

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122321\
 Data File : BF126353.D
 Acq On : 23 Dec 2021 19:49
 Operator : JU/CG
 Sample : M5191-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-(3.5-7.0)-12-21-2021

Quant Time: Dec 27 06:51:59 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

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

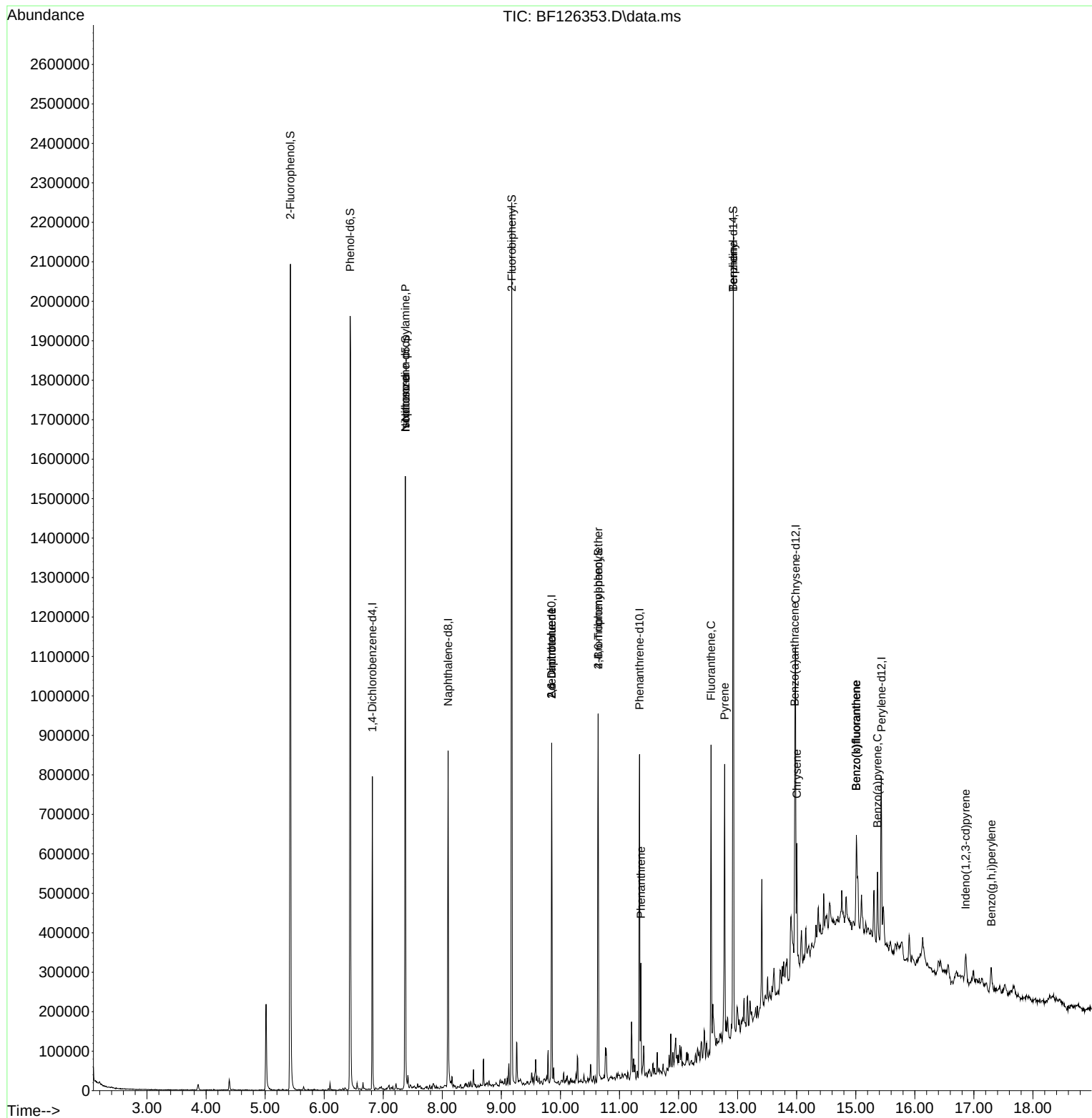
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	101053	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	353978	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	155795	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	275351	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	244045	20.000	ng	0.00
86) Perylene-d12	15.433	264	183197	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	622575	90.728	ng	0.00
7) Phenol-d6	6.439	99	775433	88.997	ng	0.00
23) Nitrobenzene-d5	7.375	82	468660	71.706	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	102862	82.156	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	630464	70.975	ng	0.00
79) Terphenyl-d14	12.927	244	681145	48.512	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.375	70	60290	11.272	ng	# 54
25) Isophorone	7.375	82	466460	37.793	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	20207	9.460	ng	# 26
57) 2,4-Dinitrotoluene	9.851	165	20207	7.416	ng	# 18
67) 4-Bromophenyl-phenylether	10.639	248	5469	2.116	ng	# 1
71) Phenanthrene	11.363	178	103312	7.269	ng	98
75) Fluoranthene	12.551	202	270599	21.133	ng	93
77) Benzidine	12.927	184	8524	2.215	ng	# 84
78) Pyrene	12.780	202	263406	11.748	ng	99
81) Benzo(a)anthracene	13.968	228	126922	8.780	ng	99
83) Chrysene	14.004	228	108899	7.250	ng	99
87) Indeno(1,2,3-cd)pyrene	16.862	276	41133	3.366	ng	95
88) Benzo(b)fluoranthene	15.009	252	161367	14.660	ng	# 88
89) Benzo(k)fluoranthene	15.009	252	161367	15.325	ng	# 88
90) Benzo(a)pyrene	15.368	252	80398	8.788	ng	# 91
92) Benzo(g,h,i)perylene	17.298	276	44787	4.358	ng	# 89

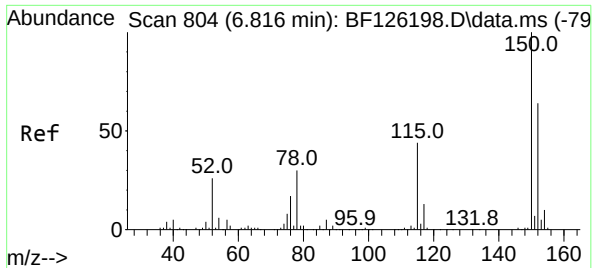
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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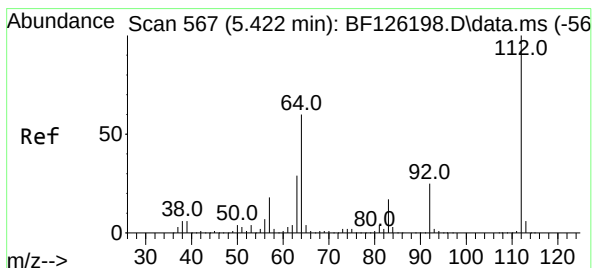
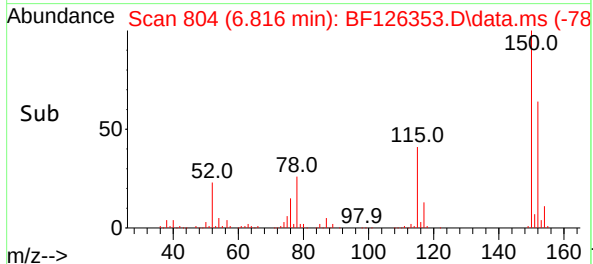
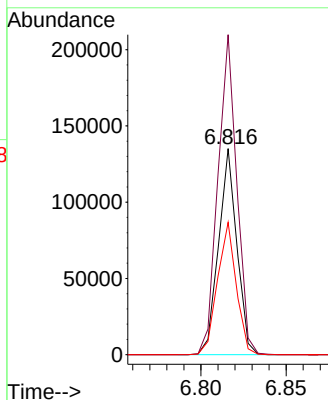
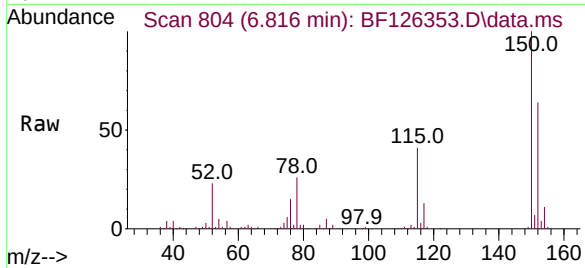




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

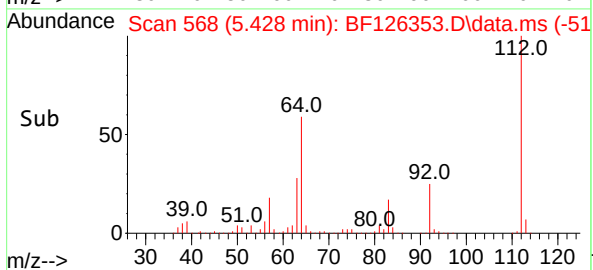
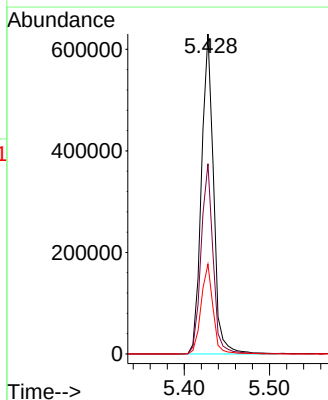
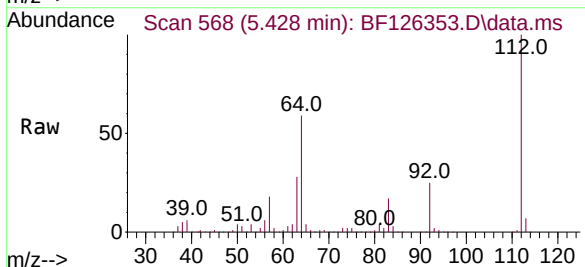
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

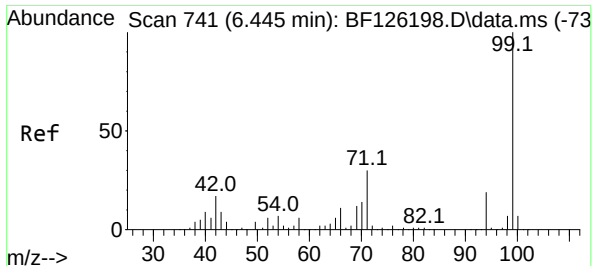
Tgt Ion:152 Resp: 101053
Ion Ratio Lower Upper
152 100
150 155.3 117.6 176.4
115 64.2 47.1 70.7



#5
2-Fluorophenol
Concen: 90.728 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Tgt Ion:112 Resp: 622575
Ion Ratio Lower Upper
112 100
64 59.4 44.2 66.2
63 28.0 26.2 39.2

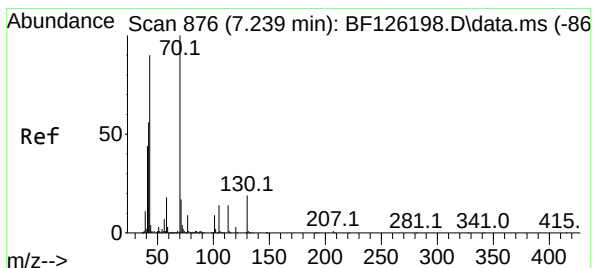
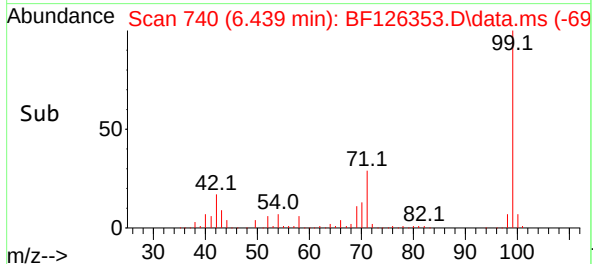
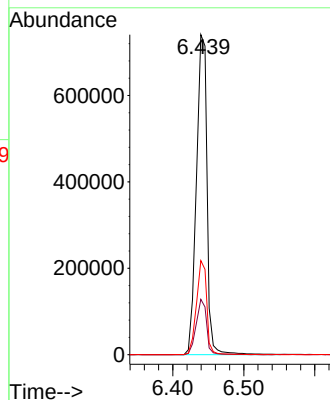
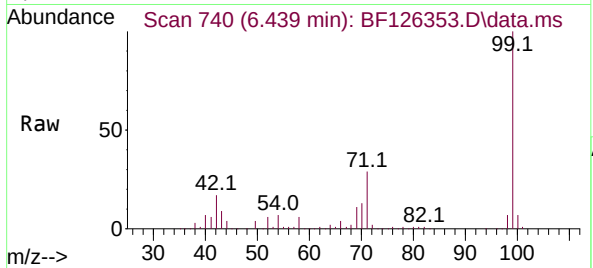




#7
Phenol-d6
Concen: 88.997 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

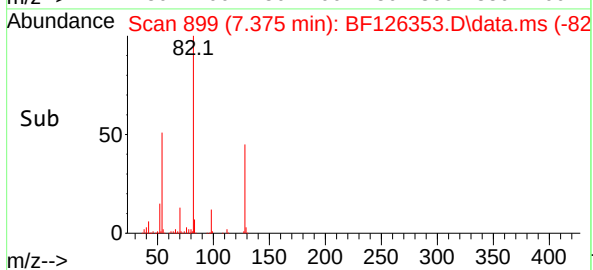
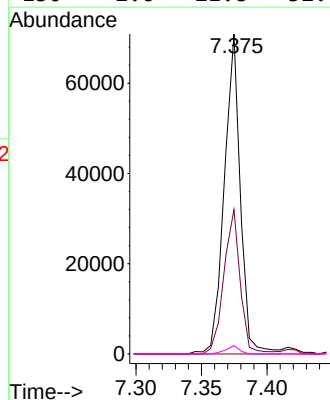
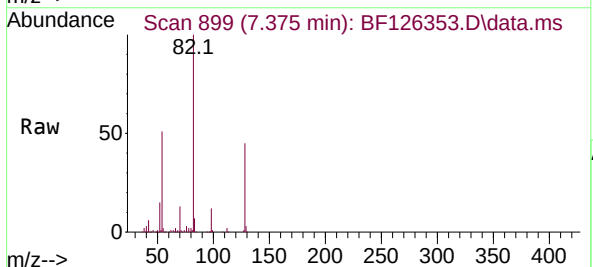
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

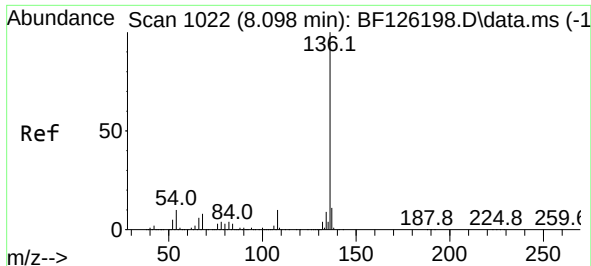
Tgt Ion: 99 Resp: 775433
Ion Ratio Lower Upper
99 100
42 17.3 23.5 35.3#
71 29.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.272 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.141 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

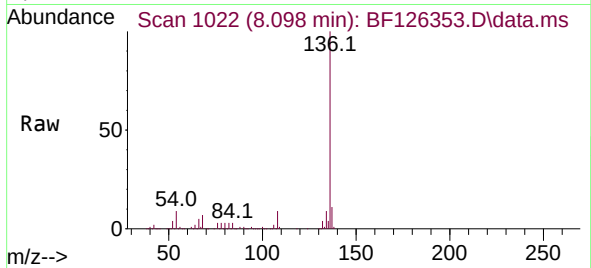
Tgt Ion: 70 Resp: 60290
Ion Ratio Lower Upper
70 100
42 45.1 72.2 108.2#
101 0.0 7.8 11.8#
130 2.6 21.8 32.6#





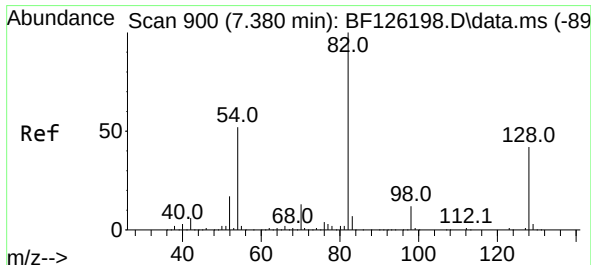
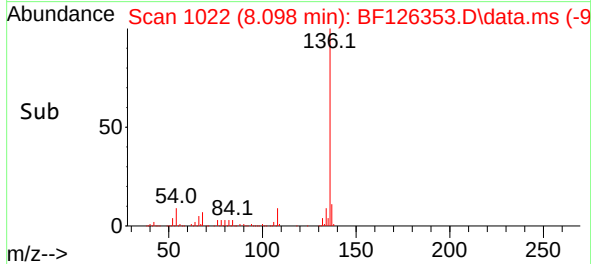
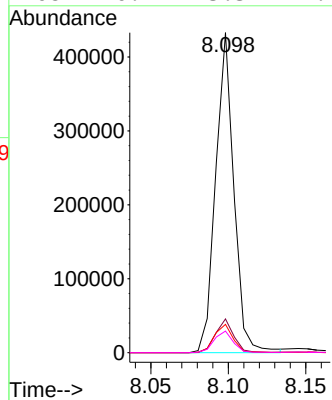
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021



Tgt Ion:136 Resp: 353978

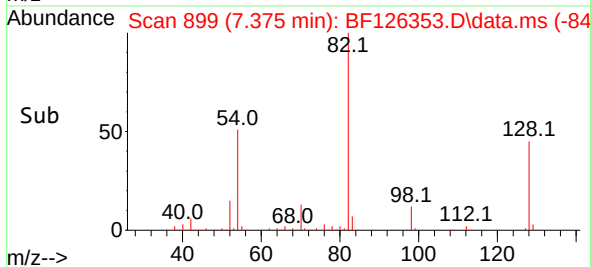
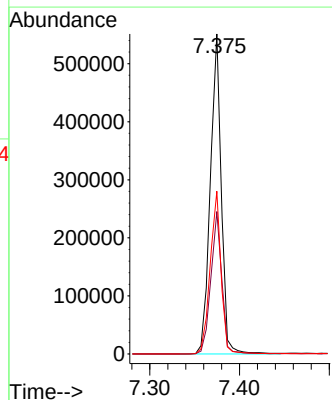
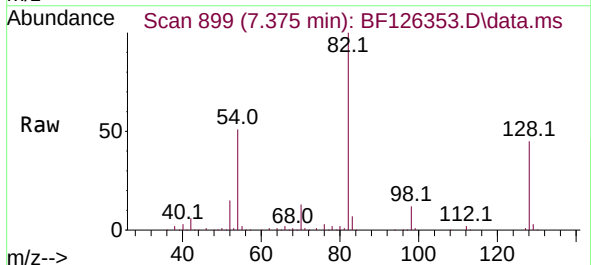
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.8	14.6
54	8.9	6.4	9.6
68	6.7	3.3	4.9

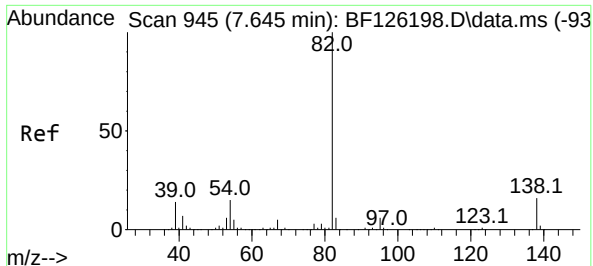


#23
Nitrobenzene-d5
Concen: 71.706 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Tgt Ion: 82 Resp: 468660

Ion	Ratio	Lower	Upper
82	100		
128	44.5	40.6	60.8
54	50.9	49.6	74.4

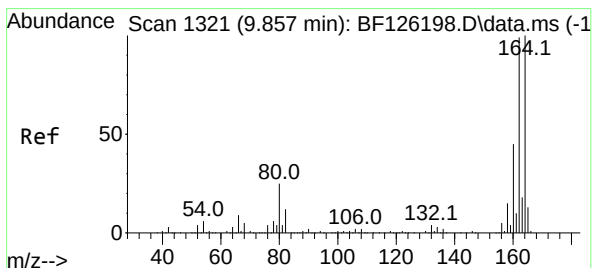
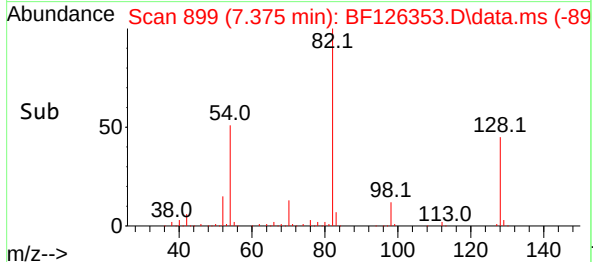
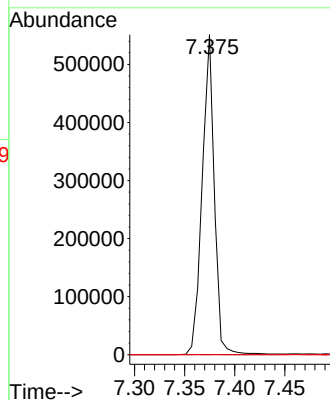
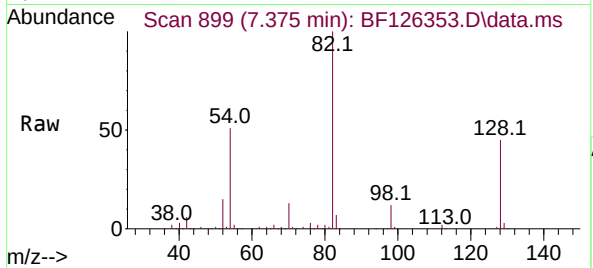




#25
Isophorone
Concen: 37.793 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

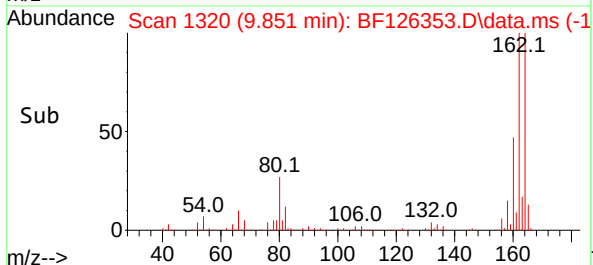
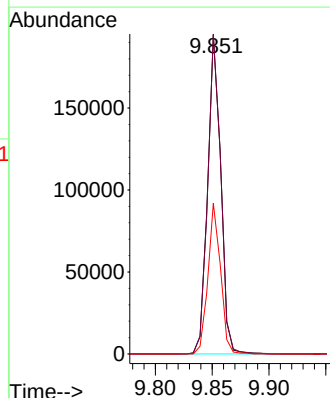
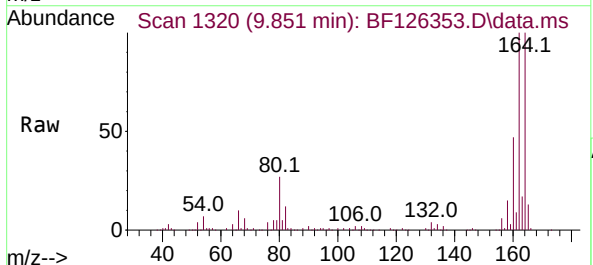
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

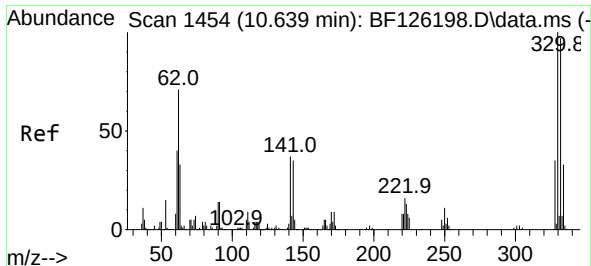
Tgt Ion: 82 Resp: 466460
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

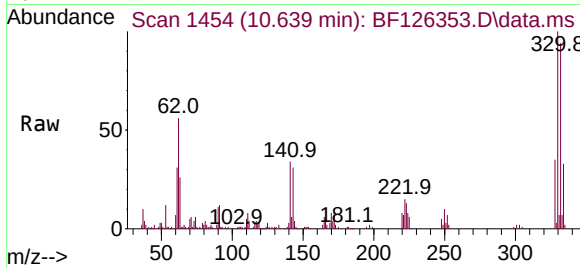
Tgt Ion: 164 Resp: 155795
Ion Ratio Lower Upper
164 100
162 100.3 81.3 121.9
160 47.2 38.0 57.0



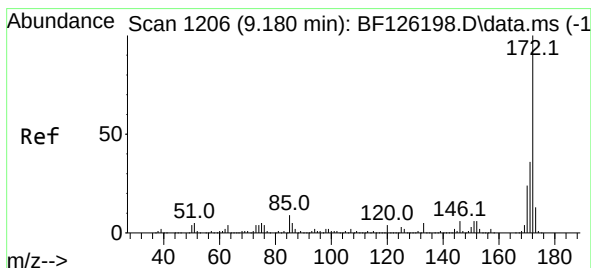
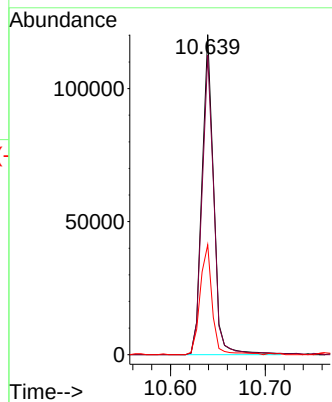
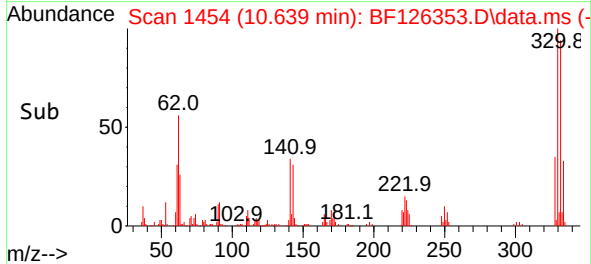


#42
2,4,6-Tribromophenol
Concen: 82.156 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

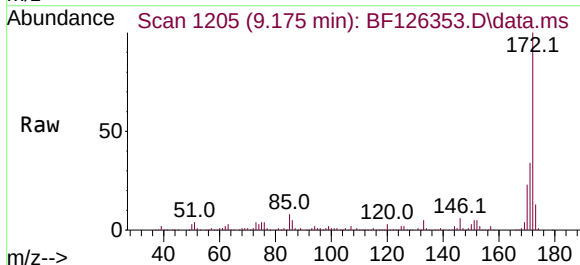
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021



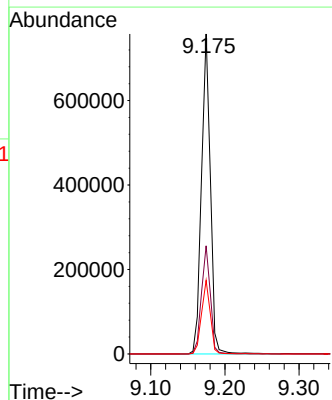
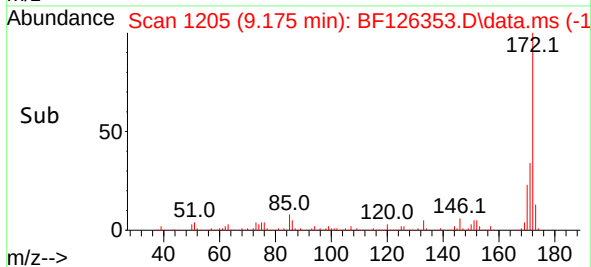
Tgt Ion:330 Resp: 102862
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 35.7 44.6 66.8#

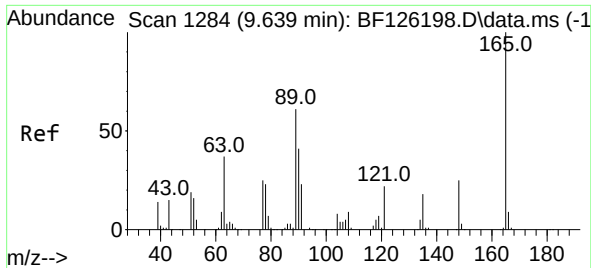


#45
2-Fluorobiphenyl
Concen: 70.975 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49



Tgt Ion:172 Resp: 630464
Ion Ratio Lower Upper
172 100
171 33.8 26.5 39.7
170 23.0 18.8 28.2

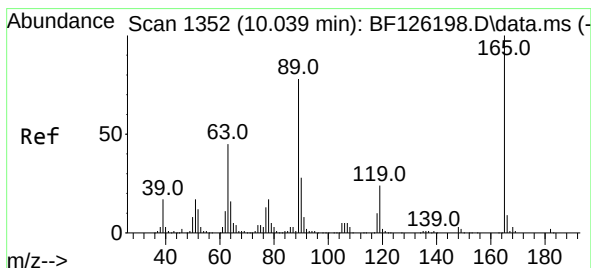
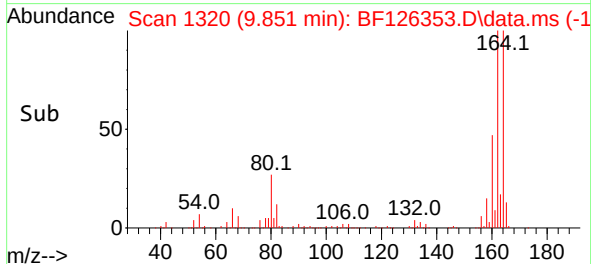
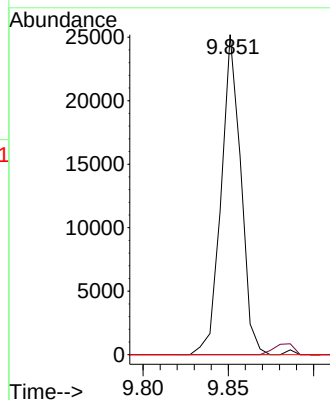
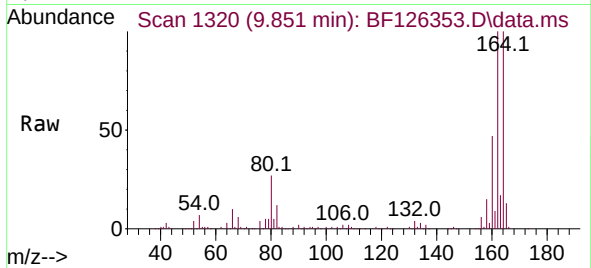




#51
2,6-Dinitrotoluene
Concen: 9.460 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

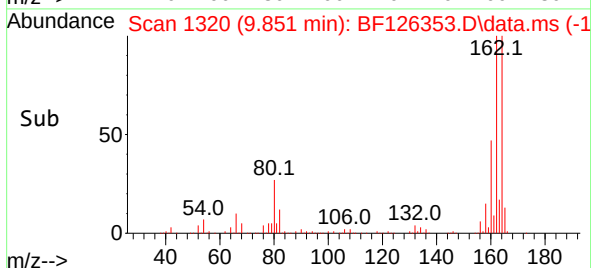
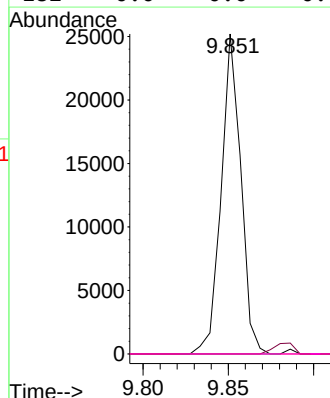
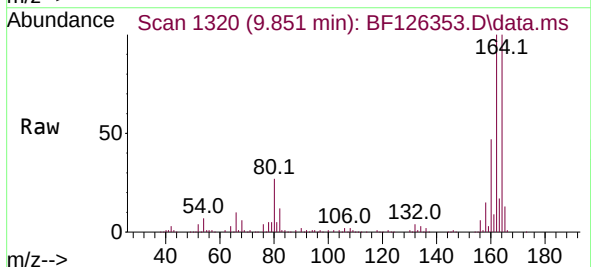
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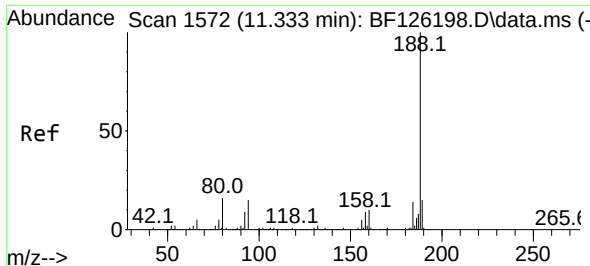
Tgt Ion:165 Resp: 20207
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.416 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Tgt Ion:165 Resp: 20207
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0

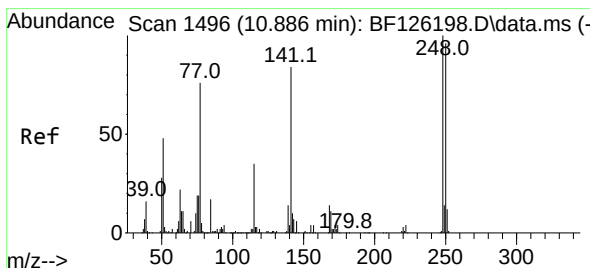
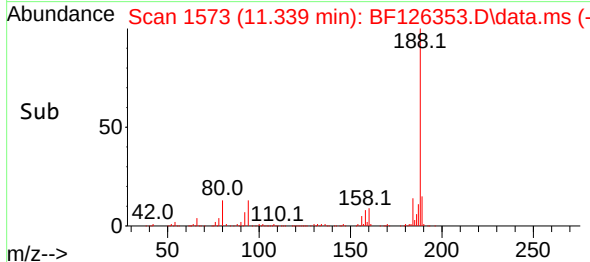
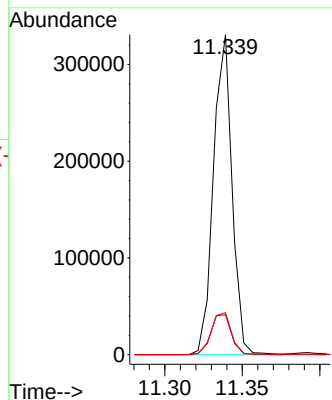
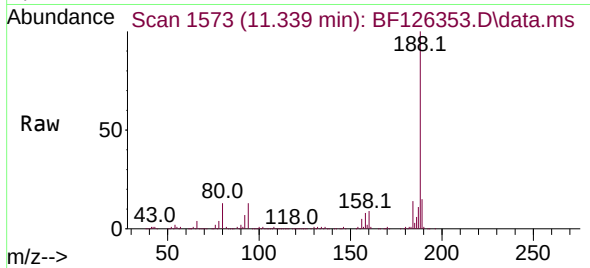




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

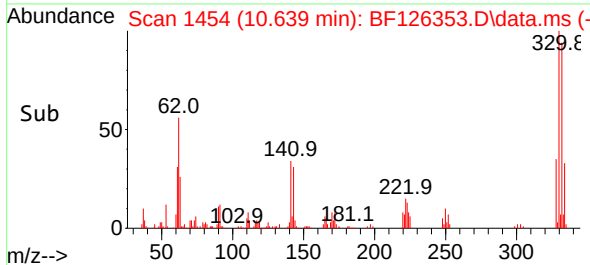
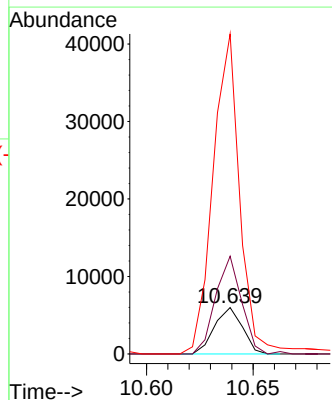
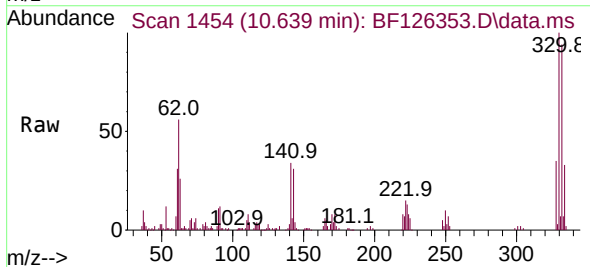
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

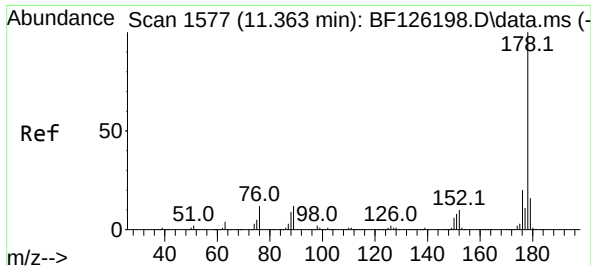
Tgt Ion:188 Resp: 275351
Ion Ratio Lower Upper
188 100
94 12.5 6.7 10.1#
80 13.2 7.5 11.3#



#67
4-Bromophenyl-phenylether
Concen: 2.116 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Tgt Ion:248 Resp: 5469
Ion Ratio Lower Upper
248 100
250 210.7 74.2 111.4#
141 689.1 60.4 90.6#

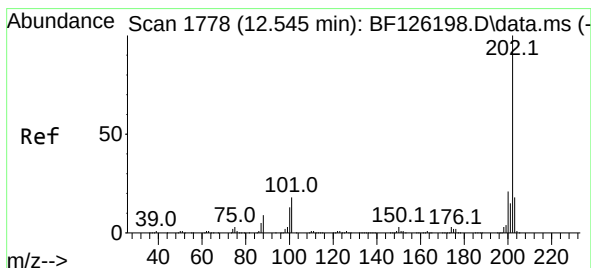
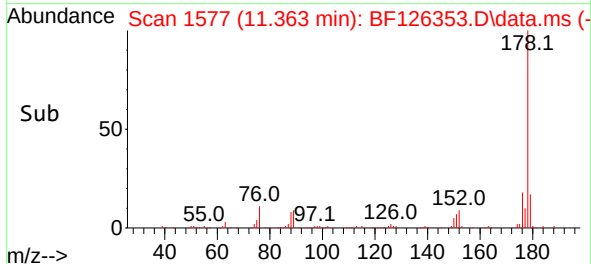
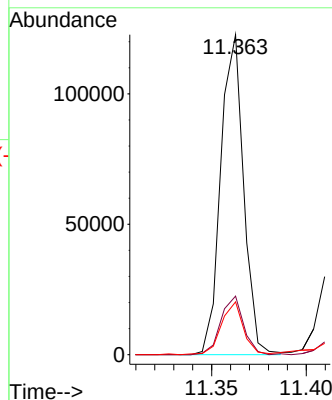
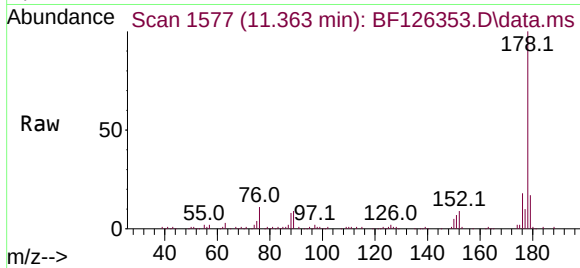




#71
Phenanthrene
Concen: 7.269 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

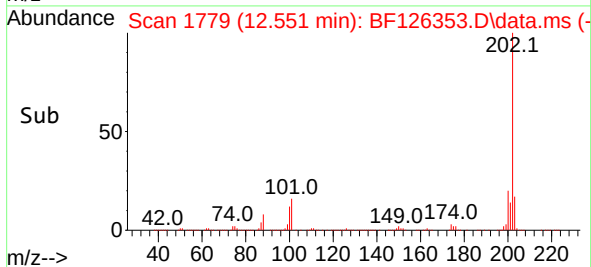
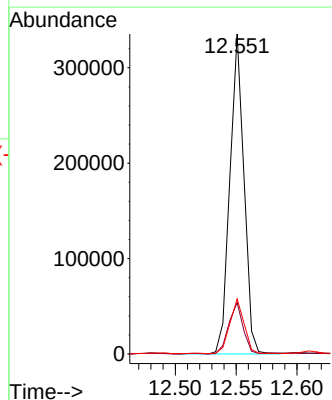
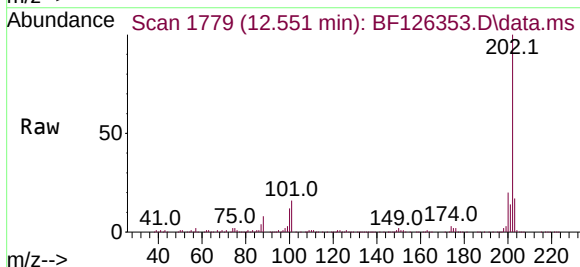
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

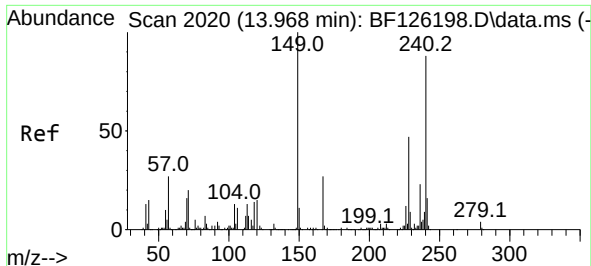
Tgt Ion:178 Resp: 103312
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 16.5 11.5 17.3



#75
Fluoranthene
Concen: 21.133 ng
RT: 12.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Tgt Ion:202 Resp: 270599
Ion Ratio Lower Upper
202 100
101 16.0 0.0 30.7
203 17.2 0.0 36.3

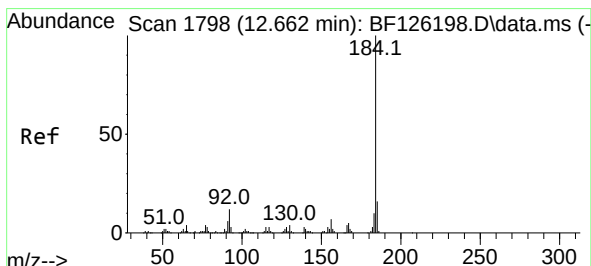
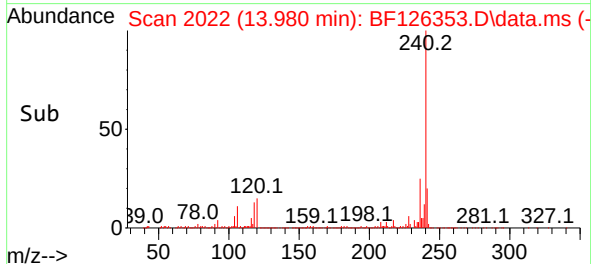
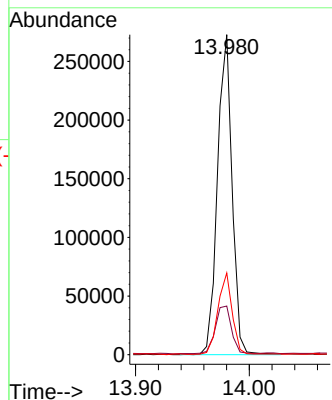
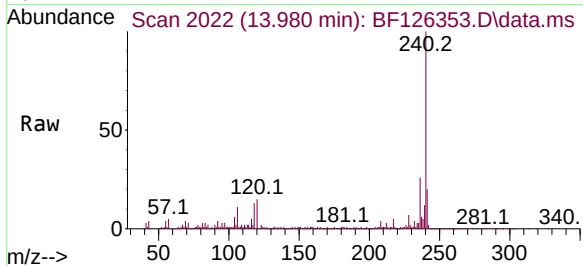




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

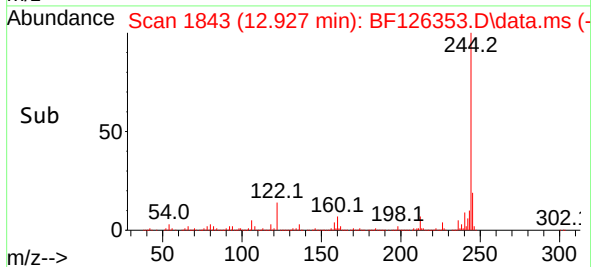
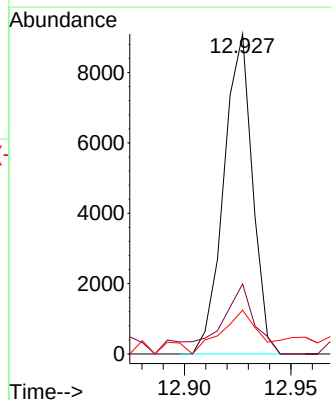
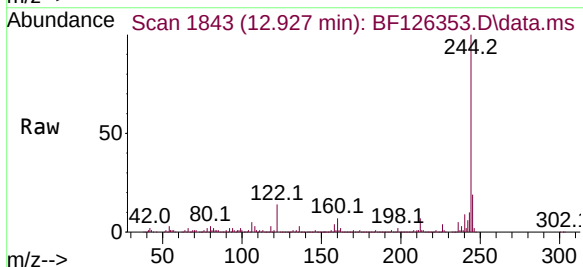
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

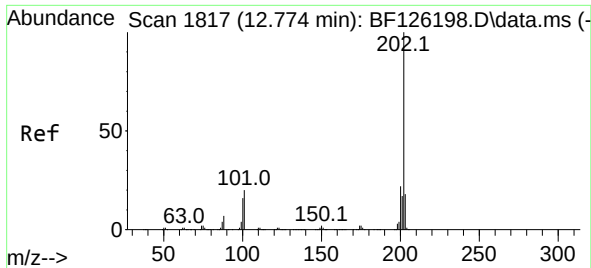
Tgt Ion:240 Resp: 244045
Ion Ratio Lower Upper
240 100
120 15.2 10.8 16.2
236 25.6 21.6 32.4



#77
Benzidine
Concen: 2.215 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.253 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Tgt Ion:184 Resp: 8524
Ion Ratio Lower Upper
184 100
185 21.9 10.8 16.2#
183 13.7 8.1 12.1#

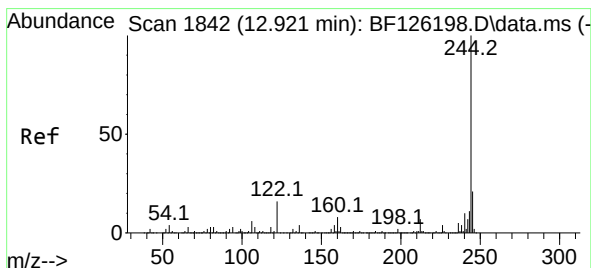
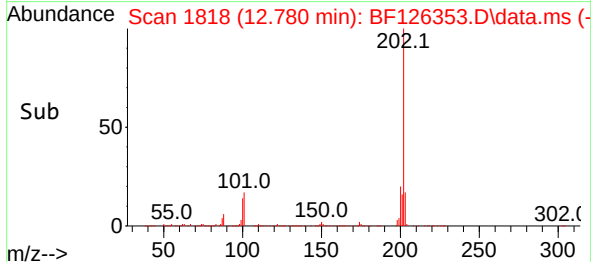
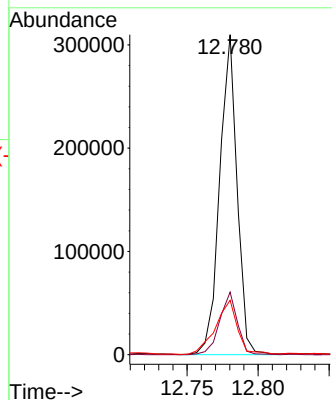
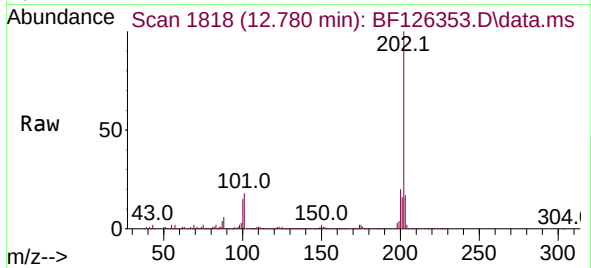




#78
Pyrene
Concen: 11.748 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

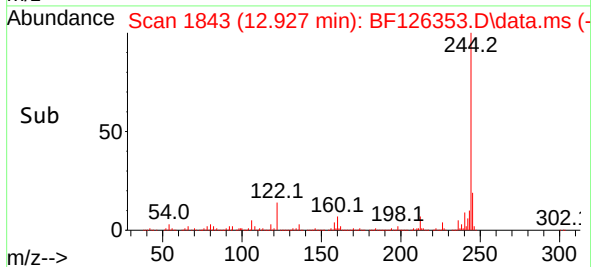
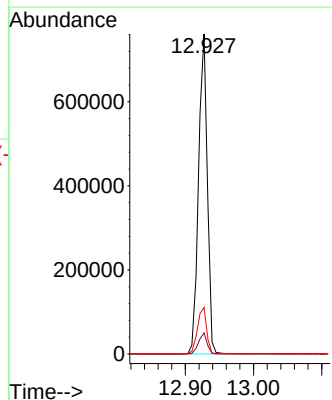
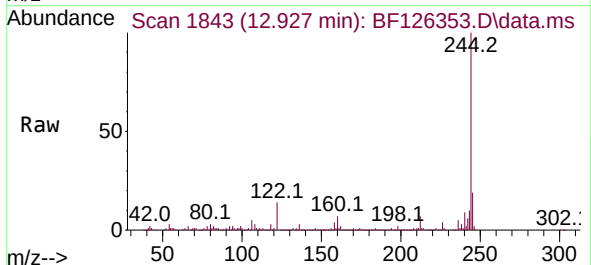
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

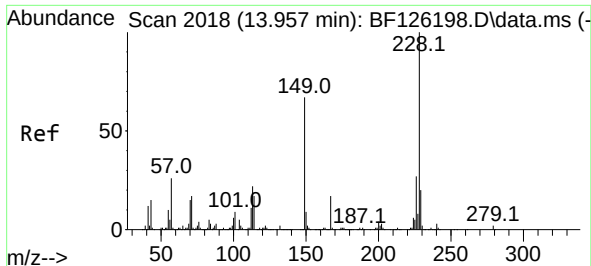
Tgt Ion:202 Resp: 263406
Ion Ratio Lower Upper
202 100
200 19.5 15.3 22.9
203 17.0 13.4 20.0



#79
Terphenyl-d14
Concen: 48.512 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Tgt Ion:244 Resp: 681145
Ion Ratio Lower Upper
244 100
212 6.6 5.9 8.9
122 14.5 9.0 13.4

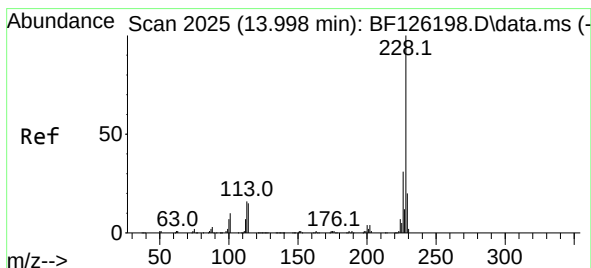
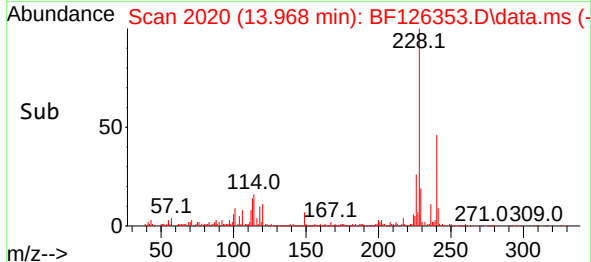
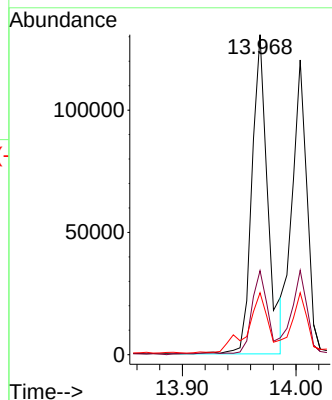
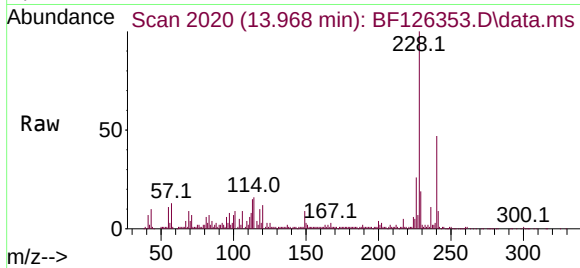




#81
Benzo(a)anthracene
Concen: 8.780 ng
RT: 13.968 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

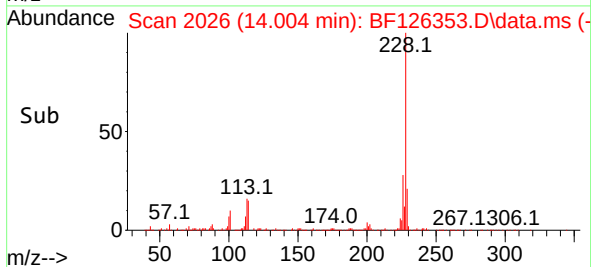
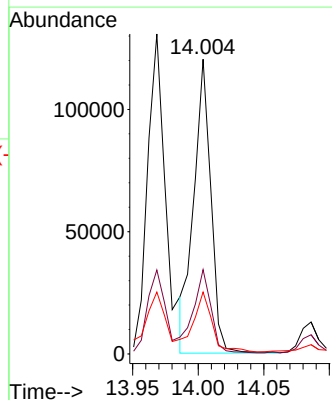
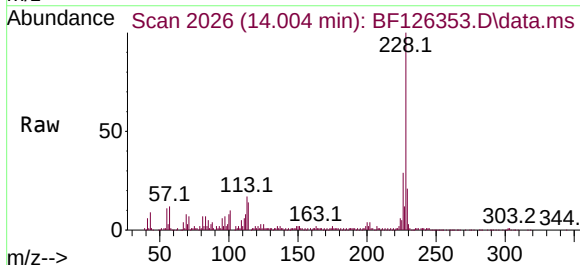
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

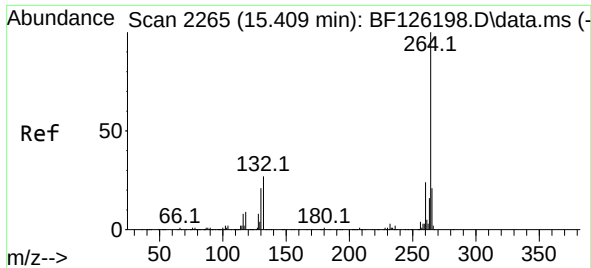
Tgt Ion:228 Resp: 126922
Ion Ratio Lower Upper
228 100
226 26.3 21.6 32.4
229 19.4 15.6 23.4



#83
Chrysene
Concen: 7.250 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Tgt Ion:228 Resp: 108899
Ion Ratio Lower Upper
228 100
226 28.6 22.6 34.0
229 21.0 15.9 23.9

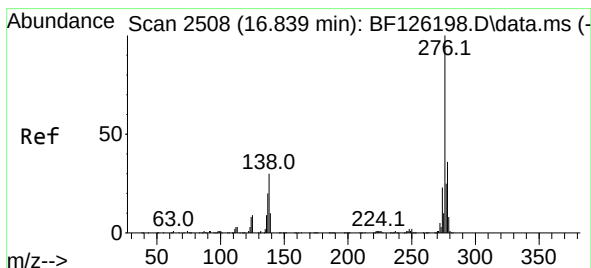
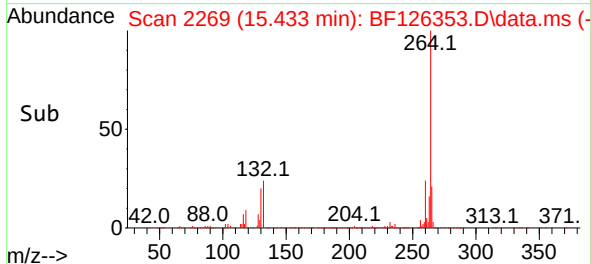
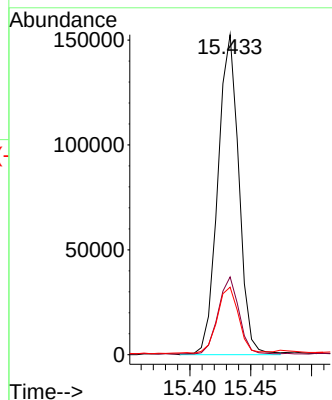
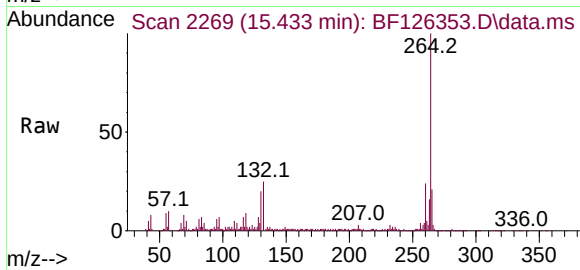




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

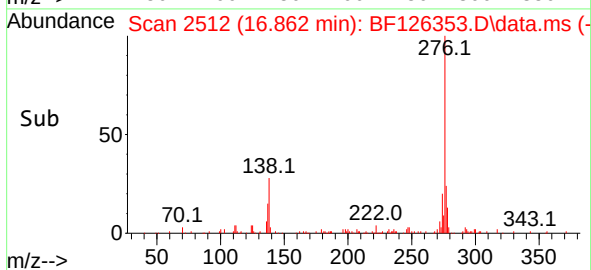
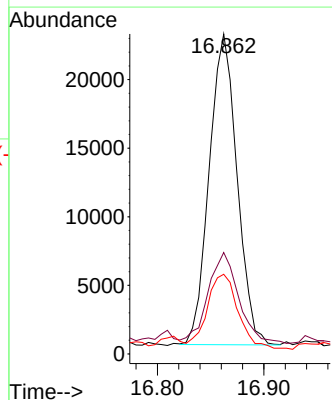
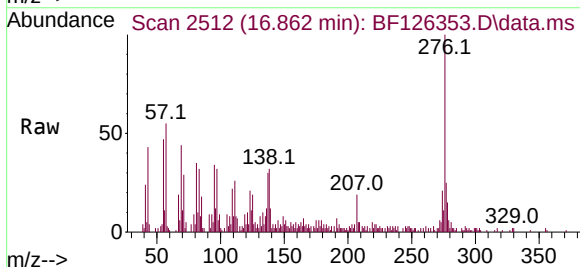
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

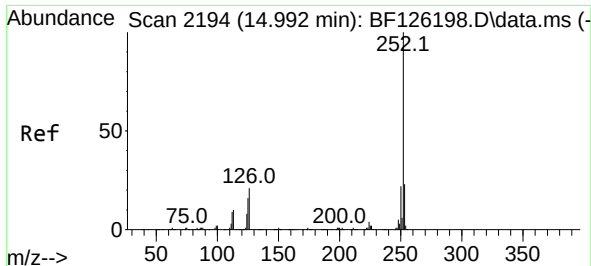
Tgt Ion:264 Resp: 183197
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 21.1 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.366 ng
RT: 16.862 min Scan# 2512
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Tgt Ion:276 Resp: 41133
Ion Ratio Lower Upper
276 100
138 32.1 24.1 36.1
277 26.9 18.8 28.2

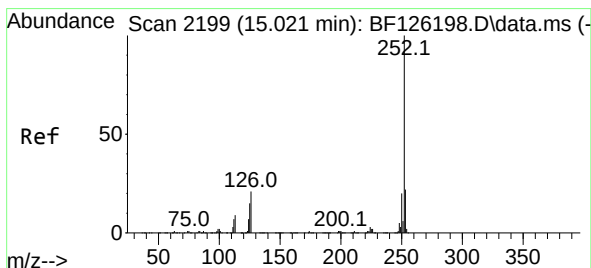
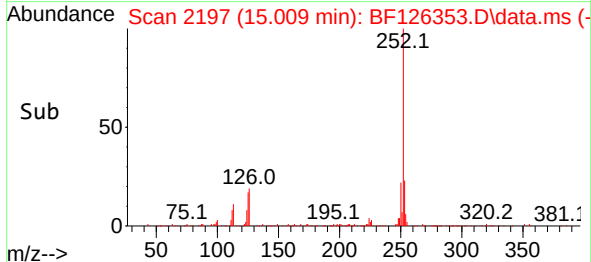
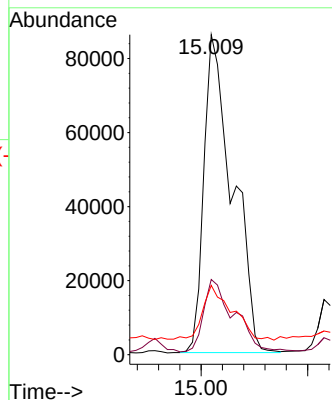
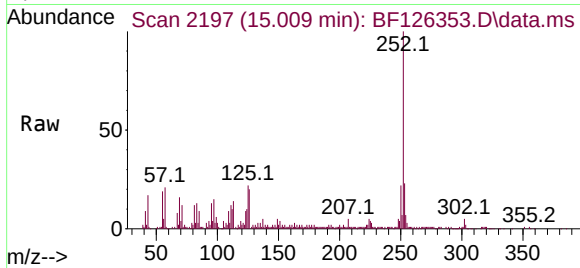




#88
Benzo(b)fluoranthene
Concen: 14.660 ng
RT: 15.009 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

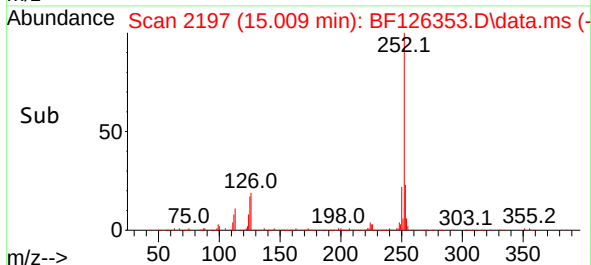
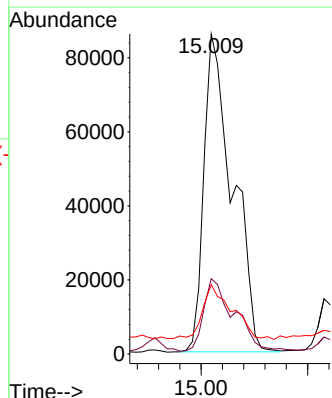
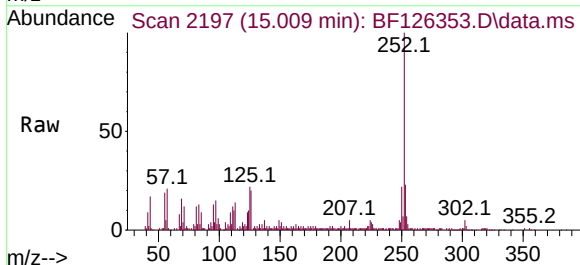
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

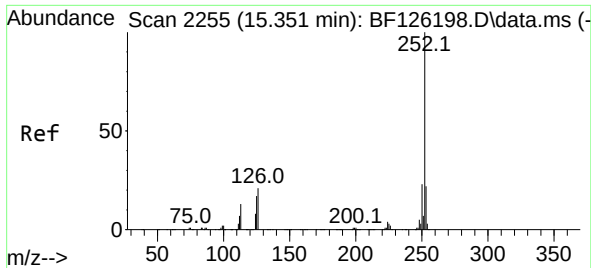
Tgt Ion:252 Resp: 161367
Ion Ratio Lower Upper
252 100
253 23.5 16.8 25.2
125 21.7 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 15.325 ng
RT: 15.009 min Scan# 2197
Delta R.T. -0.024 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Tgt Ion:252 Resp: 161367
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 21.7 7.2 10.8#

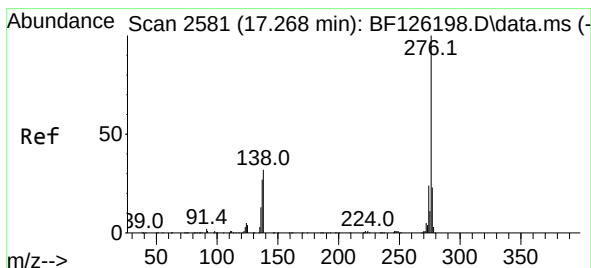
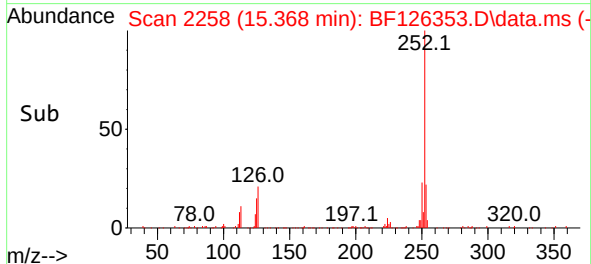
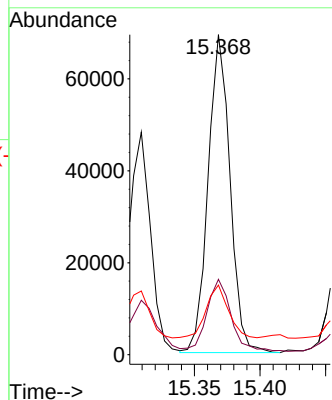
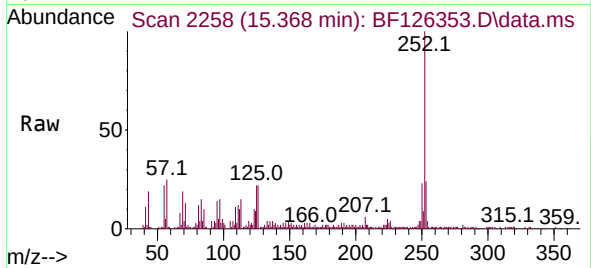




#90
Benzo(a)pyrene
Concen: 8.788 ng
RT: 15.368 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

Tgt Ion:252 Resp: 80398
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 21.8 9.9 14.9#



#92
Benzo(g,h,i)perylene
Concen: 4.358 ng
RT: 17.298 min Scan# 2586
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Tgt Ion:276 Resp: 44787
Ion Ratio Lower Upper
276 100
277 21.9 22.0 33.0#
138 34.1 22.2 33.4#

