

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101321\
 Data File : BF125836.D
 Acq On : 13 Oct 2021 20:24
 Operator : JU/CG
 Sample : M4150-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FDR-20211007-WC

Quant Time: Oct 14 09:04:20 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 13 13:23:32 2021
 Response via : Initial Calibration

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

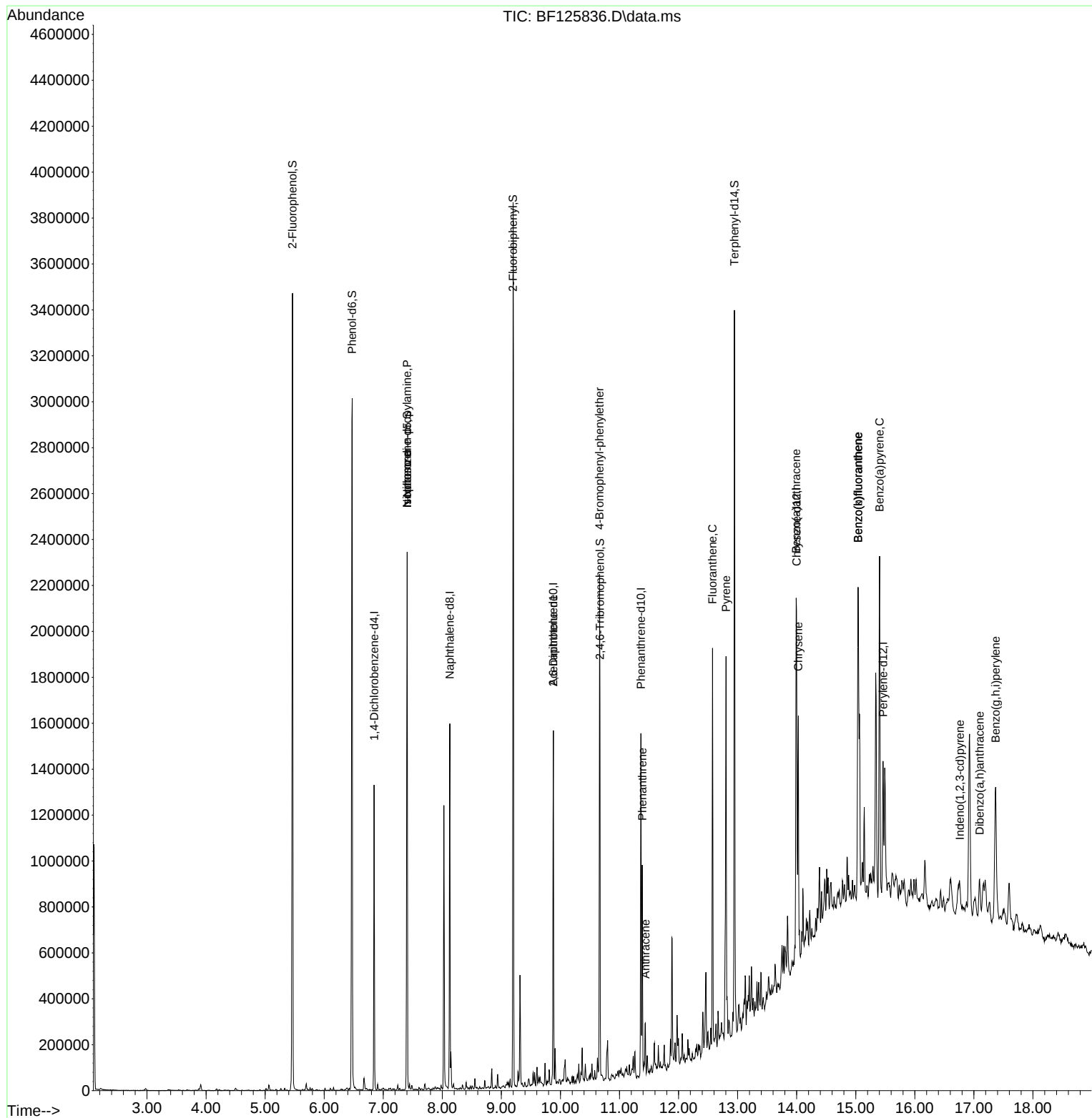
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	184266	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	661989	20.000	ng	# 0.00
39) Acenaphthene-d10	9.880	164	293817	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	500564	20.000	ng	0.00
76) Chrysene-d12	13.998	240	306923	20.000	ng	0.00
86) Perylene-d12	15.462	264	255330	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1050498	93.133	ng	0.00
7) Phenol-d6	6.475	99	1226359	84.457	ng	0.00
23) Nitrobenzene-d5	7.404	82	693900	65.157	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	263784	90.932	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1175001	68.977	ng	0.00
79) Terphenyl-d14	12.945	244	1053539	52.287	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	86210	11.247	ng	# 50
25) Isophorone	7.404	82	689958	36.569	ng	# 59
51) 2,6-Dinitrotoluene	9.880	165	39021	9.981	ng	# 28
67) 4-Bromophenyl-phenylether	10.663	248	14852	2.679	ng	# 1
71) Phenanthrene	11.386	178	295658	11.039	ng	99
72) Anthracene	11.439	178	88500	3.308	ng	100
75) Fluoranthene	12.574	202	621858	25.732	ng	97
78) Pyrene	12.804	202	661841	21.226	ng	97
81) Benzo(a)anthracene	13.992	228	450209	22.609	ng	94
83) Chrysene	14.027	228	427655	21.728	ng	95
87) Indeno(1,2,3-cd)pyrene	16.762	276	96812	4.968	ng	95
88) Benzo(b)fluoranthene	15.039	252	1105019	76.657	ng	96
89) Benzo(k)fluoranthene	15.039	252	1105019	74.663	ng	# 95
90) Benzo(a)pyrene	15.404	252	726816	56.936	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	120654	7.506	ng	92
92) Benzo(g,h,i)perylene	17.368	276	551505	33.595	ng	93

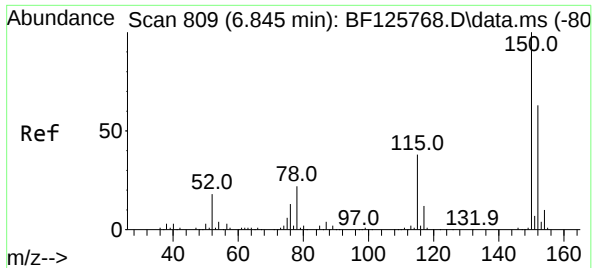
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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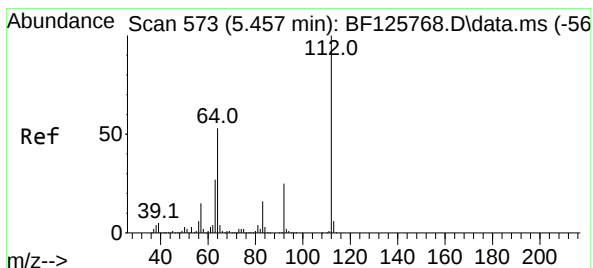
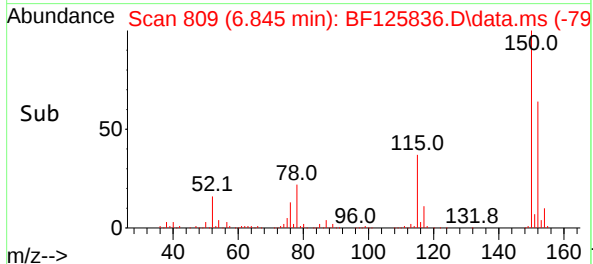
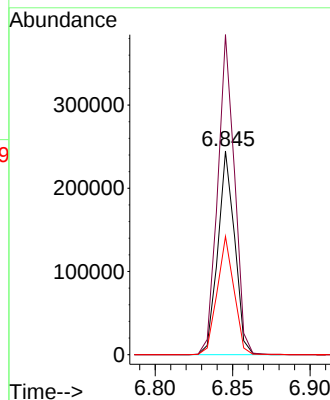
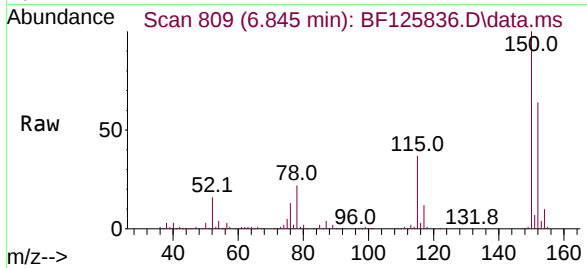




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

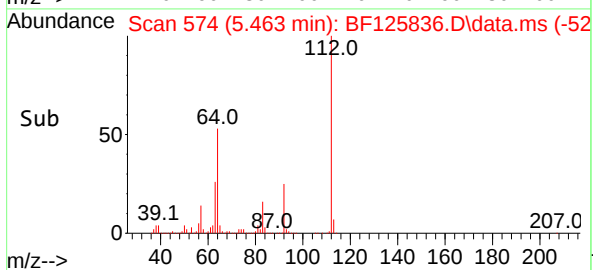
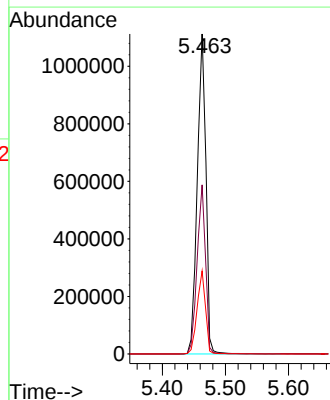
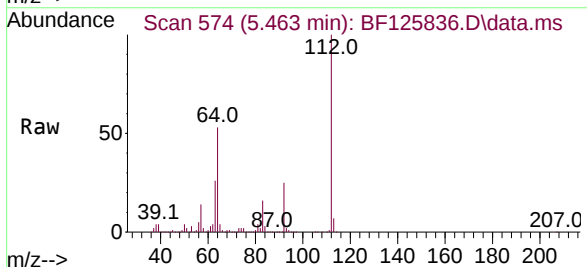
Instrument :
BNA_F
ClientSampleId :
FDR-20211007-WC

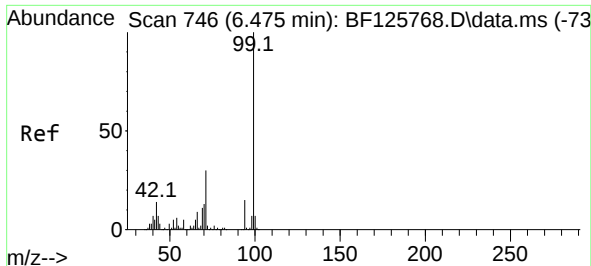
Tgt Ion:152 Resp: 184266
Ion Ratio Lower Upper
152 100
150 157.1 117.6 176.4
115 58.1 47.1 70.7



#5
2-Fluorophenol
Concen: 93.133 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

Tgt Ion:112 Resp: 1050498
Ion Ratio Lower Upper
112 100
64 52.8 44.2 66.2
63 25.9 26.2 39.2#

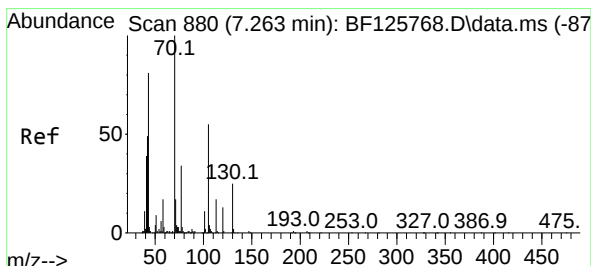
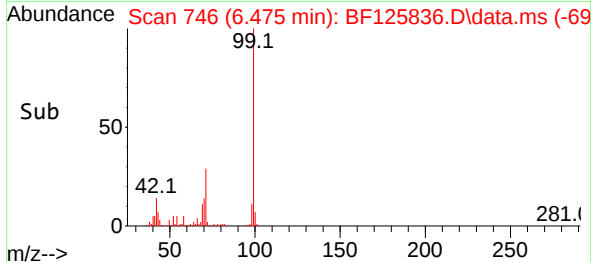
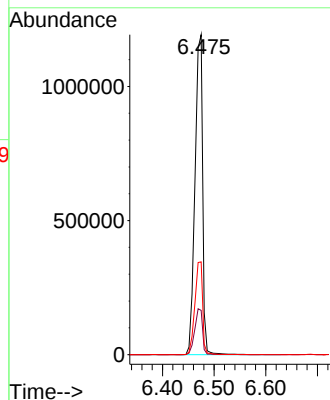
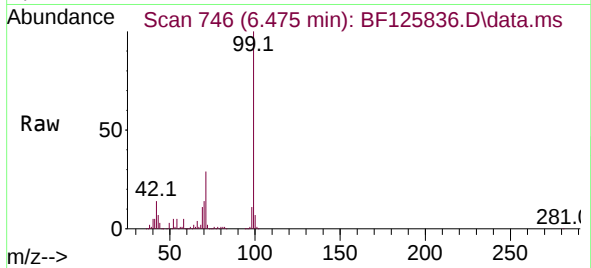




#7
Phenol-d6
Concen: 84.457 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.000 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

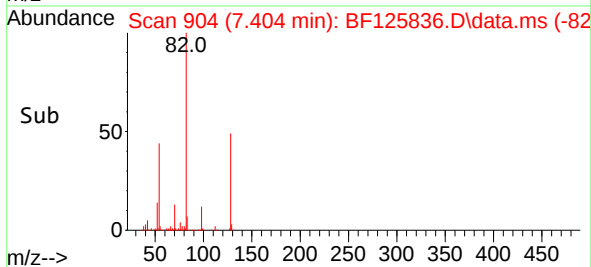
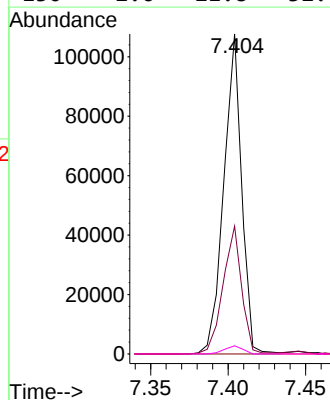
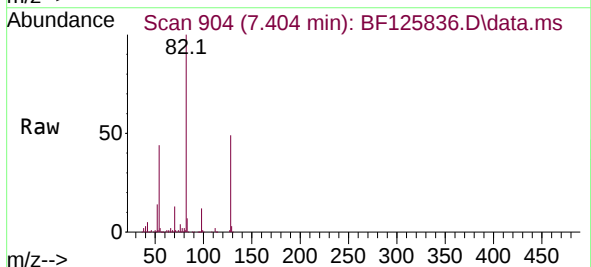
Instrument :
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ClientSampleId :
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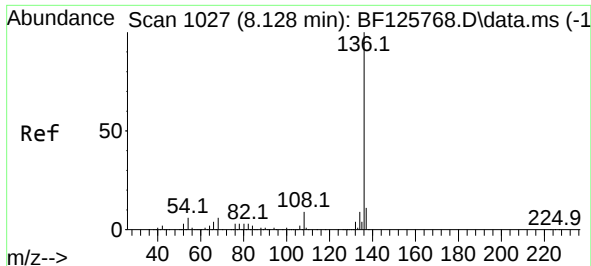
Tgt Ion: 99 Resp: 1226359
Ion Ratio Lower Upper
99 100
42 13.9 23.5 35.3#
71 29.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.247 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.141 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

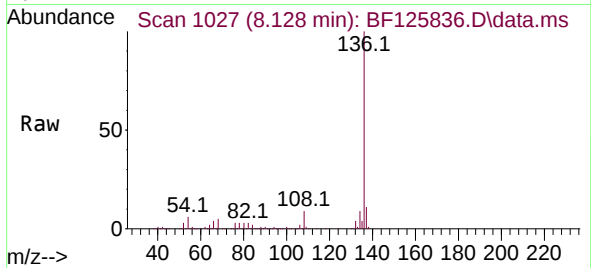
Tgt Ion: 70 Resp: 86210
Ion Ratio Lower Upper
70 100
42 39.9 72.2 108.2#
101 0.0 7.8 11.8#
130 2.6 21.8 32.6#



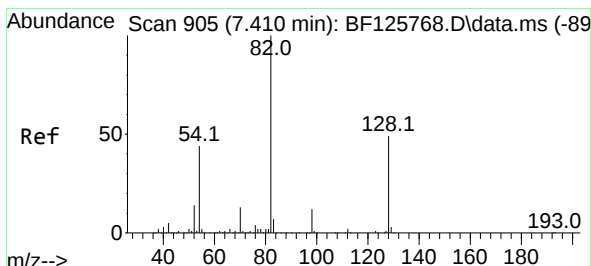
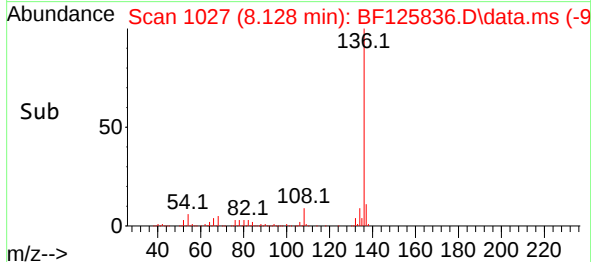
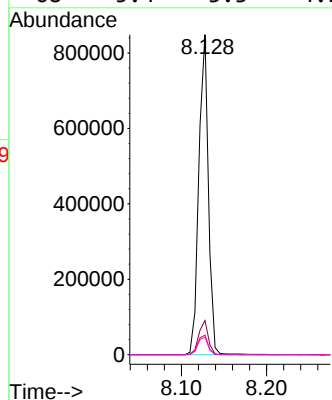


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

Instrument :
BNA_F
ClientSampleId :
FDR-20211007-WC

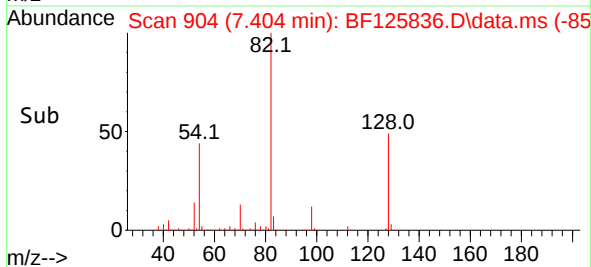
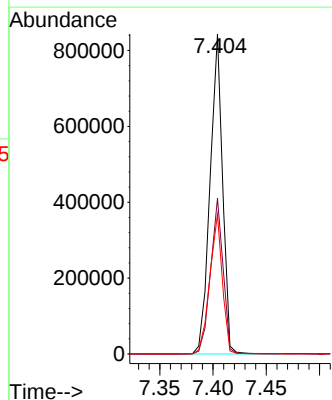
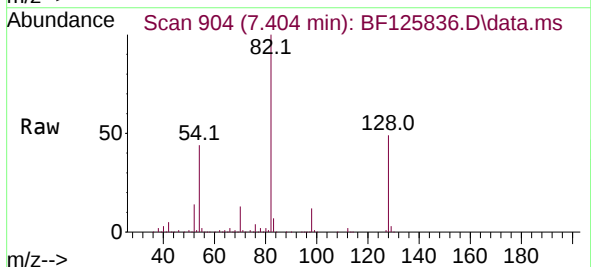


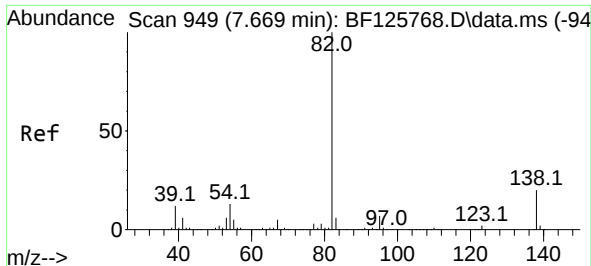
Tgt Ion:136	Resp: 661989
Ion Ratio	Lower Upper
136	100
137	10.6 9.8 14.6
54	6.1 6.4 9.6#
68	5.4 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 65.157 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

Tgt Ion: 82	Resp: 693900
Ion Ratio	Lower Upper
82	100
128	48.7 40.6 60.8
54	43.6 49.6 74.4#

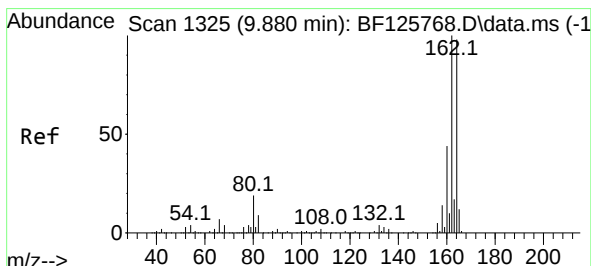
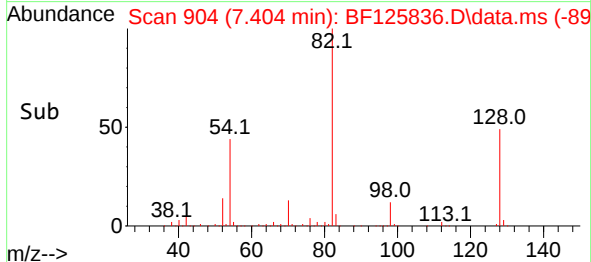
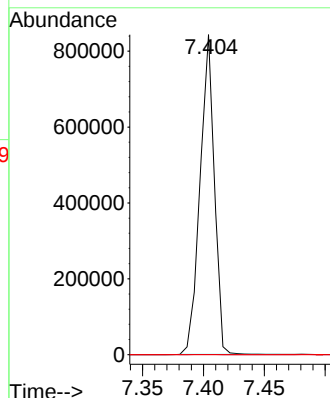
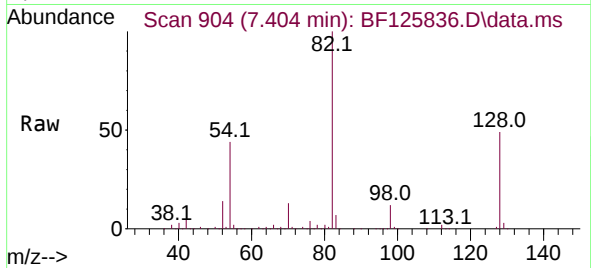




#25
Isophorone
Concen: 36.569 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.265 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

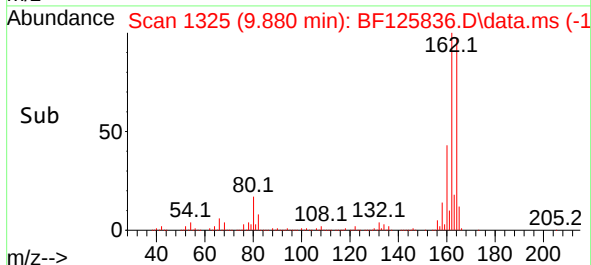
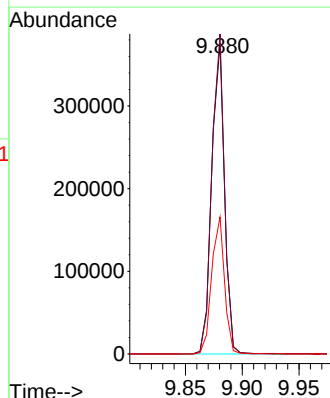
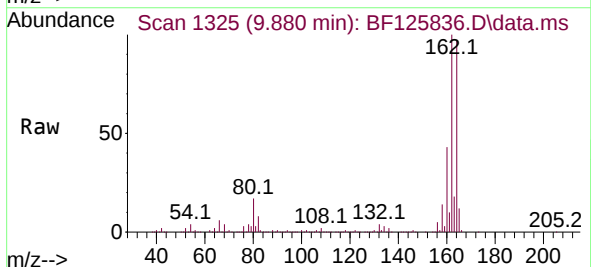
Instrument :
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ClientSampleId :
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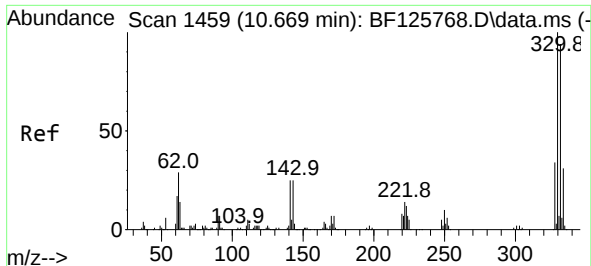
Tgt Ion: 82 Resp: 689958
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

Tgt Ion:164 Resp: 293817
Ion Ratio Lower Upper
164 100
162 103.0 81.3 121.9
160 44.1 38.0 57.0

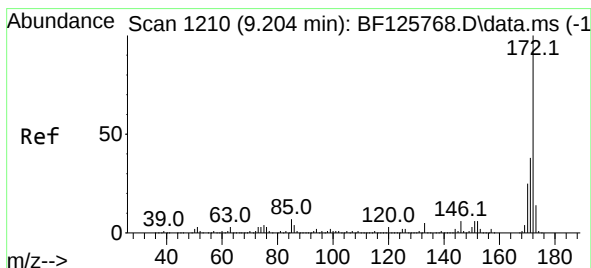
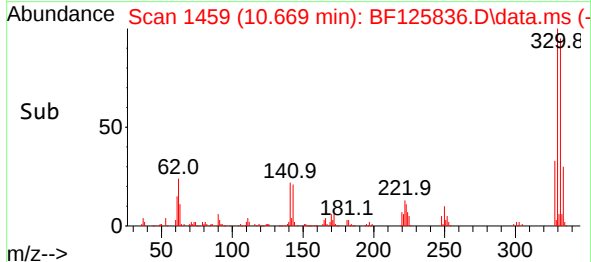
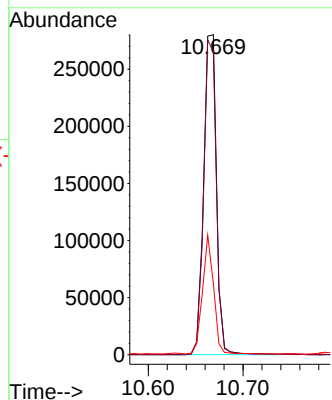
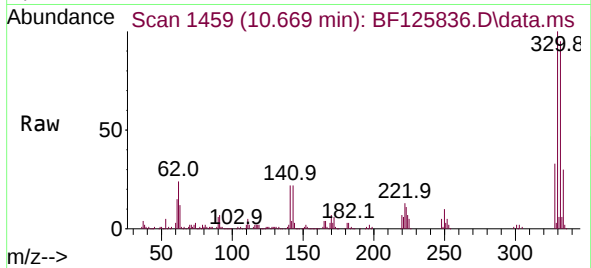




#42
2,4,6-Tribromophenol
Concen: 90.932 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.000 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

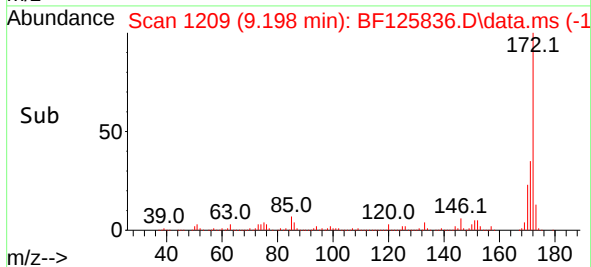
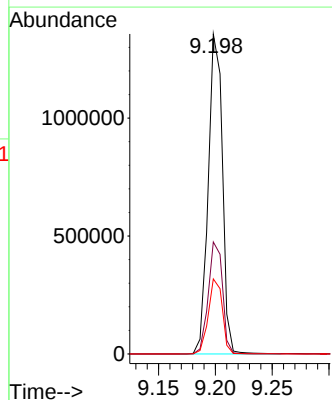
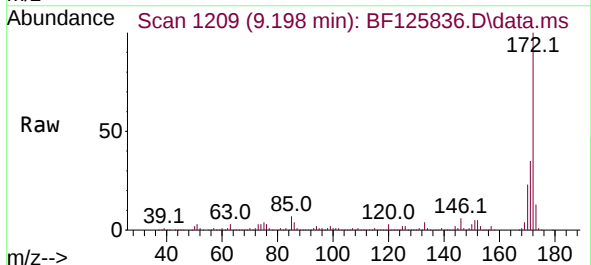
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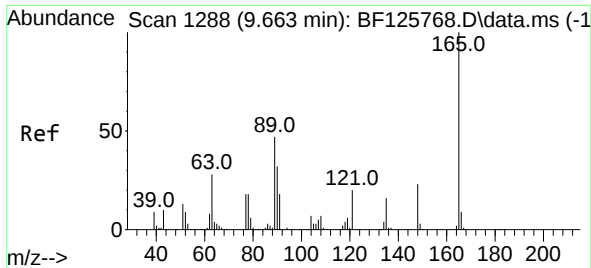
Tgt Ion:330 Resp: 263784
Ion Ratio Lower Upper
330 100
332 96.3 76.2 114.4
141 32.5 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 68.977 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

Tgt Ion:172 Resp: 1175001
Ion Ratio Lower Upper
172 100
171 35.0 26.5 39.7
170 23.5 18.8 28.2

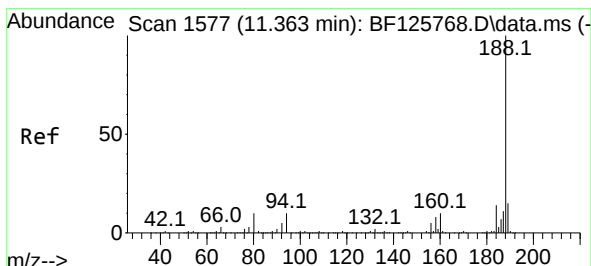
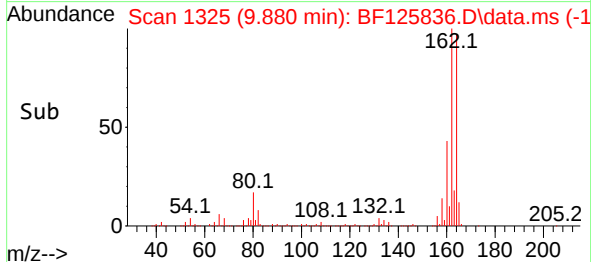
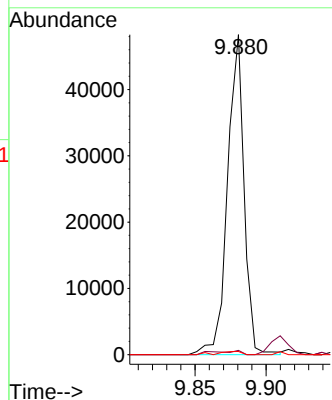
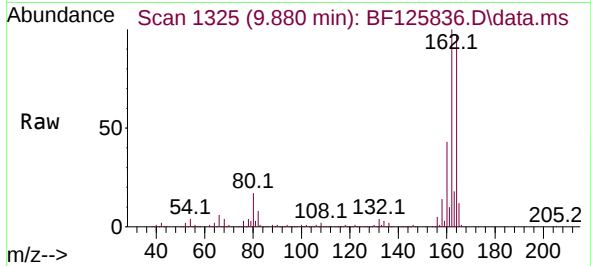




#51
2,6-Dinitrotoluene
Concen: 9.981 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.218 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

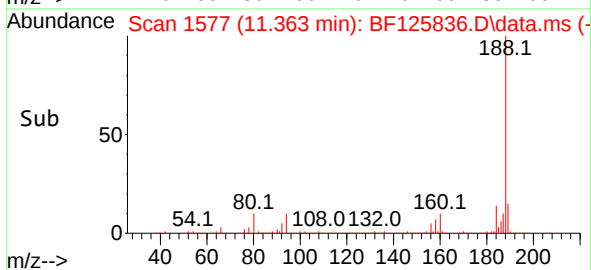
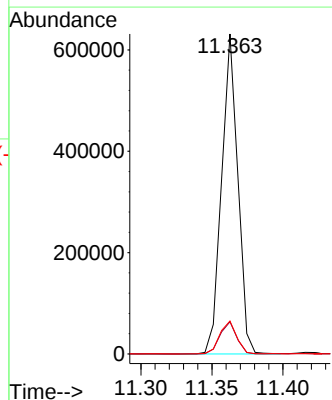
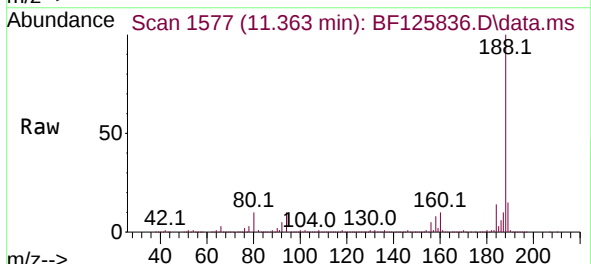
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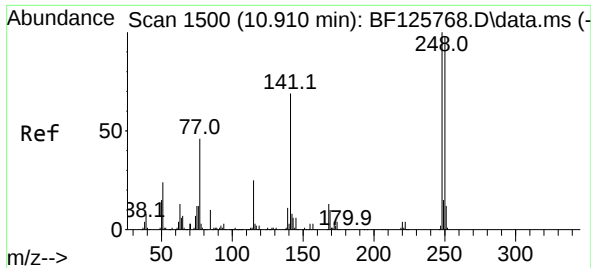
Tgt Ion:165 Resp: 39021
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 1.0 40.6 60.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

Tgt Ion:188 Resp: 500564
Ion Ratio Lower Upper
188 100
94 10.0 6.7 10.1
80 10.3 7.5 11.3

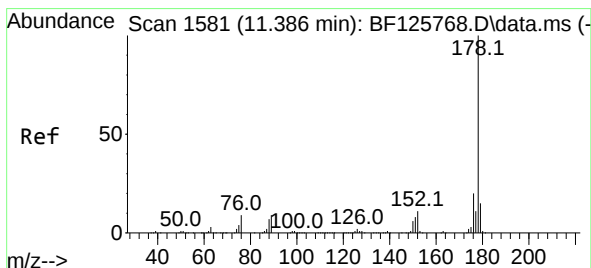
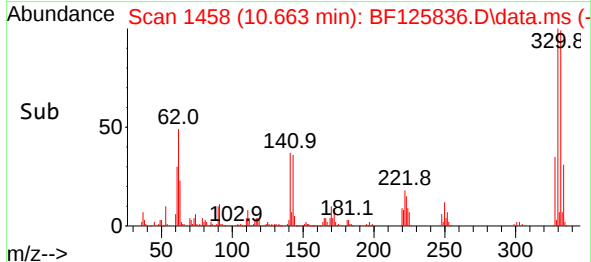
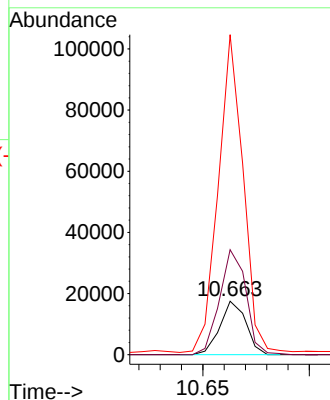
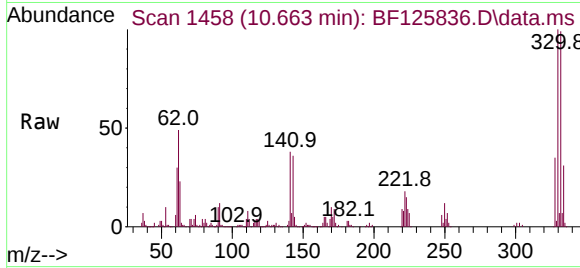




#67
4-Bromophenyl-phenylether
Concen: 2.679 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

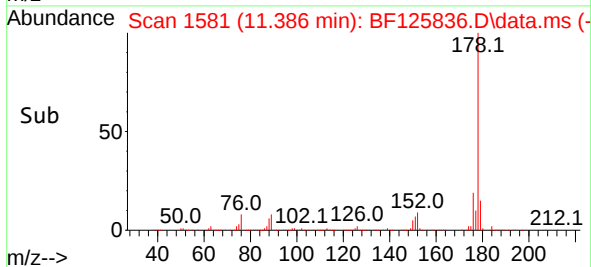
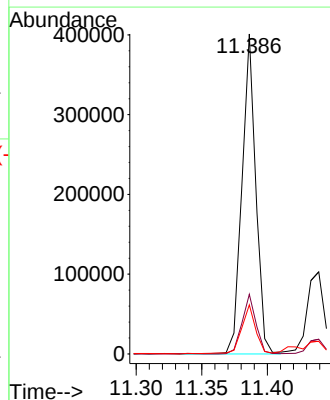
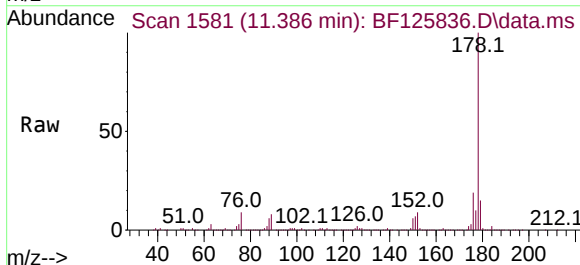
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ClientSampleId :
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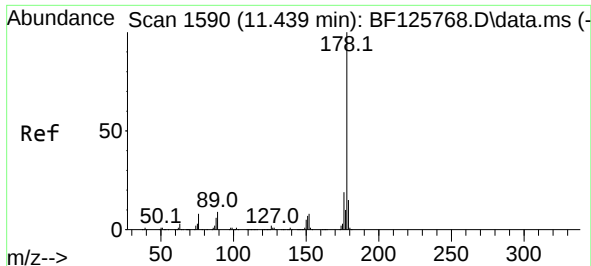
Tgt Ion:248 Resp: 14852
Ion Ratio Lower Upper
248 100
250 196.3 74.2 111.4#
141 598.5 60.4 90.6#



#71
Phenanthrene
Concen: 11.039 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

Tgt Ion:178 Resp: 295658
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.4 11.5 17.3

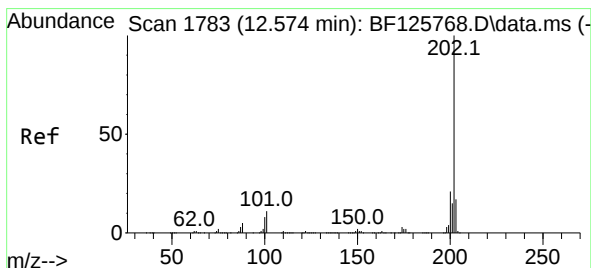
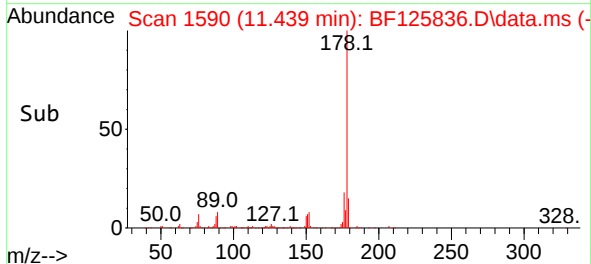
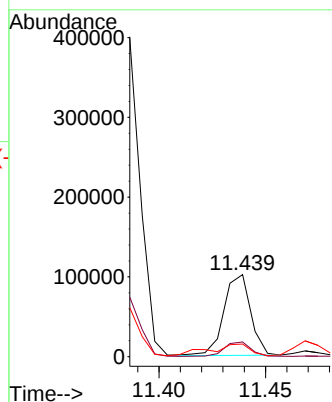
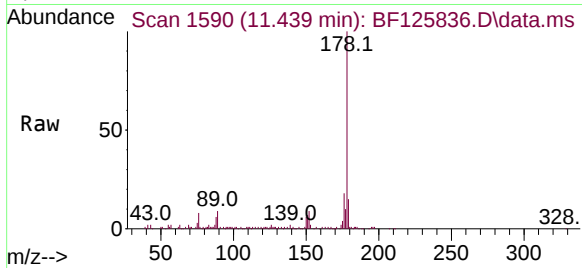




#72
 Anthracene
 Concen: 3.308 ng
 RT: 11.439 min Scan# 1590
 Delta R.T. -0.000 min
 Lab File: BF125836.D
 Acq: 13 Oct 2021 20:24

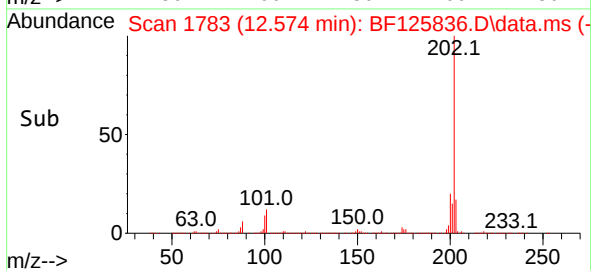
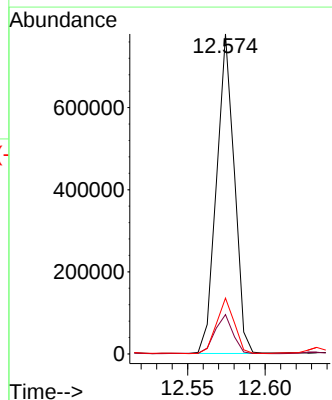
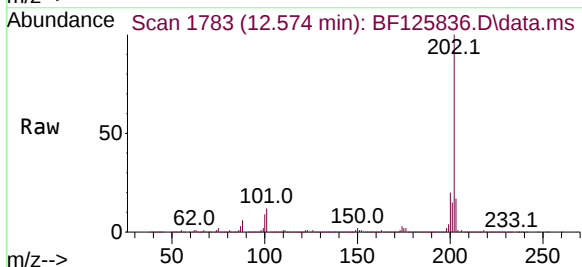
Instrument :
 BNA_F
 ClientSampleId :
 FDR-20211007-WC

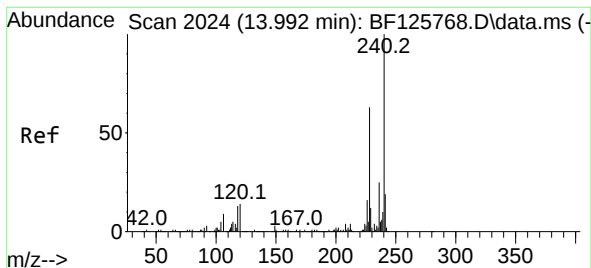
Tgt Ion:	178	Resp:	88500
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.3	21.5
179	15.4	12.2	18.4



#75
 Fluoranthene
 Concen: 25.732 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. -0.000 min
 Lab File: BF125836.D
 Acq: 13 Oct 2021 20:24

Tgt Ion:	202	Resp:	621858
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	30.7
203	17.5	0.0	36.3

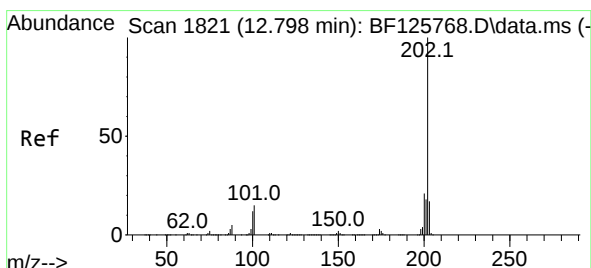
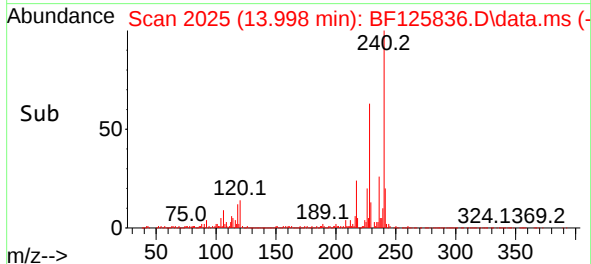
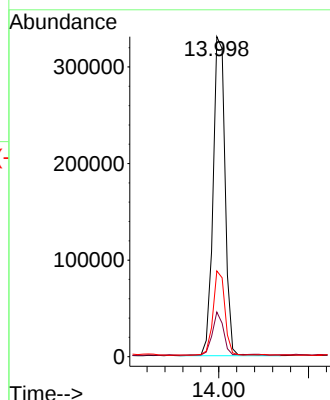
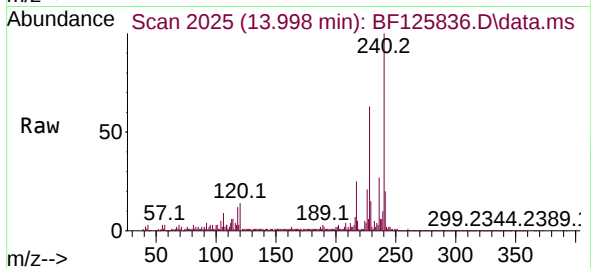




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

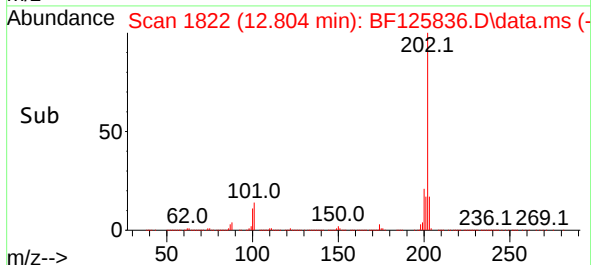
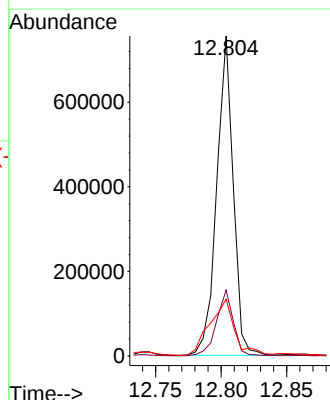
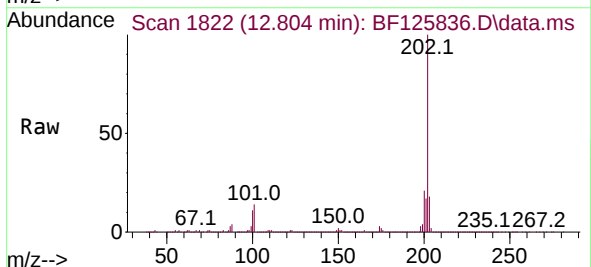
Instrument :
BNA_F
ClientSampleId :
FDR-20211007-WC

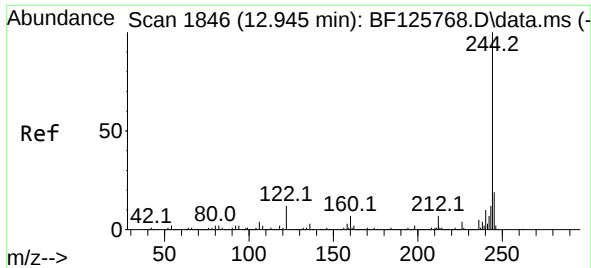
Tgt Ion:240 Resp: 306923
Ion Ratio Lower Upper
240 100
120 13.9 10.8 16.2
236 26.8 21.6 32.4



#78
Pyrene
Concen: 21.226 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

Tgt Ion:202 Resp: 661841
Ion Ratio Lower Upper
202 100
200 20.6 15.3 22.9
203 17.7 13.4 20.0

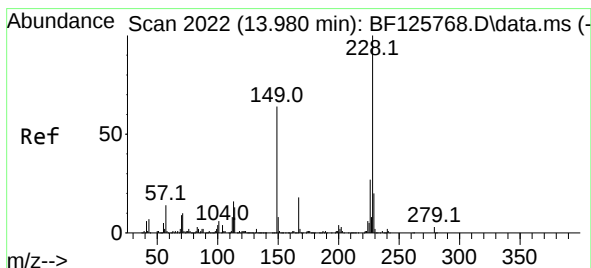
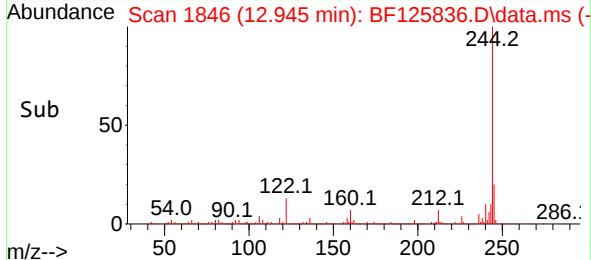
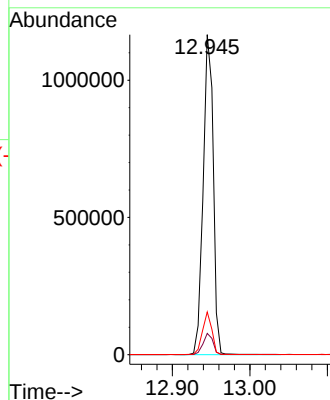
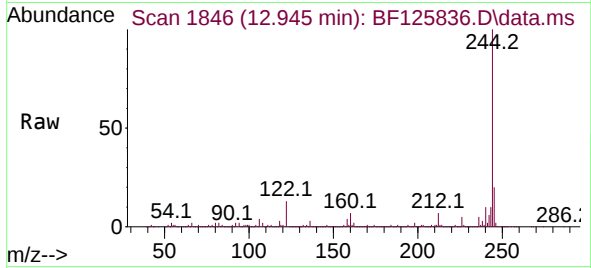




#79
Terphenyl-d14
Concen: 52.287 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.000 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

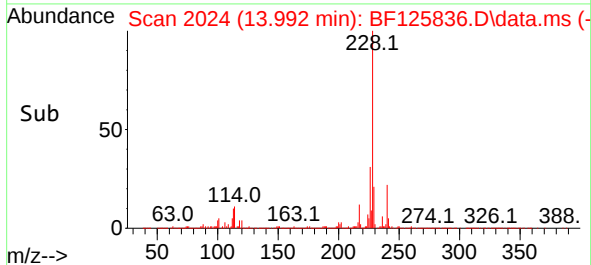
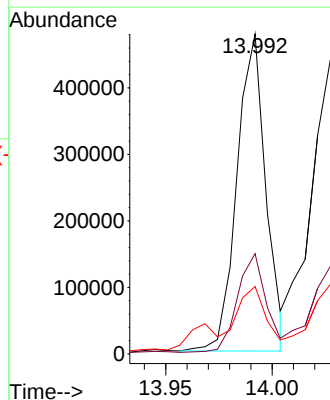
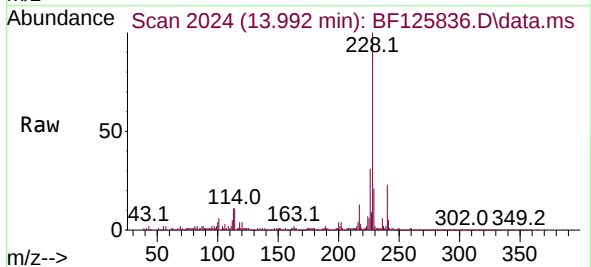
Instrument :
BNA_F
ClientSampleId :
FDR-20211007-WC

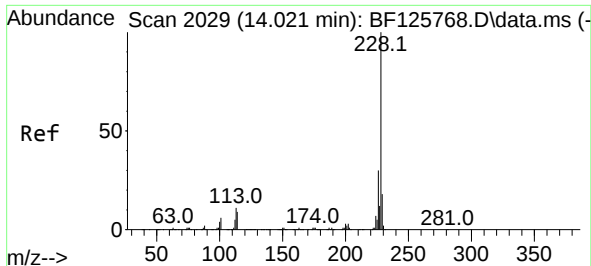
Tgt Ion:244 Resp: 1053539
Ion Ratio Lower Upper
244 100
212 6.7 5.9 8.9
122 13.4 9.0 13.4



#81
Benzo(a)anthracene
Concen: 22.609 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

Tgt Ion:228 Resp: 450209
Ion Ratio Lower Upper
228 100
226 31.4 21.6 32.4
229 21.1 15.6 23.4

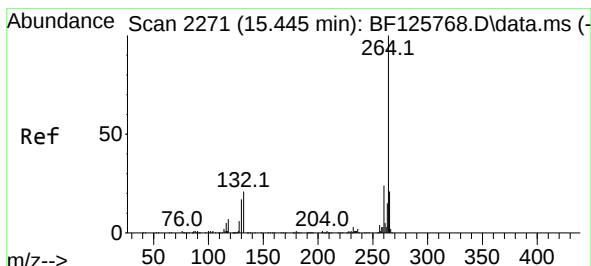
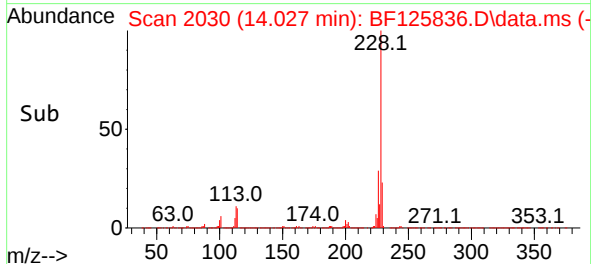
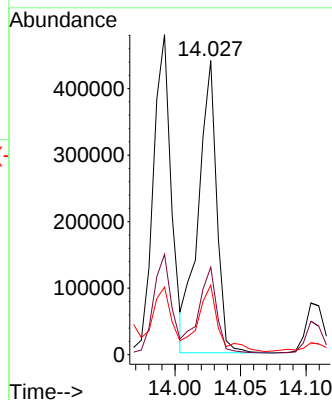
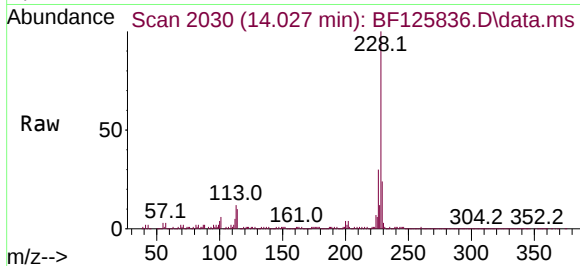




#83
Chrysene
Concen: 21.728 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

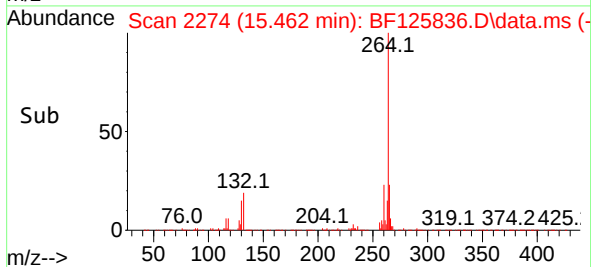
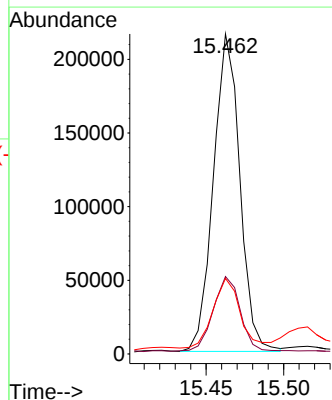
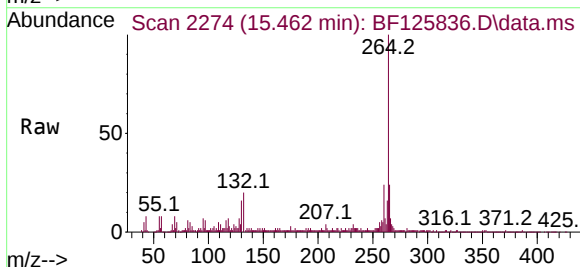
Instrument :
BNA_F
ClientSampleId :
FDR-20211007-WC

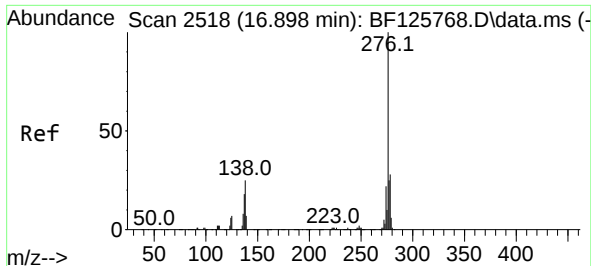
Tgt Ion:228	Resp:	427655
Ion Ratio	Lower	Upper
228	100	
226	29.8	22.6 34.0
229	23.6	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. 0.012 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

Tgt Ion:264	Resp:	255330
Ion Ratio	Lower	Upper
264	100	
260	24.2	19.6 29.4
265	23.6	17.2 25.8

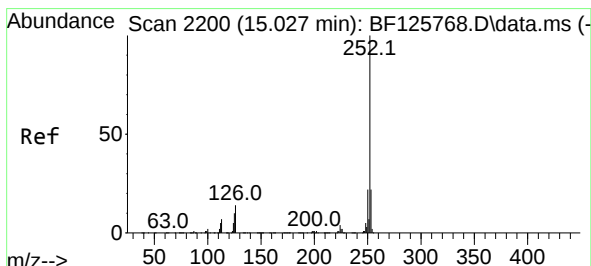
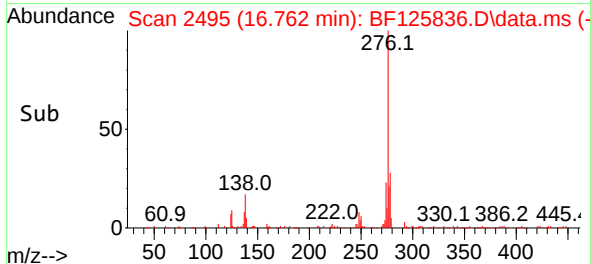
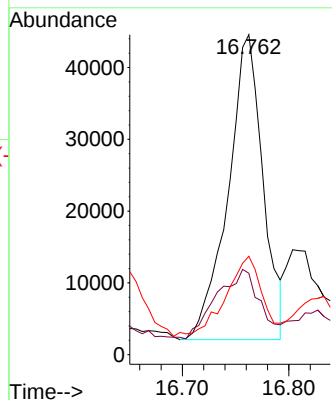
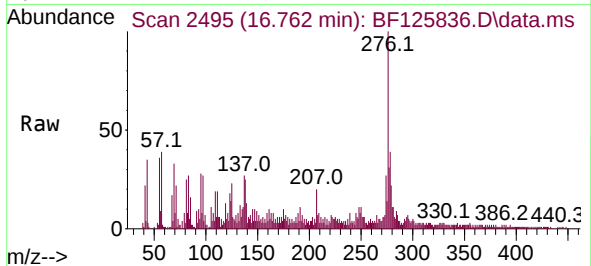




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.968 ng
RT: 16.762 min Scan# 2495
Delta R.T. -0.147 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

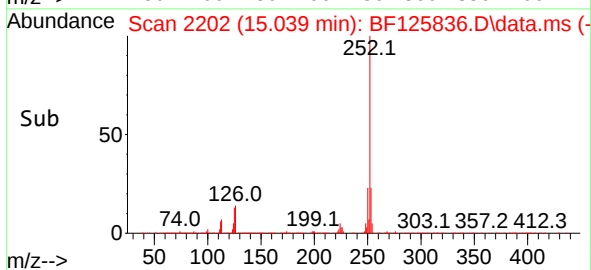
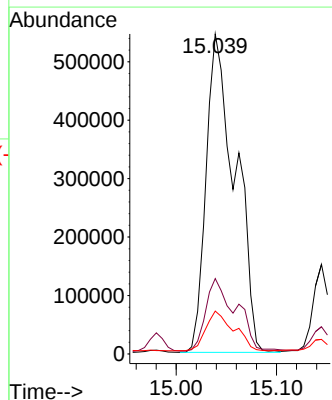
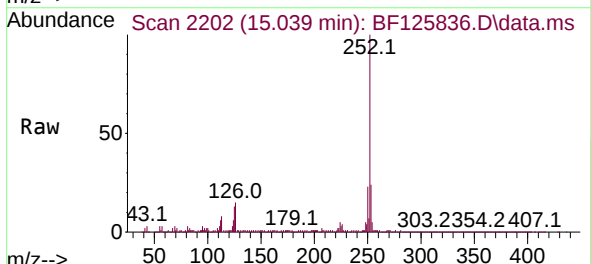
Instrument :
BNA_F
ClientSampleId :
FDR-20211007-WC

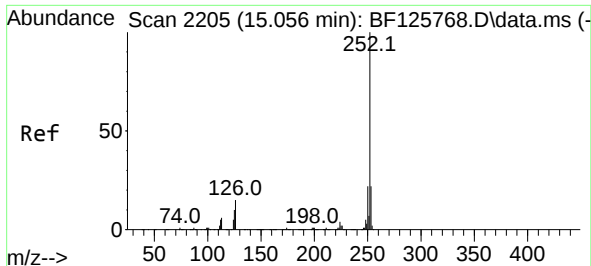
Tgt Ion:276 Resp: 96812
Ion Ratio Lower Upper
276 100
138 26.8 24.1 36.1
277 25.1 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 76.657 ng
RT: 15.039 min Scan# 2202
Delta R.T. 0.012 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

Tgt Ion:252 Resp: 1105019
Ion Ratio Lower Upper
252 100
253 23.5 16.8 25.2
125 13.4 9.8 14.8

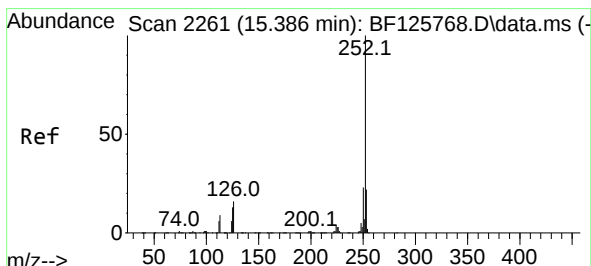
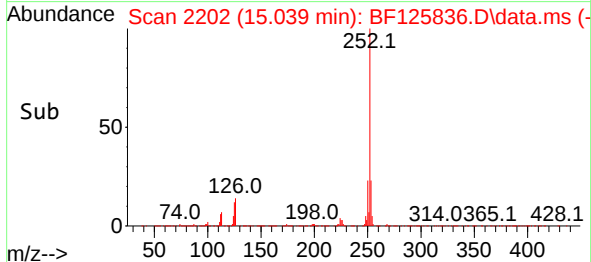
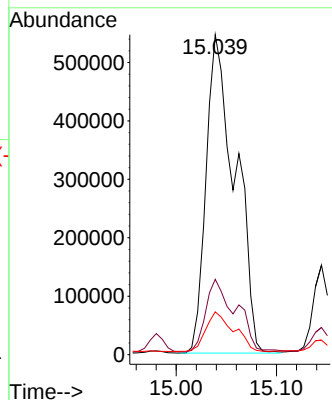
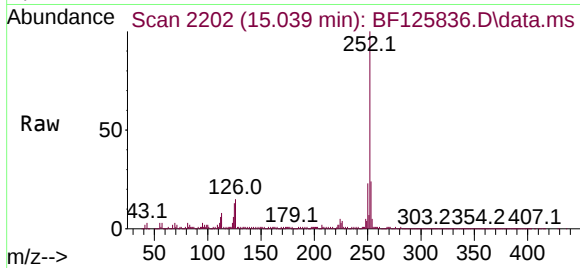




#89
Benzo(k)fluoranthene
Concen: 74.663 ng
RT: 15.039 min Scan# 2202
Delta R.T. -0.024 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

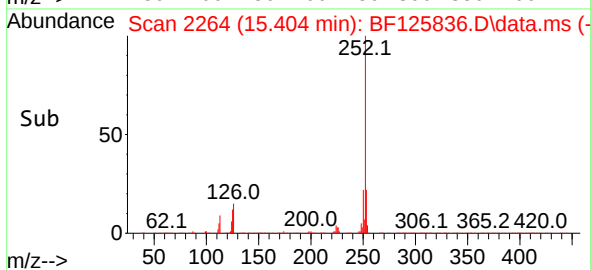
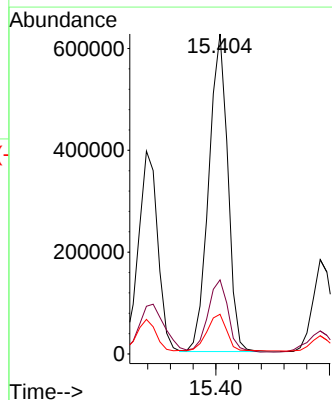
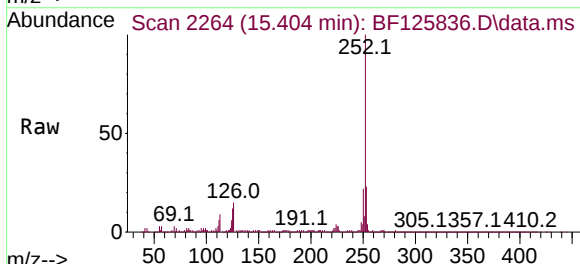
Instrument :
BNA_F
ClientSampleId :
FDR-20211007-WC

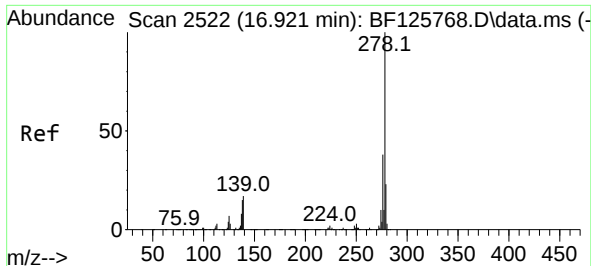
Tgt Ion:252 Resp: 1105019
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 13.4 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 56.936 ng
RT: 15.404 min Scan# 2264
Delta R.T. 0.012 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

Tgt Ion:252 Resp: 726816
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 12.4 9.9 14.9

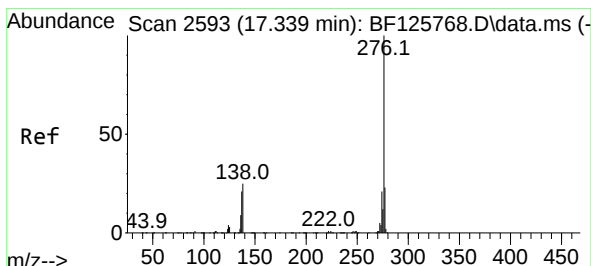
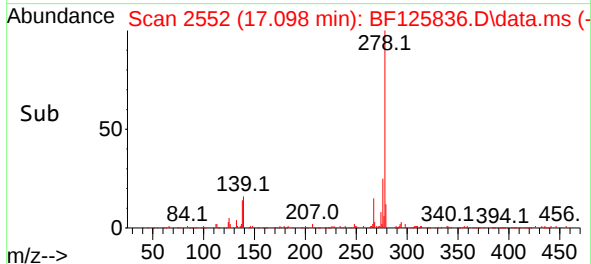
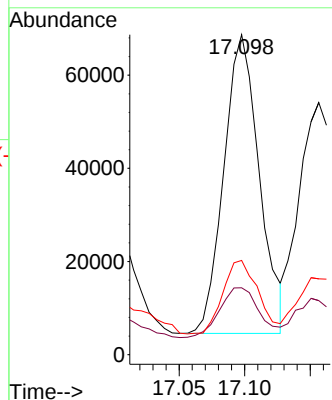
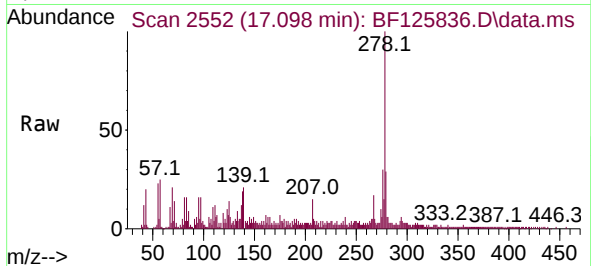




#91
Dibenzo(a,h)anthracene
Concen: 7.506 ng
RT: 17.098 min Scan# 2552
Delta R.T. 0.171 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

Instrument :
BNA_F
ClientSampleId :
FDR-20211007-WC

Tgt Ion:278 Resp: 120654
Ion Ratio Lower Upper
278 100
139 20.9 14.9 22.3
279 29.5 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 33.595 ng
RT: 17.368 min Scan# 2598
Delta R.T. 0.018 min
Lab File: BF125836.D
Acq: 13 Oct 2021 20:24

Tgt Ion:276 Resp: 551505
Ion Ratio Lower Upper
276 100
277 24.2 22.0 33.0
138 23.7 22.2 33.4

