

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101321\
 Data File : BF125828.D
 Acq On : 13 Oct 2021 15:49
 Operator : JU/CG
 Sample : M4047-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 149-ENV-1-GRAB

Quant Time: Oct 14 01:19:47 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)

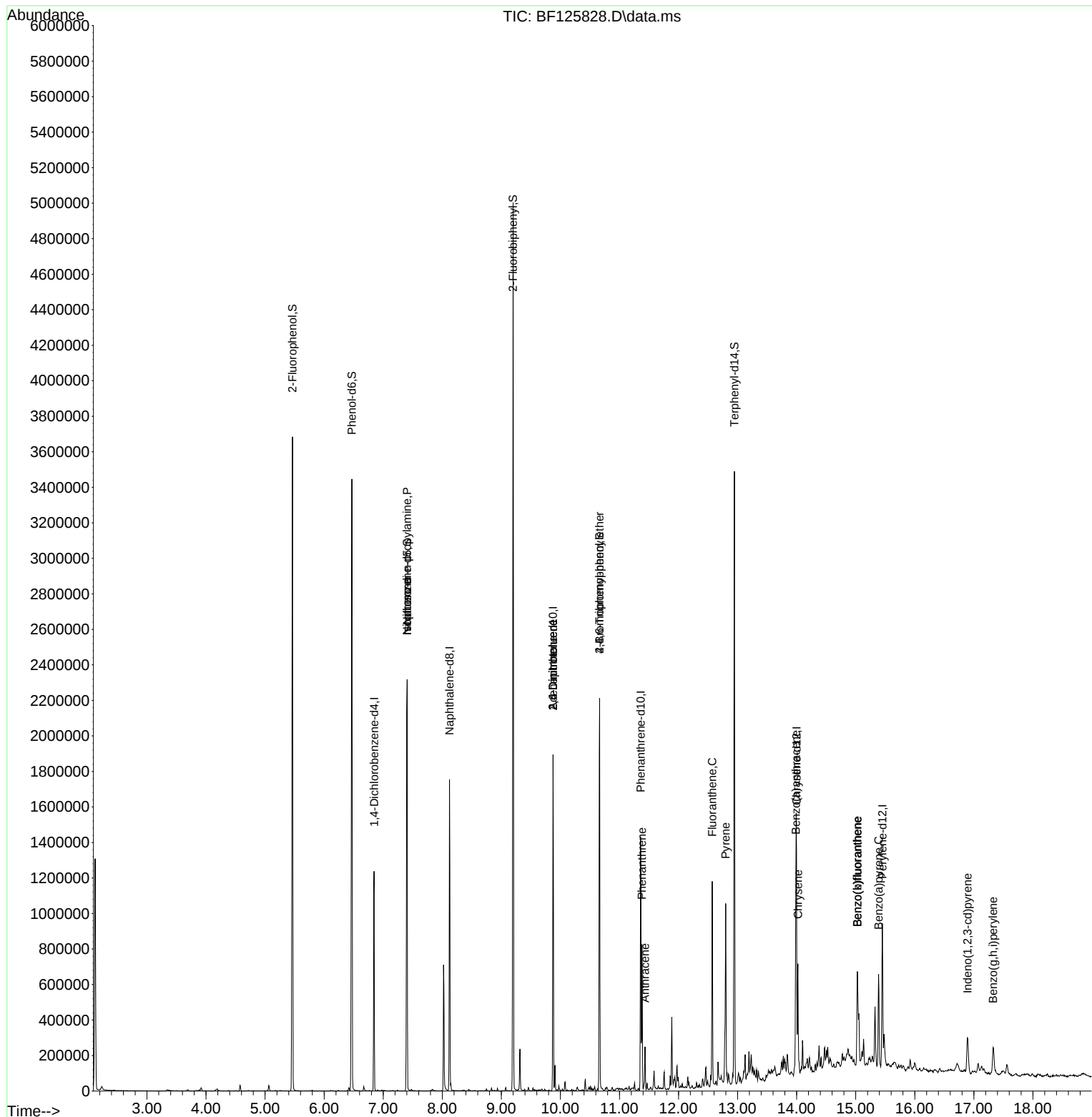
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	191067	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	752635	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	365768	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	507126	20.000	ng	# 0.00
76) Chrysene-d12	13.998	240	409903	20.000	ng	0.00
86) Perylene-d12	15.451	264	337775	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1090517	93.239	ng	0.00
7) Phenol-d6	6.469	99	1315519	87.372	ng	0.00
23) Nitrobenzene-d5	7.404	82	768454	63.467	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	273118	75.630	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1456234	68.670	ng	0.00
79) Terphenyl-d14	12.945	244	1098831	40.834	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	96612	12.155	ng	# 48
25) Isophorone	7.404	82	768438	35.823	ng	# 59
51) 2,6-Dinitrotoluene	9.875	165	47769	9.815	ng	# 28
57) 2,4-Dinitrotoluene	9.875	165	47769	7.763	ng	# 19
67) 4-Bromophenyl-phenylether	10.663	248	16139	2.874	ng	# 1
71) Phenanthrene	11.380	178	284523	10.486	ng	99
72) Anthracene	11.433	178	80770	2.980	ng	99
75) Fluoranthene	12.569	202	402805	16.452	ng	96
78) Pyrene	12.798	202	392143	9.417	ng	98
81) Benzo(a)anthracene	13.986	228	250412	9.416	ng	99
83) Chrysene	14.021	228	224916	8.557	ng	97
87) Indeno(1,2,3-cd)pyrene	16.892	276	136552	5.297	ng	# 93
88) Benzo(b)fluoranthene	15.027	252	406379	21.310	ng	97
89) Benzo(k)fluoranthene	15.027	252	406379	20.756	ng	# 97
90) Benzo(a)pyrene	15.386	252	244623	14.485	ng	99
92) Benzo(g,h,i)perylene	17.327	276	113274	5.216	ng	97

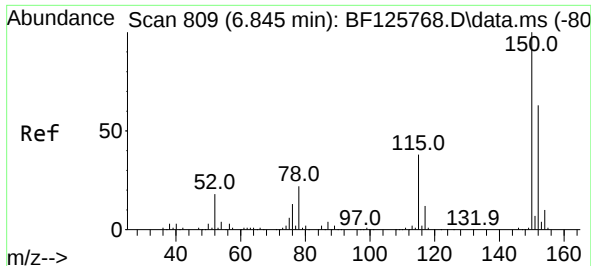
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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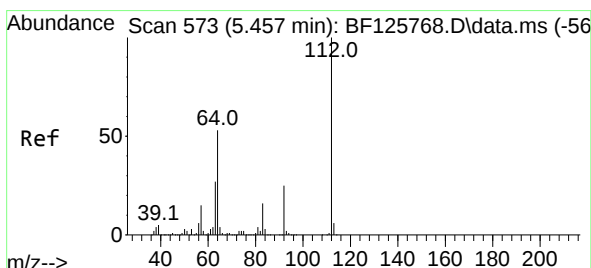
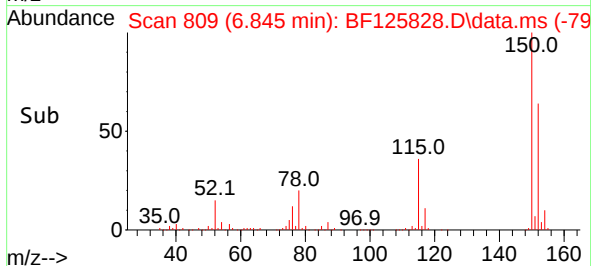
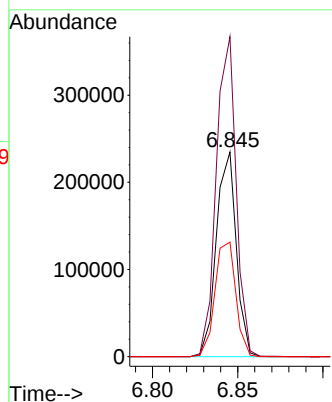
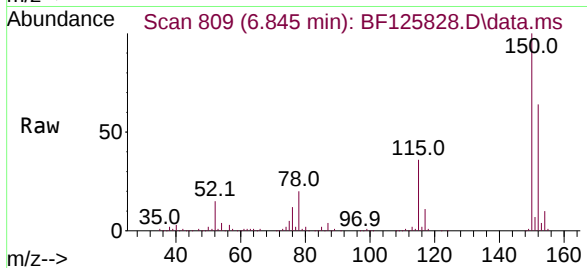




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

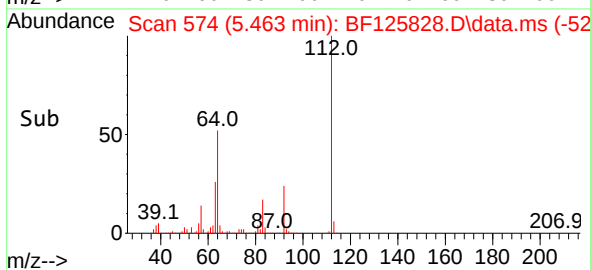
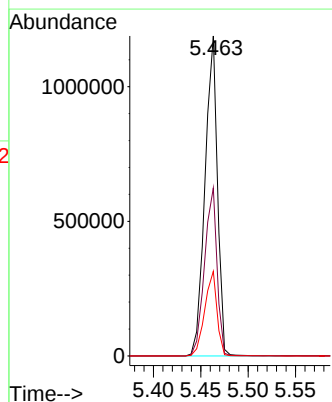
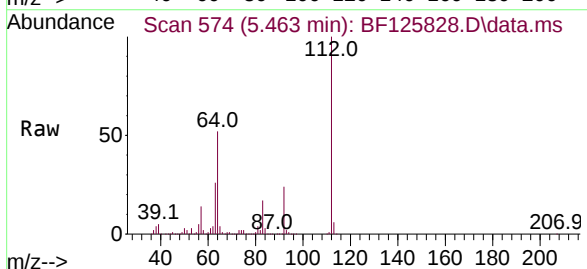
Instrument :
BNA_F
ClientSampleId :
149-ENV-1-GRAB

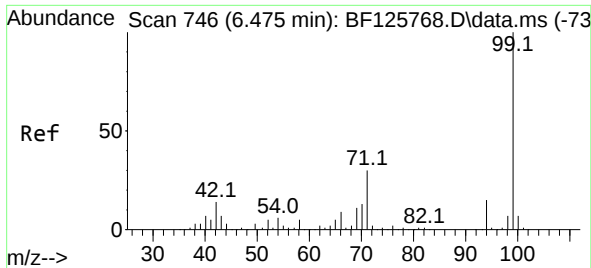
Tgt Ion:152 Resp: 191067
Ion Ratio Lower Upper
152 100
150 156.3 117.6 176.4
115 56.0 47.1 70.7



#5
2-Fluorophenol
Concen: 93.239 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Tgt Ion:112 Resp: 1090517
Ion Ratio Lower Upper
112 100
64 52.5 44.2 66.2
63 26.4 26.2 39.2

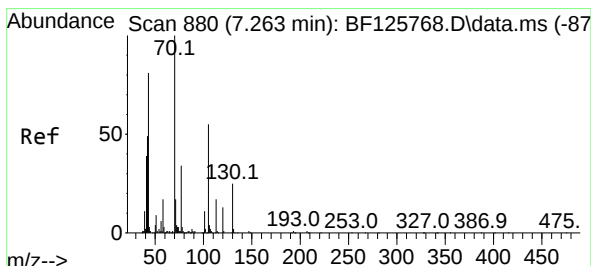
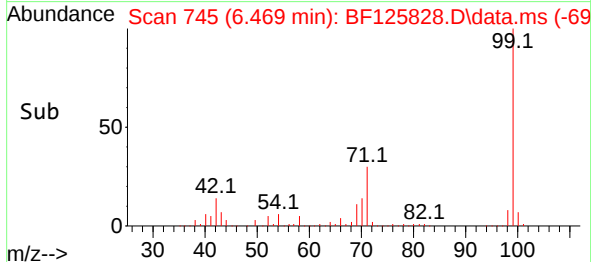
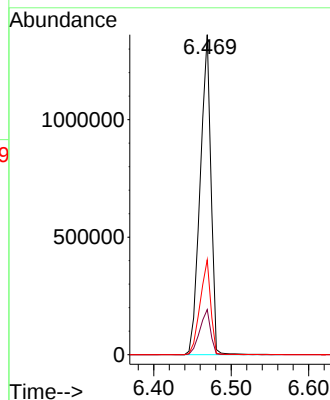
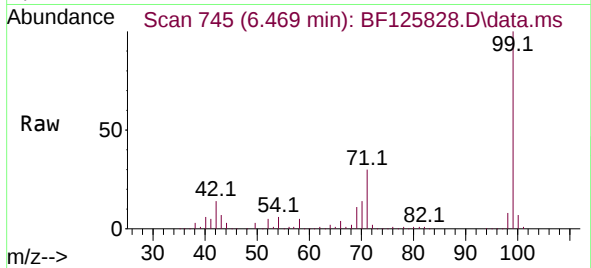




#7
Phenol-d6
Concen: 87.372 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

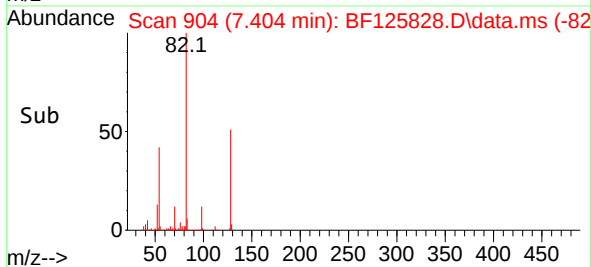
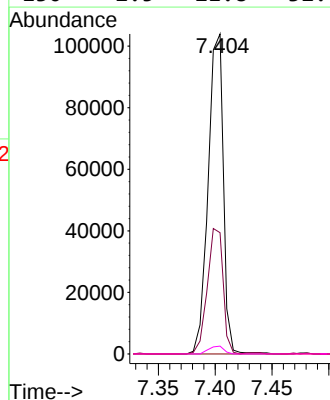
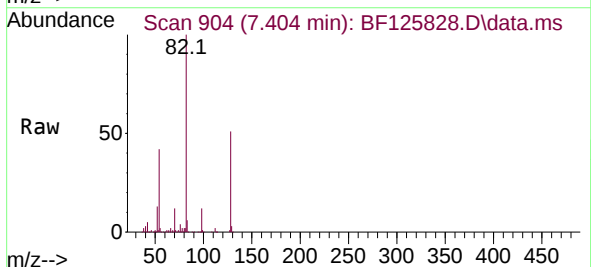
Instrument :
BNA_F
ClientSampleId :
149-ENV-1-GRAB

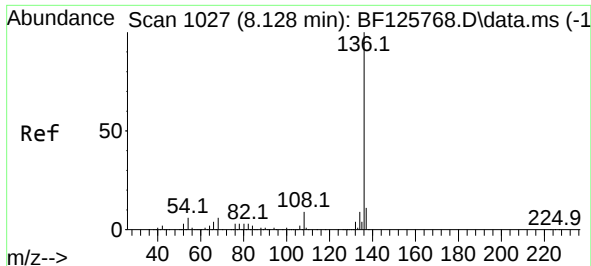
Tgt Ion: 99 Resp: 1315519
Ion Ratio Lower Upper
99 100
42 14.1 23.5 35.3#
71 29.6 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.155 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.141 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Tgt Ion: 70 Resp: 96612
Ion Ratio Lower Upper
70 100
42 37.9 72.2 108.2#
101 0.0 7.8 11.8#
130 2.5 21.8 32.6#

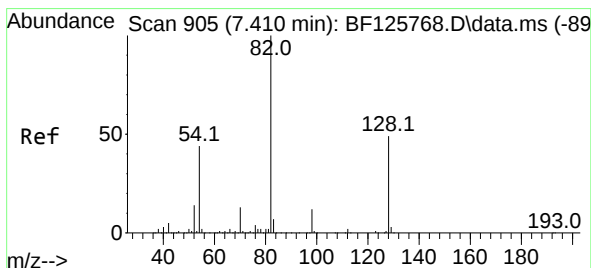
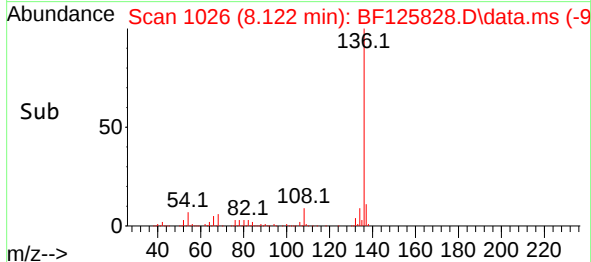
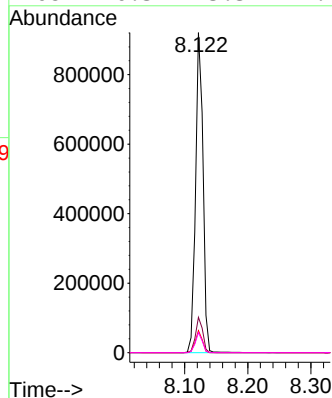
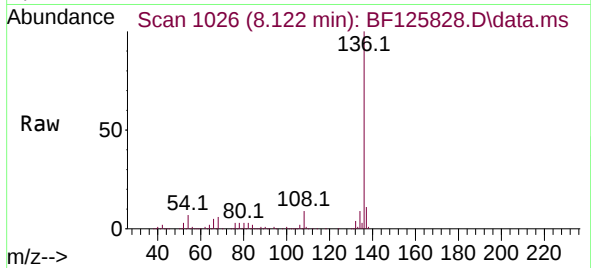




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

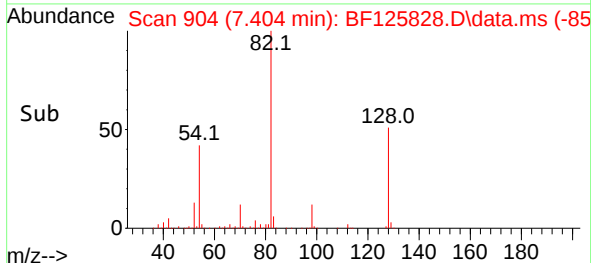
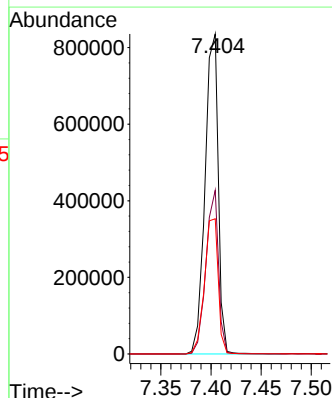
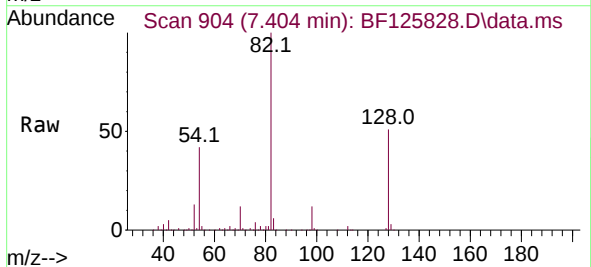
Instrument :
BNA_F
ClientSampleId :
149-ENV-1-GRAB

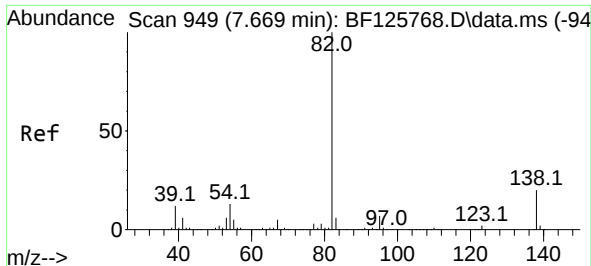
Tgt Ion:136	Resp: 752635
Ion Ratio	Lower Upper
136 100	
137 11.1	9.8 14.6
54 6.9	6.4 9.6
68 6.3	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 63.467 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Tgt Ion: 82	Resp: 768454
Ion Ratio	Lower Upper
82 100	
128 51.1	40.6 60.8
54 42.2	49.6 74.4#

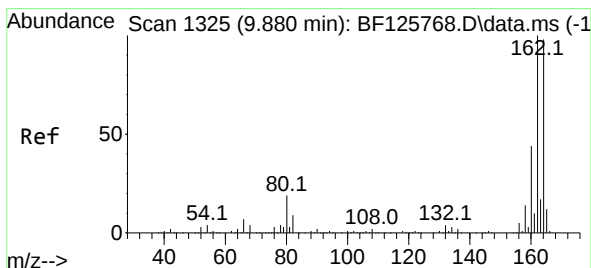
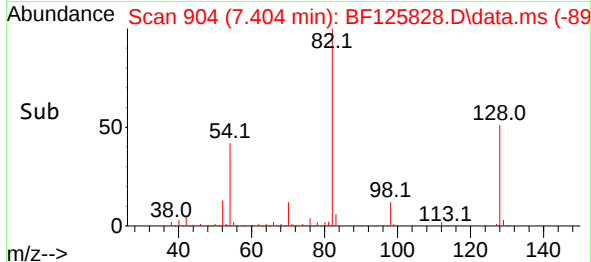
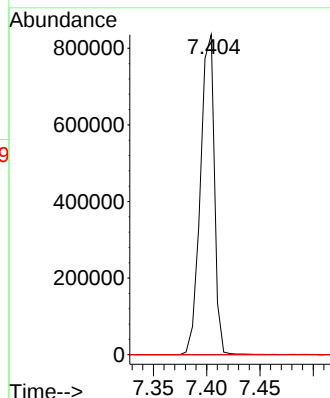
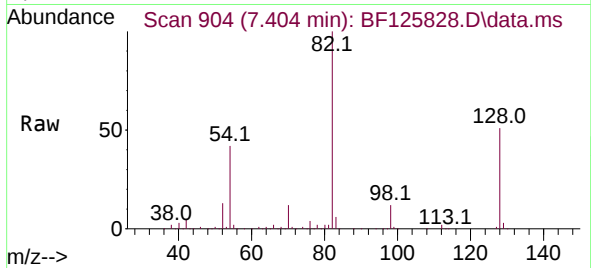




#25
Isophorone
Concen: 35.823 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.265 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

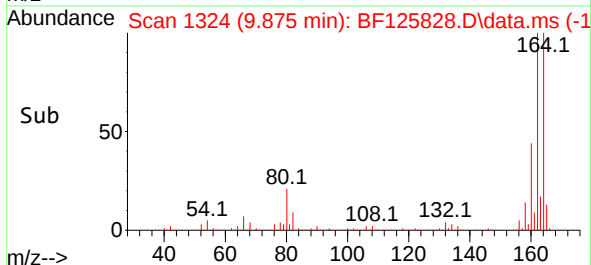
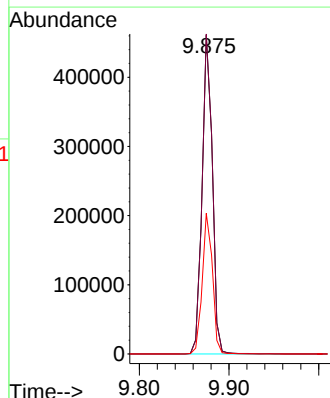
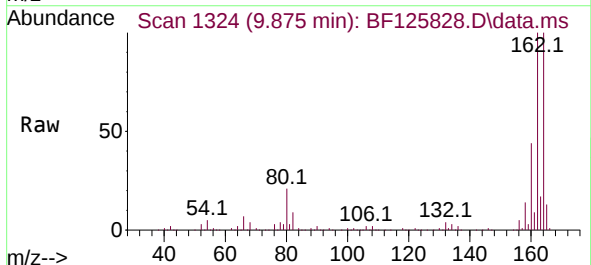
Instrument :
BNA_F
ClientSampleId :
149-ENV-1-GRAB

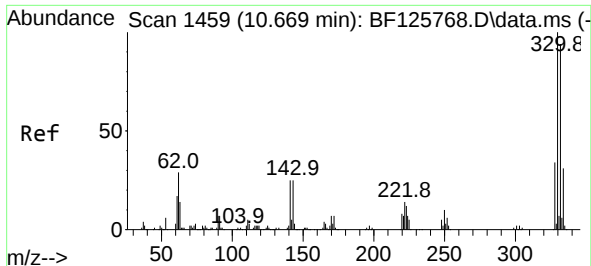
Tgt Ion: 82 Resp: 768438
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Tgt Ion: 164 Resp: 365768
Ion Ratio Lower Upper
164 100
162 100.4 81.3 121.9
160 44.1 38.0 57.0

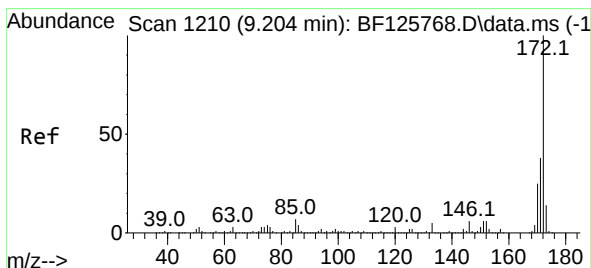
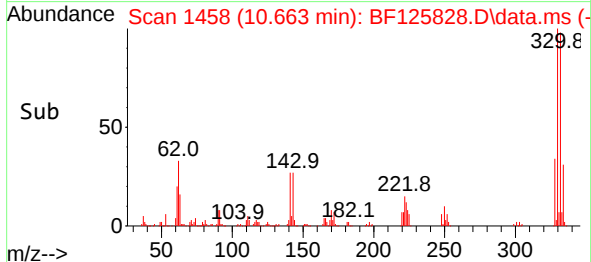
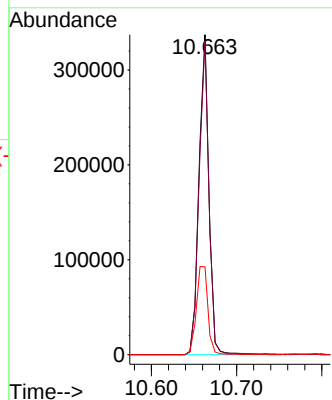
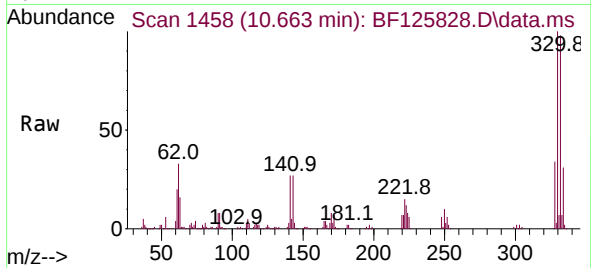




#42
2,4,6-Tribromophenol
Concen: 75.630 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

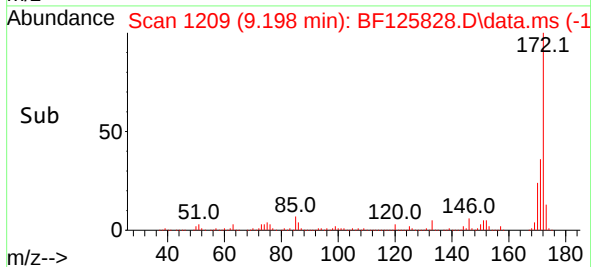
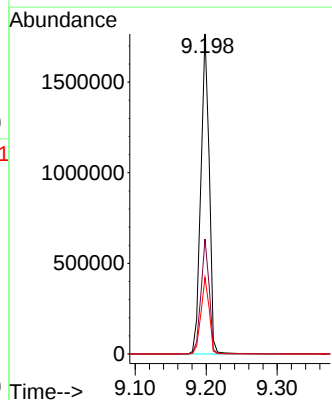
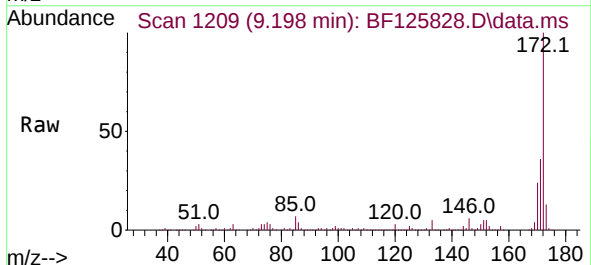
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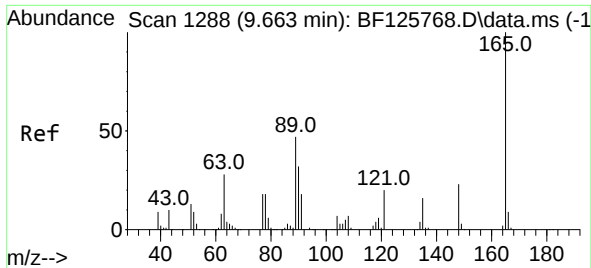
Tgt Ion: 330 Resp: 273118
Ion Ratio Lower Upper
330 100
332 97.2 76.2 114.4
141 32.2 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 68.670 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Tgt Ion: 172 Resp: 1456234
Ion Ratio Lower Upper
172 100
171 35.9 26.5 39.7
170 23.9 18.8 28.2

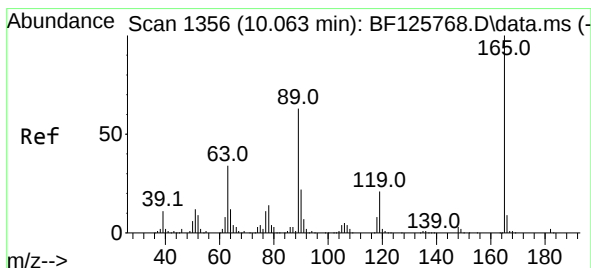
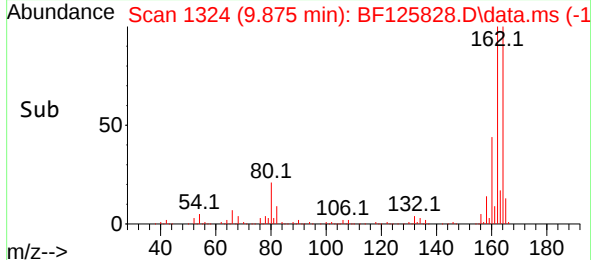
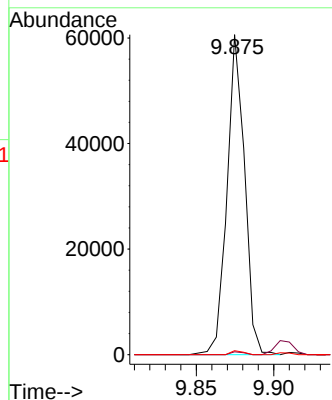
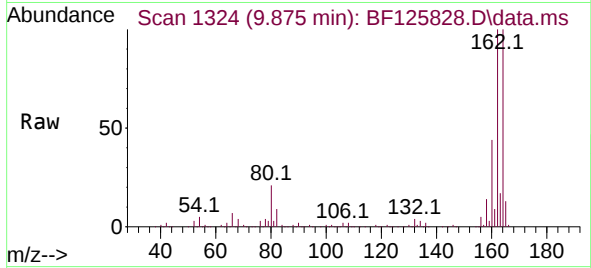




#51
2,6-Dinitrotoluene
Concen: 9.815 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

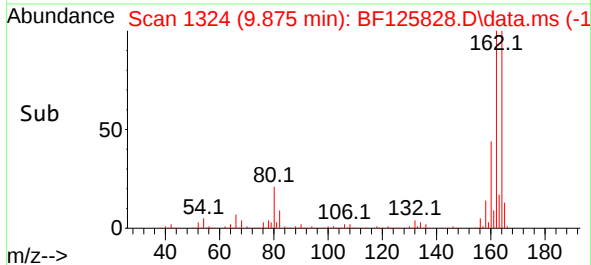
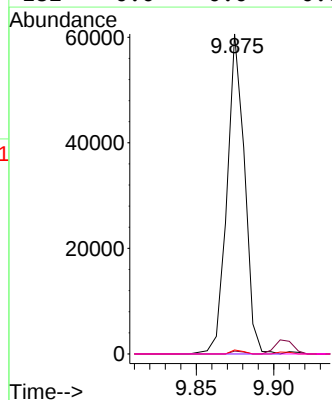
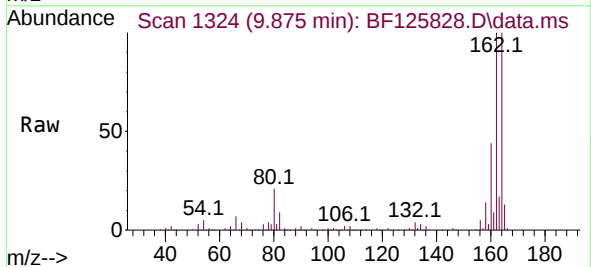
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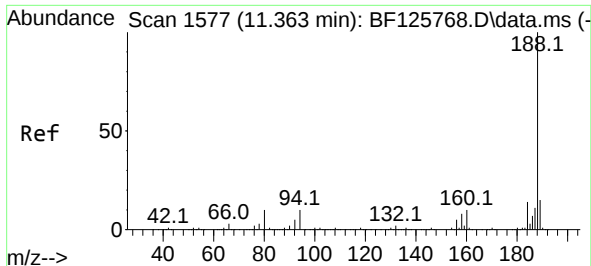
Tgt Ion:165 Resp: 47769
Ion Ratio Lower Upper
165 100
63 0.9 42.6 63.8#
89 1.2 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.763 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Tgt Ion:165 Resp: 47769
Ion Ratio Lower Upper
165 100
63 0.9 40.9 61.3#
89 1.2 59.7 89.5#
182 0.0 0.0 0.0

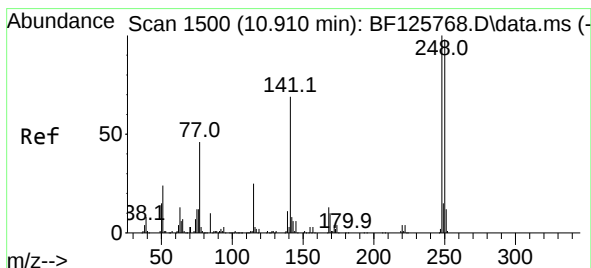
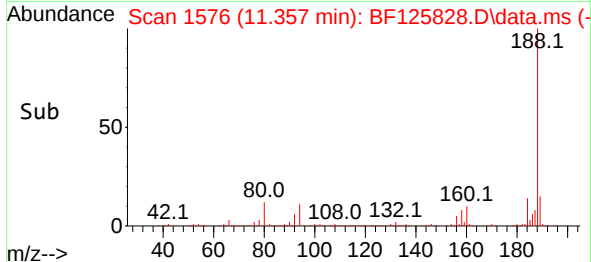
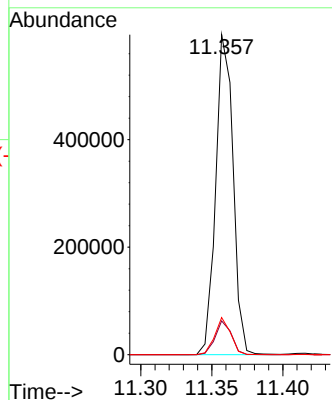
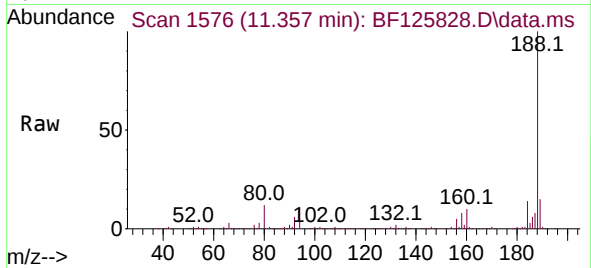




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

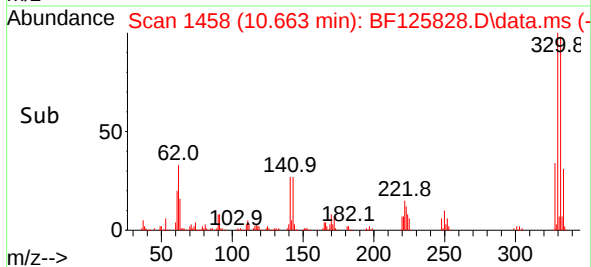
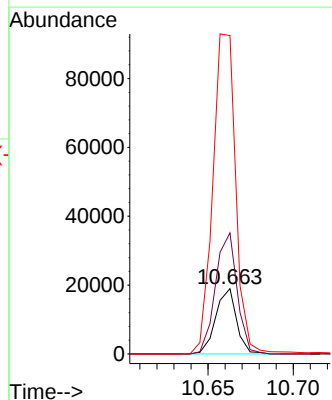
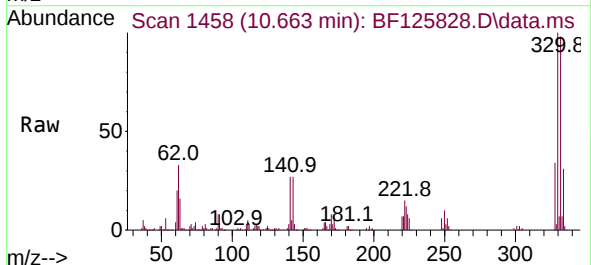
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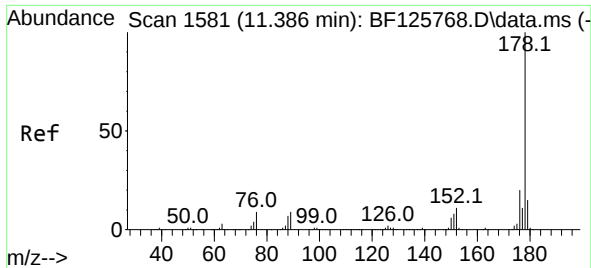
Tgt Ion:188 Resp: 507126
Ion Ratio Lower Upper
188 100
94 10.5 6.7 10.1#
80 11.6 7.5 11.3#



#67
4-Bromophenyl-phenylether
Concen: 2.874 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Tgt Ion:248 Resp: 16139
Ion Ratio Lower Upper
248 100
250 185.4 74.2 111.4#
141 487.8 60.4 90.6#

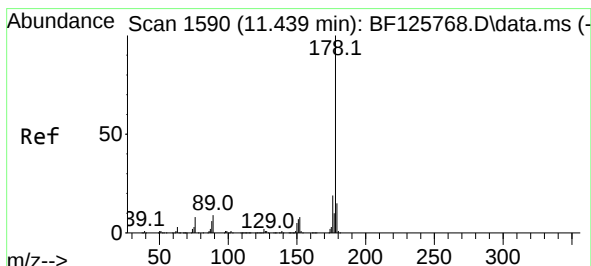
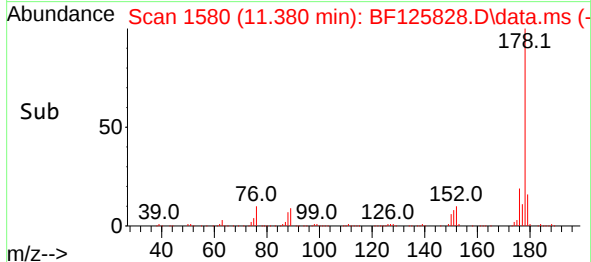
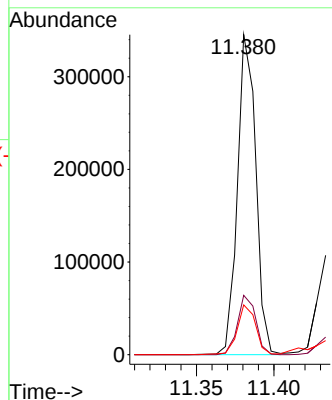
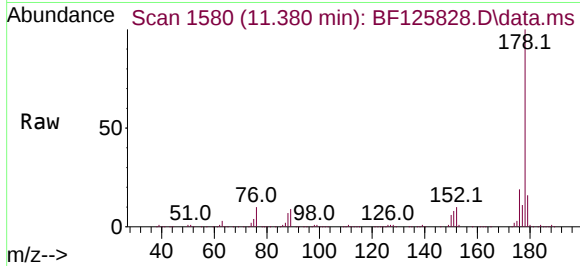




#71
Phenanthrene
Concen: 10.486 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

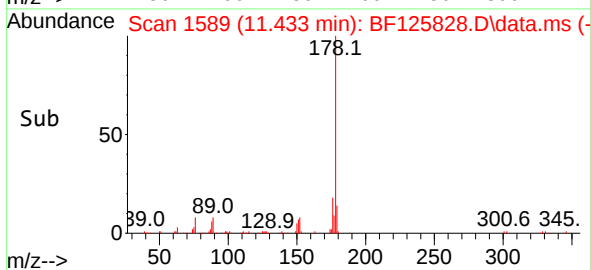
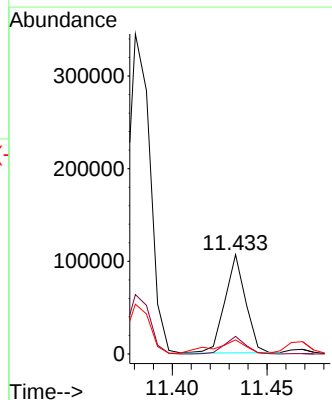
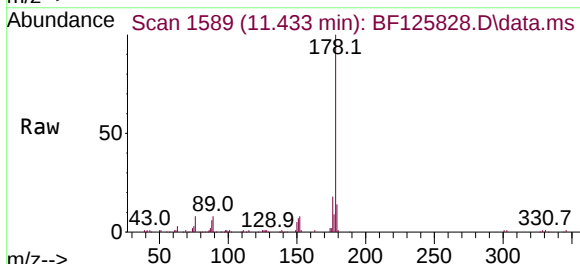
Instrument :
BNA_F
ClientSampleId :
149-ENV-1-GRAB

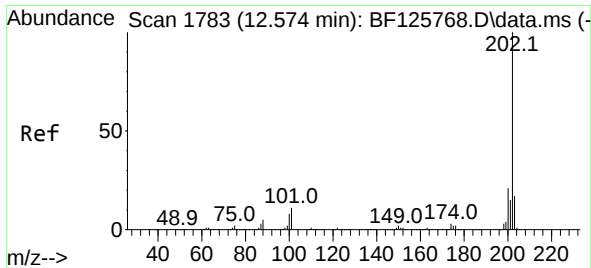
Tgt Ion:178 Resp: 284523
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.6 11.5 17.3



#72
Anthracene
Concen: 2.980 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Tgt Ion:178 Resp: 80770
Ion Ratio Lower Upper
178 100
176 17.7 14.3 21.5
179 14.2 12.2 18.4

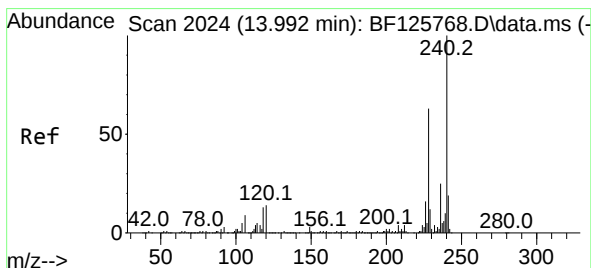
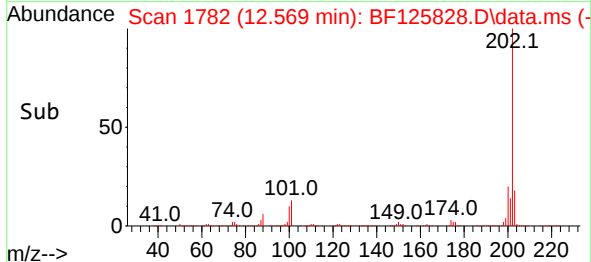
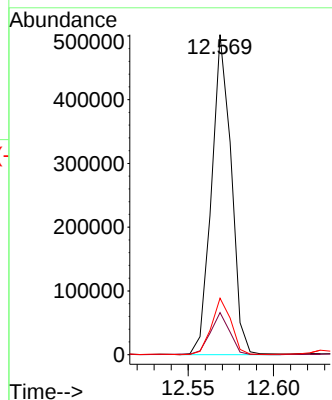
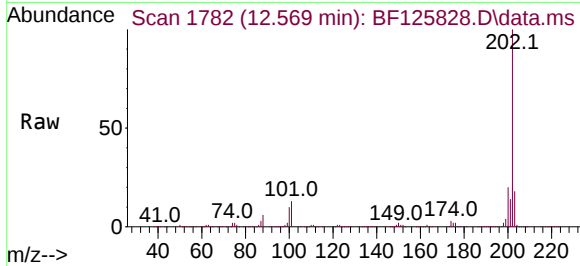




#75
Fluoranthene
Concen: 16.452 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

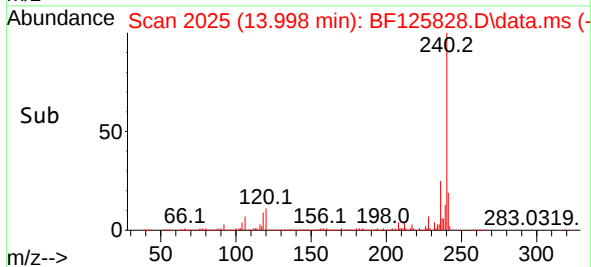
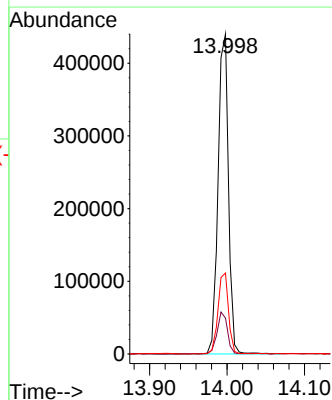
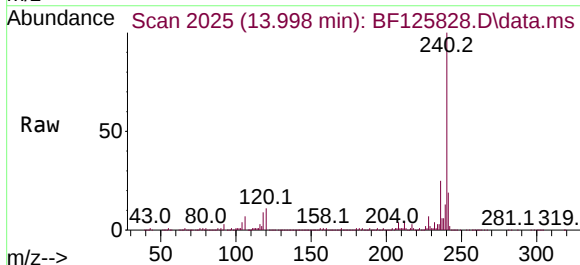
Instrument :
BNA_F
ClientSampleId :
149-ENV-1-GRAB

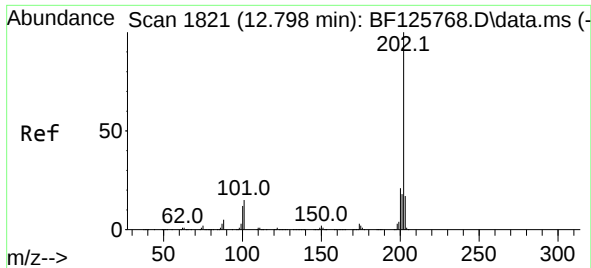
Tgt Ion:	202	Resp:	402805
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	30.7
203	17.7	0.0	36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Tgt Ion:	240	Resp:	409903
Ion Ratio	Lower	Upper	
240	100		
120	11.2	10.8	16.2
236	25.3	21.6	32.4

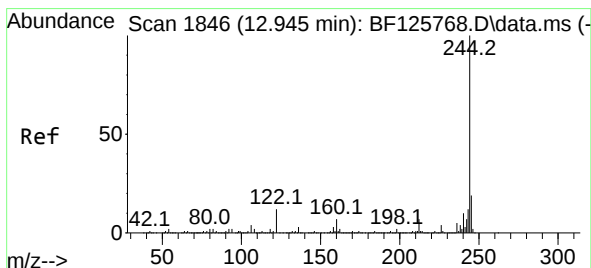
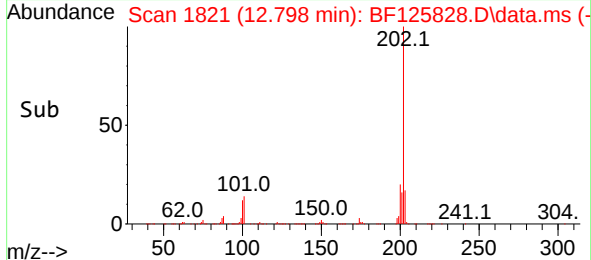
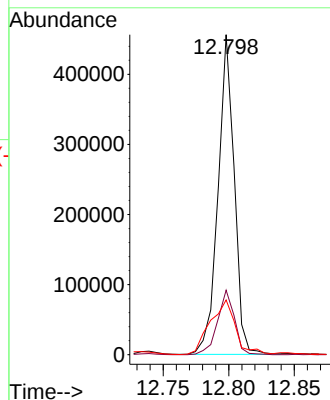
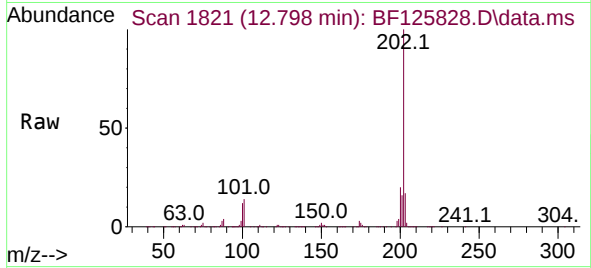




#78
Pyrene
Concen: 9.417 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

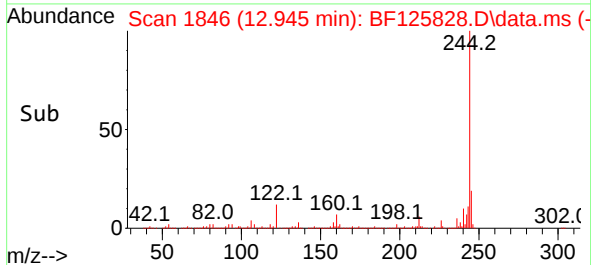
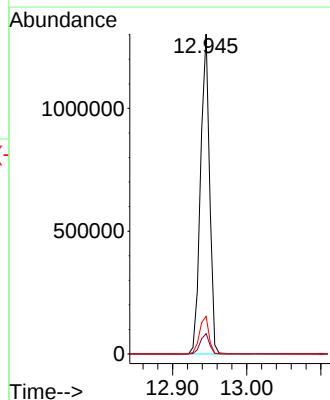
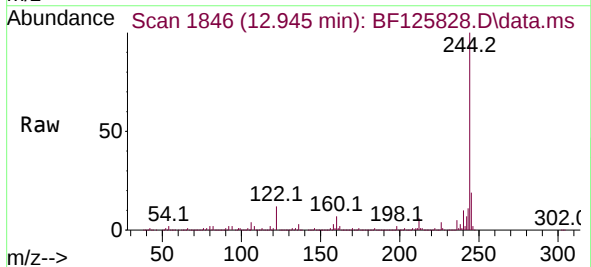
Instrument :
BNA_F
ClientSampleId :
149-ENV-1-GRAB

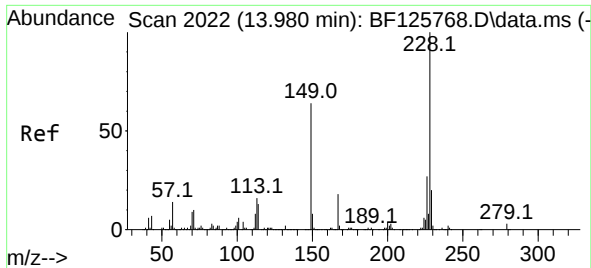
Tgt Ion:202 Resp: 392143
Ion Ratio Lower Upper
202 100
200 20.2 15.3 22.9
203 17.1 13.4 20.0



#79
Terphenyl-d14
Concen: 40.834 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.000 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Tgt Ion:244 Resp: 1098831
Ion Ratio Lower Upper
244 100
212 6.4 5.9 8.9
122 11.7 9.0 13.4

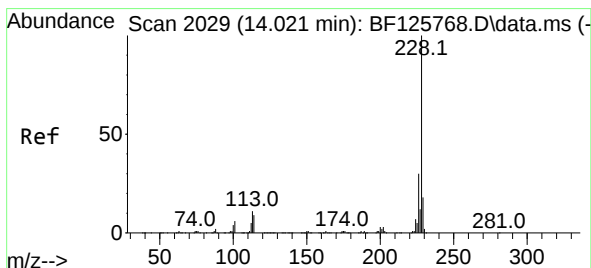
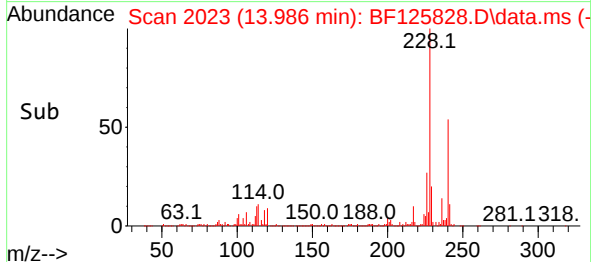
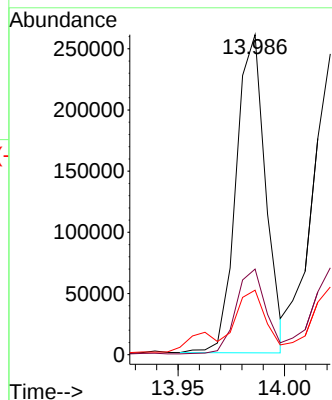
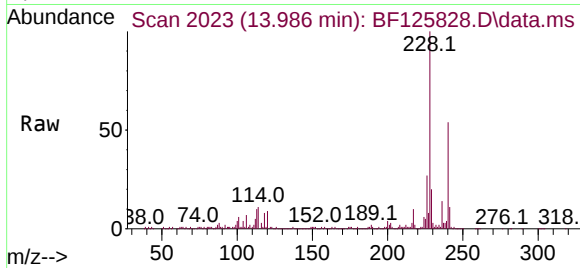




#81
Benzo(a)anthracene
Concen: 9.416 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

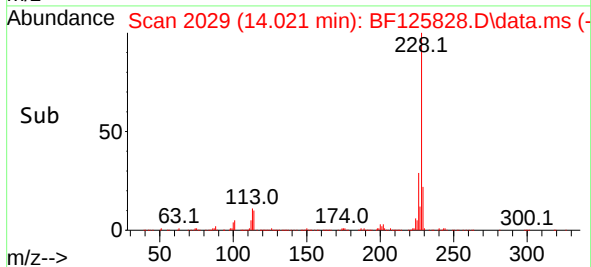
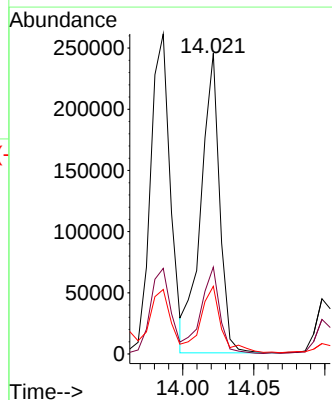
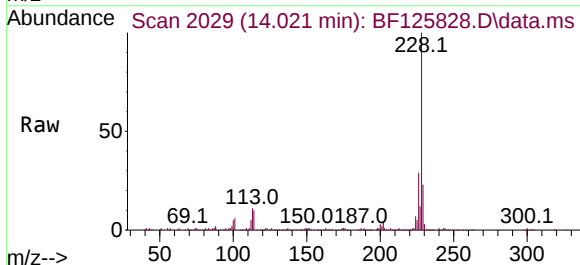
Instrument :
BNA_F
ClientSampleId :
149-ENV-1-GRAB

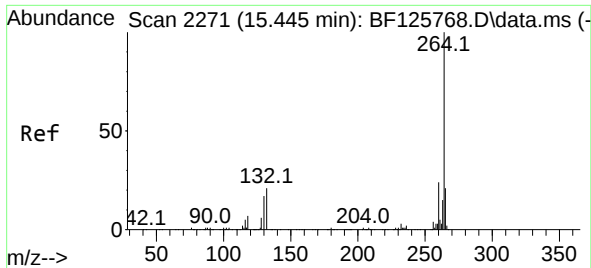
Tgt Ion:228 Resp: 250412
Ion Ratio Lower Upper
228 100
226 26.7 21.6 32.4
229 20.1 15.6 23.4



#83
Chrysene
Concen: 8.557 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Tgt Ion:228 Resp: 224916
Ion Ratio Lower Upper
228 100
226 28.9 22.6 34.0
229 22.5 15.9 23.9

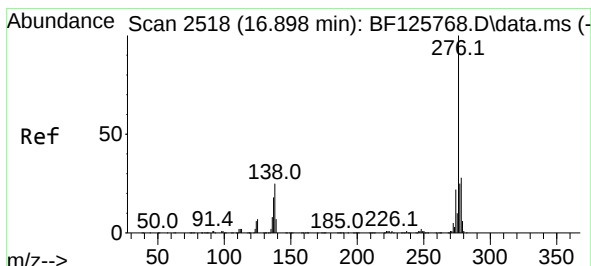
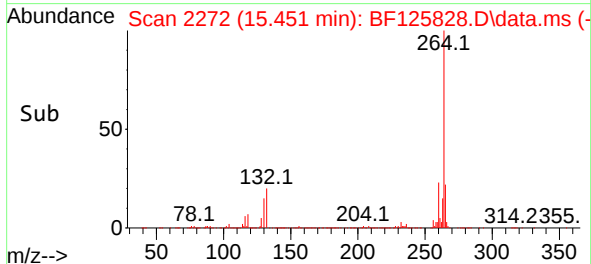
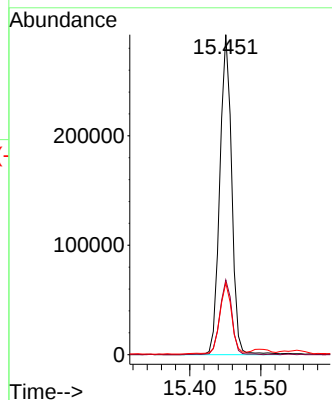
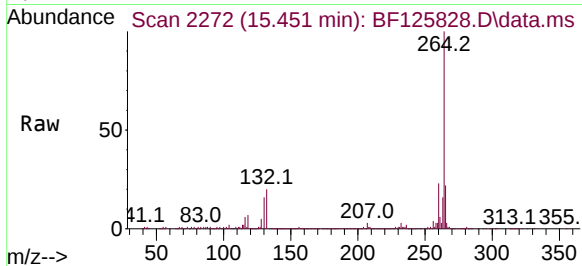




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

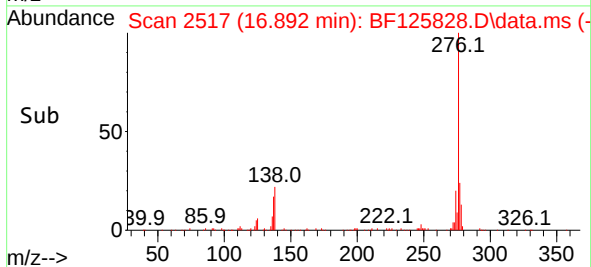
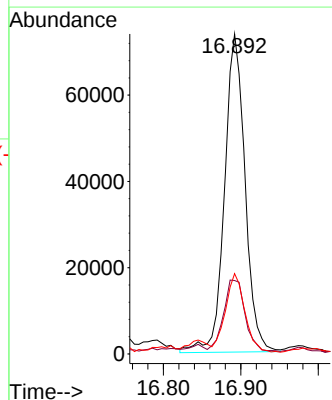
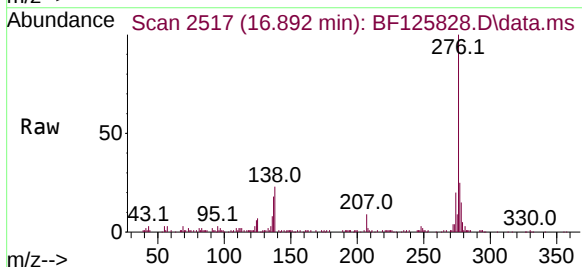
Instrument :
BNA_F
ClientSampleId :
149-ENV-1-GRAB

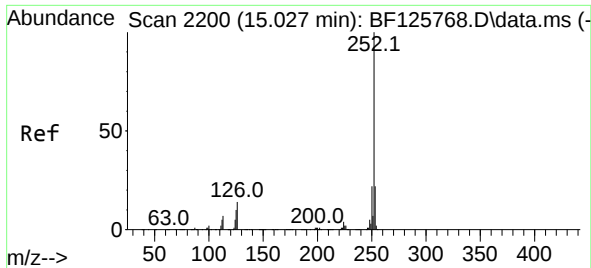
Tgt Ion:	264	Resp:	337775
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.6	29.4
265	22.4	17.2	25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.297 ng
RT: 16.892 min Scan# 2517
Delta R.T. -0.018 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Tgt Ion:	276	Resp:	136552
Ion Ratio	Lower	Upper	
276	100		
138	23.3	24.1	36.1#
277	23.1	18.8	28.2

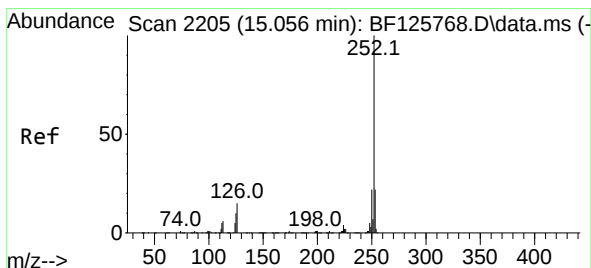
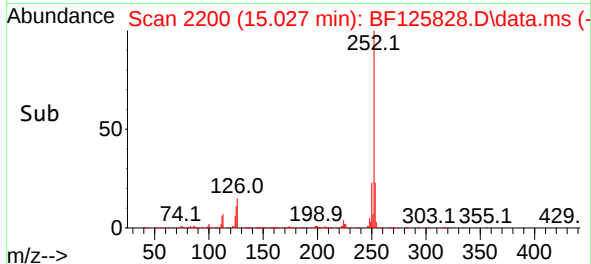
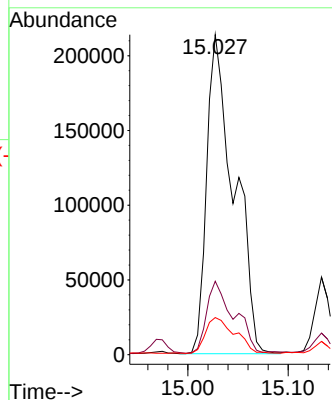
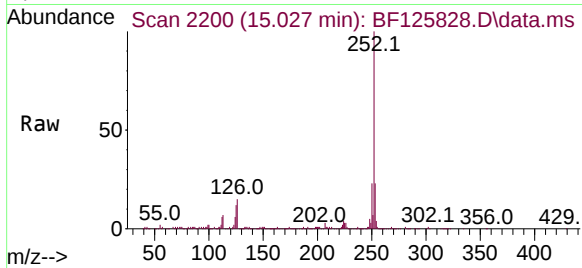




#88
Benzo(b)fluoranthene
Concen: 21.310 ng
RT: 15.027 min Scan# 2200
Delta R.T. 0.000 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

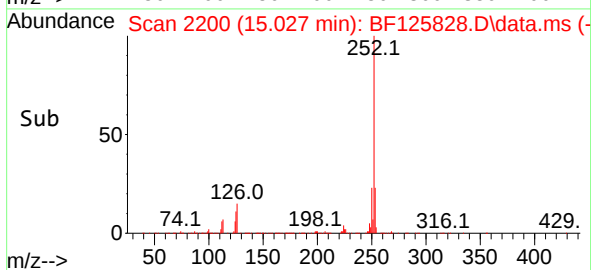
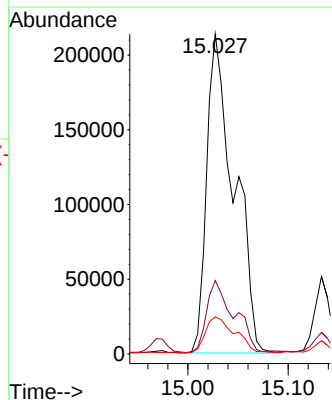
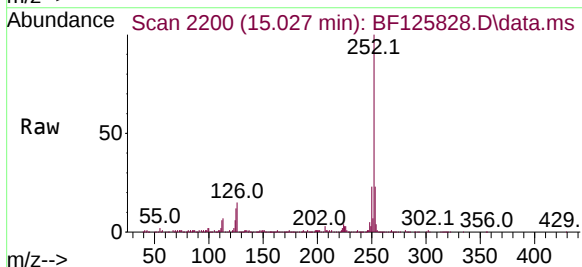
Instrument :
BNA_F
ClientSampleId :
149-ENV-1-GRAB

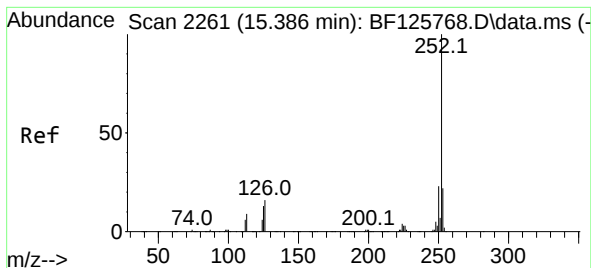
Tgt Ion:252 Resp: 406379
Ion Ratio Lower Upper
252 100
253 23.0 16.8 25.2
125 11.6 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 20.756 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.035 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Tgt Ion:252 Resp: 406379
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 11.6 7.2 10.8#

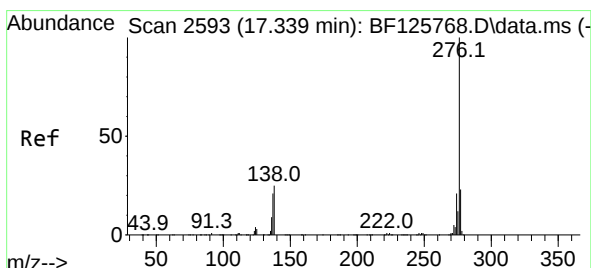
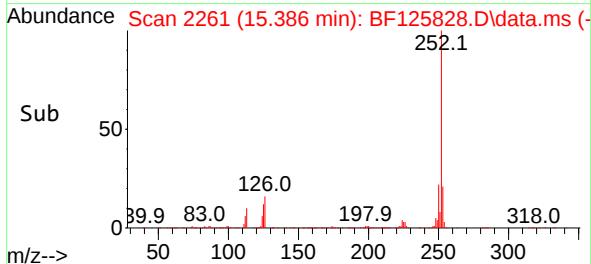
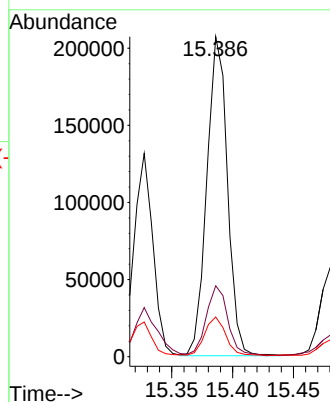
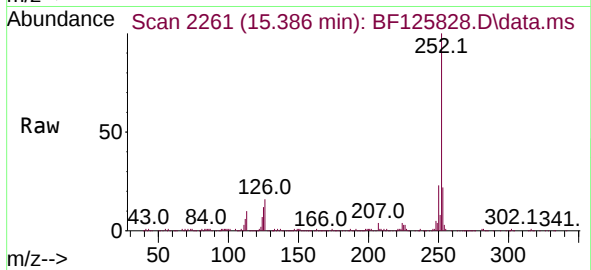




#90
Benzo(a)pyrene
Concen: 14.485 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Instrument :
BNA_F
ClientSampleId :
149-ENV-1-GRAB

Tgt Ion:252 Resp: 244623
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 12.4 9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 5.216 ng
RT: 17.327 min Scan# 2591
Delta R.T. -0.023 min
Lab File: BF125828.D
Acq: 13 Oct 2021 15:49

Tgt Ion:276 Resp: 113274
Ion Ratio Lower Upper
276 100
277 26.0 22.0 33.0
138 25.9 22.2 33.4

