239	188	689320	20.000	ng		0.00
76) Chrysene-d12	13.874	240	332290	20.000	ng		0.00
86) Perylene-d12	15.292	264	392449	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.340	112	1111181	94.884	ng		0.01
7) Phenol-d6	6.369	99	1362267	93.719	ng		0.00
23) Nitrobenzene-d5	7.287	82	827023	60.582	ng		0.00
42) 2,4,6-Tribromophenol	10.551	330	335656	87.216	ng		0.00
45) 2-Fluorobiphenyl	9.081	172	1479135	64.665	ng		0.00
79) Terphenyl-d14	12.827	244	1428672	74.152	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.458	88	252498	46.484	ng		97
3) Pyridine	3.146	79	629850	43.657	ng		96
4) n-Nitrosodimethylamine	3.110	42	348296	46.609	ng		99
6) Aniline	6.381	93	560641	29.946	ng	#	2
8) 2-Chlorophenol	6.510	128	610105	51.311	ng		93
10) Phenol	6.381	94	734119	45.781	ng		79
11) bis(2-Chloroethyl)ether	6.457	93	579902	48.192	ng		98
12) 1,3-Dichlorobenzene	6.663	146	644451	50.978	ng		98
13) 1,4-Dichlorobenzene	6.740	146	650245	51.323	ng		97
14) 1,2-Dichlorobenzene	6.893	146	617748	52.887	ng		99
15) Benzyl Alcohol	6.869	79	515709	51.362	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.004	45	922853	44.155	ng		94
17) 2-Methylphenol	6.987	107	499933	45.917	ng		97
18) Hexachloroethane	7.234	117	231156	52.478	ng		94
19) n-Nitroso-di-n-propyla...	7.145	70	391793	43.296	ng		95
20) 3+4-Methylphenols	7.140	107	607735	47.397	ng	#	89
22) Acetophenone	7.134	105	820587	48.075	ng	#	95
24) Nitrobenzene	7.310	77	627470	45.360	ng		97
25) Isophorone	7.545	82	1149037	44.332	ng		98
26) 2-Nitrophenol	7.622	139	344021	51.561	ng		97
27) 2,4-Dimethylphenol	7.669	122	555859	48.585	ng		98
28) bis(2-Chloroethoxy)met...	7.763	93	689357	44.958	ng		99
29) 2,4-Dichlorophenol	7.869	162	497886	47.804	ng		99
30) 1,2,4-Trichlorobenzene	7.951	180	512060	47.457	ng		98
31) Naphthalene	8.028	128	1708228	46.369	ng		98
32) Benzoic acid	7.792	122	282735m	40.008	ng		
33) 4-Chloroaniline	8.081	127	179289	12.045	ng		96
34) Hexachlorobutadiene	8.145	225	282787	47.286	ng		99
35) Caprolactam	8.463	113	187473m	53.582	ng		
36) 4-Chloro-3-methylphenol	8.575	107	546505	48.659	ng		98
37) 2-Methylnaphthalene	8.722	142	1138375	45.197	ng		99
38) 1-Methylnaphthalene	8.816	142	1086943	46.132	ng		100
40) 1,2,4,5-Tetrachloroben...	8.886	216	464243	45.120	ng		99
41) Hexachlorocyclopentadiene	8.875	237	470773	78.454	ng		99
43) 2,4,6-Trichlorophenol	9.004	196	334494	47.008	ng		99
44) 2,4,5-Trichlorophenol	9.045	196	360373	43.791	ng		97

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QLast Update : Tue May 09 04:59:36 2023
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Instrument :
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ClientSampleId :
TR-612-COMP-02MSD

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.186	154	1394694	45.962	ng		98
47) 2-Chloronaphthalene	9.210	162	1047755	47.175	ng		99
48) 2-Nitroaniline	9.304	65	351897	47.940	ng		92
49) Acenaphthylene	9.622	152	1650837	46.518	ng		100
50) Dimethylphthalate	9.492	163	1244817	46.652	ng		98
51) 2,6-Dinitrotoluene	9.551	165	289199	48.154	ng		88
52) Acenaphthene	9.792	154	1167794m	49.132	ng		
53) 3-Nitroaniline	9.716	138	207770	29.096	ng		99
54) 2,4-Dinitrophenol	9.828	184	233120	77.224	ng		96
55) Dibenzofuran	9.969	168	1456344	44.918	ng		100
56) 4-Nitrophenol	9.892	139	481625	87.081	ng		91
57) 2,4-Dinitrotoluene	9.951	165	382138	49.894	ng		99
58) Fluorene	10.310	166	1113664	46.883	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.086	232	293942	46.073	ng		99
60) Diethylphthalate	10.186	149	1169588	46.405	ng		100
61) 4-Chlorophenyl-phenyle...	10.298	204	514565	44.452	ng		95
62) 4-Nitroaniline	10.333	138	320382	48.815	ng		96
63) Azobenzene	10.463	77	1326651	49.688	ng		94
65) 4,6-Dinitro-2-methylph...	10.363	198	182433	43.664	ng		88
66) n-Nitrosodiphenylamine	10.422	169	1007065	45.039	ng		98
67) 4-Bromophenyl-phenylether	10.786	248	327526	43.810	ng	#	90
68) Hexachlorobenzene	10.857	284	352874	46.063	ng		97
69) Atrazine	10.951	200	352473	54.708	ng		98
70) Pentachlorophenol	11.051	266	366729	67.217	ng		99
71) Phenanthrene	11.269	178	1945160	52.502	ng		99
72) Anthracene	11.322	178	1739187	45.870	ng		99
73) Carbazole	11.475	167	1553009	46.000	ng		100
74) Di-n-butylphthalate	11.810	149	1840869	48.183	ng		99
75) Fluoranthene	12.451	202	1822088	49.004	ng		99
77) Benzidine	12.575	184	692884	123.307	ng	#	93
78) Pyrene	12.680	202	1843408	64.715	ng		99
80) Butylbenzylphthalate	13.304	149	656523	65.094	ng		98
81) Benzo(a)anthracene	13.869	228	1141196	49.942	ng		99
82) 3,3'-Dichlorobenzidine	13.827	252	233378	36.971	ng		99
83) Chrysene	13.904	228	1144058	50.079	ng		100
84) Bis(2-ethylhexyl)phtha...	13.863	149	742147	58.624	ng	#	99
85) Di-n-octyl phthalate	14.474	149	1271622	61.604	ng		97
87) Indeno(1,2,3-cd)pyrene	16.680	276	1304591	58.441	ng		97
88) Benzo(b)fluoranthene	14.892	252	1210961	48.502	ng		98
89) Benzo(k)fluoranthene	14.921	252	1142691	46.170	ng		100
90) Benzo(a)pyrene	15.239	252	1121912	49.368	ng		99
91) Dibenzo(a,h)anthracene	16.692	278	1053332	56.574	ng		98
92) Benzo(g,h,i)perylene	17.098	276	1014130	55.171	ng		97

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

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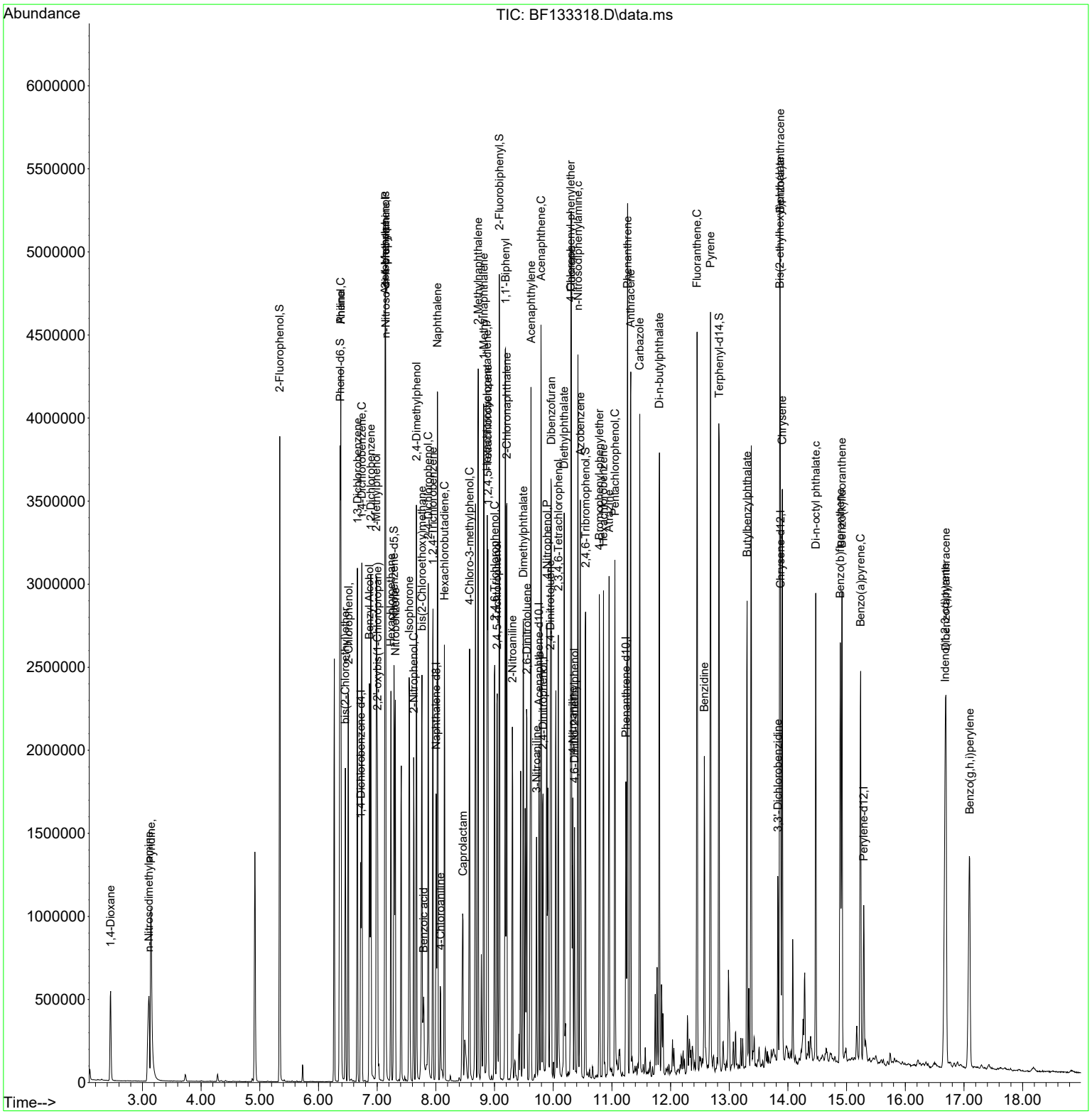
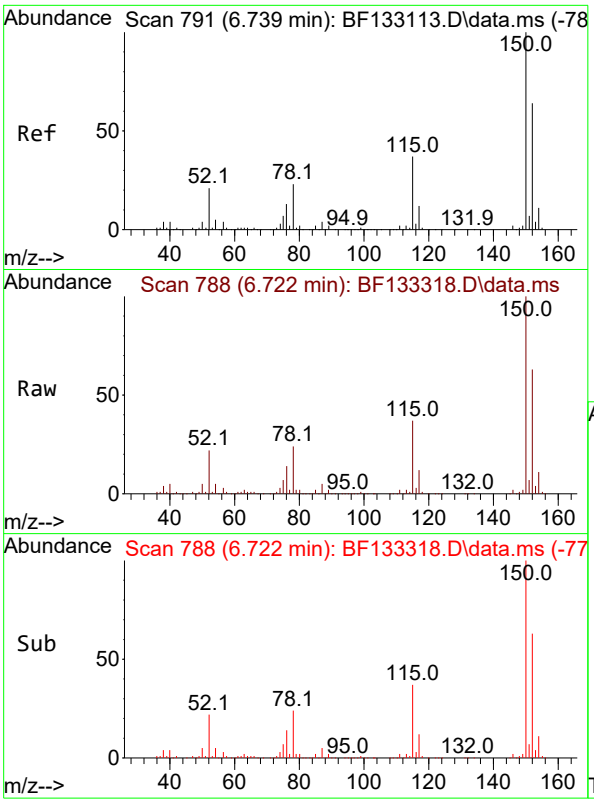
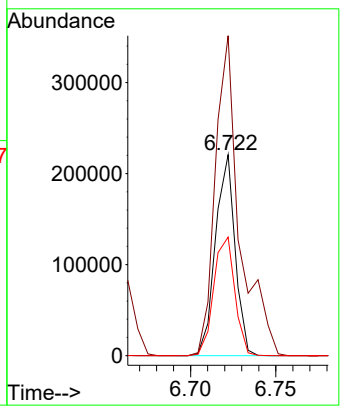




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:152 Resp: 17690

Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.8	187.2
115	59.1	49.9	74.9



Instrument :
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TR-612-COMP-02MSD

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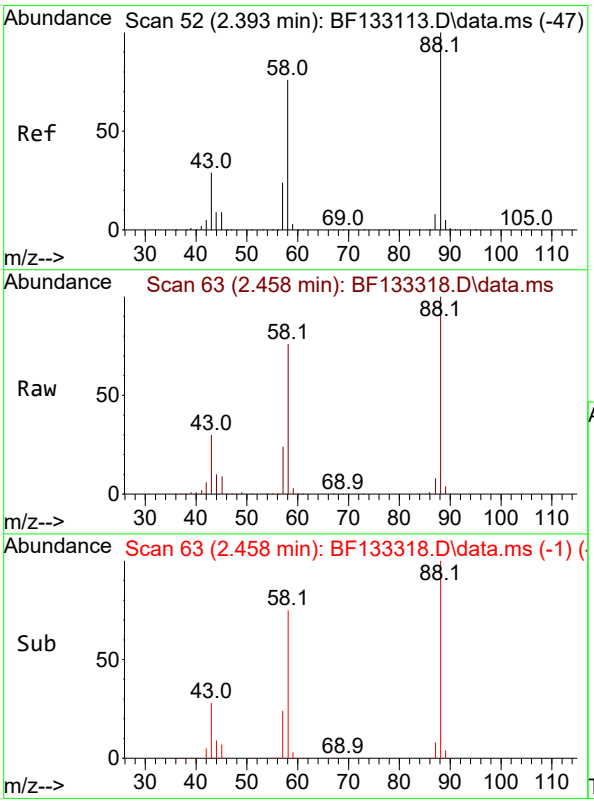
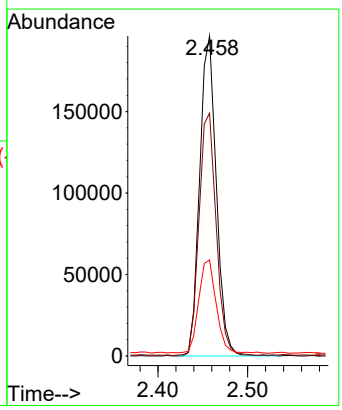
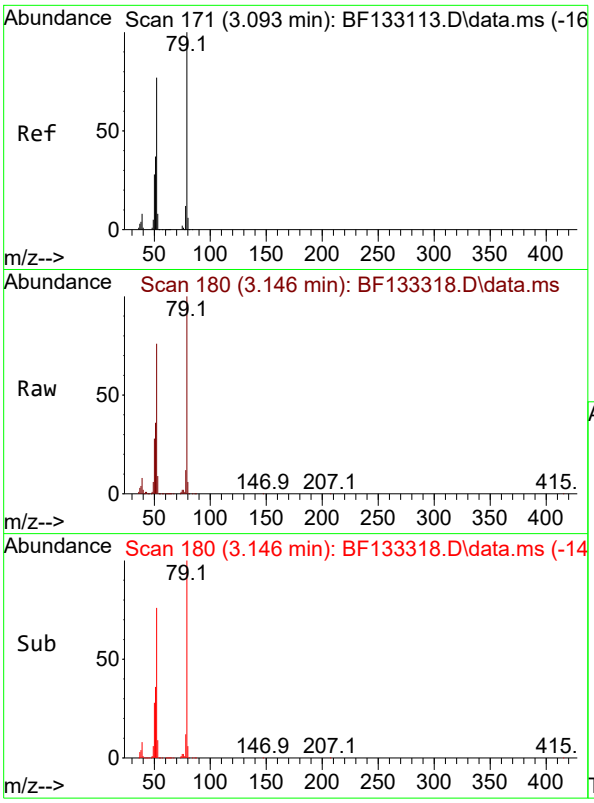


#2
1,4-Dioxane
Concen: 46.484 ng
RT: 2.458 min Scan# 63
Delta R.T. 0.088 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 88 Resp: 252498

Ion	Ratio	Lower	Upper
88	100		
58	78.3	64.7	97.1
43	30.9	26.2	39.2

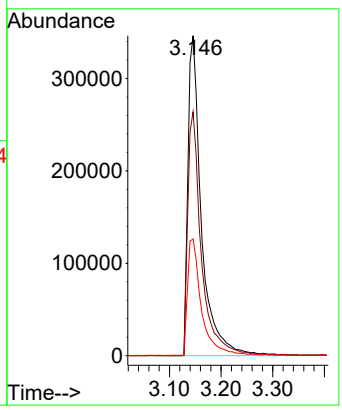




#3
Pyridine
Concen: 43.657 ng
RT: 3.146 min Scan# 1
Delta R.T. 0.083 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 79 Resp: 62985

Ion	Ratio	Lower	Upper
79	100		
52	76.2	64.6	96.8
51	36.5	30.0	45.0



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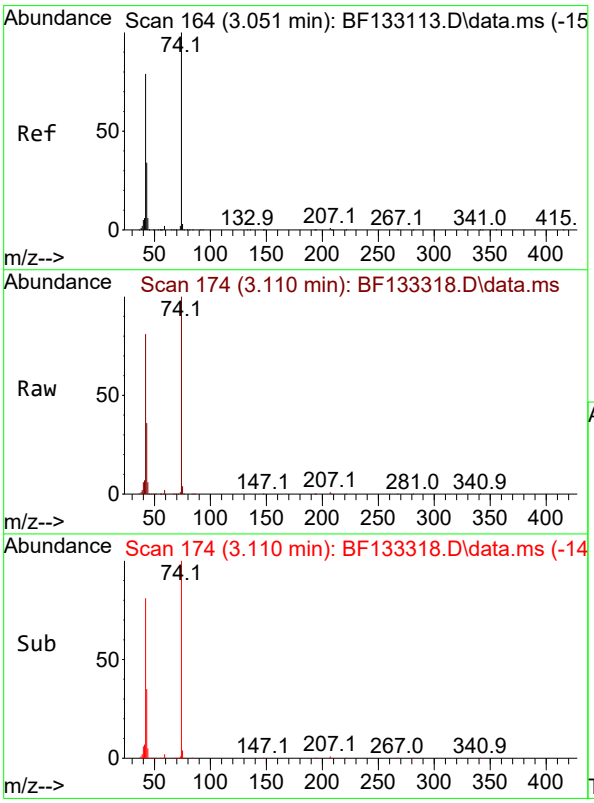
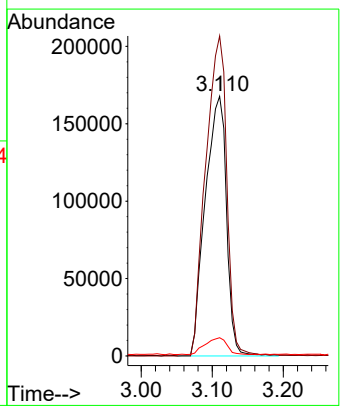
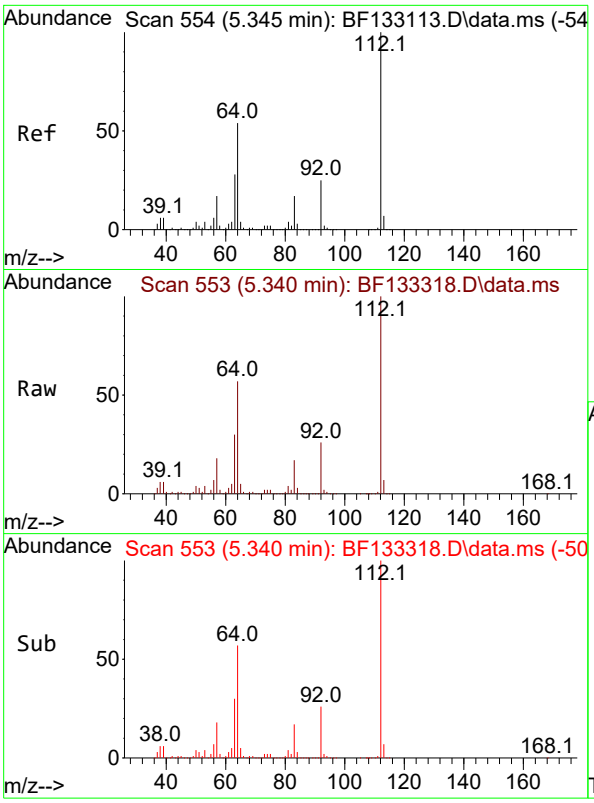


#4
n-Nitrosodimethylamine
Concen: 46.609 ng
RT: 3.110 min Scan# 174
Delta R.T. 0.077 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 42 Resp: 348296

Ion	Ratio	Lower	Upper
42	100		
74	123.2	98.0	147.0
44	7.0	5.8	8.8





#5
2-Fluorophenol
Concen: 94.884 ng
RT: 5.340 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:112 Resp: 111118

Ion	Ratio	Lower	Upper
112	100		
64	57.5	46.8	70.2
63	29.6	23.8	35.8

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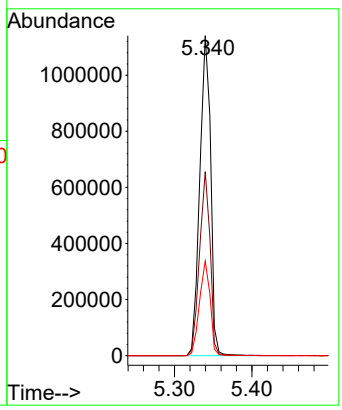
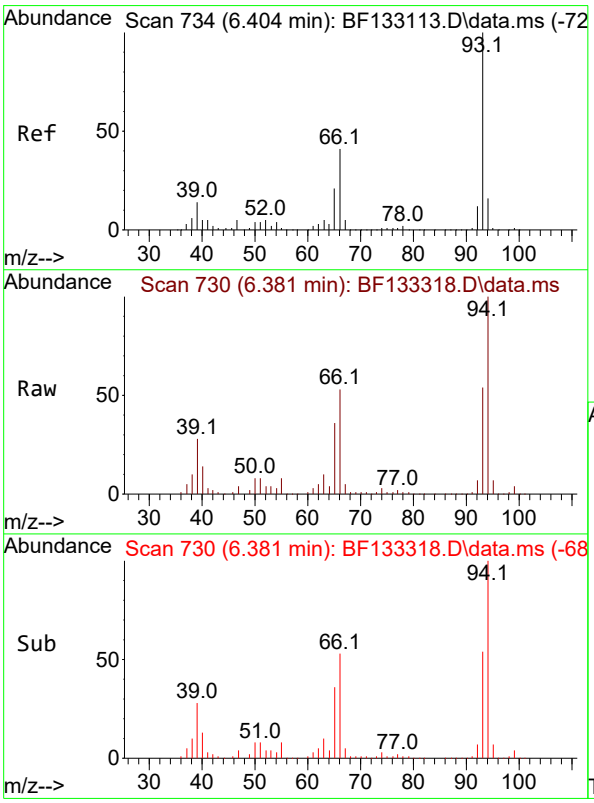
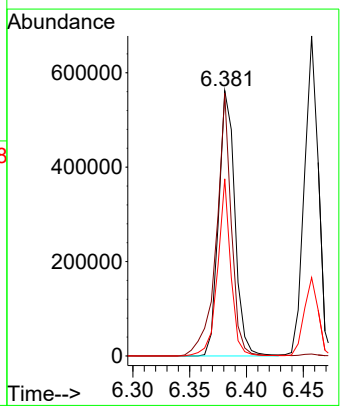


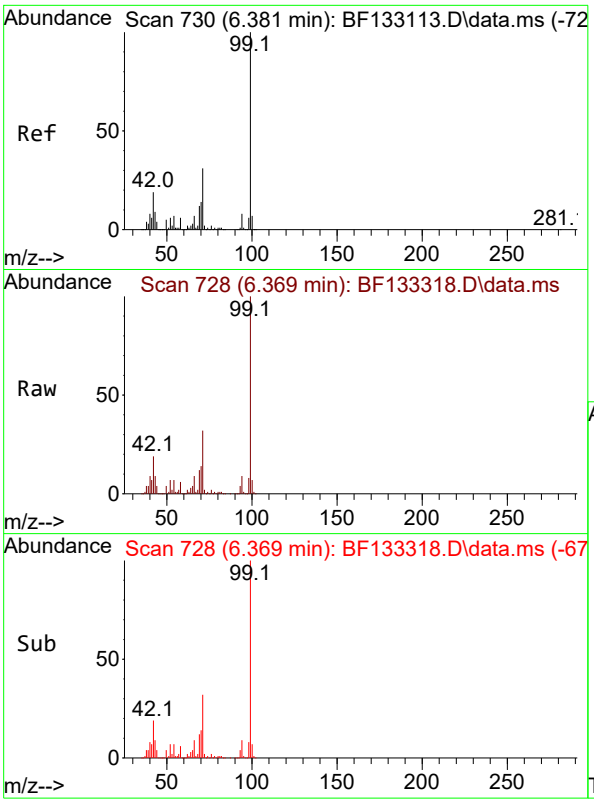


#6
Aniline
Concen: 29.946 ng
RT: 6.381 min Scan# 730
Delta R.T. -0.012 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 93 Resp: 560641

Ion	Ratio	Lower	Upper
93	100		
66	99.0	31.5	47.3#
65	66.8	16.4	24.6#

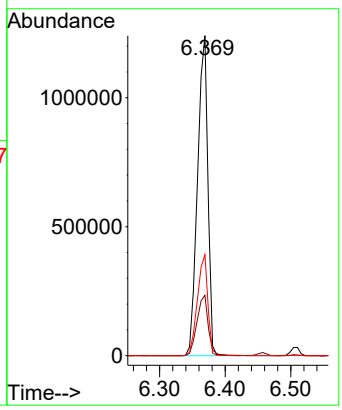




#7
Phenol-d6
Concen: 93.719 ng
RT: 6.369 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 99 Resp: 136226

Ion	Ratio	Lower	Upper
99	100		
42	18.9	16.3	24.5
71	31.5	25.6	38.4



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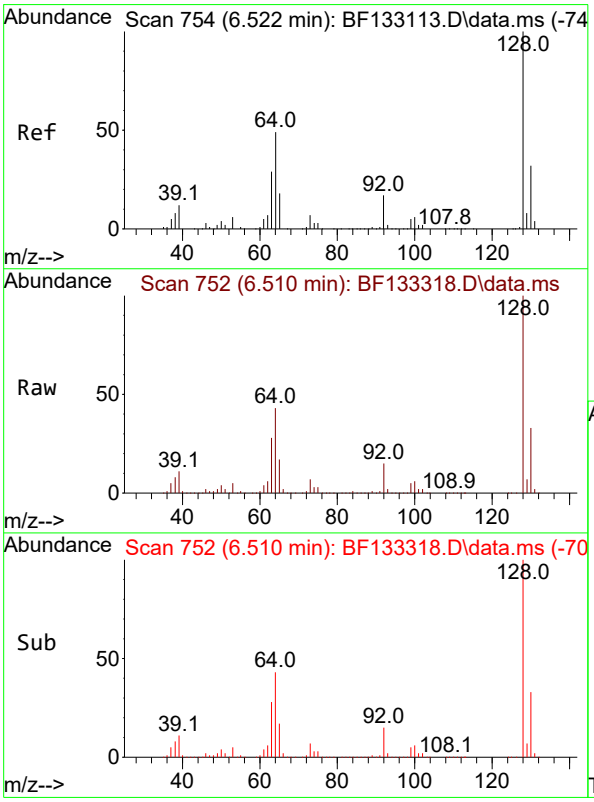
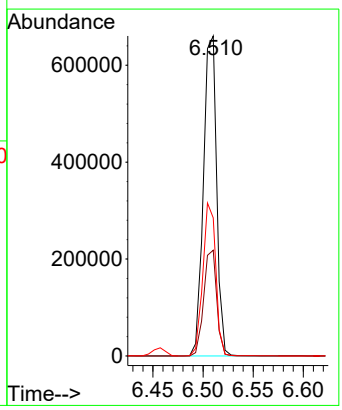
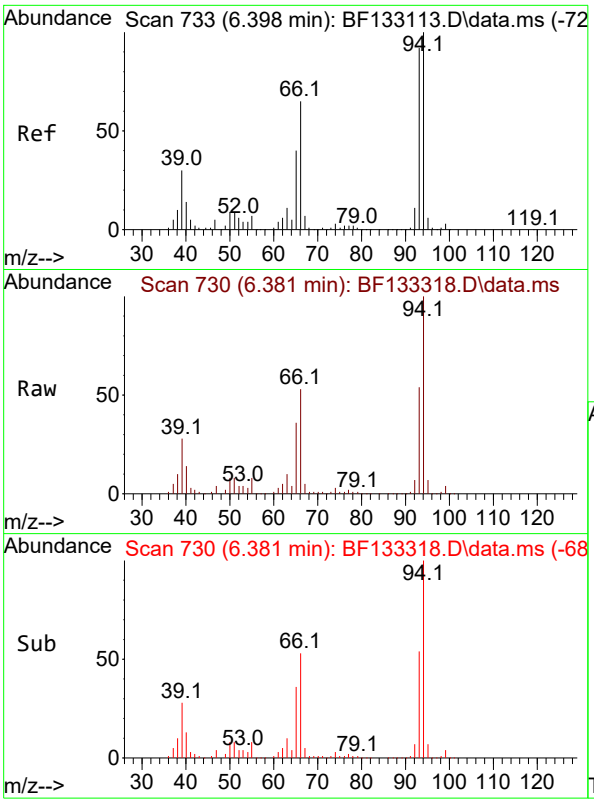


#8
2-Chlorophenol
Concen: 51.311 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:128 Resp: 610105

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.2	52.2
64	43.2	30.3	70.3

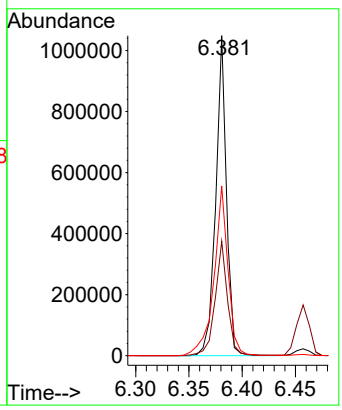




#10
Phenol
Concen: 45.781 ng
RT: 6.381 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 94 Resp: 73411

Ion	Ratio	Lower	Upper
94	100		
65	35.8	8.6	48.6
66	53.0	17.3	57.3



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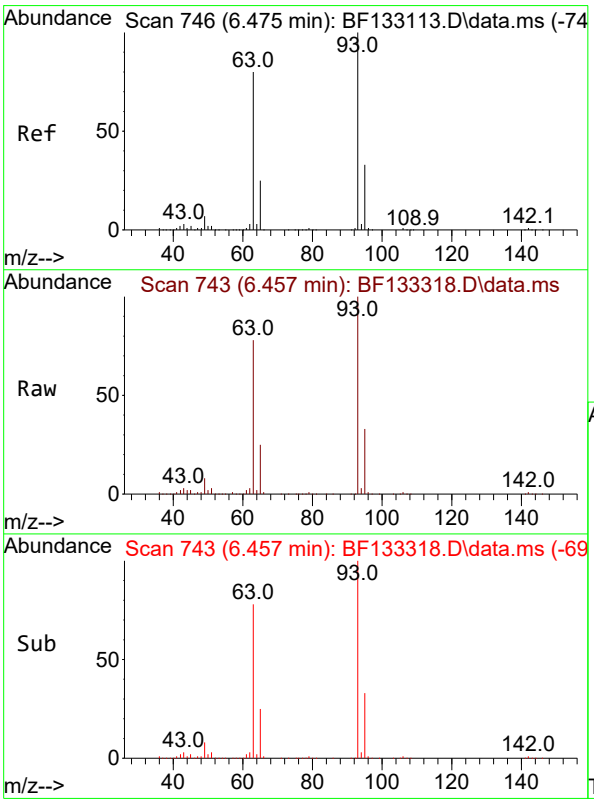
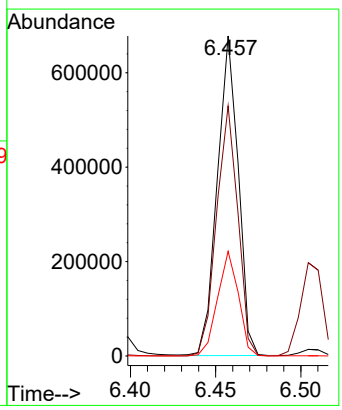
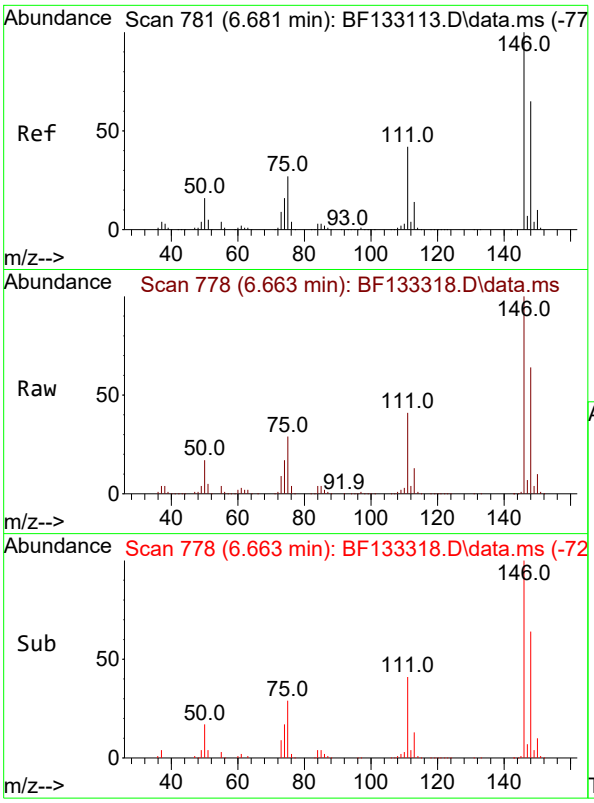


#11
bis(2-Chloroethyl)ether
Concen: 48.192 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 93 Resp: 579902

Ion	Ratio	Lower	Upper
93	100		
63	78.2	60.6	100.6
95	32.7	12.9	52.9

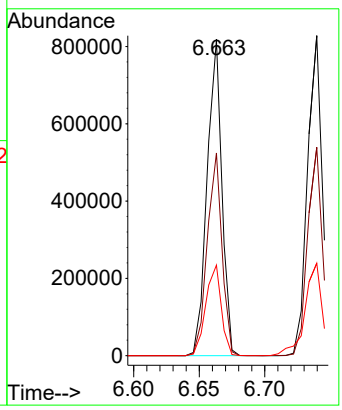




#12
1,3-Dichlorobenzene
Concen: 50.978 ng
RT: 6.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:146 Resp: 64445

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
75	28.6	24.8	37.2



Instrument :
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ClientSampleId :
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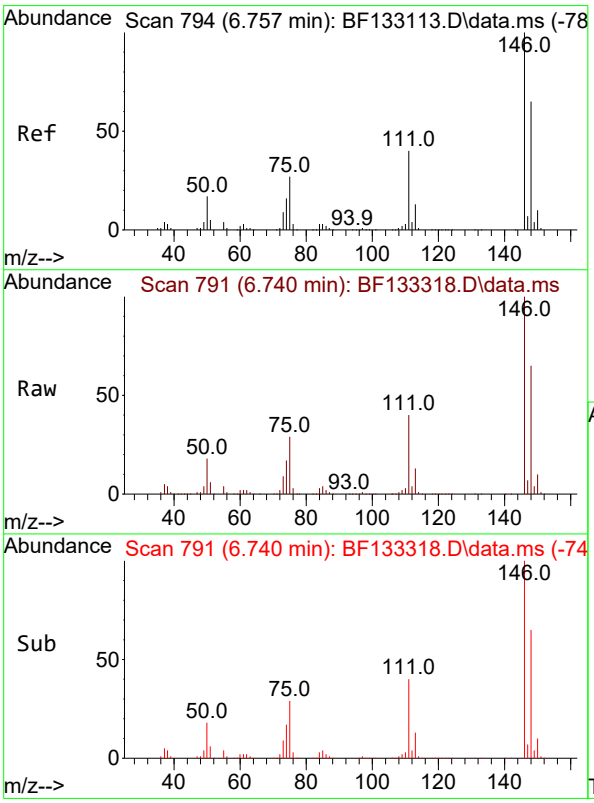
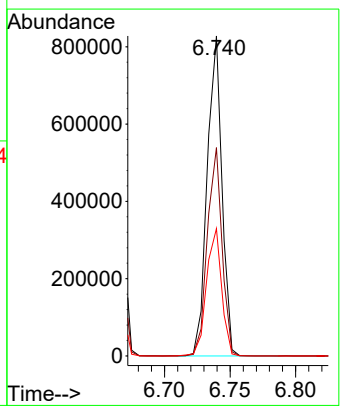
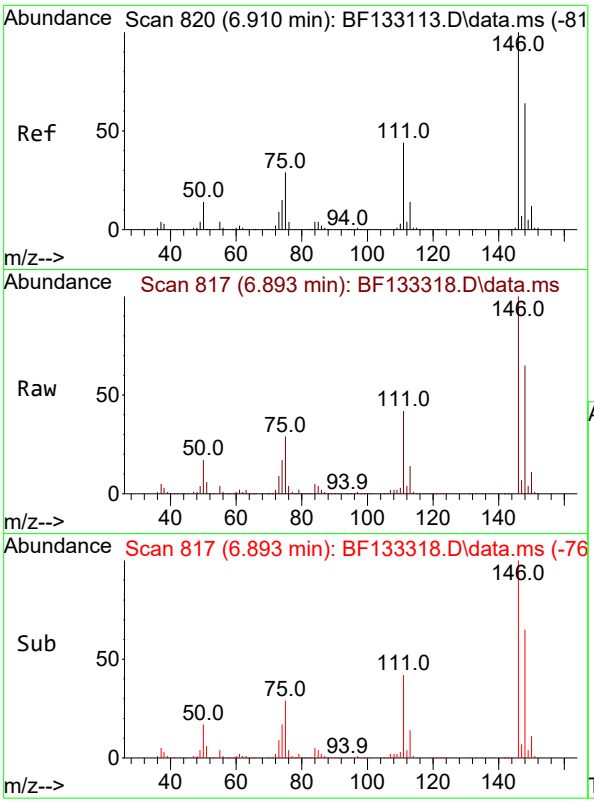


#13
1,4-Dichlorobenzene
Concen: 51.323 ng
RT: 6.740 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:146 Resp: 650245

Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.3	75.5
111	39.8	33.8	50.6

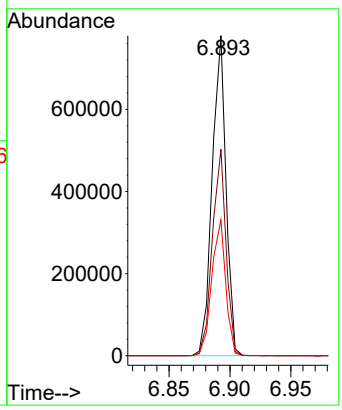




#14
1,2-Dichlorobenzene
Concen: 52.887 ng
RT: 6.893 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:146 Resp: 61774

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.2	78.2
111	42.5	32.8	49.2



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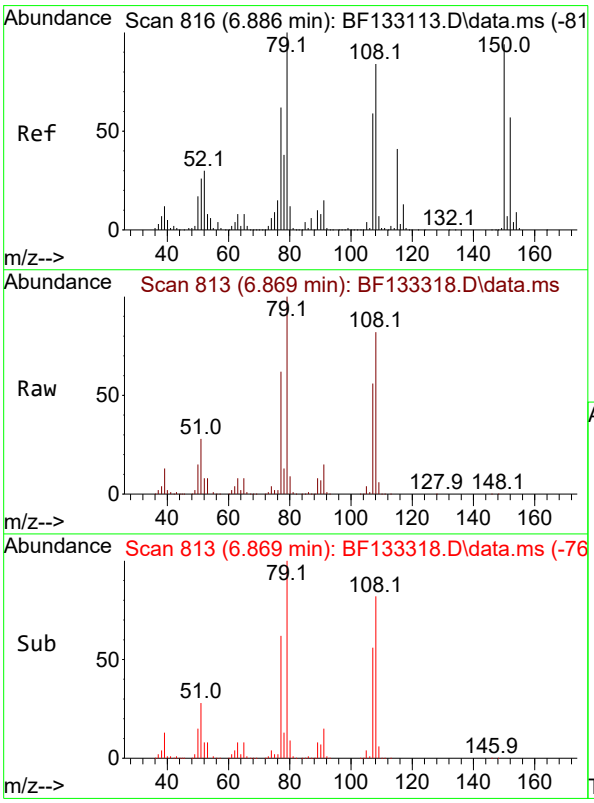
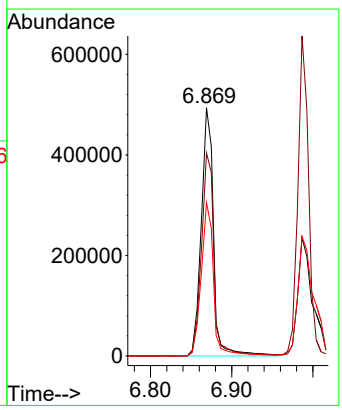
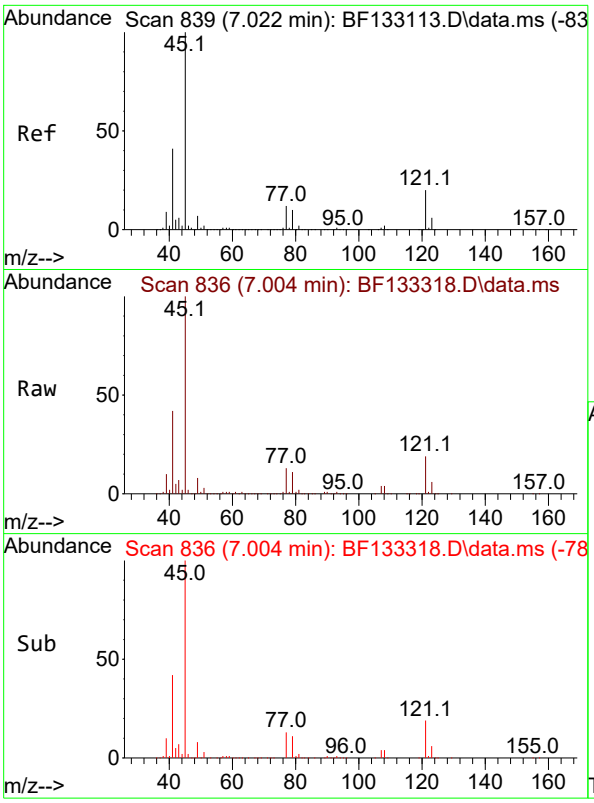


#15
Benzyl Alcohol
Concen: 51.362 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 79 Resp: 515709

Ion	Ratio	Lower	Upper
79	100		
108	81.8	66.6	99.8
77	61.8	49.2	73.8





#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.155 ng
RT: 7.004 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 45 Resp: 92285

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	31.5
79	11.1	0.0	28.7

Instrument :
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ClientSampleId :
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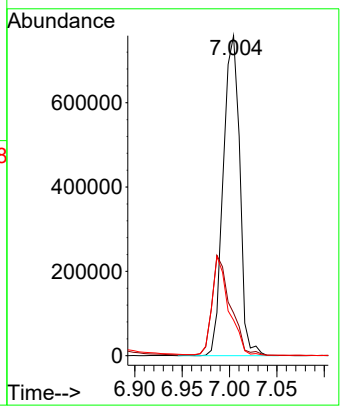
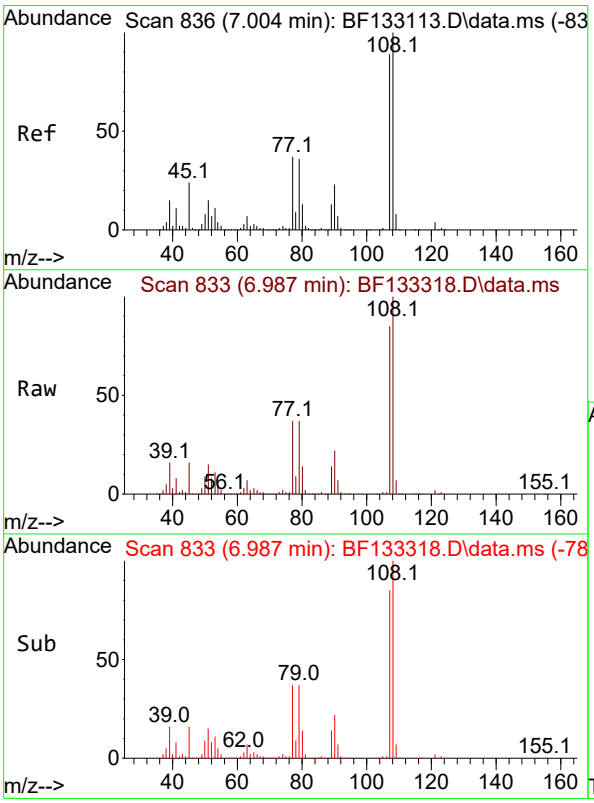
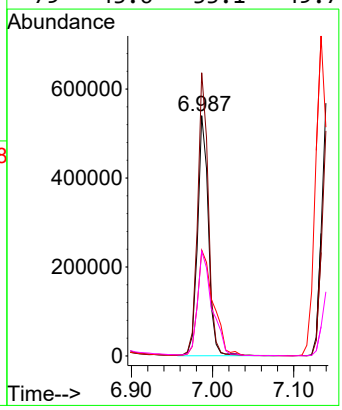


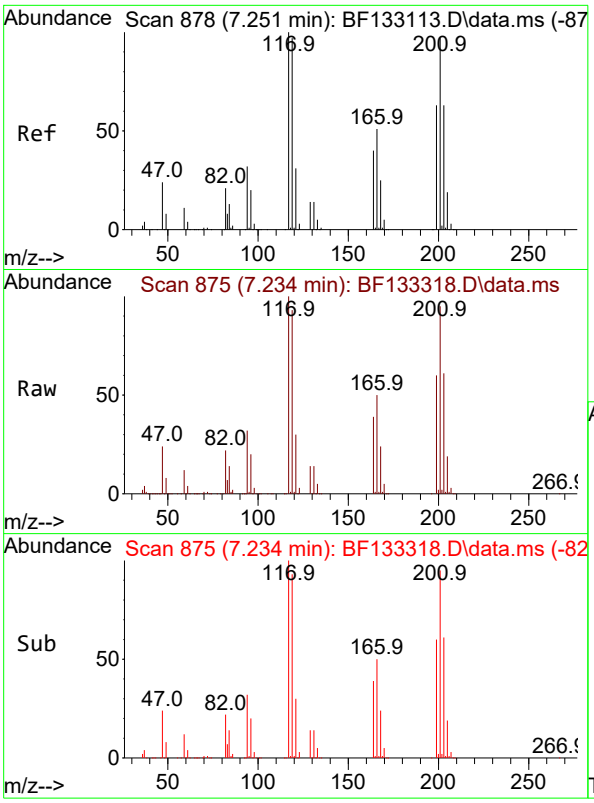


#17
2-Methylphenol
Concen: 45.917 ng
RT: 6.987 min Scan# 833
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:107 Resp: 499933

Ion	Ratio	Lower	Upper
107	100		
108	117.9	92.4	138.6
77	44.0	33.8	50.8
79	43.6	33.1	49.7

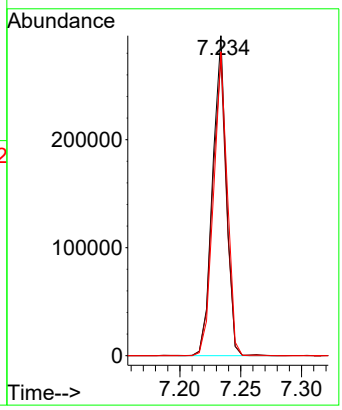




#18
Hexachloroethane
Concen: 52.478 ng
RT: 7.234 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:117 Resp: 23115

Ion	Ratio	Lower	Upper
117	100		
119	92.8	78.2	117.4
201	95.0	81.7	122.5



Instrument :
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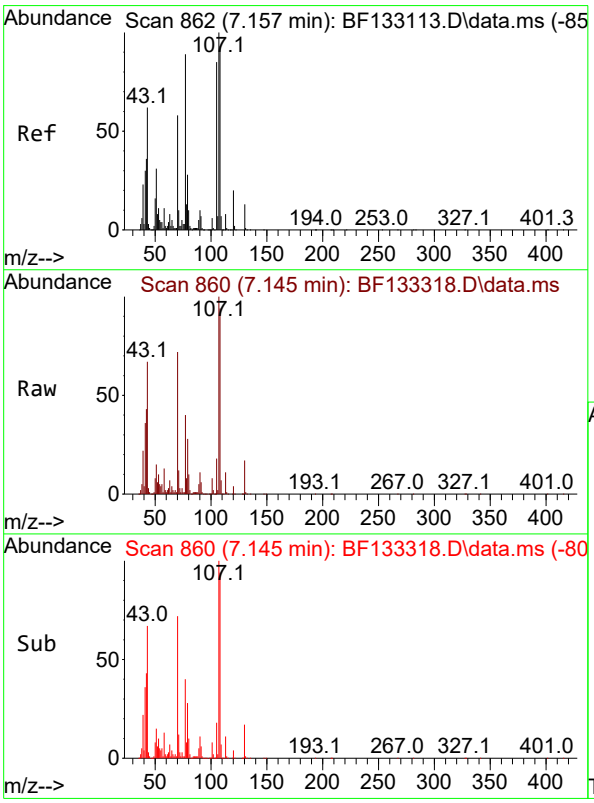
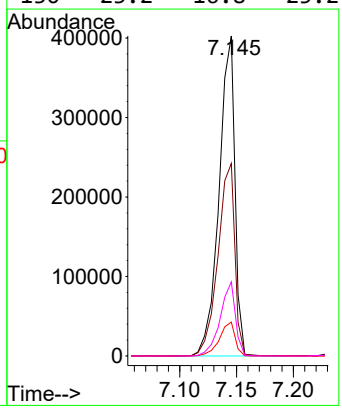
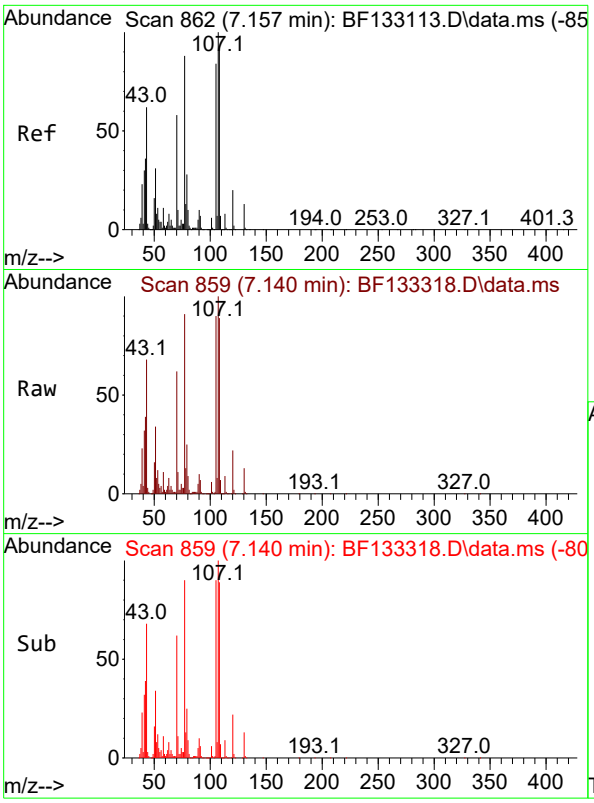


#19
n-Nitroso-di-n-propylamine
Concen: 43.296 ng
RT: 7.145 min Scan# 860
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 70 Resp: 391793

Ion	Ratio	Lower	Upper
70	100		
42	60.1	51.8	77.6
101	10.6	8.0	12.0
130	23.2	16.8	25.2

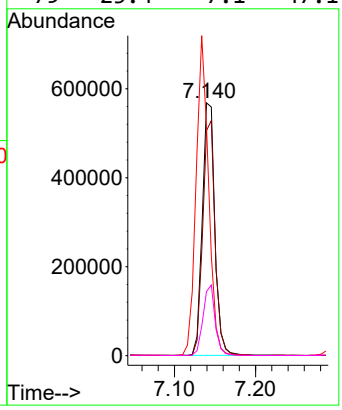




#20
3+4-Methylphenols
Concen: 47.397 ng
RT: 7.140 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:107 Resp: 60773

Ion	Ratio	Lower	Upper
107	100		
108	89.1	70.5	110.5
77	90.5	91.7	131.7
79	25.4	7.1	47.1



Instrument :
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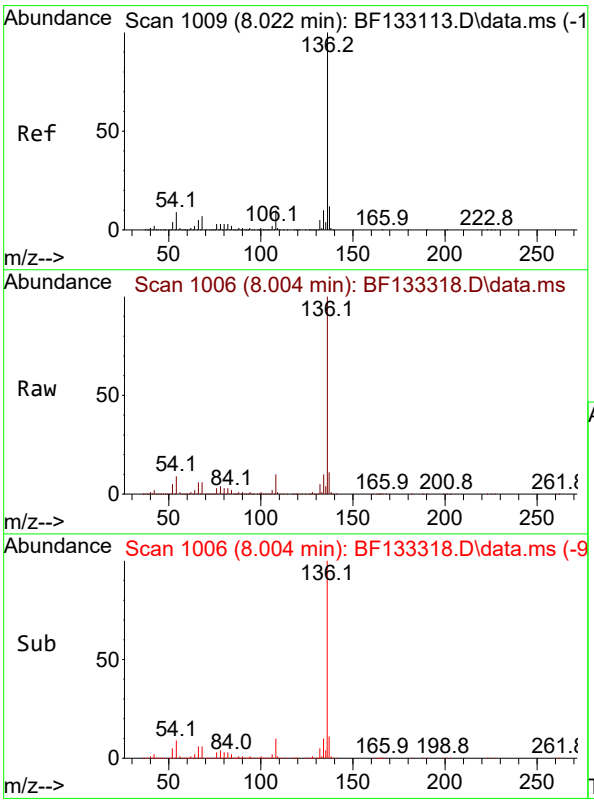
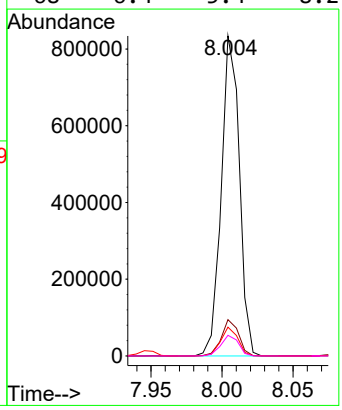
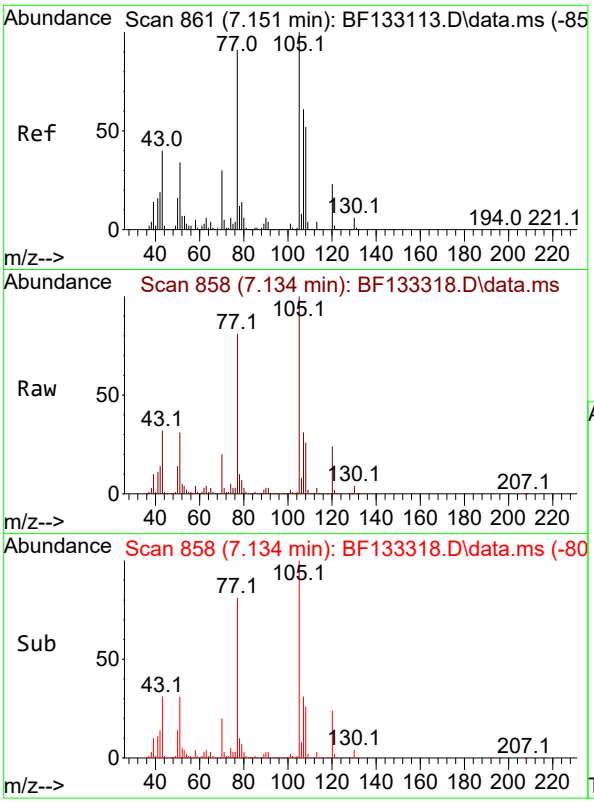


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:136 Resp: 736851

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	9.0	7.0	10.4
68	6.4	5.4	8.2

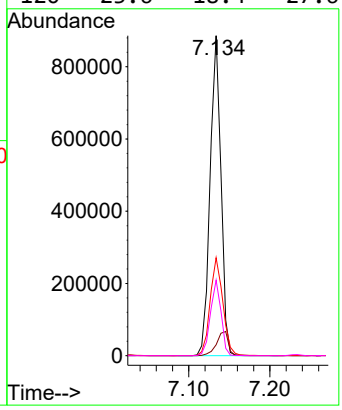




#22
Acetophenone
Concen: 48.075 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:105 Resp: 82058

Ion	Ratio	Lower	Upper
105	100		
71	3.4	4.6	7.0
51	30.6	28.2	42.2
120	23.6	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
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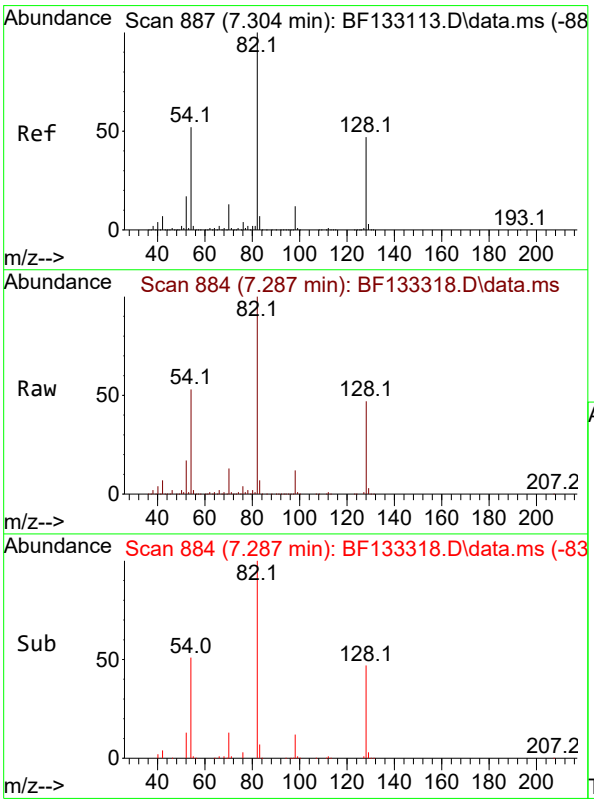
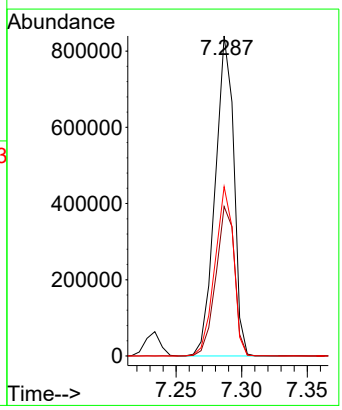
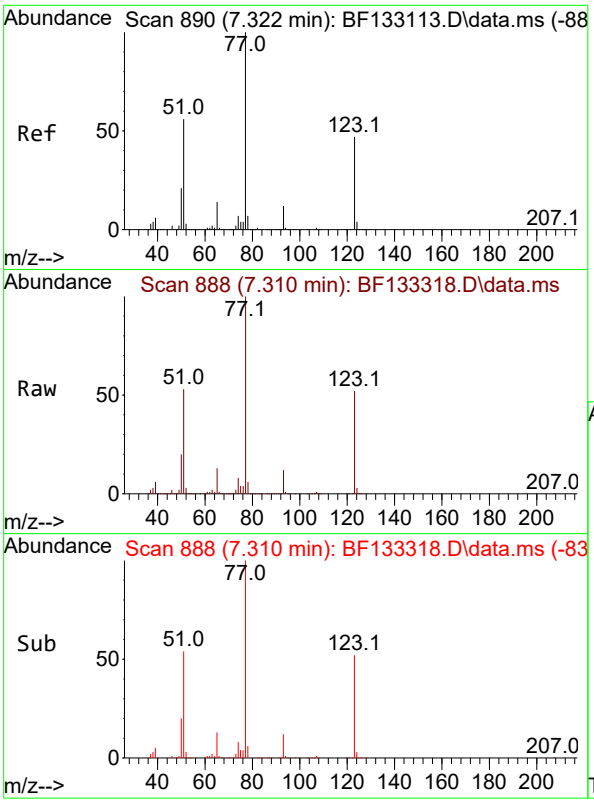


#23
Nitrobenzene-d5
Concen: 60.582 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 82 Resp: 827023

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.7	56.5
54	52.9	43.0	64.4





#24
Nitrobenzene
Concen: 45.360 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 77 Resp: 62747

Ion	Ratio	Lower	Upper
77	100		
123	52.1	39.9	59.9
65	13.3	10.7	16.1

Instrument :
BNA_F
ClientSampleId :
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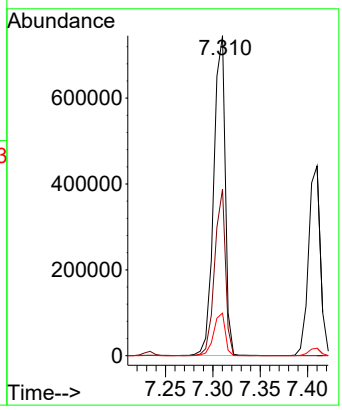
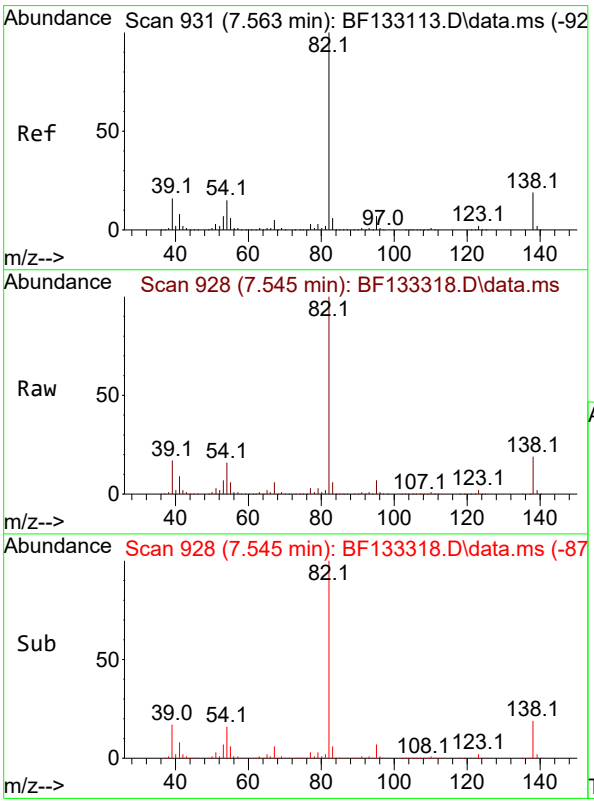
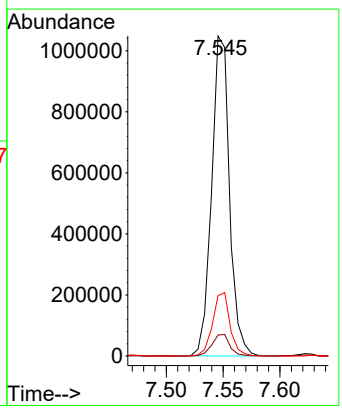


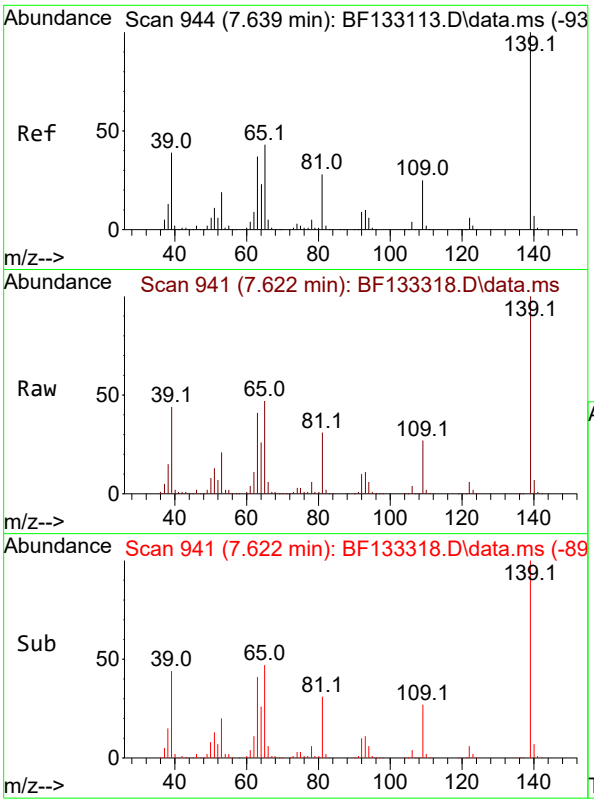


#25
Isophorone
Concen: 44.332 ng
RT: 7.545 min Scan# 928
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 82 Resp: 1149037

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.0
138	18.9	16.0	24.0





#26
2-Nitrophenol
Concen: 51.561 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:139 Resp: 34402

Ion	Ratio	Lower	Upper
139	100		
109	27.0	21.6	32.4
65	46.8	39.8	59.6

Instrument :
BNA_F
ClientSampleId :
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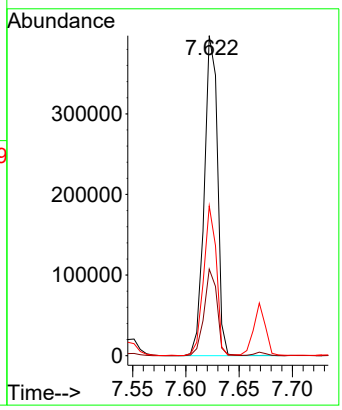
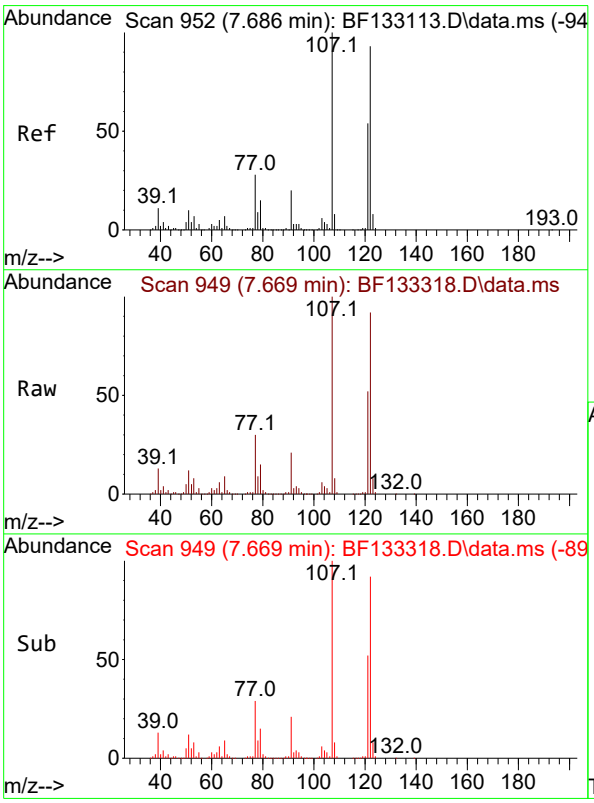
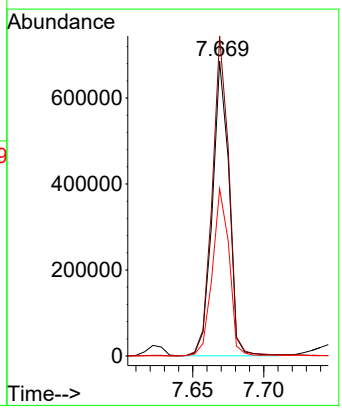


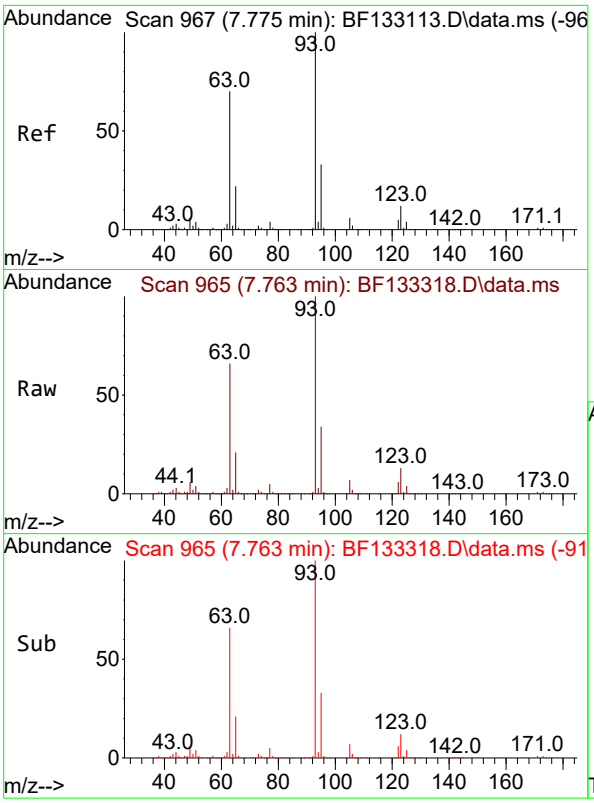


#27
2,4-Dimethylphenol
Concen: 48.585 ng
RT: 7.669 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:122 Resp: 555859

Ion	Ratio	Lower	Upper
122	100		
107	108.6	89.7	134.5
121	56.8	46.0	69.0





#28
bis(2-Chloroethoxy)methane
Concen: 44.958 ng
RT: 7.763 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 93 Resp: 68935

Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.4	39.6
123	12.6	10.3	15.5

Instrument :
BNA_F
ClientSampleId :
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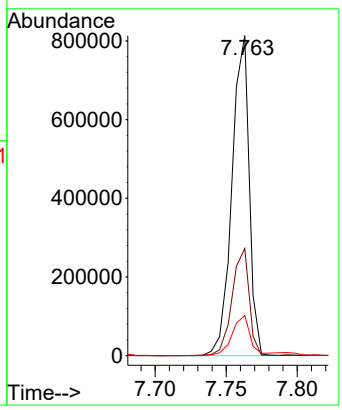
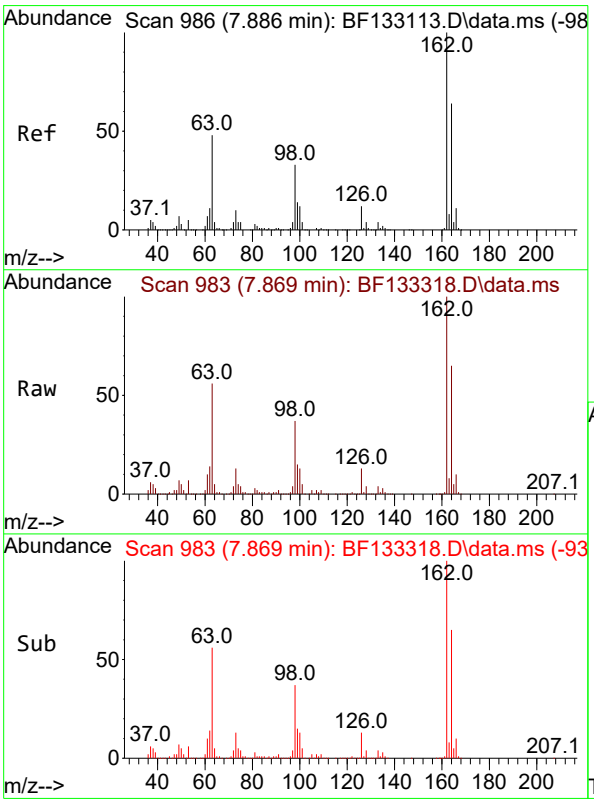
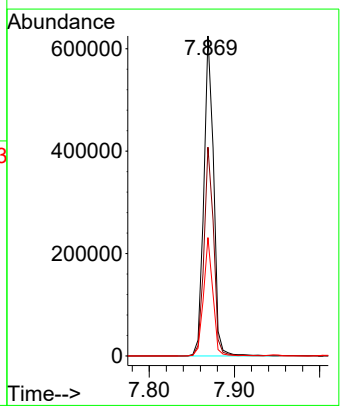


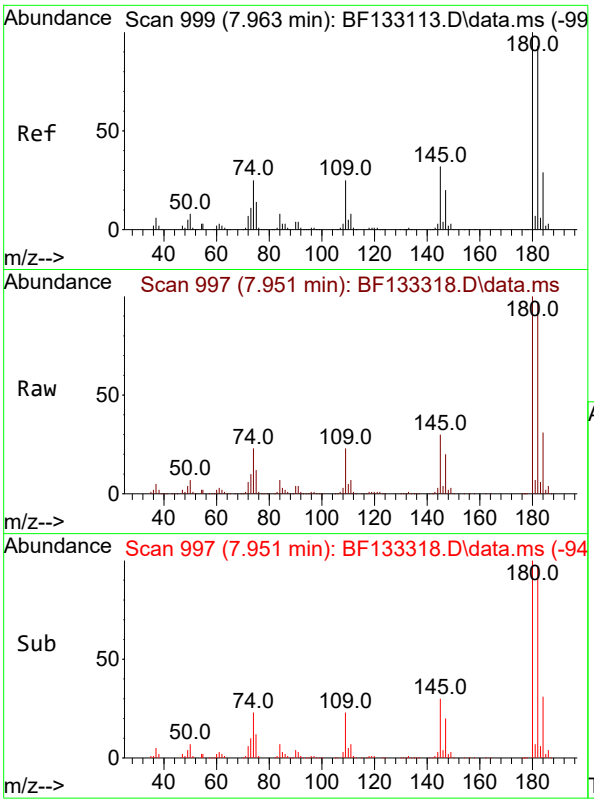


#29
2,4-Dichlorophenol
Concen: 47.804 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:162 Resp: 497886

Ion	Ratio	Lower	Upper
162	100		
164	65.2	43.9	83.9
98	37.0	17.0	57.0

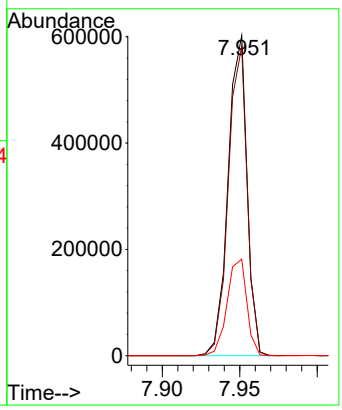




#30
1,2,4-Trichlorobenzene
Concen: 47.457 ng
RT: 7.951 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:180 Resp: 51206

Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.9	113.9
145	30.2	25.3	37.9



Instrument :
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ClientSampleId :
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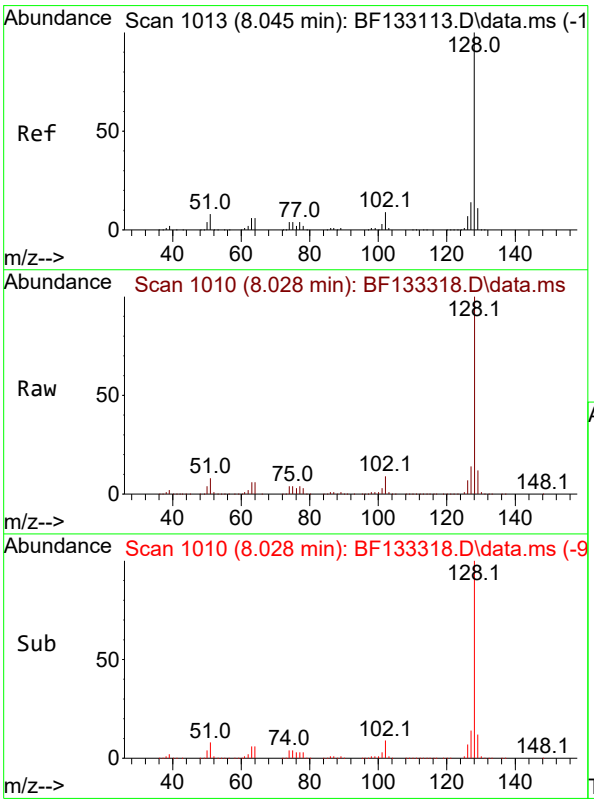
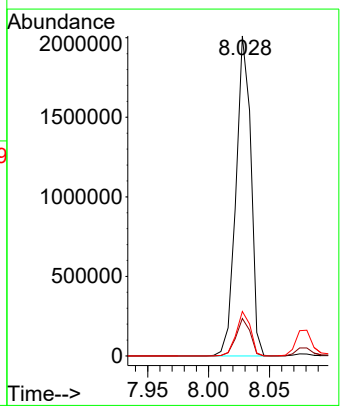
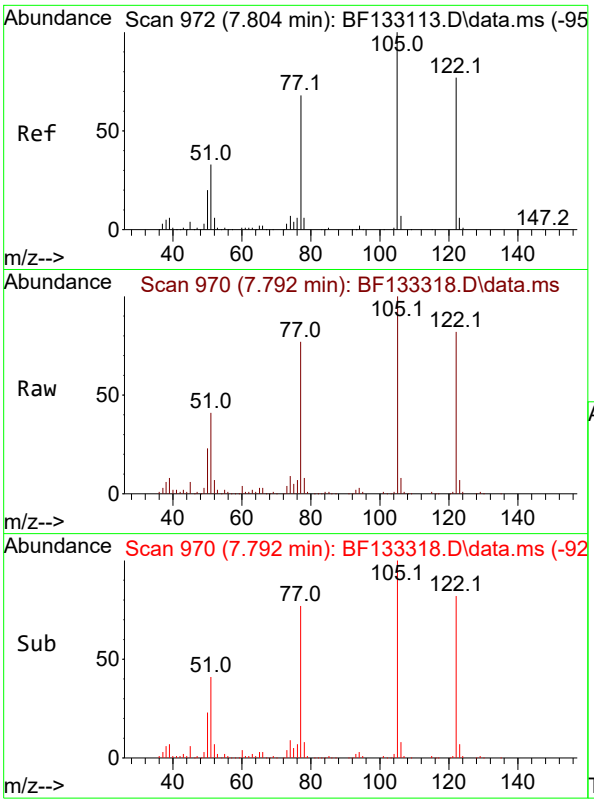


#31
Naphthalene
Concen: 46.369 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:128 Resp: 1708228

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.8	13.2
127	13.9	10.7	16.1





#32
Benzoic acid
Concen: 40.008 ng m
RT: 7.792 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:122 Resp: 28273

Ion	Ratio	Lower	Upper
122	100		
105	121.8	104.2	144.2
77	94.3	69.7	109.7

Instrument :
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ClientSampleId :
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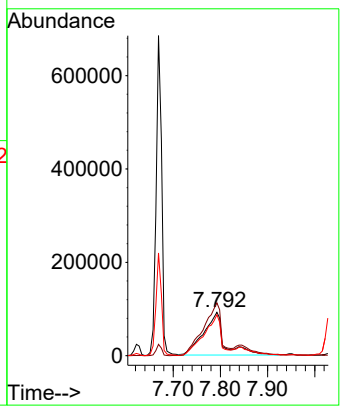
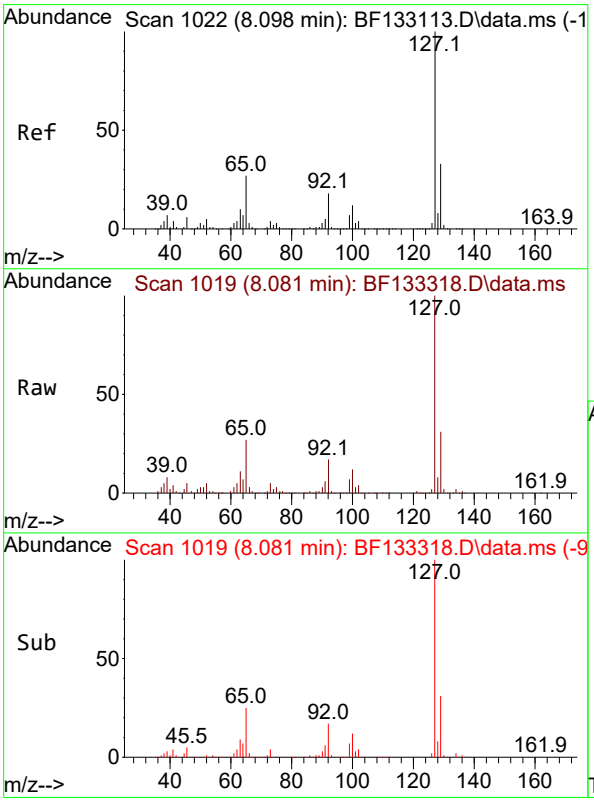
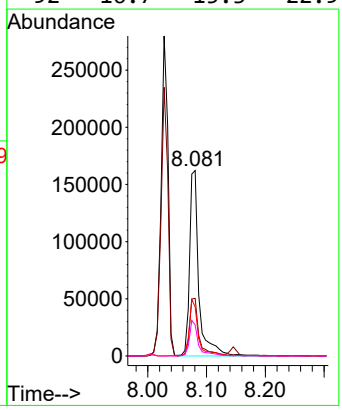


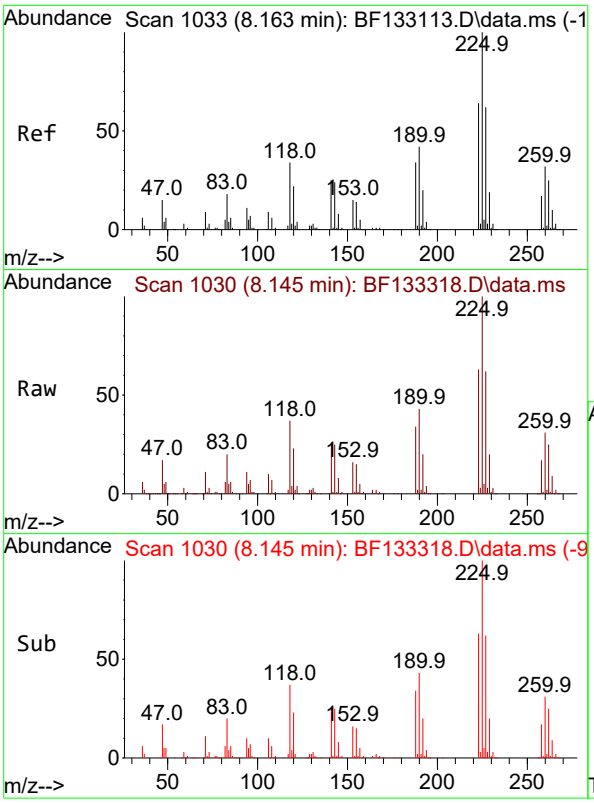


#33
4-Chloroaniline
Concen: 12.045 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:127 Resp: 179289

Ion	Ratio	Lower	Upper
127	100		
129	31.1	25.8	38.8
65	26.5	23.6	35.4
92	16.7	15.3	22.9

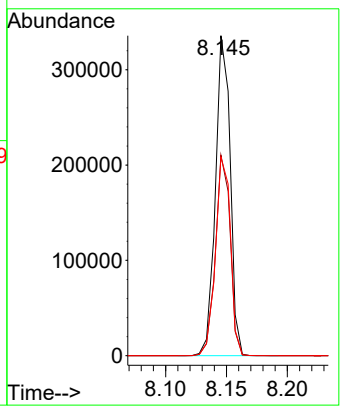




#34
Hexachlorobutadiene
Concen: 47.286 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:225 Resp: 28278

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.9	76.3
227	62.1	50.3	75.5



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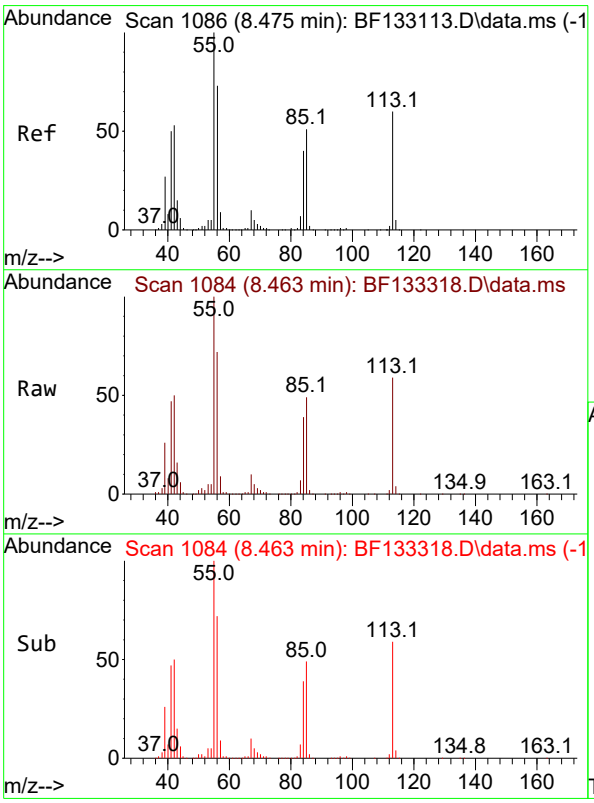
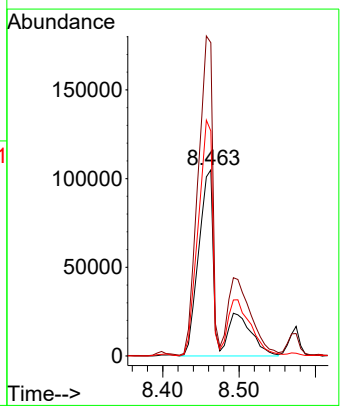
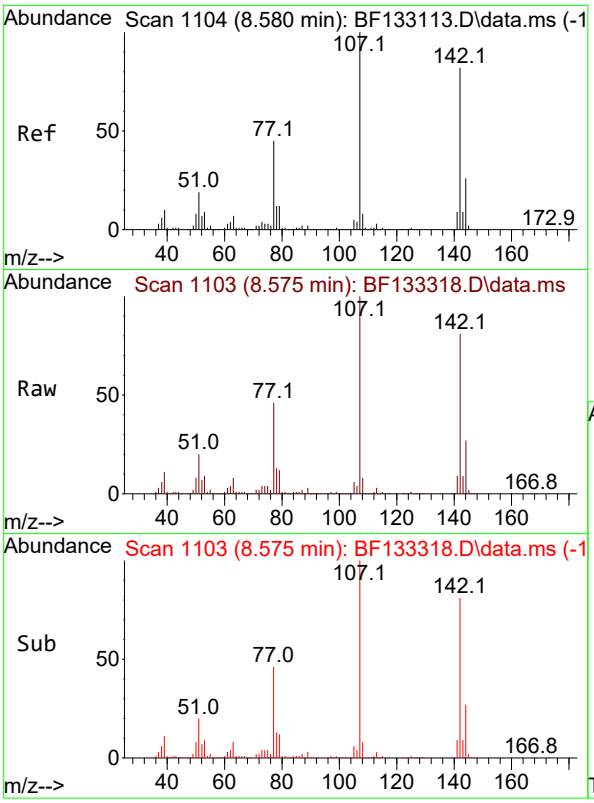


#35
Caprolactam
Concen: 53.582 ng m
RT: 8.463 min Scan# 1084
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:113 Resp: 187473

Ion	Ratio	Lower	Upper
113	100		
55	168.4	167.1	207.1
56	120.9	114.5	154.5





#36
4-Chloro-3-methylphenol
Concen: 48.659 ng
RT: 8.575 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:107 Resp: 54650

Ion	Ratio	Lower	Upper
107	100		
144	26.7	20.6	30.8
142	80.7	62.8	94.2

Instrument :
BNA_F
ClientSampleId :
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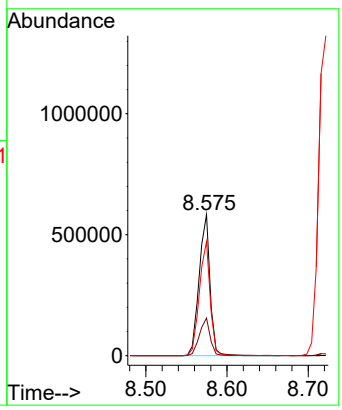
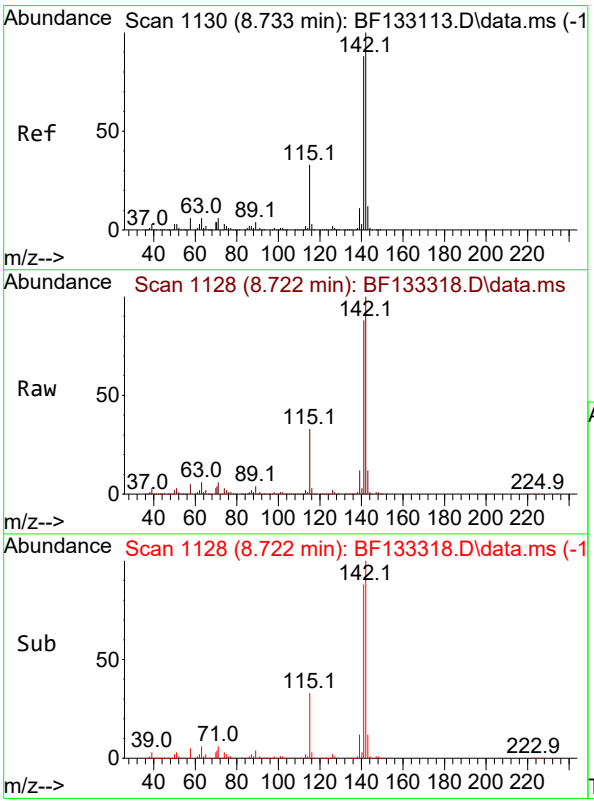
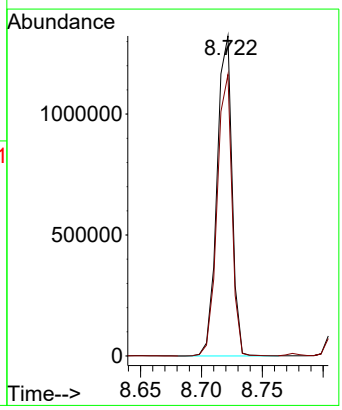


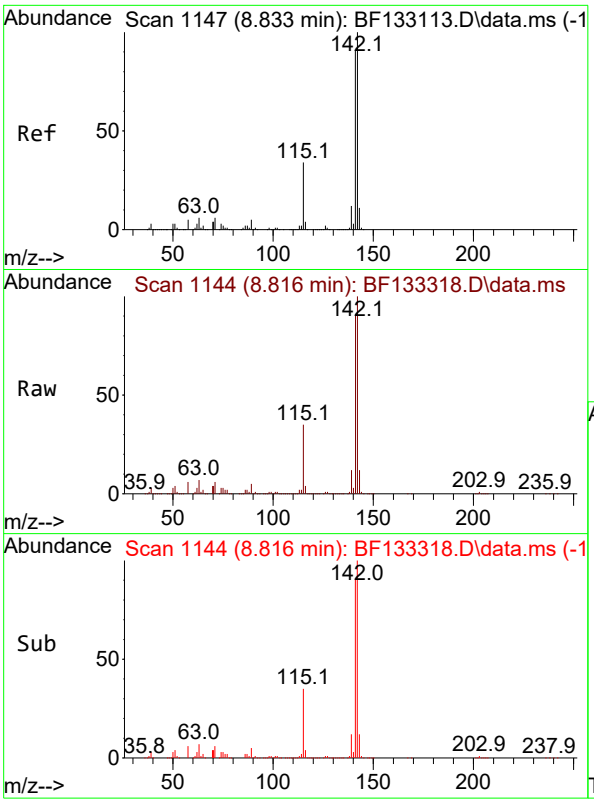


#37
2-Methylnaphthalene
Concen: 45.197 ng
RT: 8.722 min Scan# 1128
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:142 Resp: 1138375

Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.4	104.0





#38
1-Methylnaphthalene
Concen: 46.132 ng
RT: 8.816 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:142 Resp: 108694

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.1	109.7

Instrument :
BNA_F
ClientSampleId :
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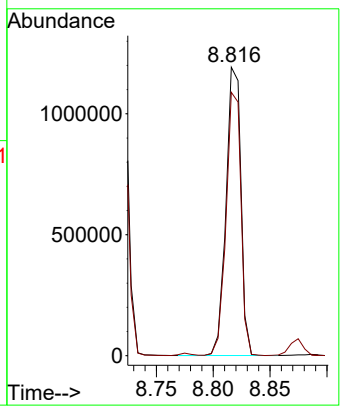
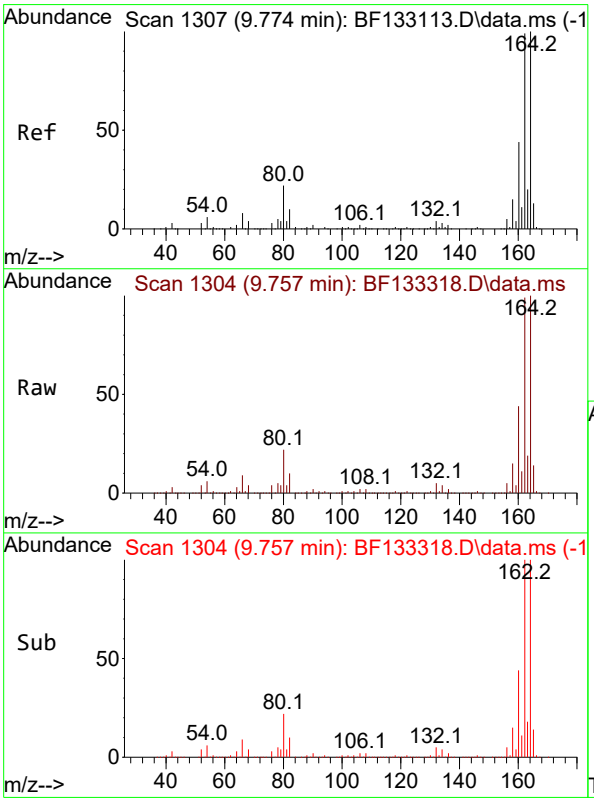
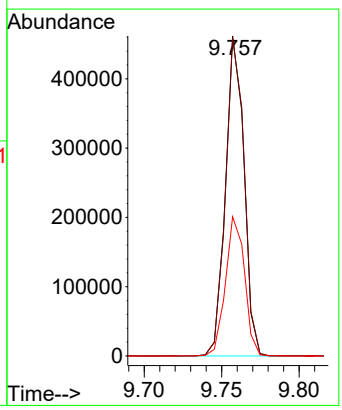


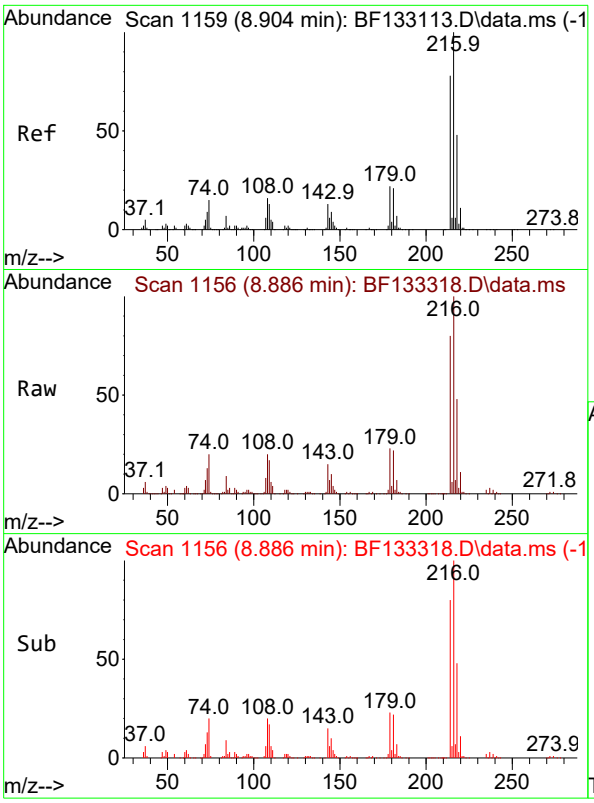


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:164 Resp: 382676

Ion	Ratio	Lower	Upper
164	100		
162	99.5	78.7	118.1
160	43.5	35.8	53.6





#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.120 ng
RT: 8.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02MSD

Tgt Ion:216 Resp: 46424

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.5	95.3
179	22.7	17.4	26.2
108	22.5	17.4	26.0

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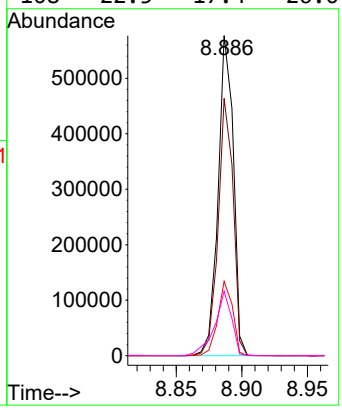
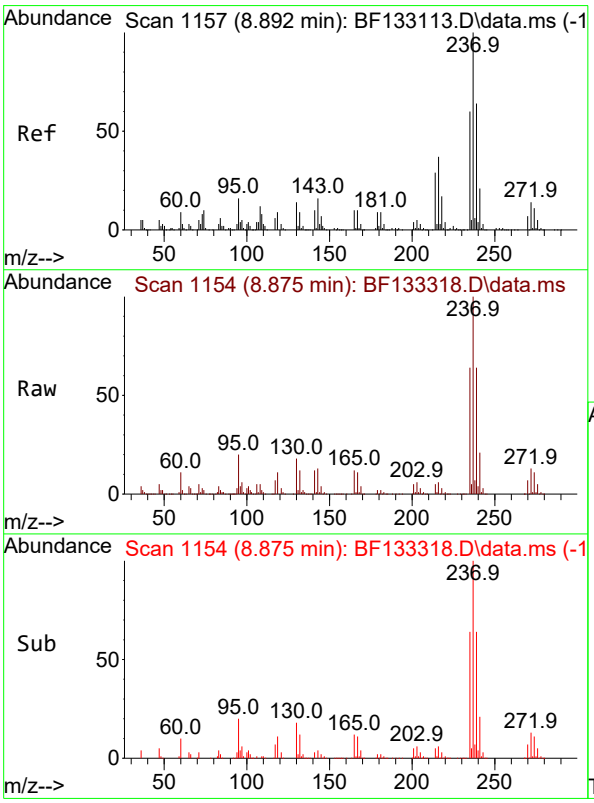
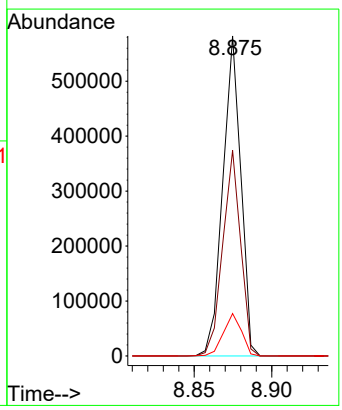


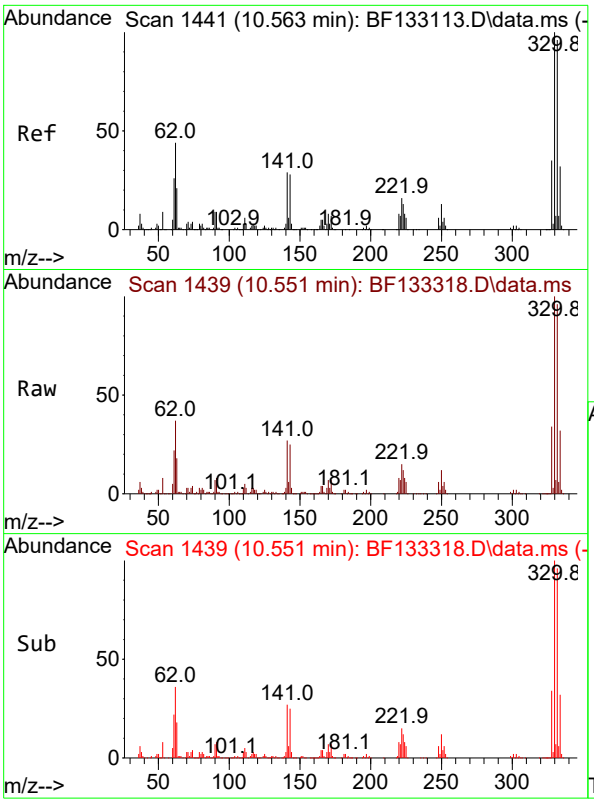


#41
Hexachlorocyclopentadiene
Concen: 78.454 ng
RT: 8.875 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:237 Resp: 470773

Ion	Ratio	Lower	Upper
237	100		
235	64.2	43.5	83.5
272	13.3	0.0	32.7

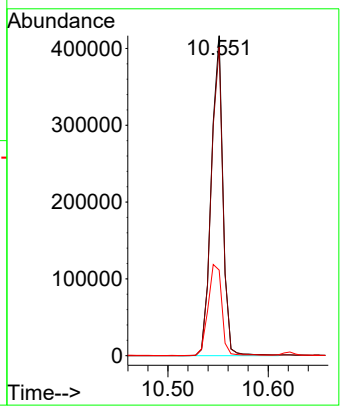




#42
2,4,6-Tribromophenol
Concen: 87.216 ng
RT: 10.551 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:330 Resp: 33565

Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.1	115.7
141	33.6	25.8	38.8



Instrument :
BNA_F
ClientSampleId :
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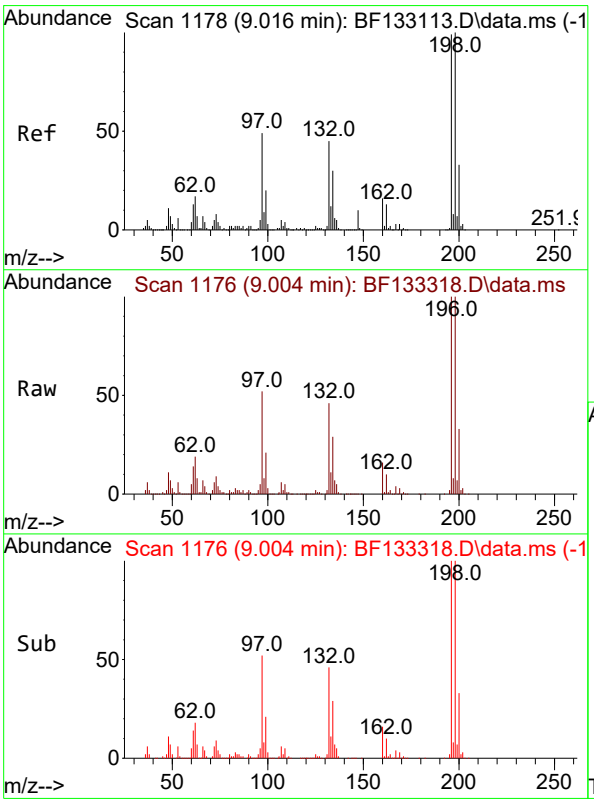
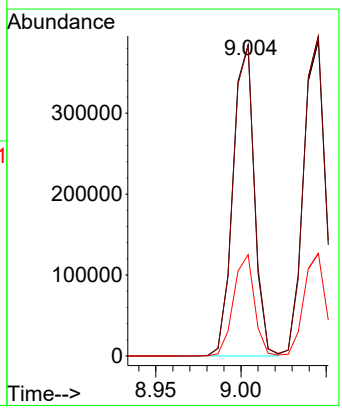
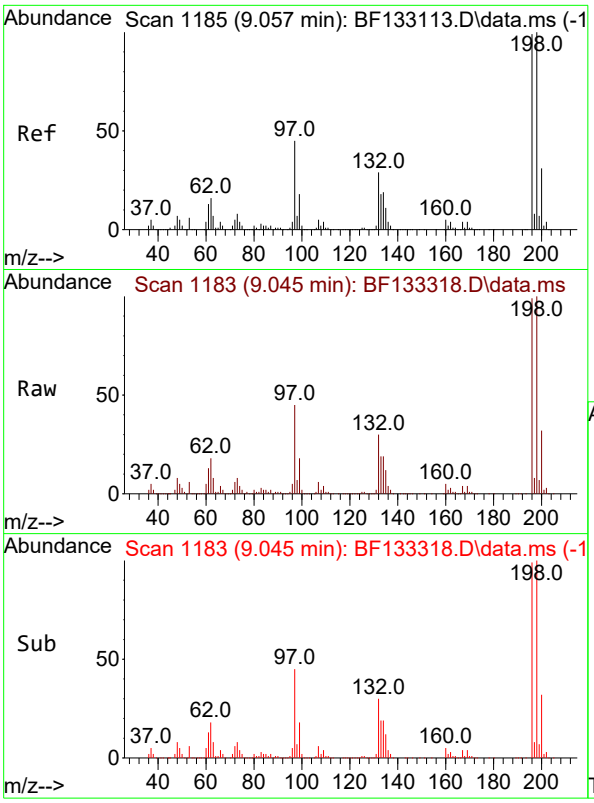


#43
2,4,6-Trichlorophenol
Concen: 47.008 ng
RT: 9.004 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:196 Resp: 334494

Ion	Ratio	Lower	Upper
196	100		
198	99.6	81.0	121.6
200	32.6	26.1	39.1

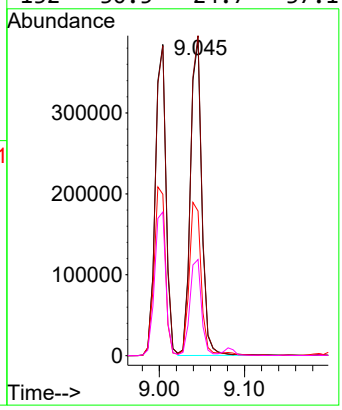




#44
2,4,5-Trichlorophenol
Concen: 43.791 ng
RT: 9.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:196 Resp: 36037

Ion	Ratio	Lower	Upper
196	100		
198	101.4	80.9	121.3
97	45.8	41.3	61.9
132	30.5	24.7	37.1



Instrument :
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ClientSampleId :
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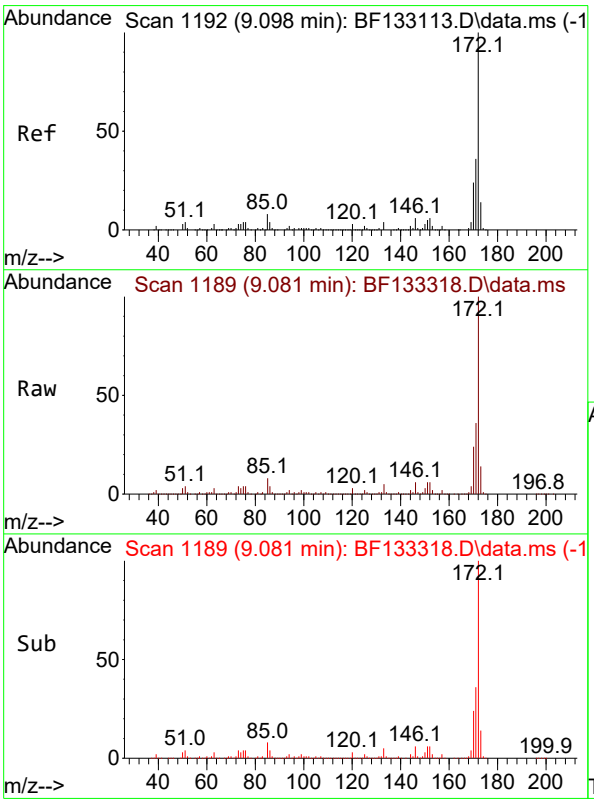
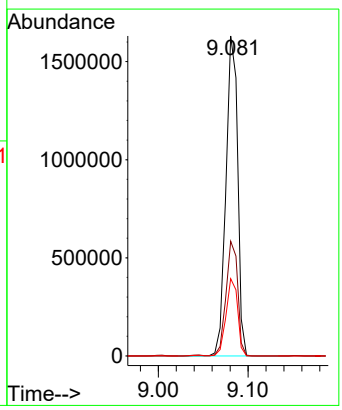
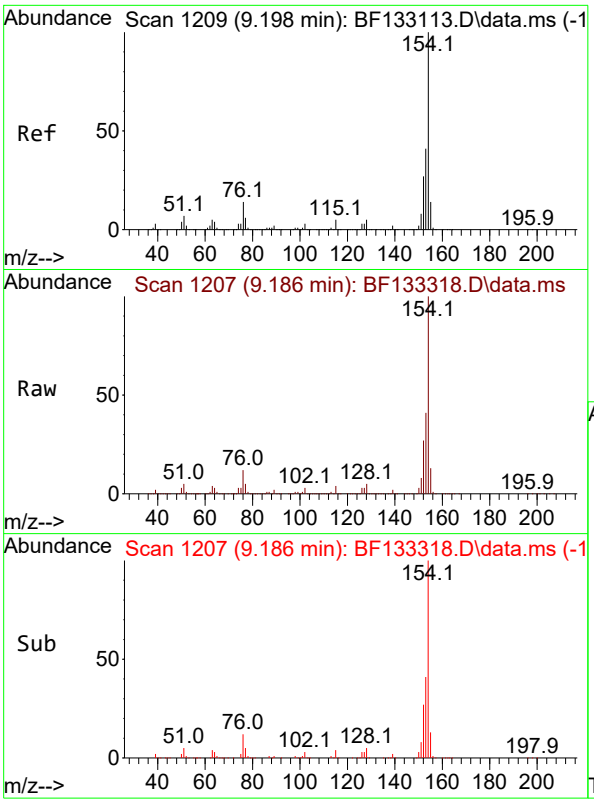


#45
2-Fluorobiphenyl
Concen: 64.665 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:172 Resp: 1479135

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	24.2	19.4	29.2

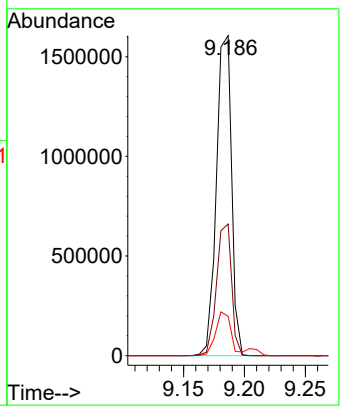




#46
1,1'-Biphenyl
Concen: 45.962 ng
RT: 9.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:154 Resp: 139469

Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.0	61.0
76	12.3	0.0	34.5



Instrument :
BNA_F
ClientSampleId :
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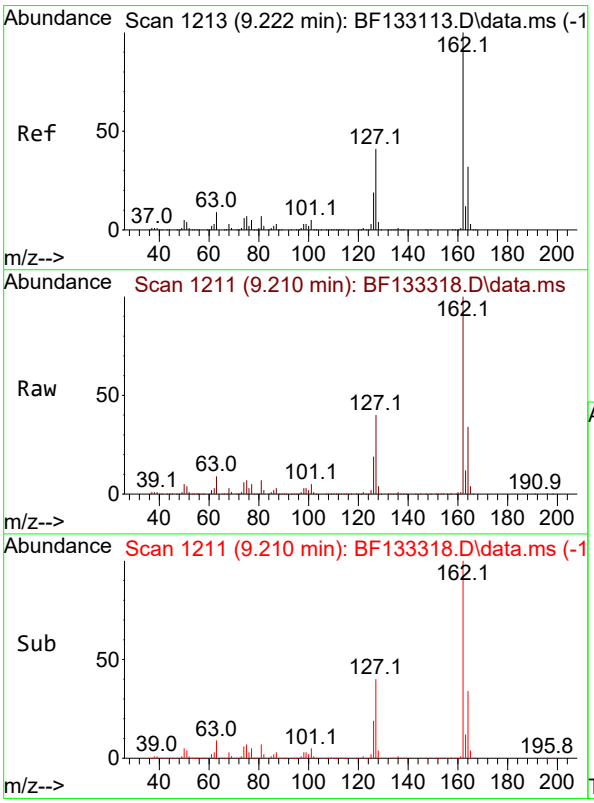
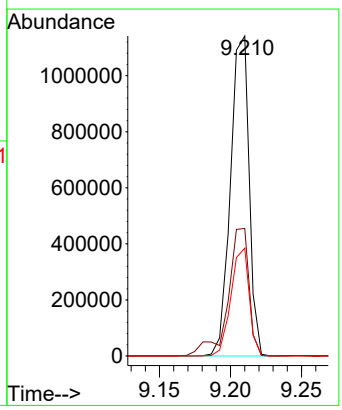
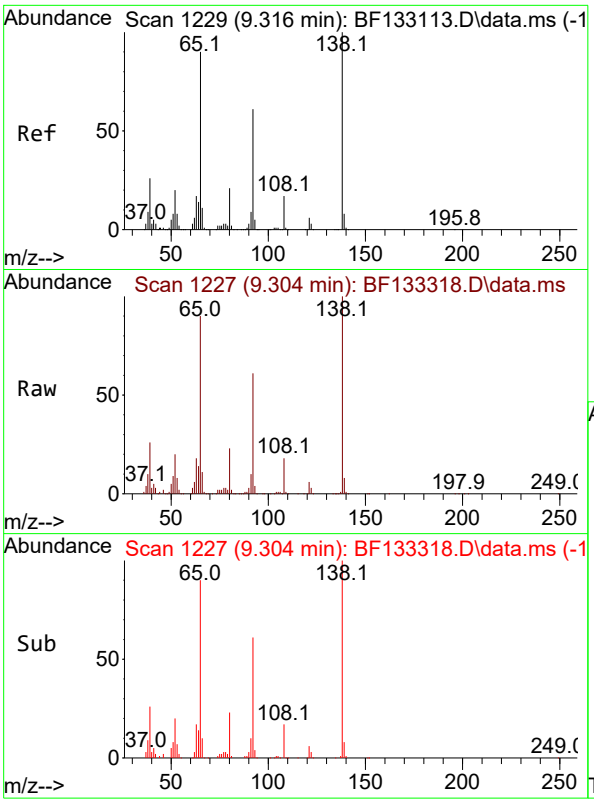


#47
2-Chloronaphthalene
Concen: 47.175 ng
RT: 9.210 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:162 Resp: 1047755

Ion	Ratio	Lower	Upper
162	100		
127	39.9	32.3	48.5
164	33.7	26.8	40.2





#48
2-Nitroaniline
Concen: 47.940 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 65 Resp: 35189

Ion	Ratio	Lower	Upper
65	100		
92	67.3	55.4	83.0
138	110.7	98.2	147.2

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02MSD

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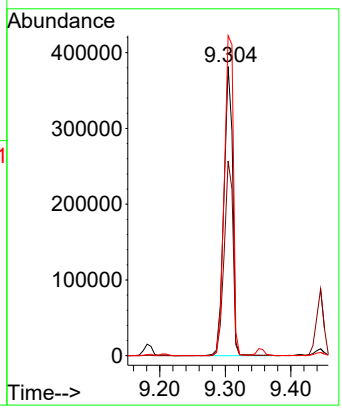
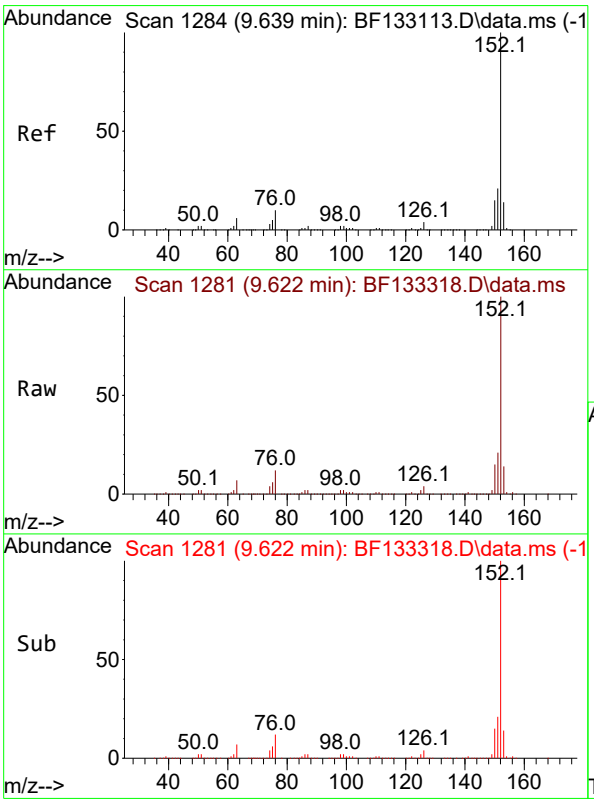
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

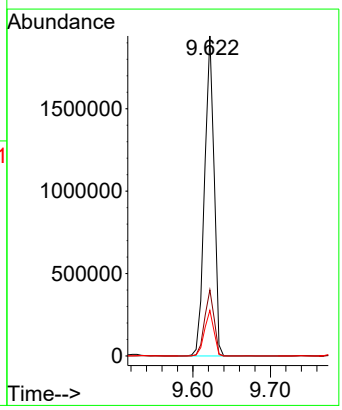


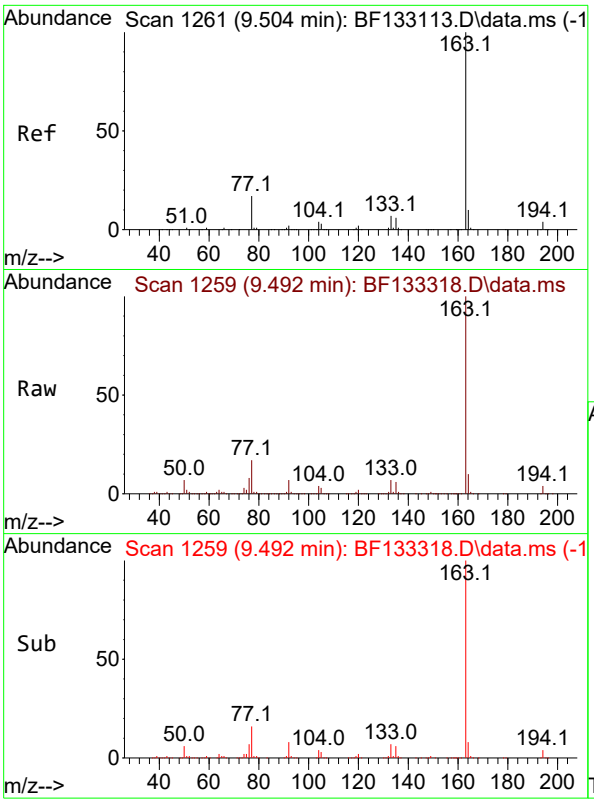


#49
Acenaphthylene
Concen: 46.518 ng
RT: 9.622 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:152 Resp: 1650837

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	24.8
153	14.2	11.5	17.3





#50
Dimethylphthalate
Concen: 46.652 ng
RT: 9.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02MSD

Tgt Ion:163 Resp: 124481

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	9.9	8.5	12.7

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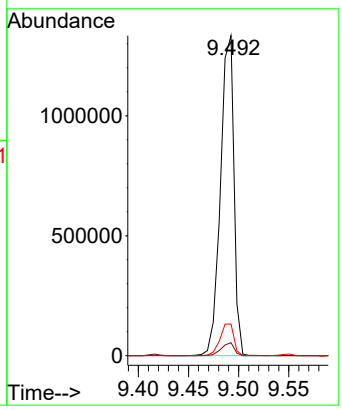
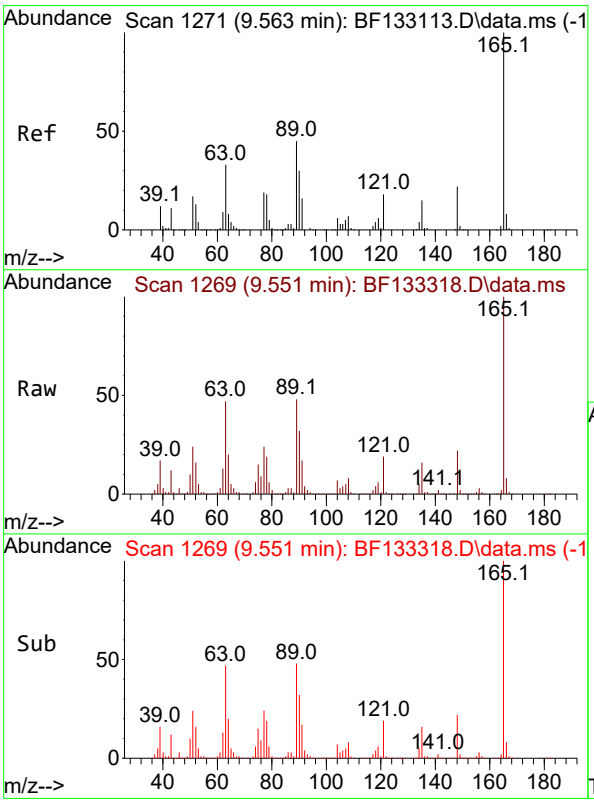
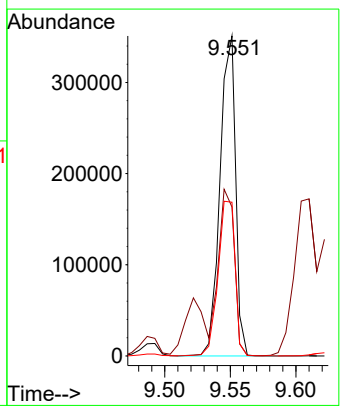


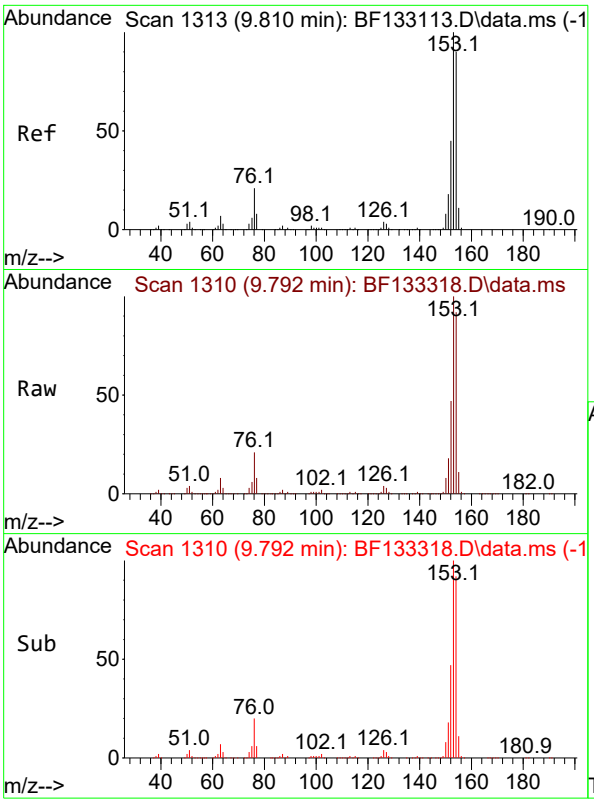


#51
2,6-Dinitrotoluene
Concen: 48.154 ng
RT: 9.551 min Scan# 1269
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:165 Resp: 289199

Ion	Ratio	Lower	Upper
165	100		
63	46.6	45.9	68.9
89	48.0	44.0	66.0





#52
Acenaphthene
Concen: 49.132 ng m
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:154 Resp: 116779

Ion	Ratio	Lower	Upper
154	100		
153	108.7	89.0	133.6
152	51.0	40.4	60.6

Instrument :
BNA_F
ClientSampleId :
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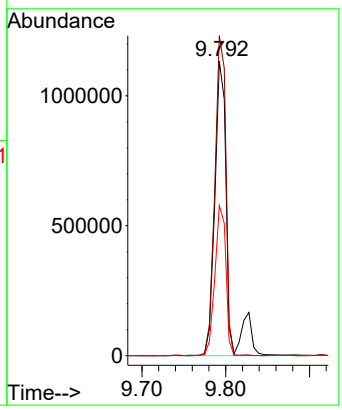
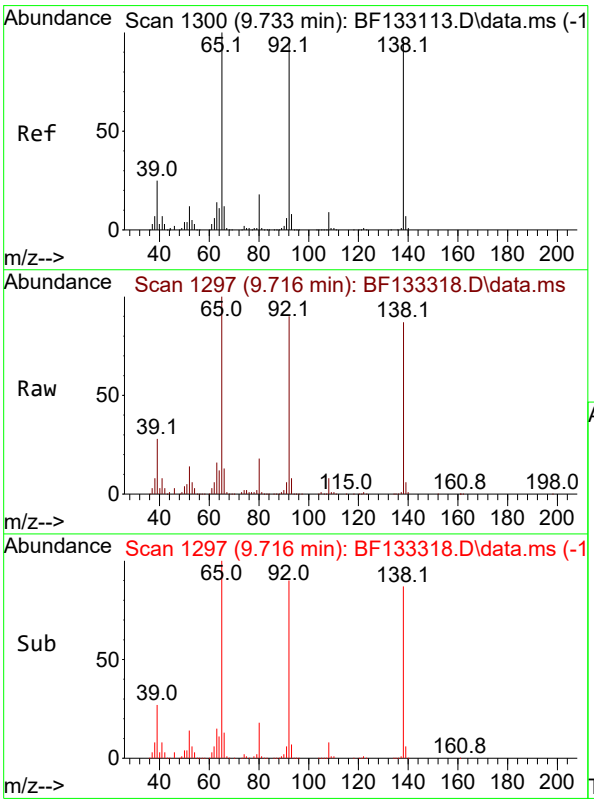
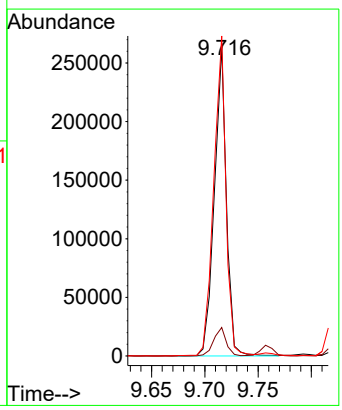


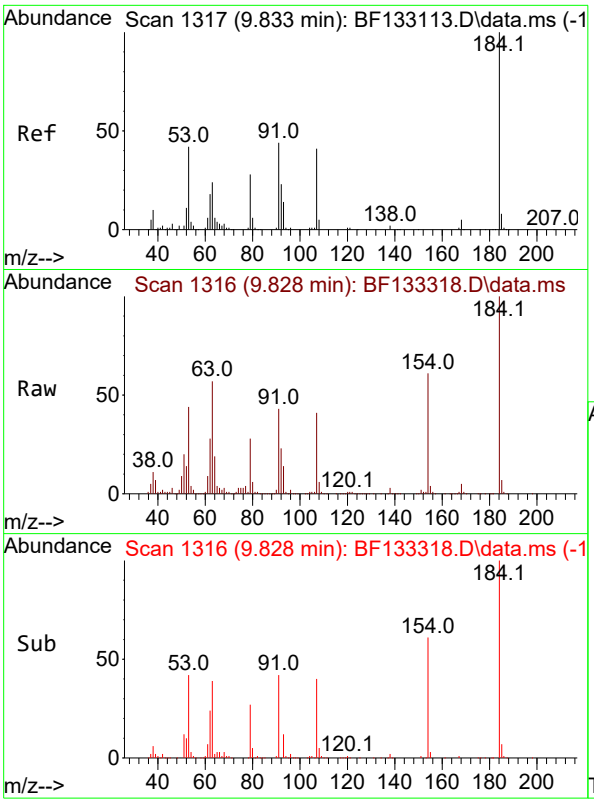


#53
3-Nitroaniline
Concen: 29.096 ng
RT: 9.716 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:138 Resp: 207770

Ion	Ratio	Lower	Upper
138	100		
108	9.2	8.0	12.0
92	103.5	83.6	125.4

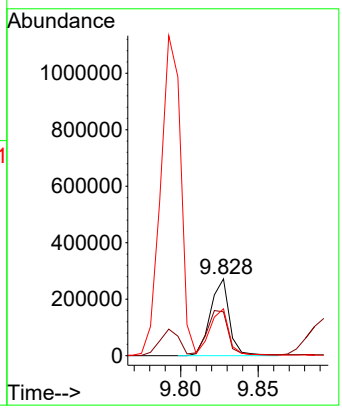




#54
2,4-Dinitrophenol
Concen: 77.224 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:184 Resp: 23312

Ion	Ratio	Lower	Upper
184	100		
63	57.2	49.8	74.8
154	61.1	49.5	74.3



Instrument :
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ClientSampleId :
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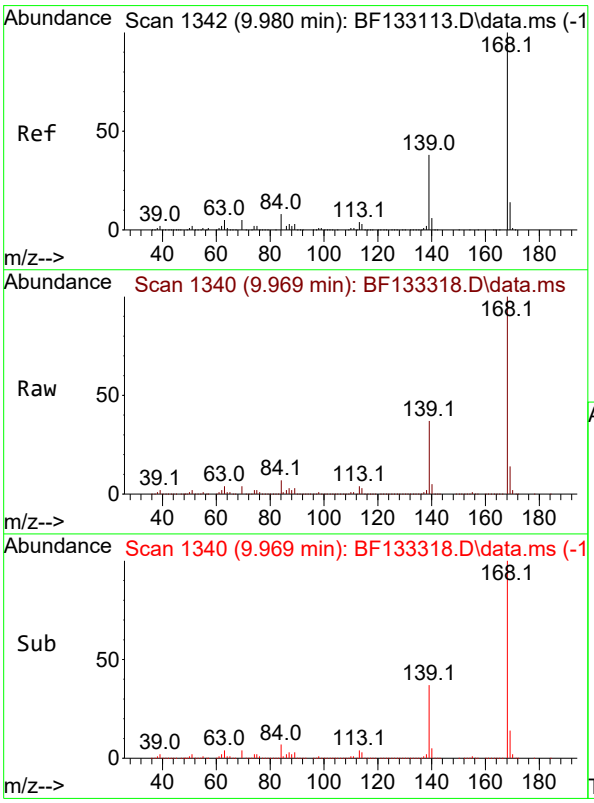
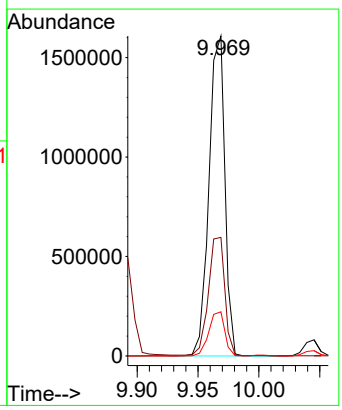
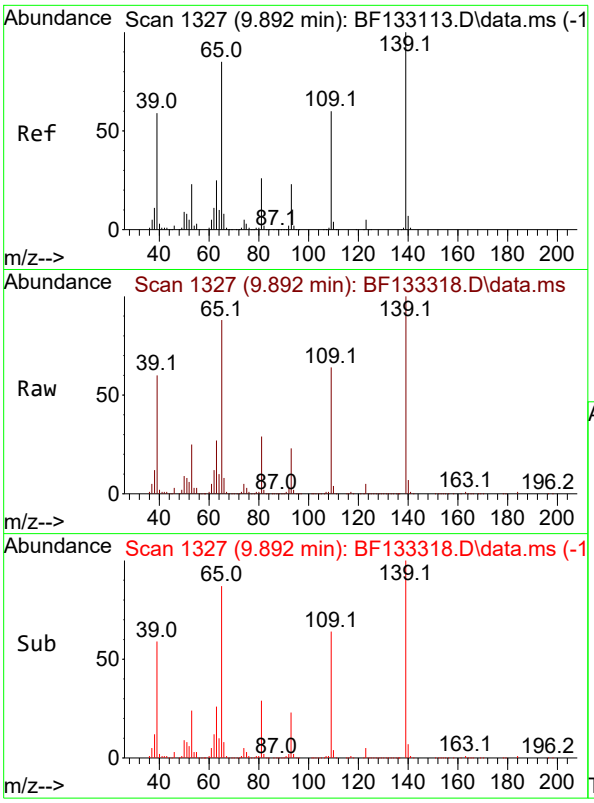


#55
Dibenzofuran
Concen: 44.918 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:168 Resp: 1456344

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.8	44.8
169	13.8	10.8	16.2





#56
4-Nitrophenol
Concen: 87.081 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:139 Resp: 48162

Ion	Ratio	Lower	Upper
139	100		
109	64.2	39.4	79.4
65	87.5	57.5	97.5

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02MSD

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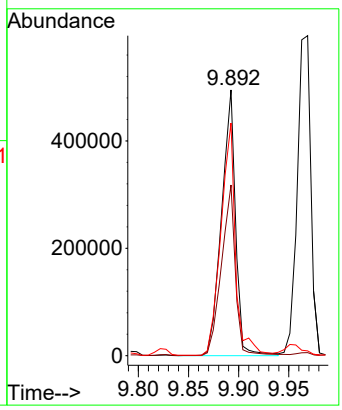
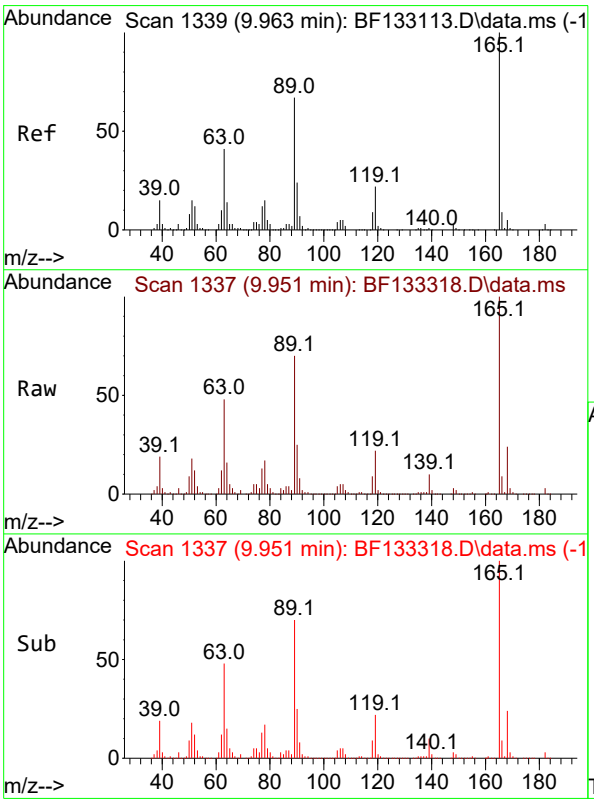
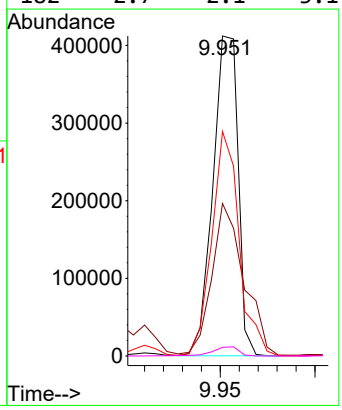


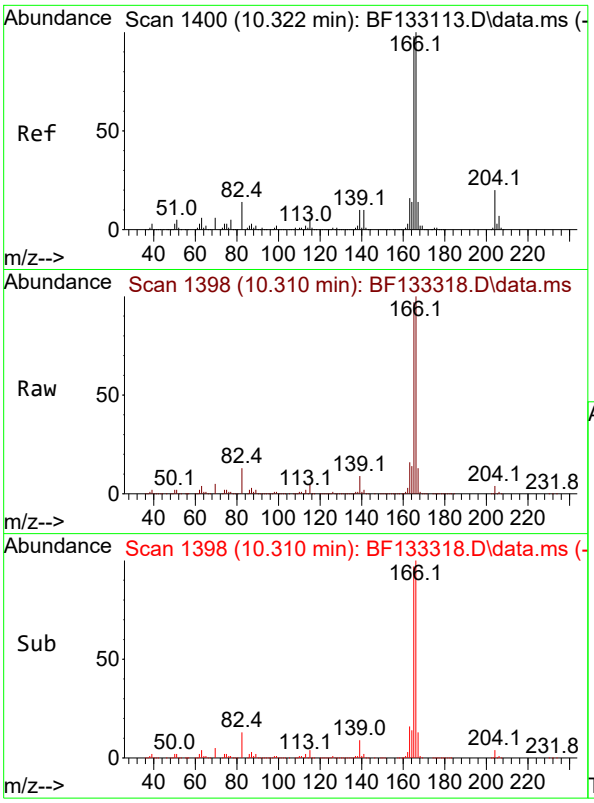


#57
2,4-Dinitrotoluene
Concen: 49.894 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:165 Resp: 382138

Ion	Ratio	Lower	Upper
165	100		
63	47.6	37.7	56.5
89	70.1	57.0	85.4
182	2.7	2.1	3.1

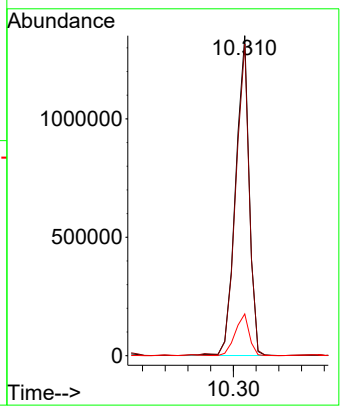




#58
Fluorene
Concen: 46.883 ng
RT: 10.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:166 Resp: 111366

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.6	117.8
167	13.0	11.0	16.4



Instrument :
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ClientSampleId :
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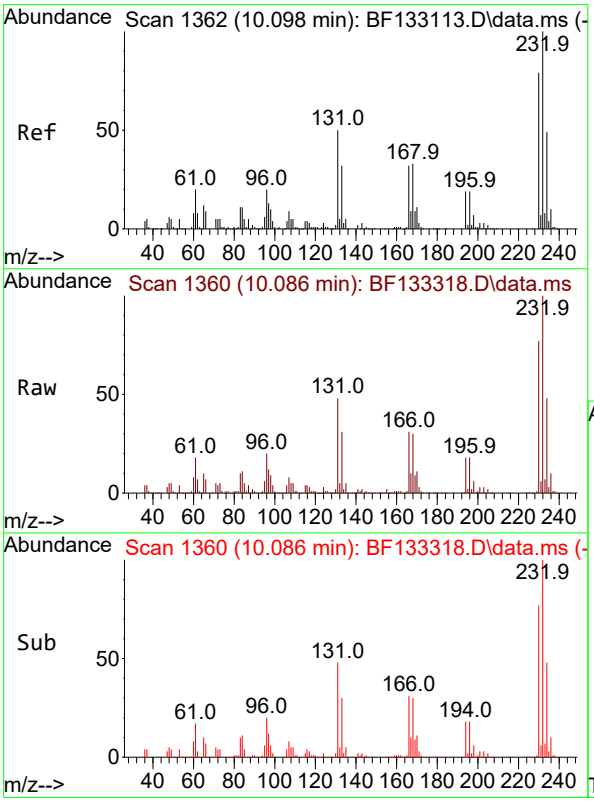
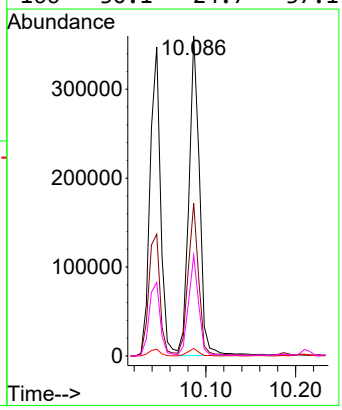
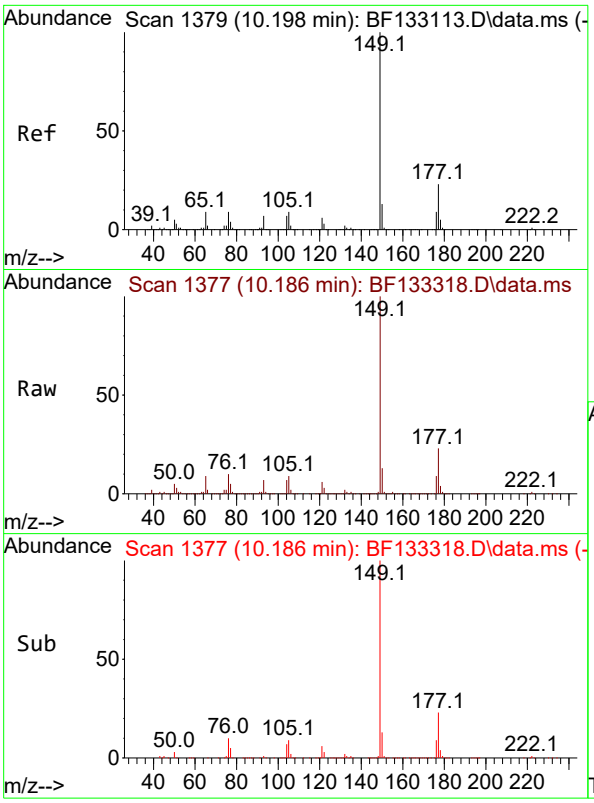


#59
2,3,4,6-Tetrachlorophenol
Concen: 46.073 ng
RT: 10.086 min Scan# 1360
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:232 Resp: 293942

Ion	Ratio	Lower	Upper
232	100		
131	47.6	38.0	57.0
130	2.4	1.8	2.8
166	30.1	24.7	37.1





#60
Diethylphthalate
Concen: 46.405 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:149 Resp: 116958

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.2	27.4
150	12.9	10.2	15.4

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02MSD

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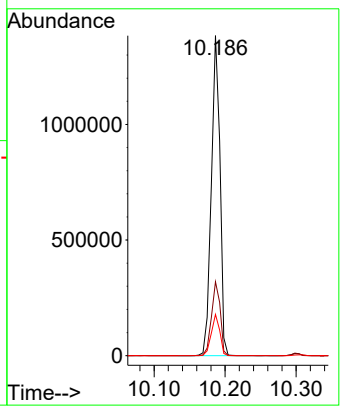
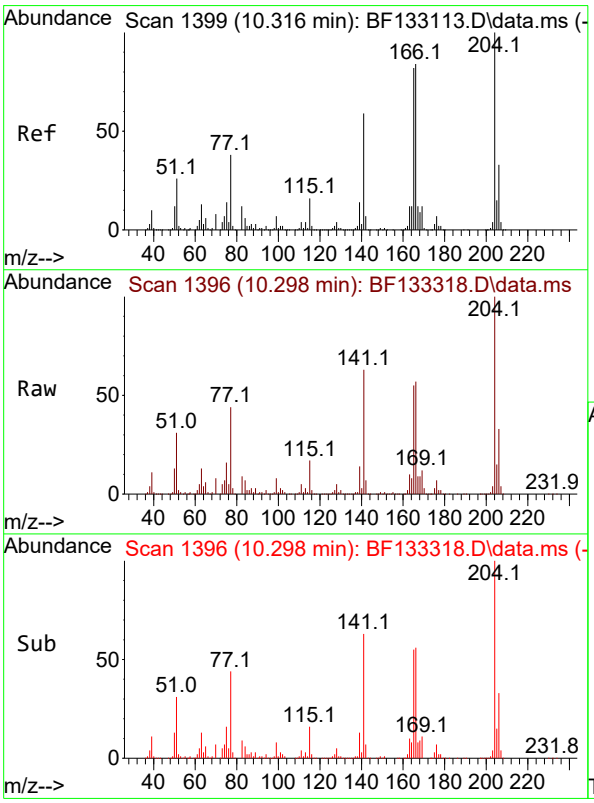
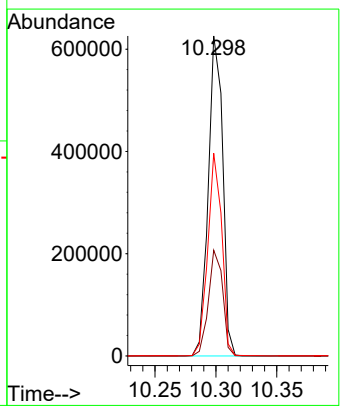


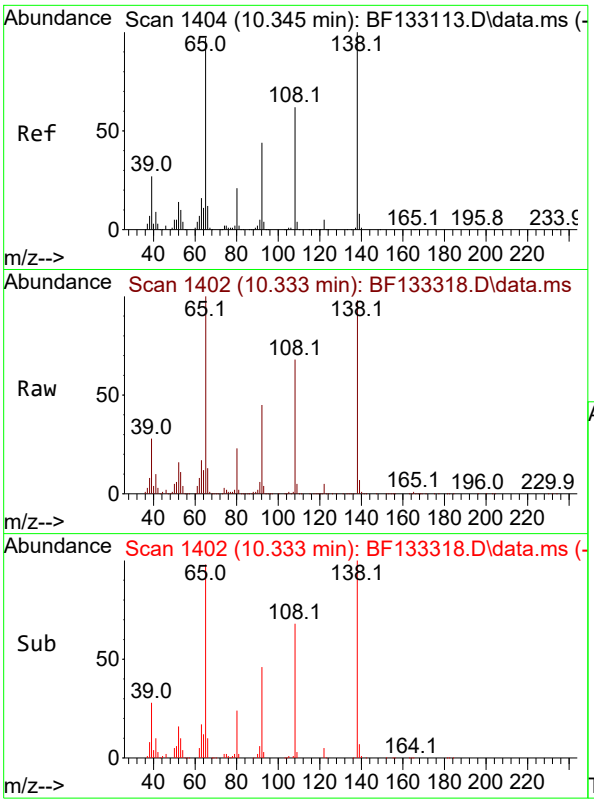


#61
4-Chlorophenyl-phenylether
Concen: 44.452 ng
RT: 10.298 min Scan# 1396
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:204 Resp: 514565

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.1	39.1
141	63.4	46.1	69.1

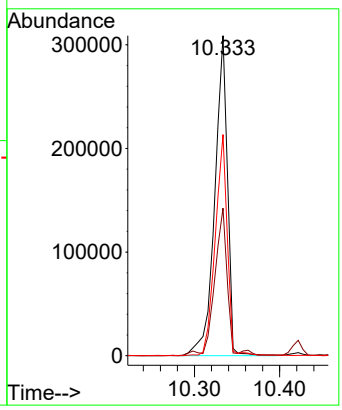




#62
4-Nitroaniline
Concen: 48.815 ng
RT: 10.333 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:138 Resp: 32038

Ion	Ratio	Lower	Upper
138	100		
92	46.1	27.7	67.7
108	69.1	45.2	85.2



Instrument :
BNA_F
ClientSampleId :
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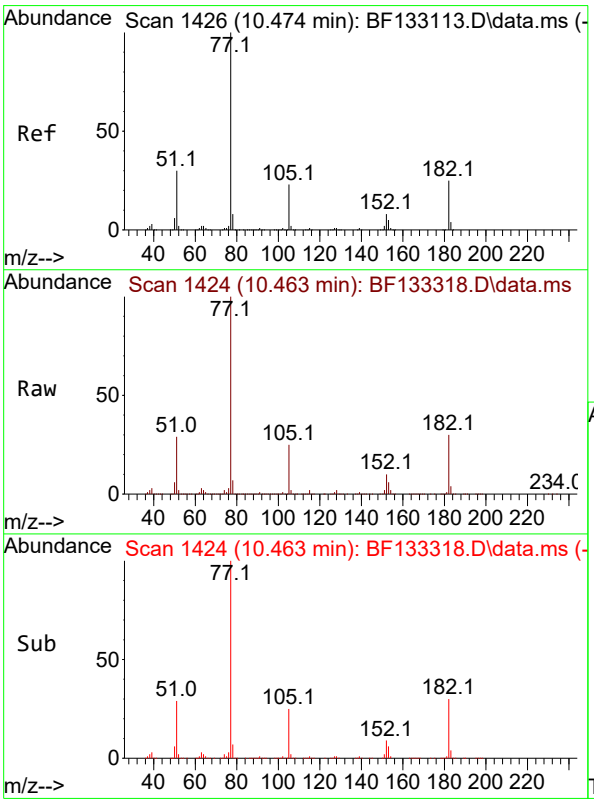
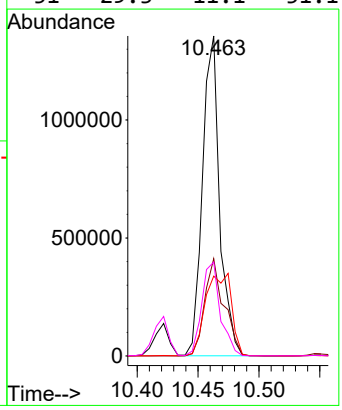
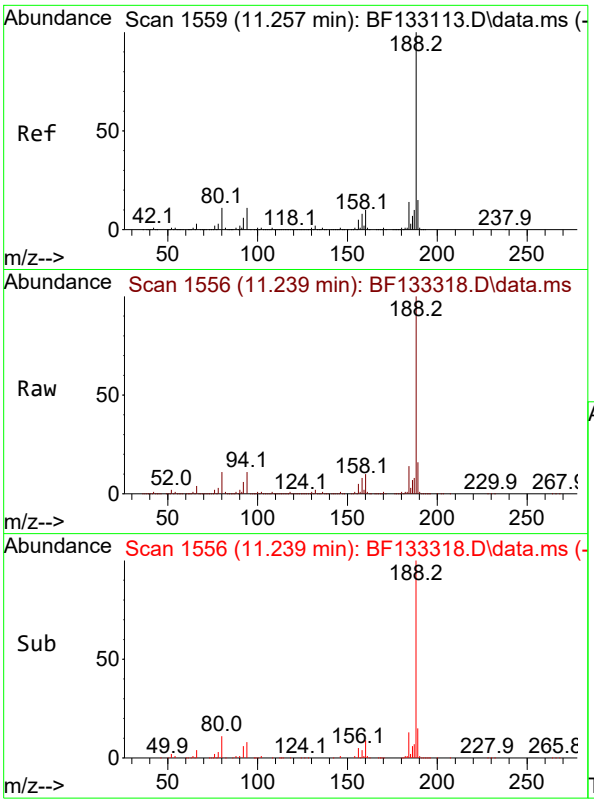


#63
Azobenzene
Concen: 49.688 ng
RT: 10.463 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion: 77 Resp: 1326651

Ion	Ratio	Lower	Upper
77	100		
182	30.4	5.9	45.9
105	25.0	2.3	42.3
51	29.3	11.1	51.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:188 Resp: 68932

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.7	14.5
80	11.3	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02MSD

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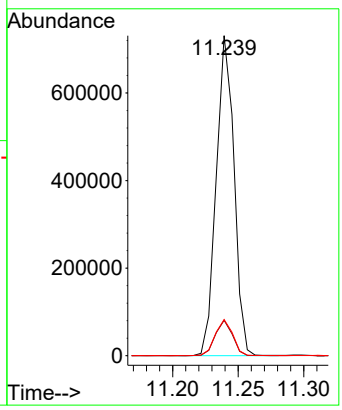
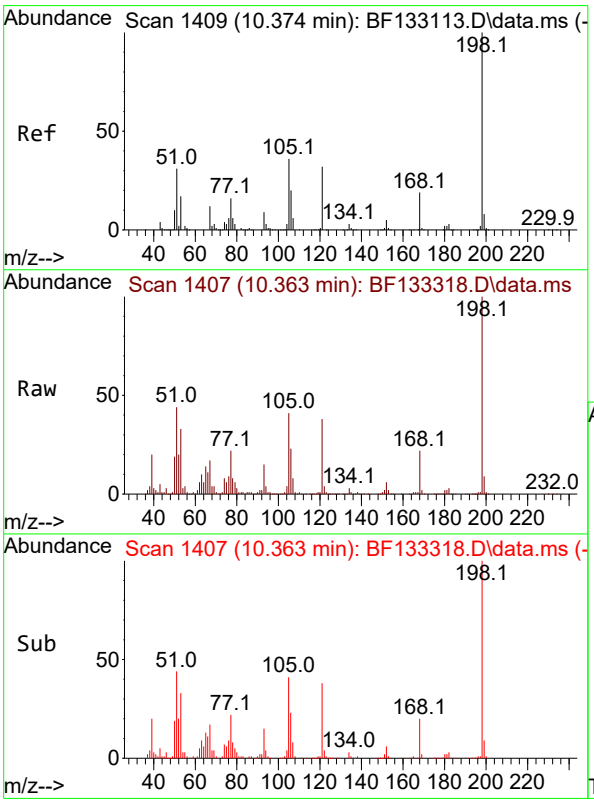
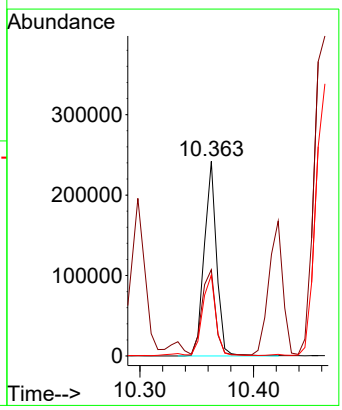


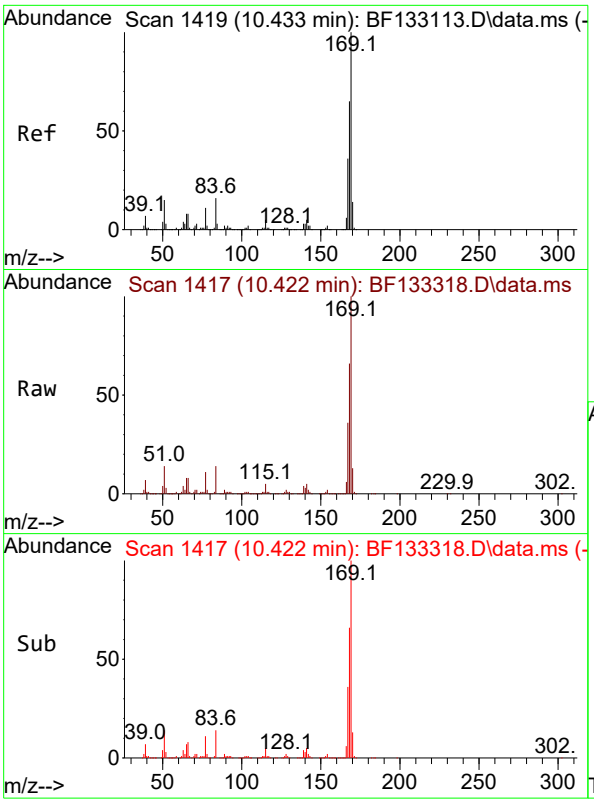


#65
4,6-Dinitro-2-methylphenol
Concen: 43.664 ng
RT: 10.363 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:198 Resp: 182433

Ion	Ratio	Lower	Upper
198	100		
51	44.3	15.5	55.5
105	41.5	16.7	56.7





#66
n-Nitrosodiphenylamine
Concen: 45.039 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:169 Resp: 100706

Ion	Ratio	Lower	Upper
169	100		
168	65.6	53.8	80.8
167	36.4	29.7	44.5

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02MSD

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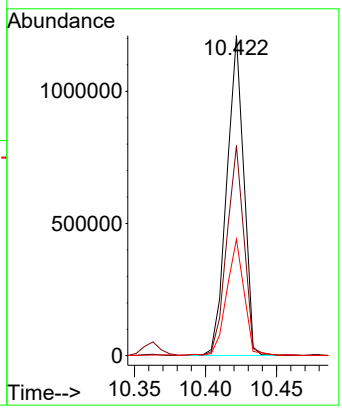
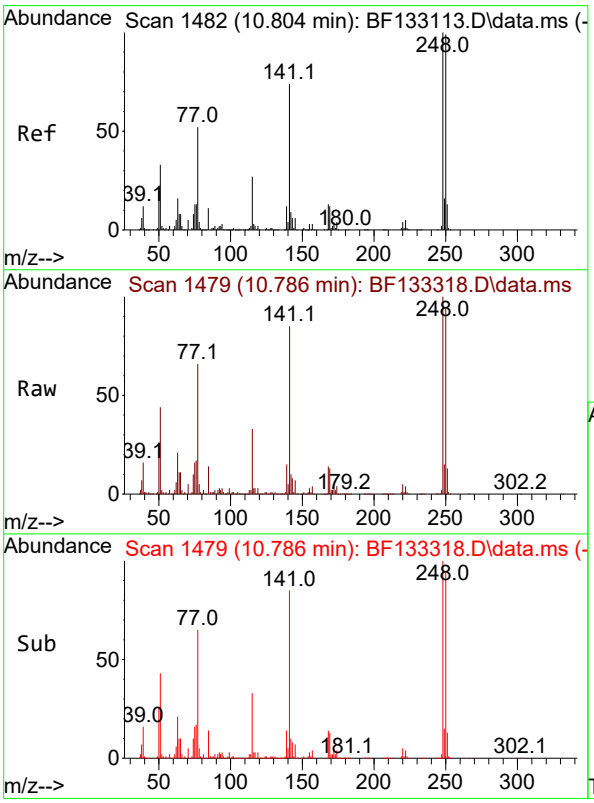
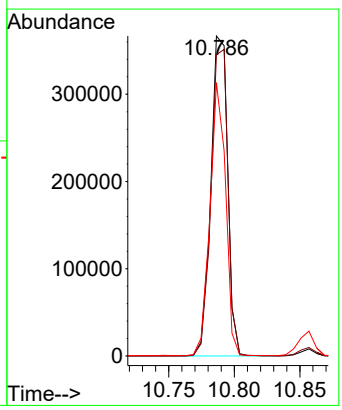


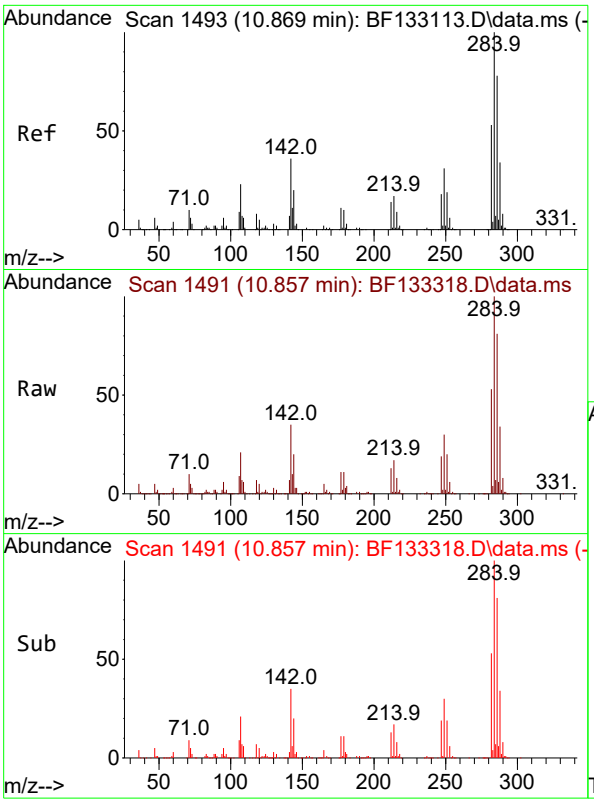


#67
4-Bromophenyl-phenylether
Concen: 43.810 ng
RT: 10.786 min Scan# 1479
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:248 Resp: 327526

Ion	Ratio	Lower	Upper
248	100		
250	94.2	78.7	118.1
141	85.4	56.3	84.5#





#68
Hexachlorobenzene
Concen: 46.063 ng
RT: 10.857 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:284 Resp: 35287

Ion	Ratio	Lower	Upper
284	100		
142	35.2	26.0	39.0
249	30.4	23.7	35.5

Instrument :
BNA_F
ClientSampleId :
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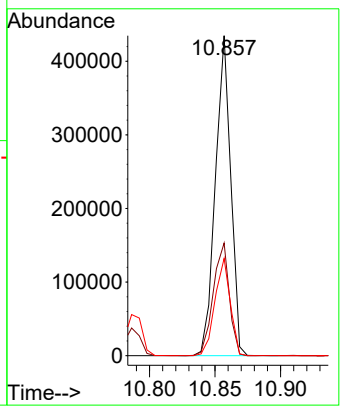
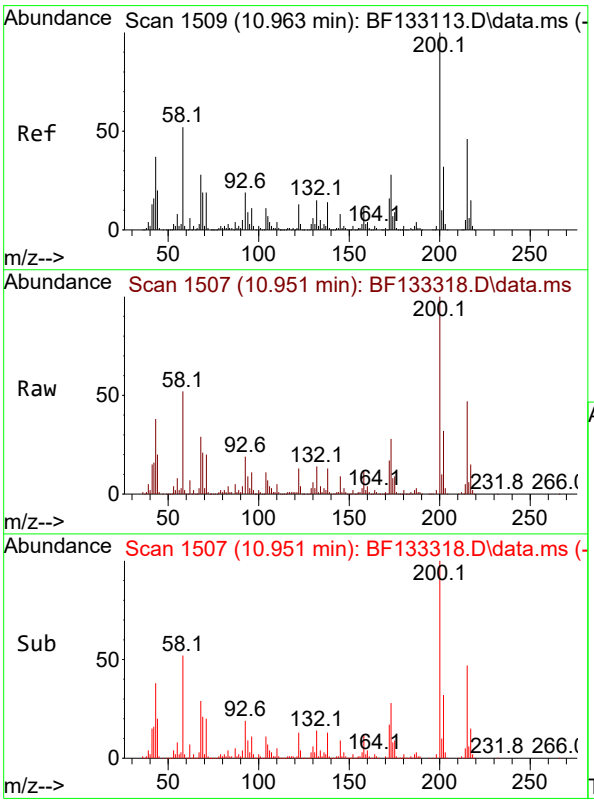
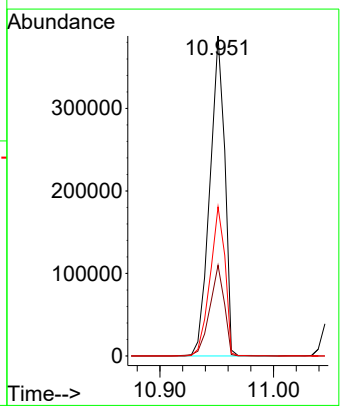


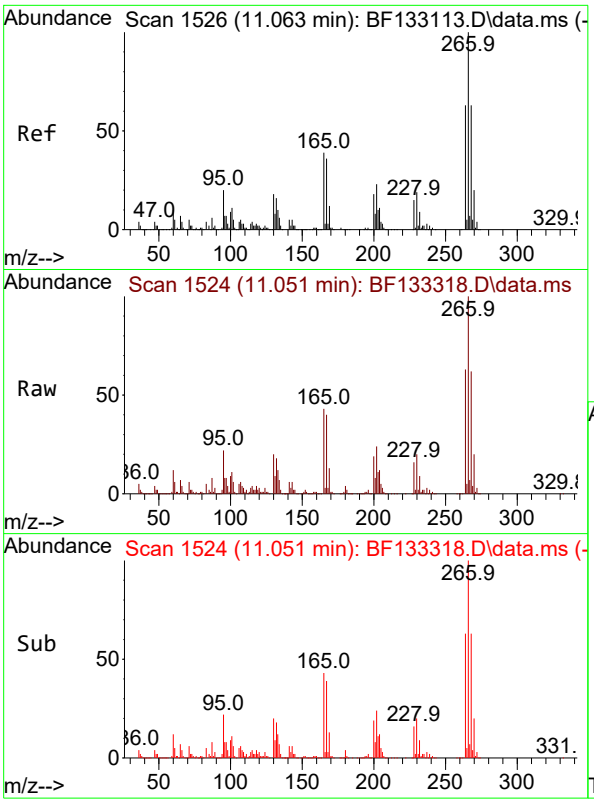


#69
Atrazine
Concen: 54.708 ng
RT: 10.951 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:200 Resp: 352473

Ion	Ratio	Lower	Upper
200	100		
173	28.3	6.2	46.2
215	46.6	26.3	66.3

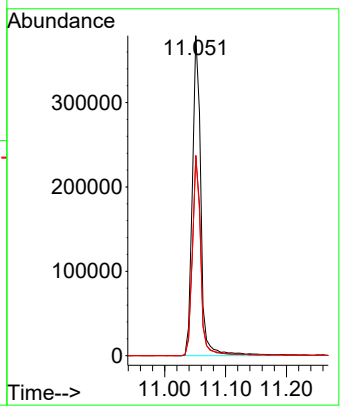




#70
Pentachlorophenol
Concen: 67.217 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:266 Resp: 36672

Ion	Ratio	Lower	Upper
266	100		
268	62.5	48.8	73.2
264	62.5	50.6	76.0



Instrument :
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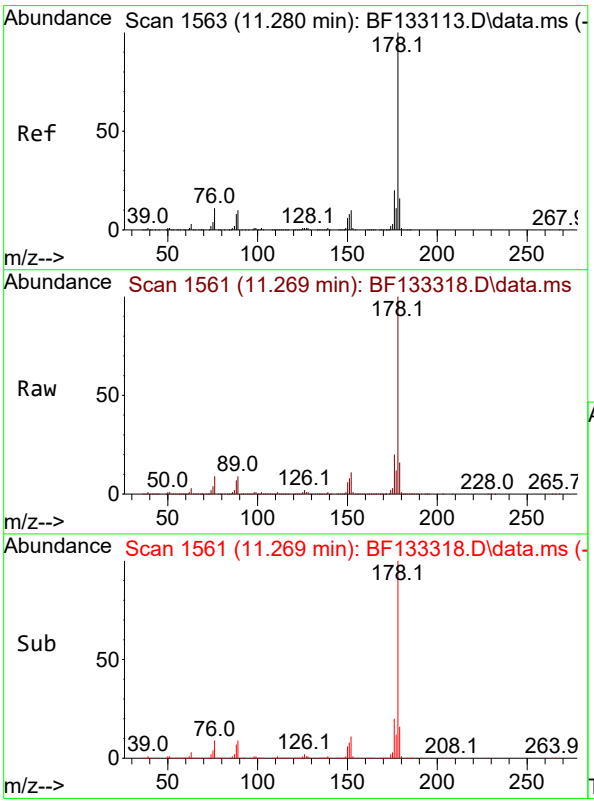
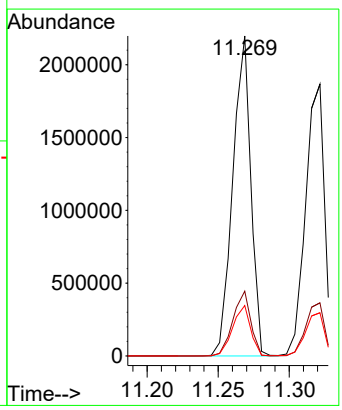
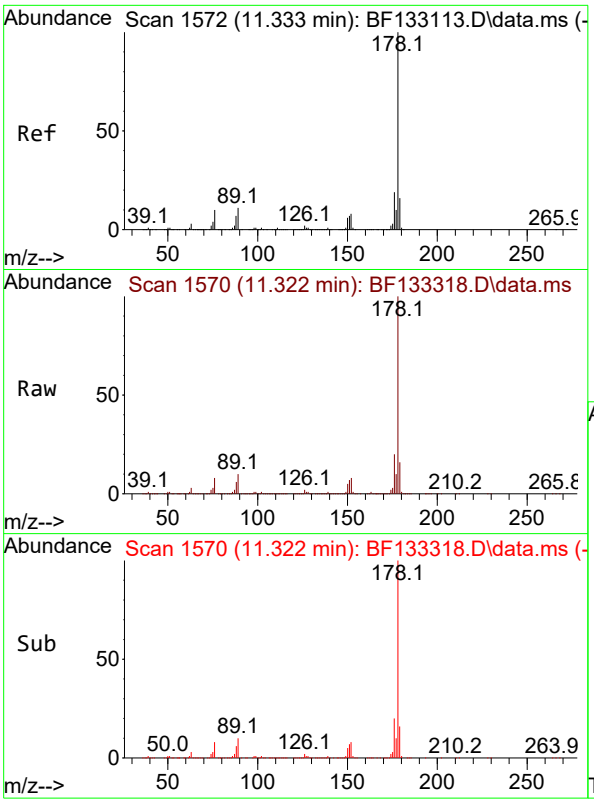


#71
Phenanthrene
Concen: 52.502 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:178 Resp: 1945160

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	15.7	12.5	18.7

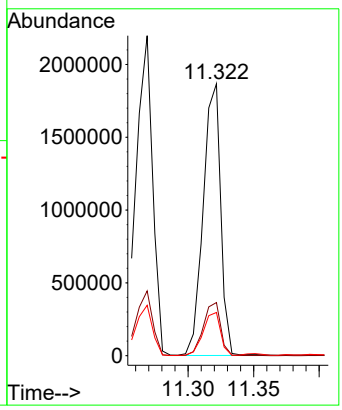




#72
Anthracene
Concen: 45.870 ng
RT: 11.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:178 Resp: 173918

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.9	12.4	18.6



Instrument :
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ClientSampleId :
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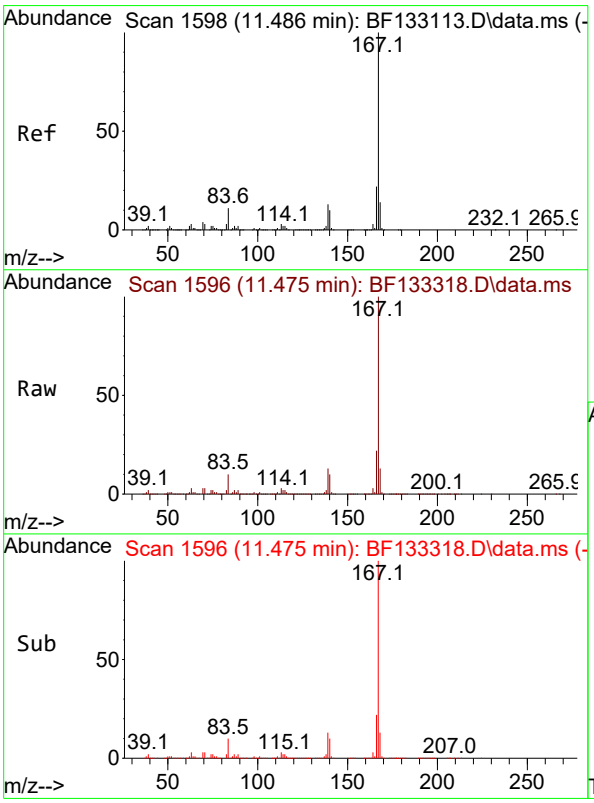
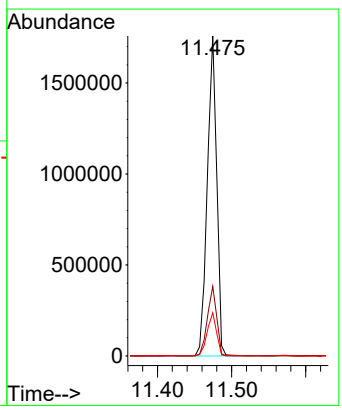
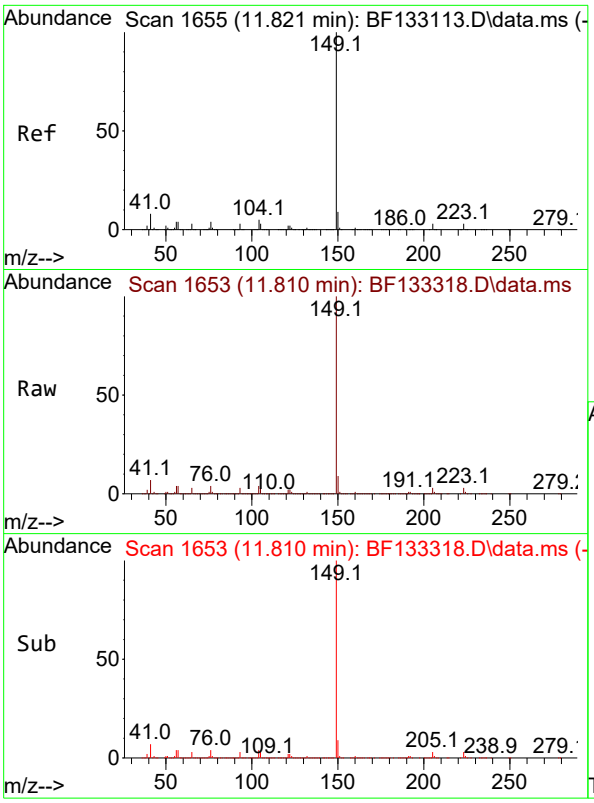


#73
Carbazole
Concen: 46.000 ng
RT: 11.475 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:167 Resp: 1553009

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.0
139	13.5	10.6	16.0

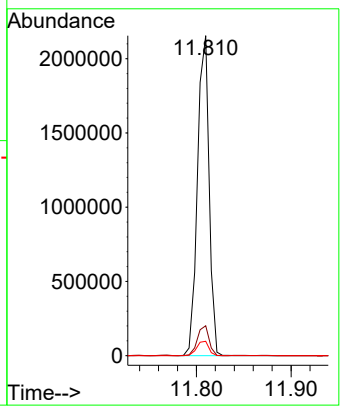




#74
Di-n-butylphthalate
Concen: 48.183 ng
RT: 11.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:149 Resp: 184086

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.6	11.4
104	4.5	4.0	6.0



Instrument :
BNA_F
ClientSampleId :
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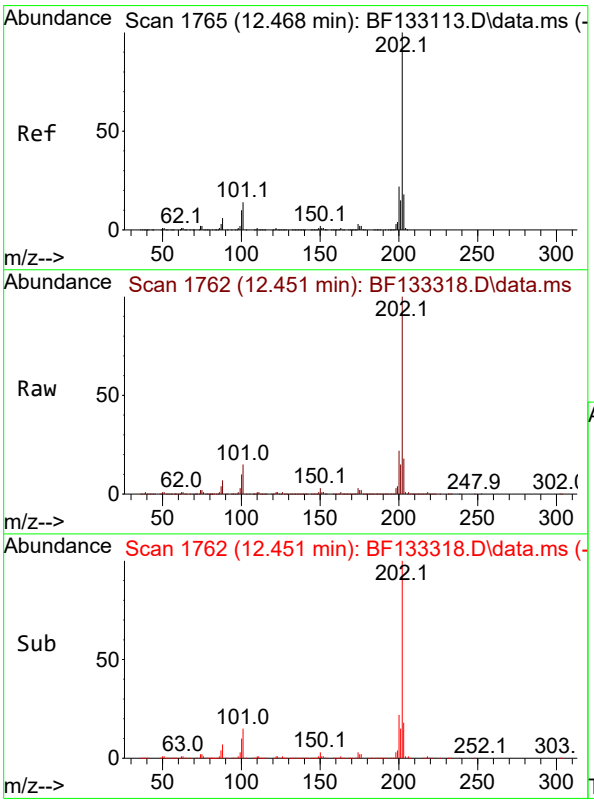
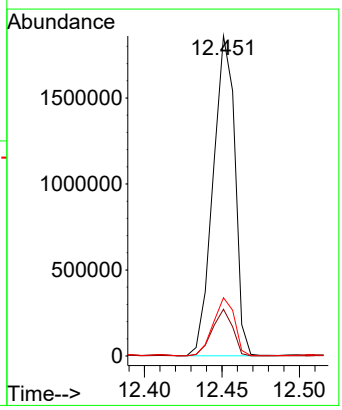
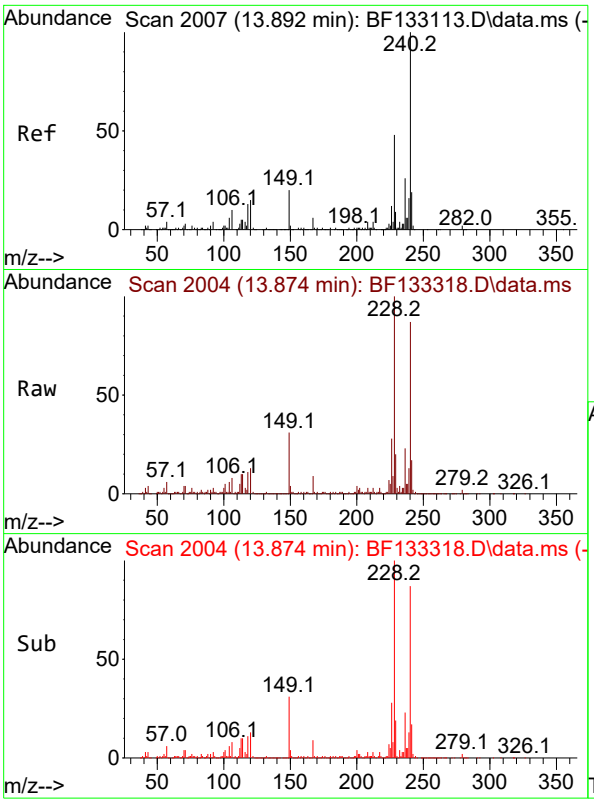


#75
Fluoranthene
Concen: 49.004 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:202 Resp: 1822088

Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	35.3
203	18.2	0.0	38.1

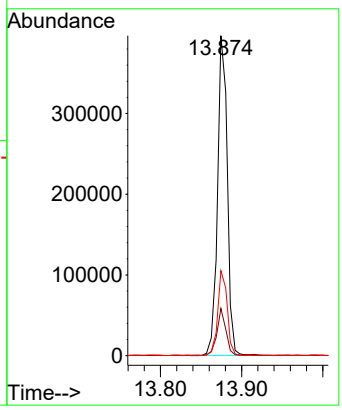




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:240 Resp: 33229

Ion	Ratio	Lower	Upper
240	100		
120	14.7	10.5	15.7
236	26.6	21.5	32.3



Instrument :
BNA_F
ClientSampleId :
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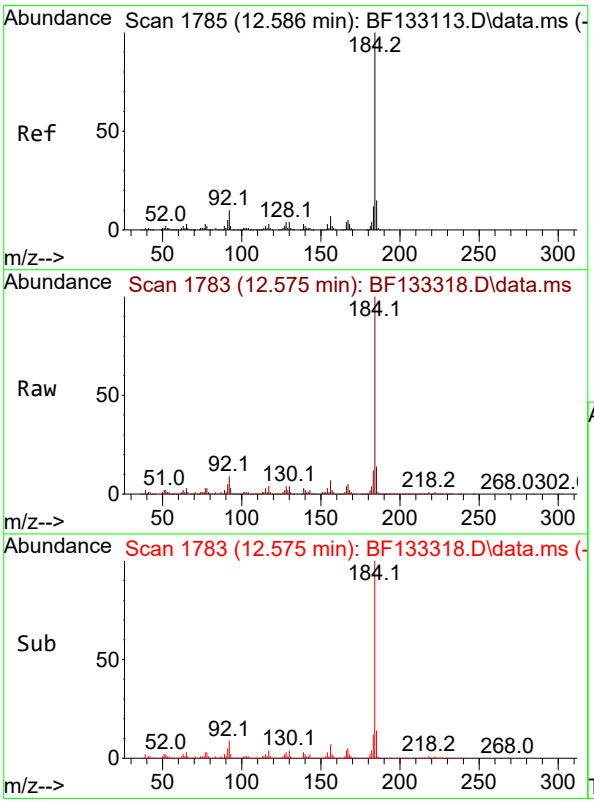
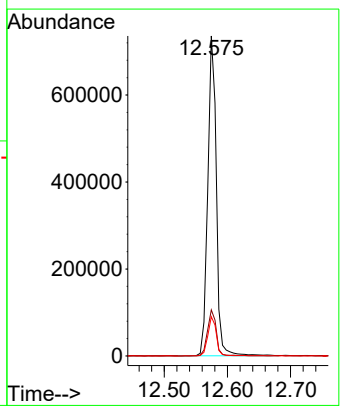
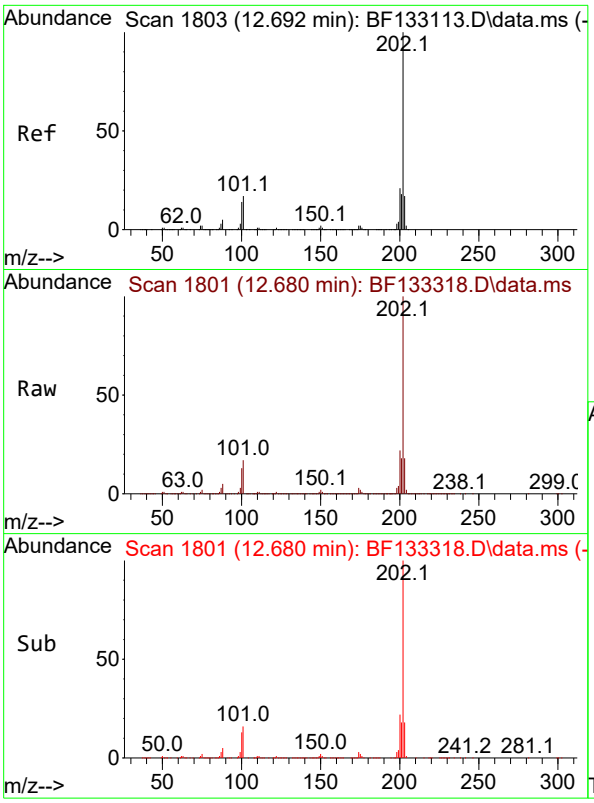


#77
Benzidine
Concen: 123.307 ng
RT: 12.575 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:184 Resp: 692884

Ion	Ratio	Lower	Upper
184	100		
185	14.4	15.4	23.2#
183	12.3	9.4	14.0

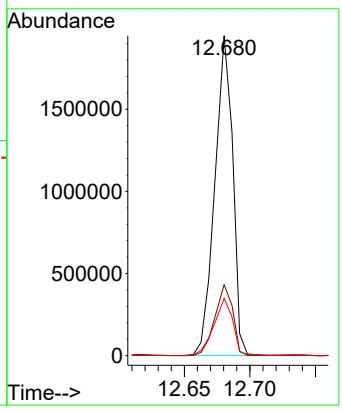




#78
Pyrene
Concen: 64.715 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:202 Resp: 184340

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.1	25.7
203	17.9	14.1	21.1



Instrument :
BNA_F
ClientSampleId :
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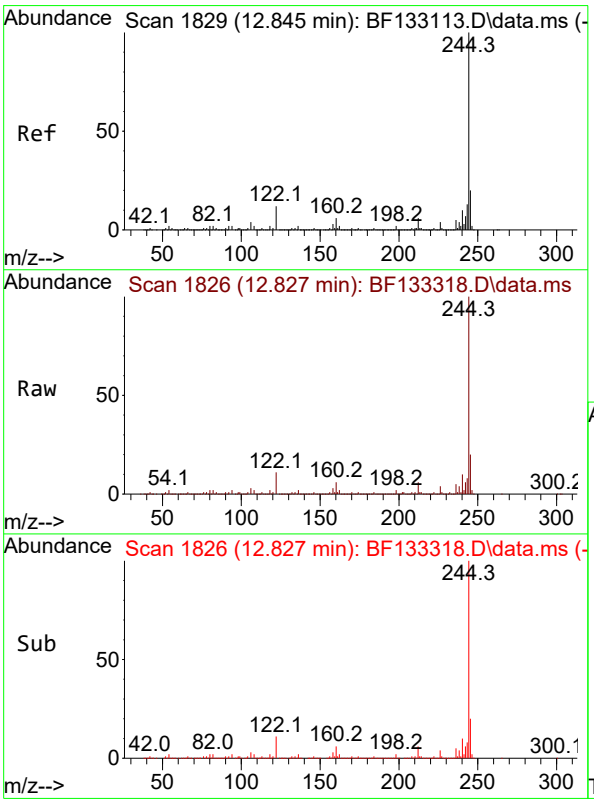
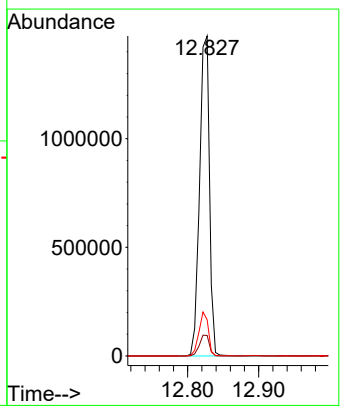
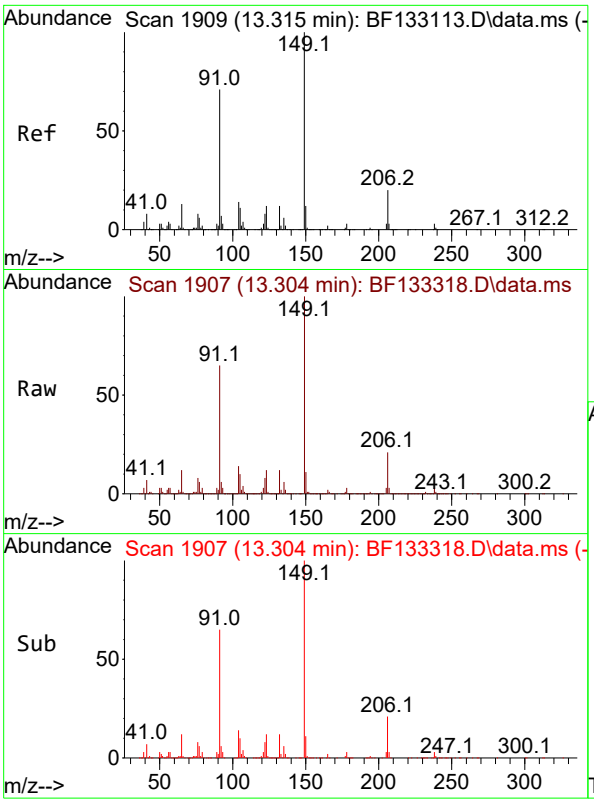


#79
Terphenyl-d14
Concen: 74.152 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:244 Resp: 1428672

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.1	7.7
122	11.3	8.6	13.0





#80
Butylbenzylphthalate
Concen: 65.094 ng
RT: 13.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:149 Resp: 65652

Ion	Ratio	Lower	Upper
149	100		
91	65.2	53.8	80.6
206	20.8	17.5	26.3

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02MSD

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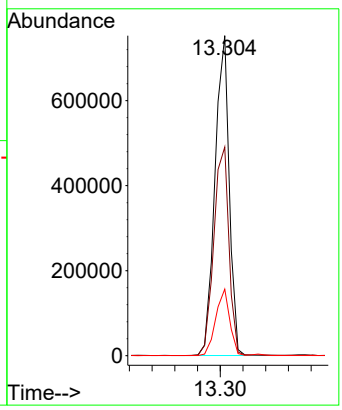
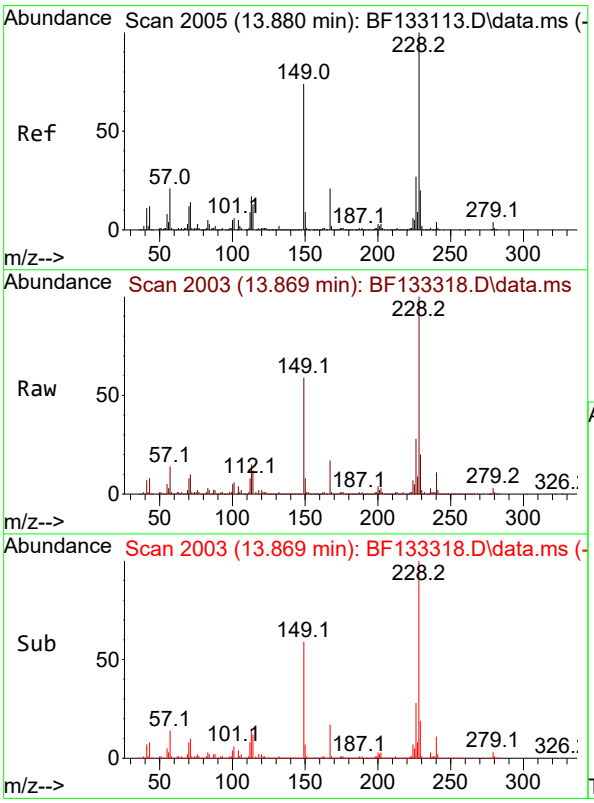
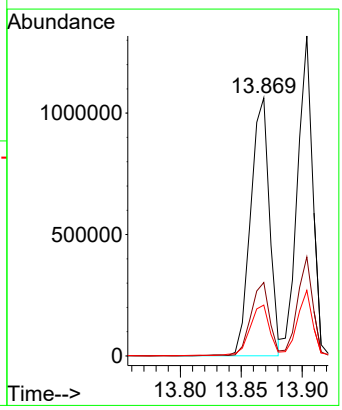


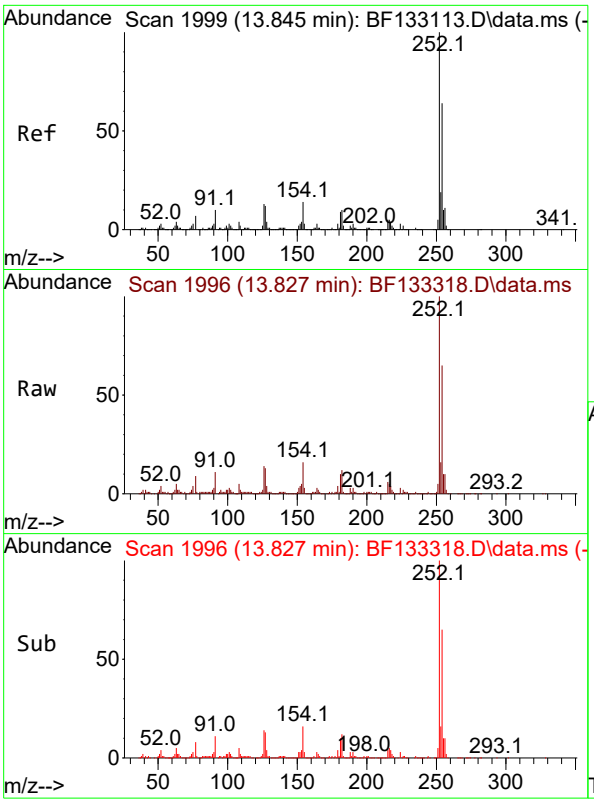


#81
Benzo(a)anthracene
Concen: 49.942 ng
RT: 13.869 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:228 Resp: 1141196

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.4
229	19.7	16.0	24.0

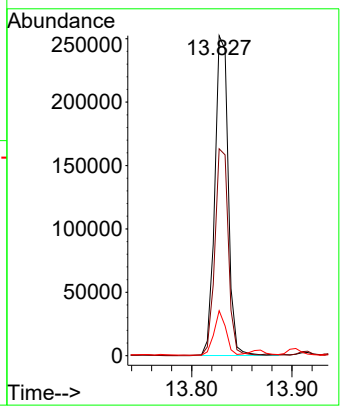




#82
3,3'-Dichlorobenzidine
Concen: 36.971 ng
RT: 13.827 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:252 Resp: 23337

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.5	77.3
126	14.1	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
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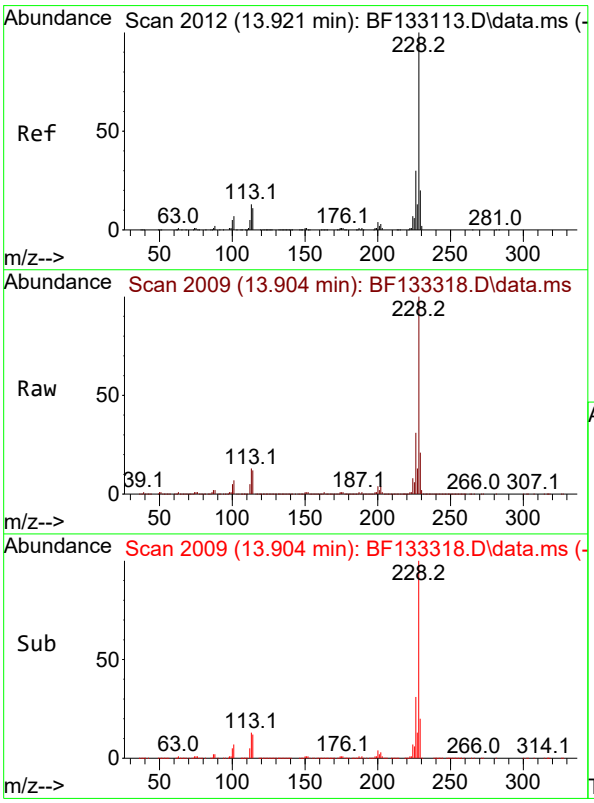
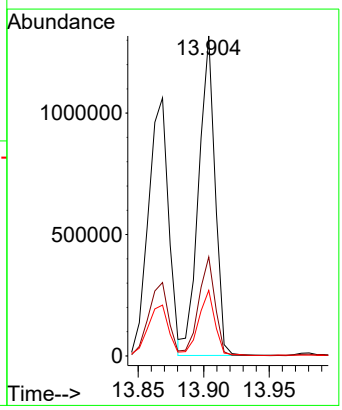
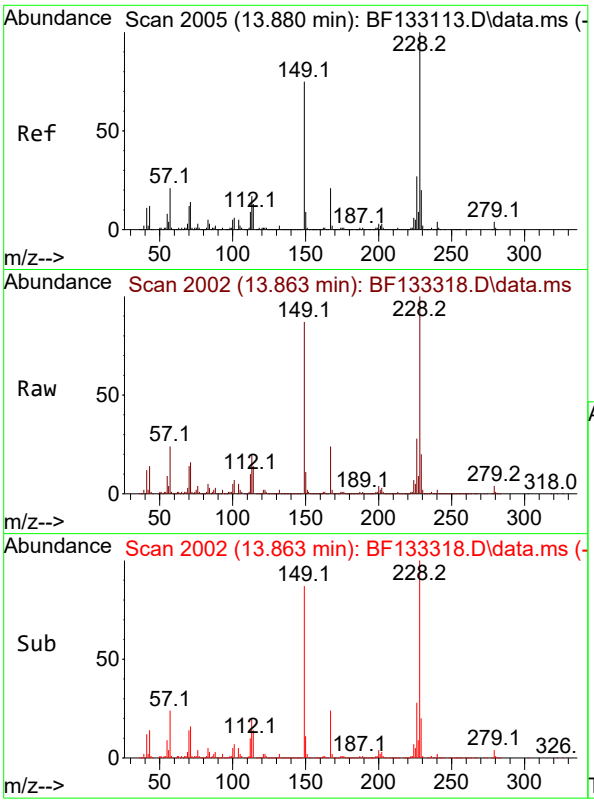


#83
Chrysene
Concen: 50.079 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:228 Resp: 1144058

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.7	37.1
229	20.5	16.1	24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 58.624 ng
RT: 13.863 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:149 Resp: 74214

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.5	33.7
279	4.2	4.2	6.4

Instrument :
BNA_F
ClientSampleId :
TR-612-COMP-02MSD

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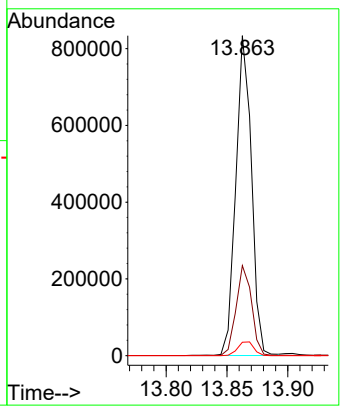
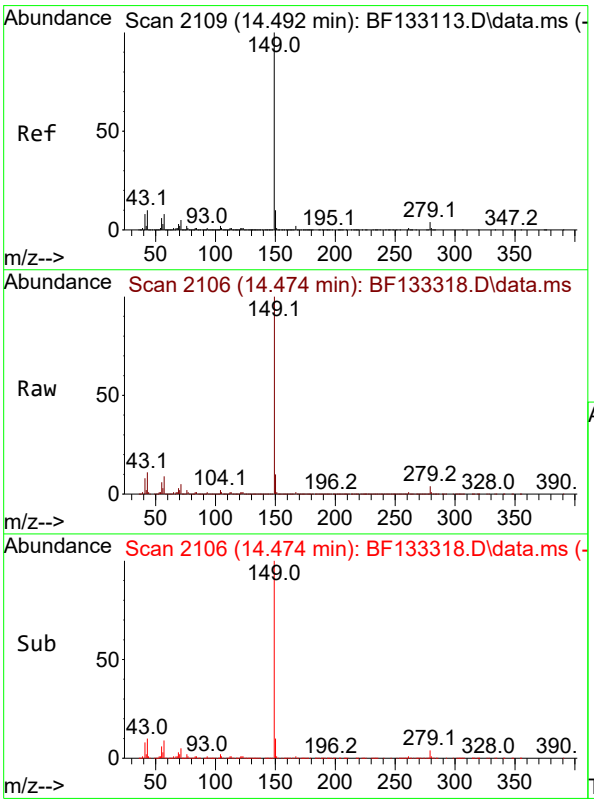
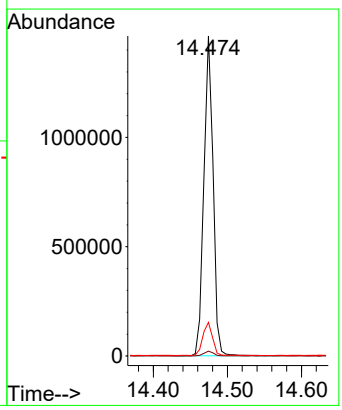


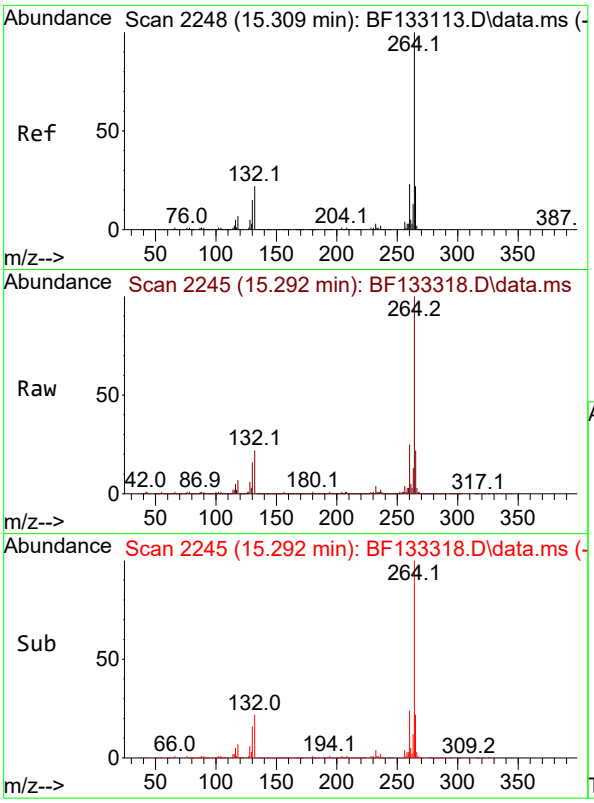


#85
Di-n-octyl phthalate
Concen: 61.604 ng
RT: 14.474 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:149 Resp: 1271622

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.8	9.5	14.3

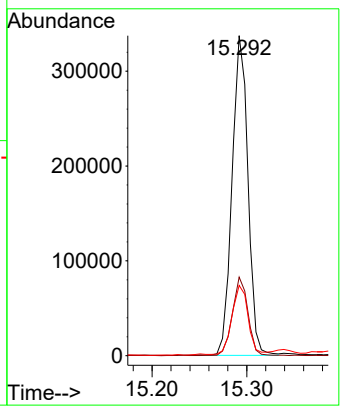




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:264 Resp: 39244

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	22.0	17.0	25.4



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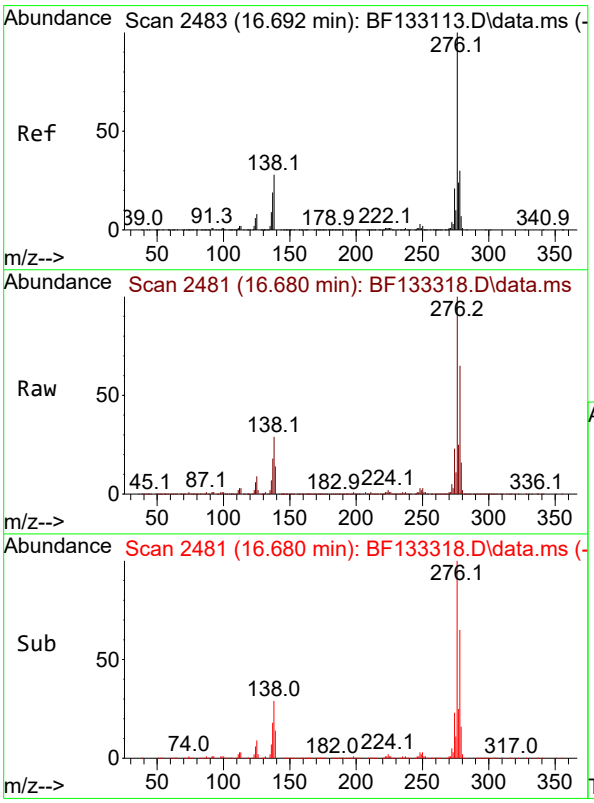
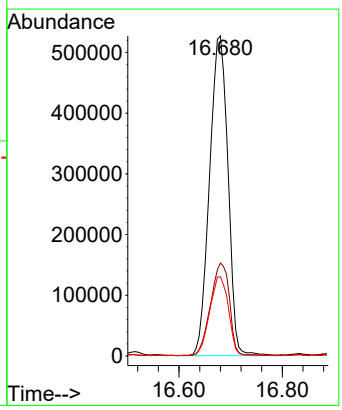
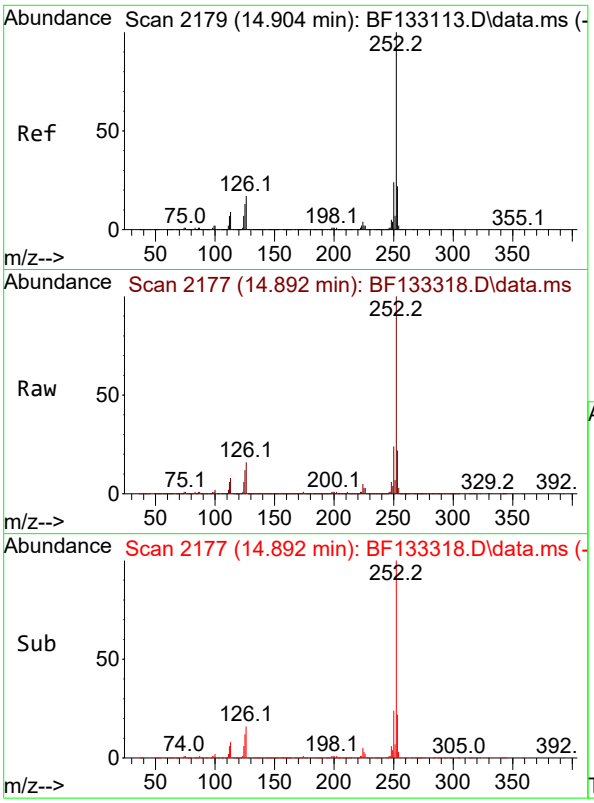


#87
Indeno(1,2,3-cd)pyrene
Concen: 58.441 ng
RT: 16.680 min Scan# 2481
Delta R.T. 0.006 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:276 Resp: 1304591

Ion	Ratio	Lower	Upper
276	100		
138	29.7	25.5	38.3
277	25.1	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 48.502 ng
RT: 14.892 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:252 Resp: 121096

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	12.2	8.9	13.3

Instrument :
BNA_F
ClientSampleId :
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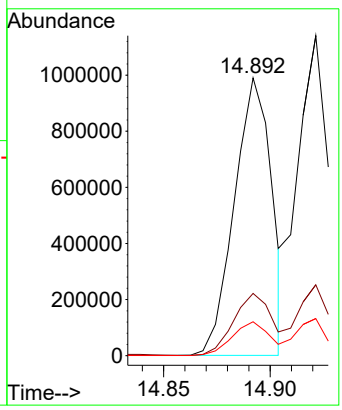
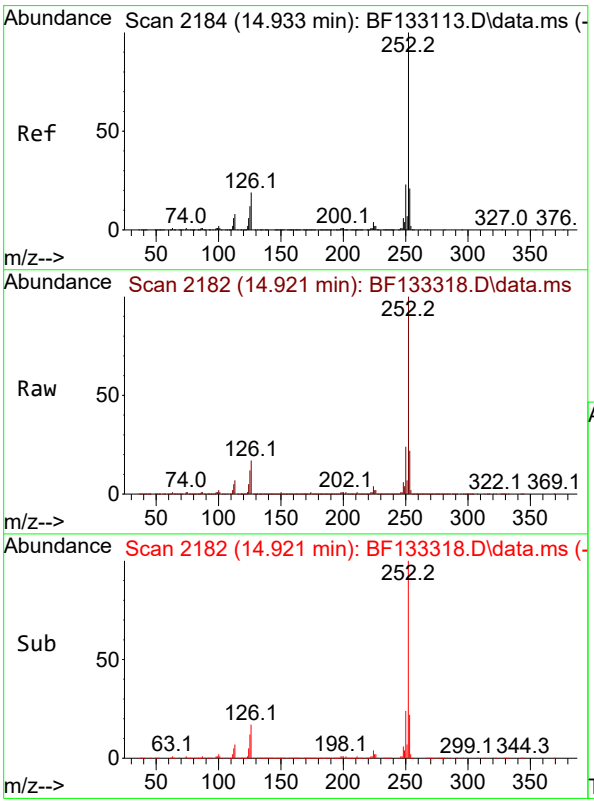
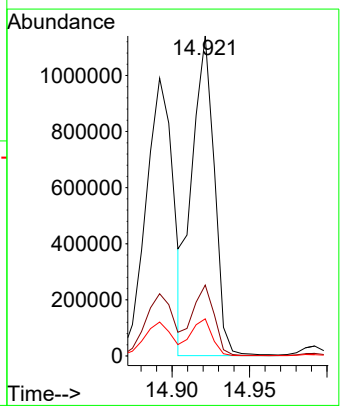


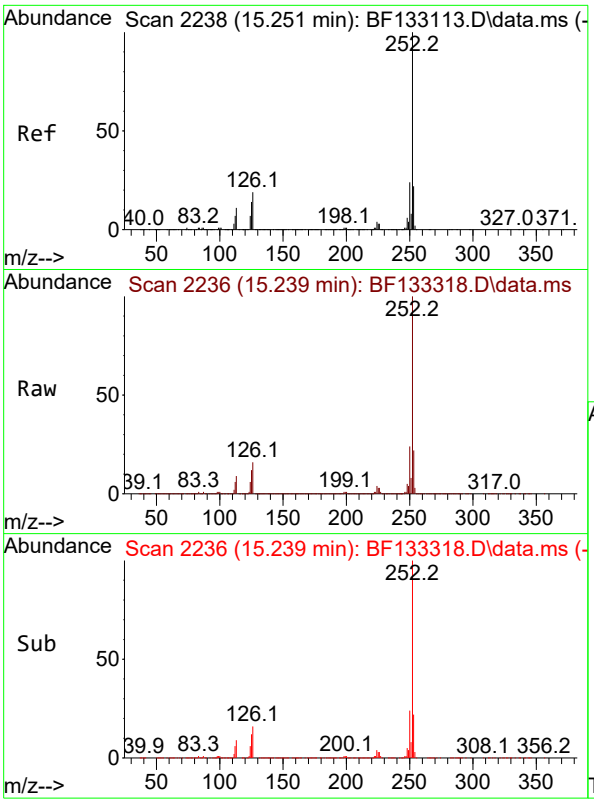


#89
Benzo(k)fluoranthene
Concen: 46.170 ng
RT: 14.921 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:252 Resp: 1142691

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.6	9.0	13.4

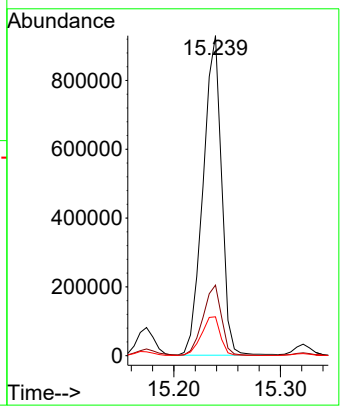




#90
Benzo(a)pyrene
Concen: 49.368 ng
RT: 15.239 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:252 Resp: 112191

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	12.2	10.5	15.7



Instrument :
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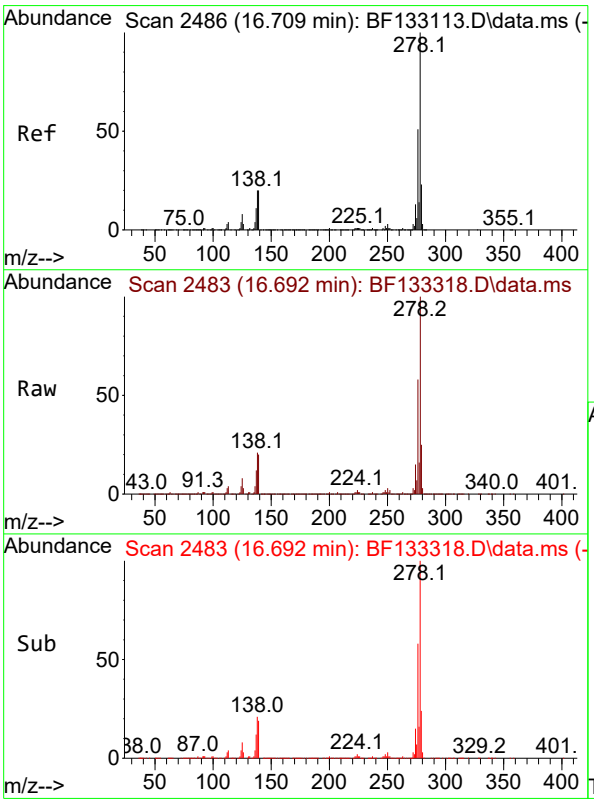
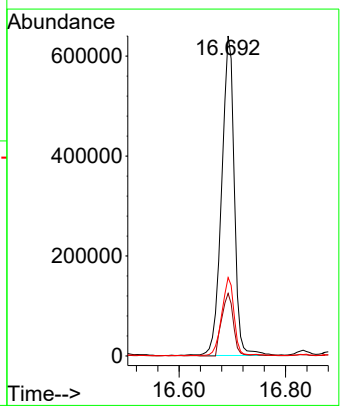
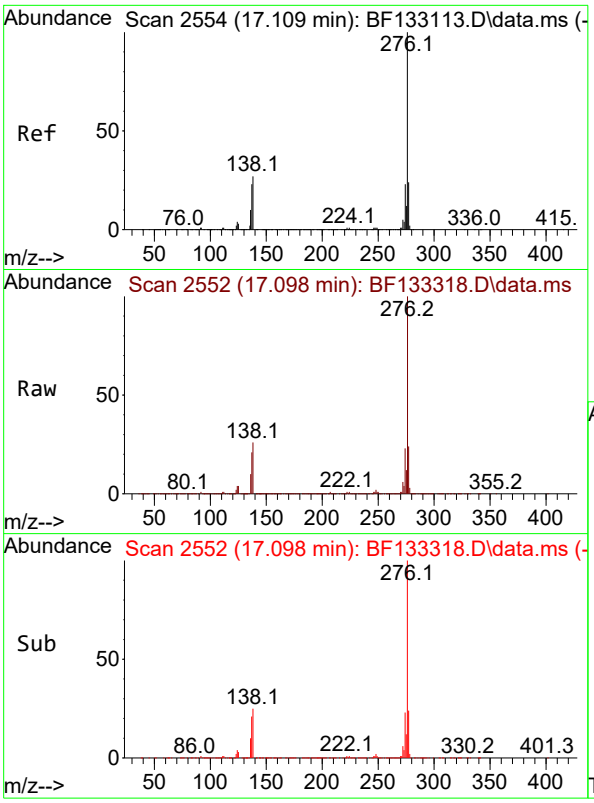


#91
Dibenzo(a,h)anthracene
Concen: 56.574 ng
RT: 16.692 min Scan# 2483
Delta R.T. 0.000 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:278 Resp: 1053332

Ion	Ratio	Lower	Upper
278	100		
139	19.5	16.6	24.8
279	24.5	18.8	28.2

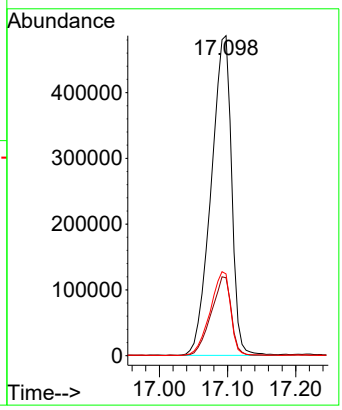




#92
Benzo(g,h,i)perylene
Concen: 55.171 ng
RT: 17.098 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF133318.D
Acq: 09 May 2023 15:35

Tgt Ion:276 Resp: 101413

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	25.6	22.7	34.1



Instrument :
BNA_F
ClientSampleId :
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