

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101421\
 Data File : BF125853.D
 Acq On : 14 Oct 2021 19:46
 Operator : JU/CG
 Sample : M4134-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-01

Quant Time: Oct 15 10:42:39 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 12:29:41 2021
 Response via : Initial Calibration

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

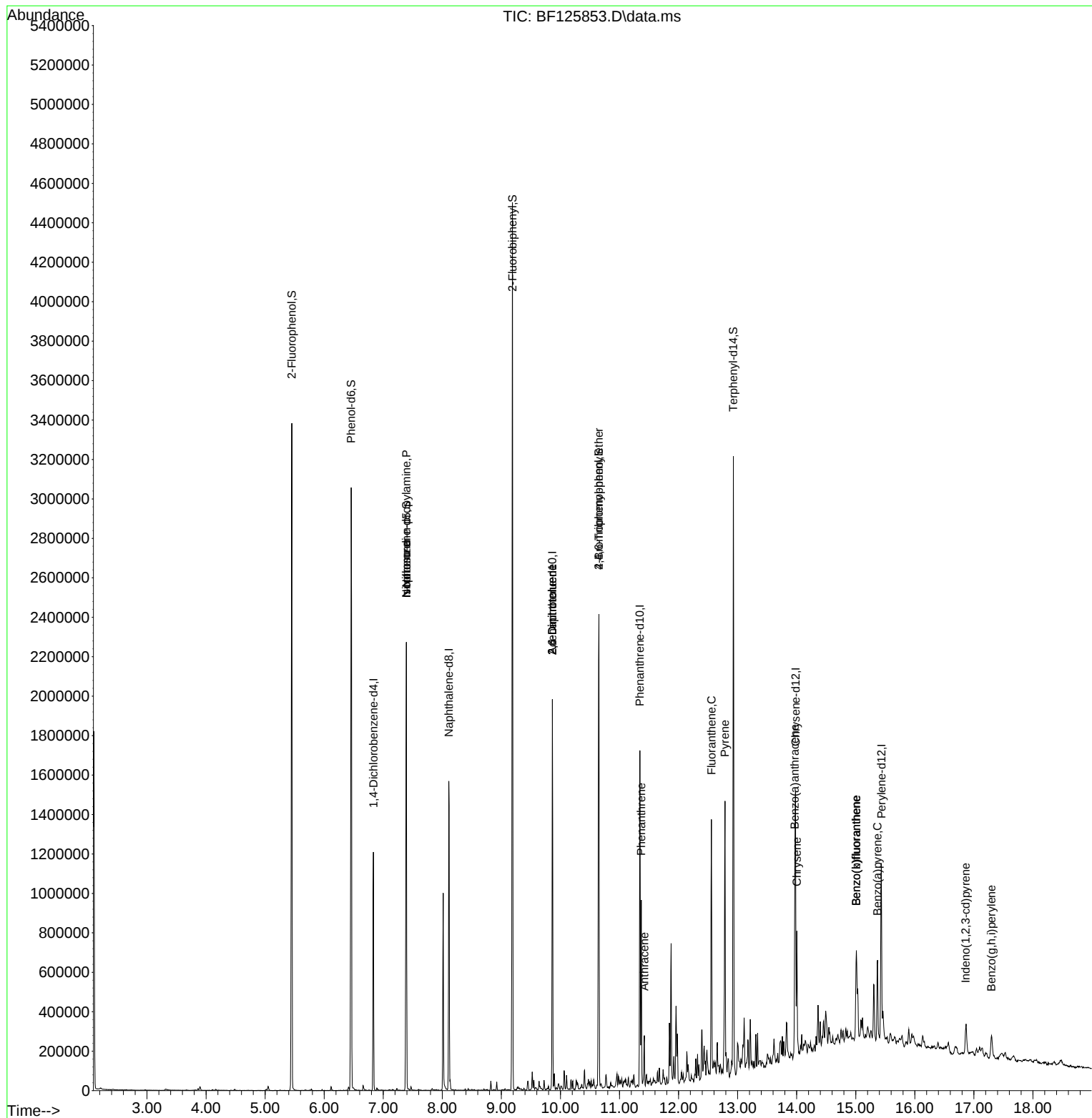
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	181439	20.000	ng	-0.01
21) Naphthalene-d8	8.110	136	746013	20.000	ng	#-0.02
39) Acenaphthene-d10	9.863	164	381088	20.000	ng	-0.02
64) Phenanthrene-d10	11.345	188	582539	20.000	ng	#-0.02
76) Chrysene-d12	13.980	240	391094	20.000	ng	-0.02
86) Perylene-d12	15.433	264	380197	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1001796	90.199	ng	-0.01
7) Phenol-d6	6.457	99	1241740	86.848	ng	-0.02
23) Nitrobenzene-d5	7.392	82	732292	61.017	ng	-0.02
42) 2,4,6-Tribromophenol	10.651	330	313360	83.285	ng	-0.02
45) 2-Fluorobiphenyl	9.186	172	1324514	59.948	ng	-0.02
79) Terphenyl-d14	12.927	244	994343	38.728	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	92746	12.288	ng	# 51
25) Isophorone	7.392	82	732279	34.440	ng	# 59
51) 2,6-Dinitrotoluene	9.863	165	50932	10.044	ng	# 27
57) 2,4-Dinitrotoluene	9.863	165	50932	7.944	ng	# 19
67) 4-Bromophenyl-phenylether	10.651	248	18138	2.811	ng	# 1
71) Phenanthrene	11.369	178	310063	9.948	ng	99
72) Anthracene	11.421	178	90785	2.916	ng	99
75) Fluoranthene	12.557	202	467221	16.613	ng	97
78) Pyrene	12.786	202	544360	13.701	ng	98
81) Benzo(a)anthracene	13.968	228	256094	10.093	ng	99
83) Chrysene	14.004	228	220918	8.809	ng	98
87) Indeno(1,2,3-cd)pyrene	16.862	276	97101	3.346	ng	94
88) Benzo(b)fluoranthene	15.009	252	346742	16.154	ng	97
89) Benzo(k)fluoranthene	15.009	252	346742	15.734	ng	# 97
90) Benzo(a)pyrene	15.368	252	193802	10.196	ng	100
92) Benzo(g,h,i)perylene	17.298	276	90272	3.693	ng	97

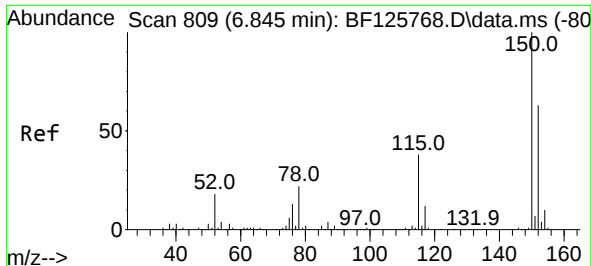
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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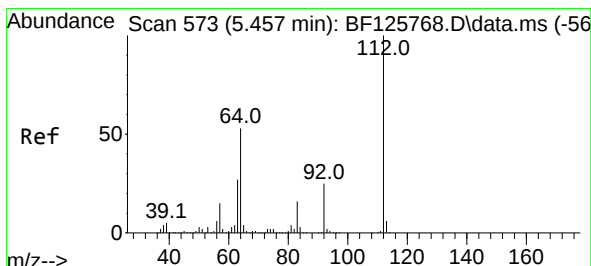
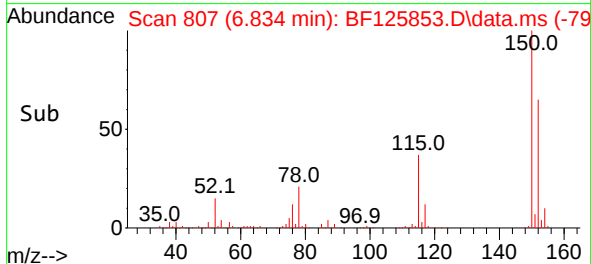
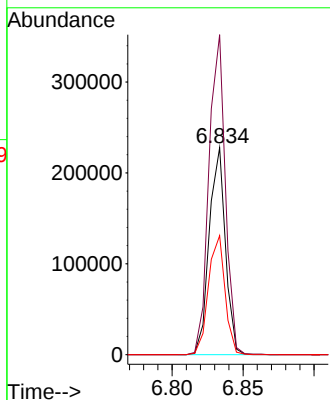
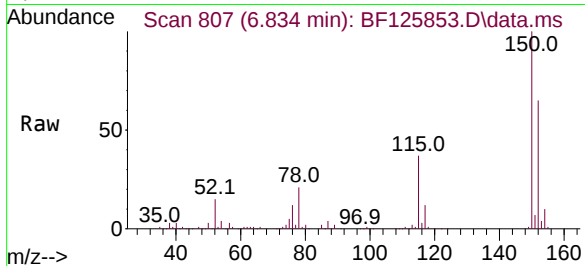




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.011 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

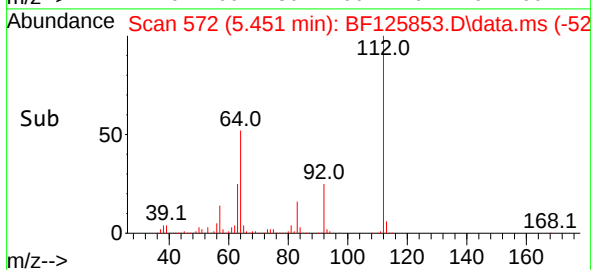
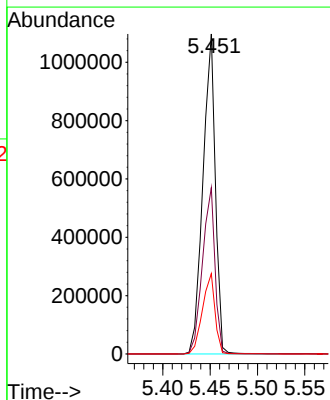
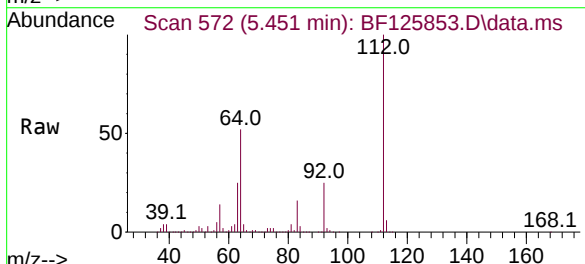
Instrument :
BNA_F
ClientSampleId :
SP-01

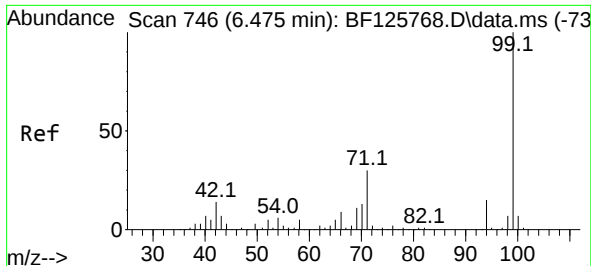
Tgt Ion:152 Resp: 181439
Ion Ratio Lower Upper
152 100
150 154.6 117.6 176.4
115 57.5 47.1 70.7



#5
2-Fluorophenol
Concen: 90.199 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

Tgt Ion:112 Resp: 1001796
Ion Ratio Lower Upper
112 100
64 52.0 44.2 66.2
63 25.1 26.2 39.2#

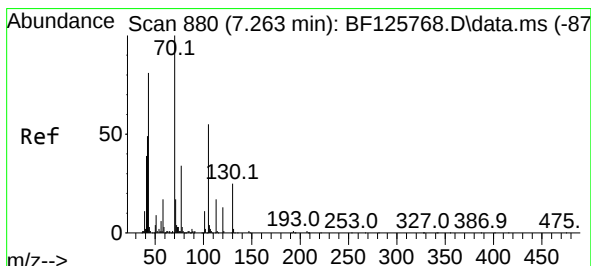
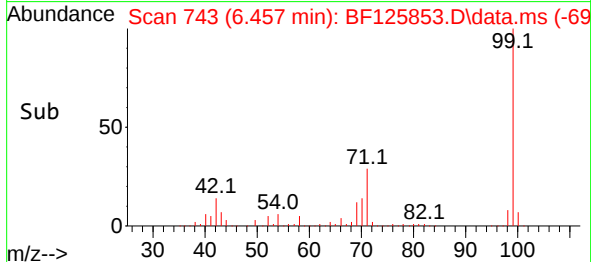
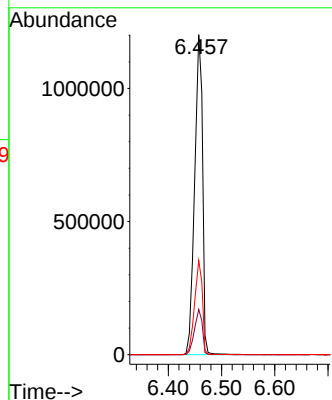
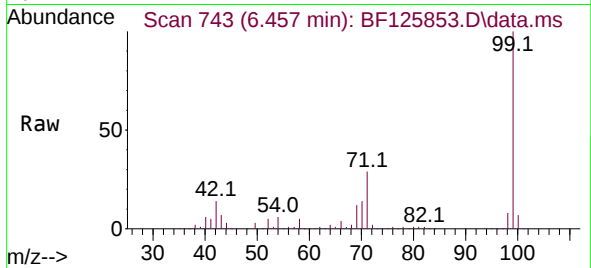




#7
Phenol-d6
Concen: 86.848 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

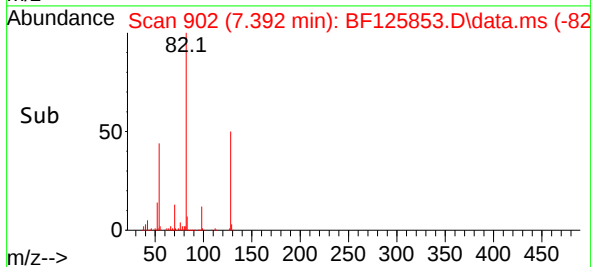
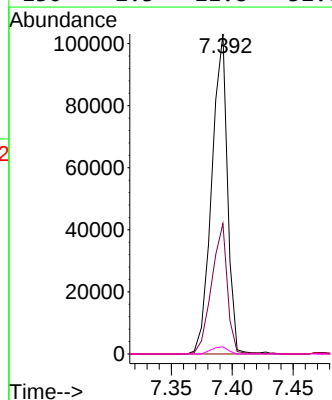
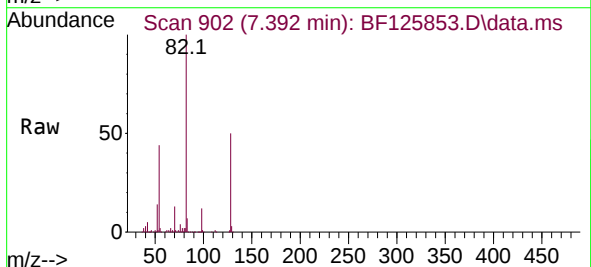
Instrument :
BNA_F
ClientSampleId :
SP-01

Tgt Ion: 99 Resp: 1241740
Ion Ratio Lower Upper
99 100
42 14.2 23.5 35.3#
71 29.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.288 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.129 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

Tgt Ion: 70 Resp: 92746
Ion Ratio Lower Upper
70 100
42 40.7 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#

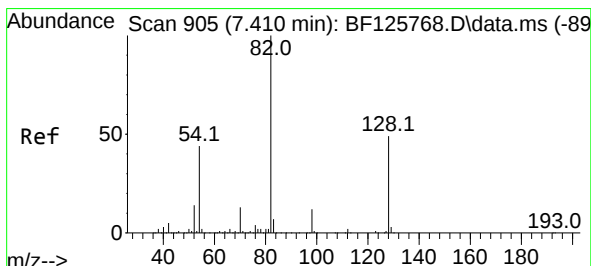
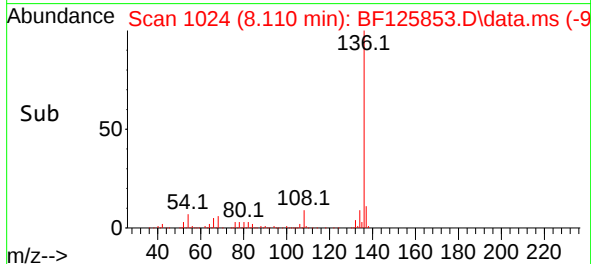
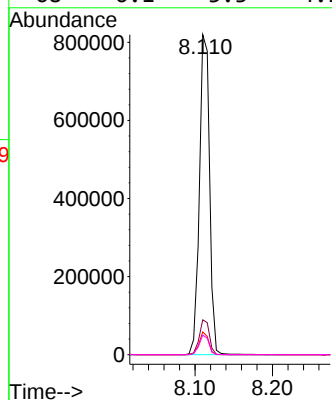
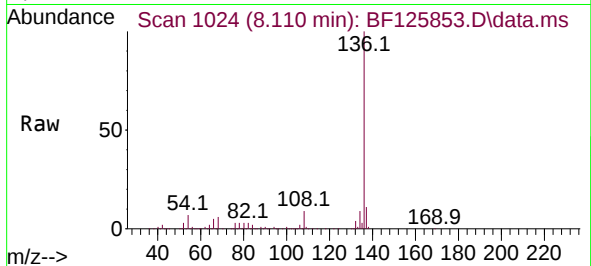




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

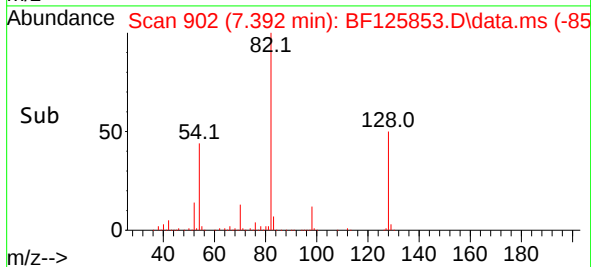
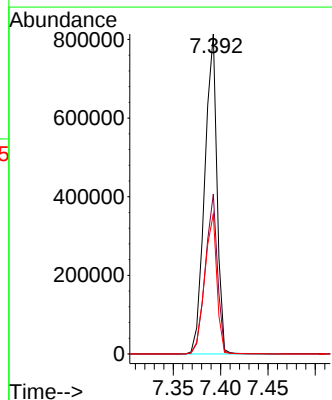
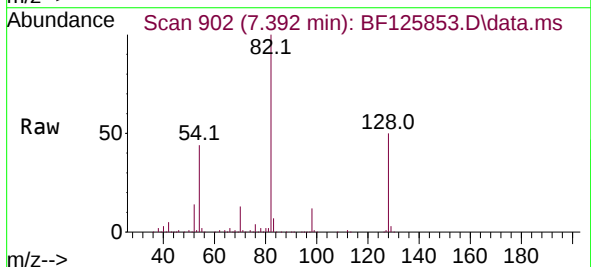
Instrument :
BNA_F
ClientSampleId :
SP-01

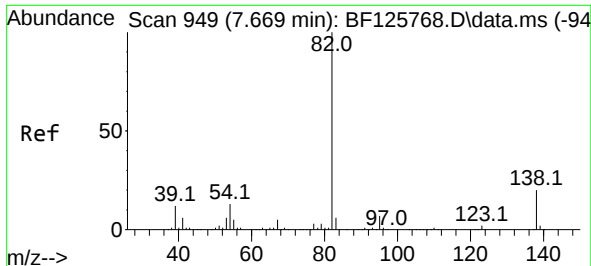
Tgt Ion:	136	Resp:	746013
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.8	14.6
54	7.1	6.4	9.6
68	6.1	3.3	4.9



#23
Nitrobenzene-d5
Concen: 61.017 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

Tgt Ion:	82	Resp:	732292
Ion	Ratio	Lower	Upper
82	100		
128	49.9	40.6	60.8
54	43.7	49.6	74.4

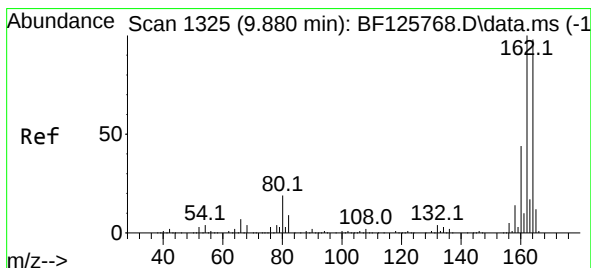
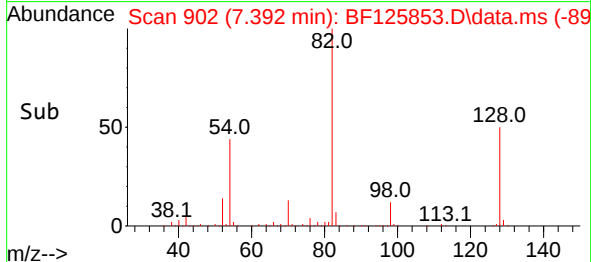
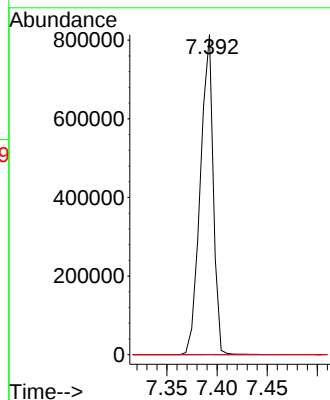
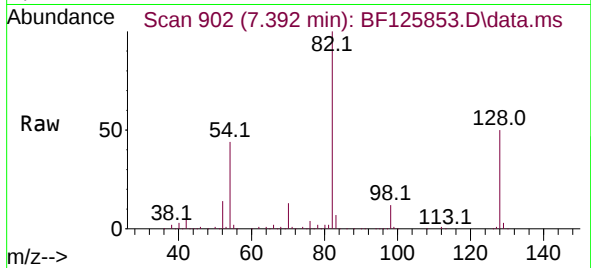




#25
Isophorone
Concen: 34.440 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.277 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

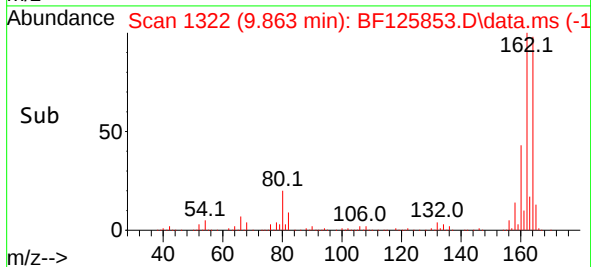
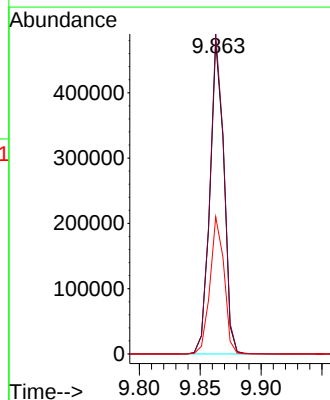
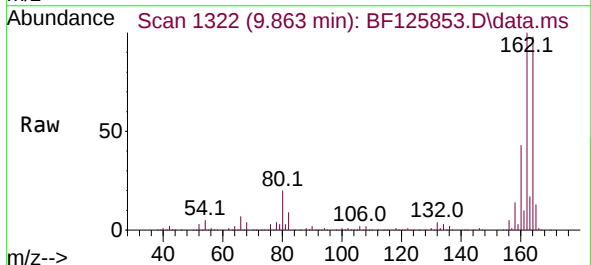
Instrument :
BNA_F
ClientSampleId :
SP-01

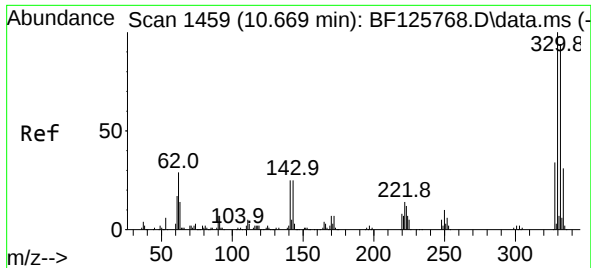
Tgt Ion: 82 Resp: 732279
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

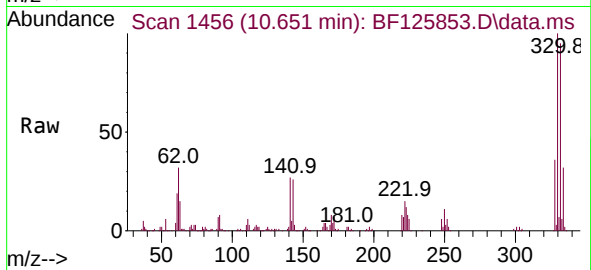
Tgt Ion: 164 Resp: 381088
Ion Ratio Lower Upper
164 100
162 102.5 81.3 121.9
160 43.9 38.0 57.0



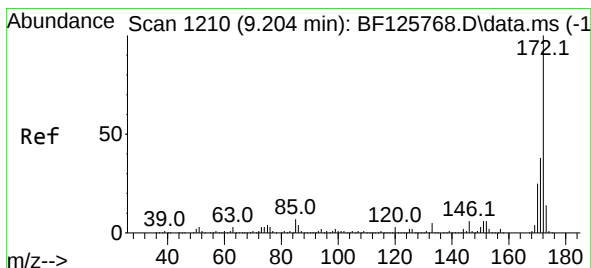
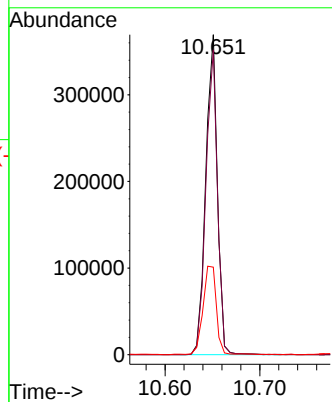
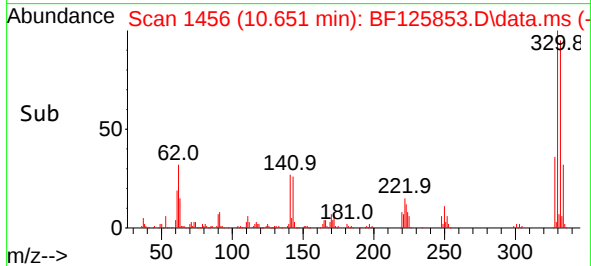


#42
2,4,6-Tribromophenol
Concen: 83.285 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

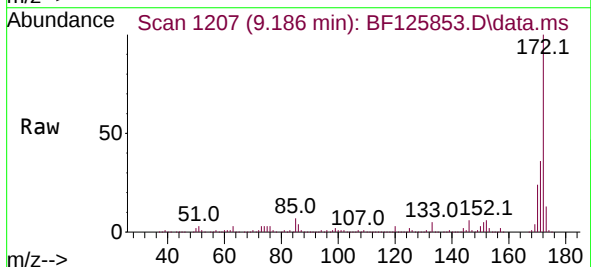
Instrument :
BNA_F
ClientSampleId :
SP-01



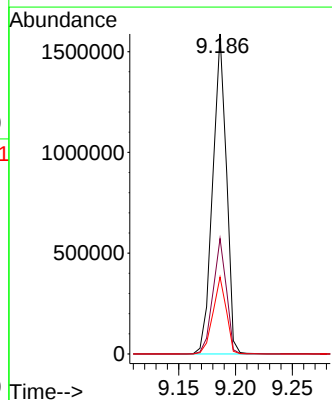
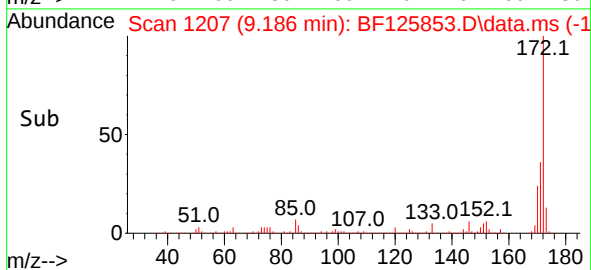
Tgt Ion: 330 Resp: 313360
Ion Ratio Lower Upper
330 100
332 95.1 76.2 114.4
141 31.8 44.6 66.8#

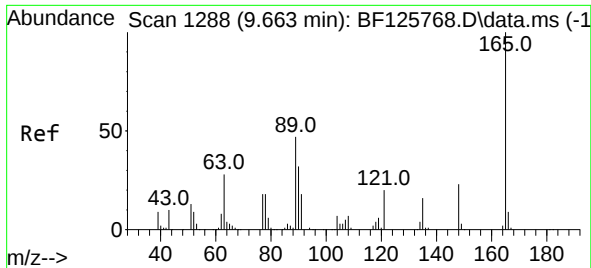


#45
2-Fluorobiphenyl
Concen: 59.948 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46



Tgt Ion: 172 Resp: 1324514
Ion Ratio Lower Upper
172 100
171 36.1 26.5 39.7
170 24.0 18.8 28.2

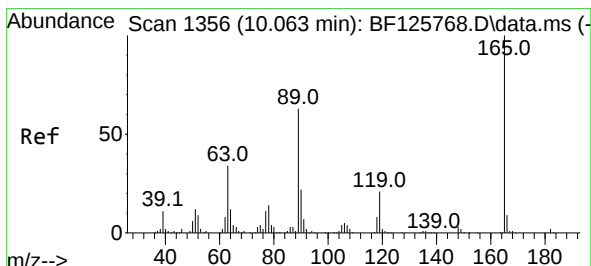
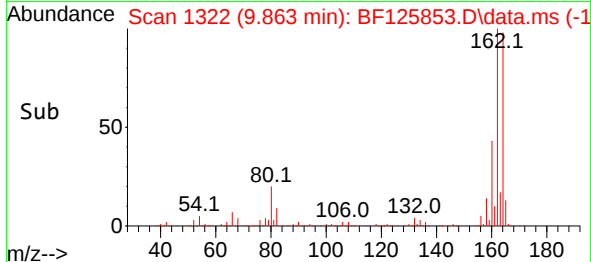
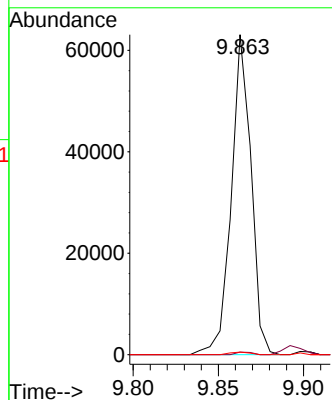
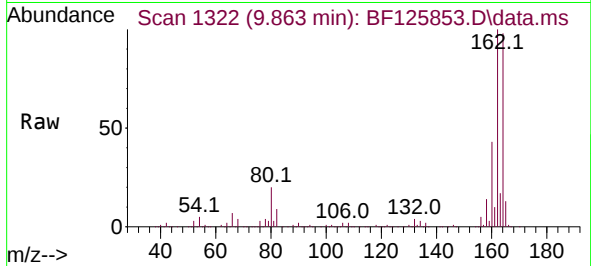




#51
2,6-Dinitrotoluene
Concen: 10.044 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.200 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

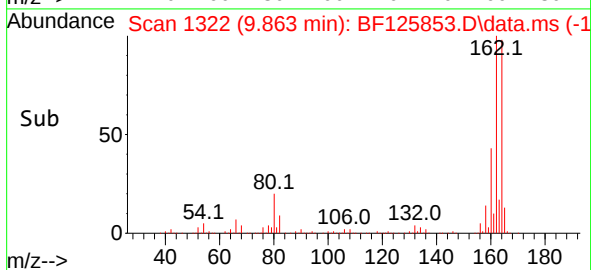
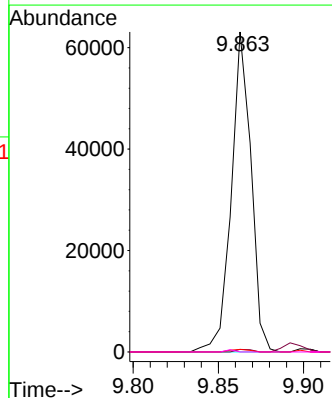
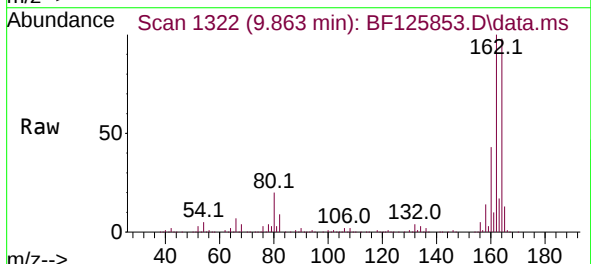
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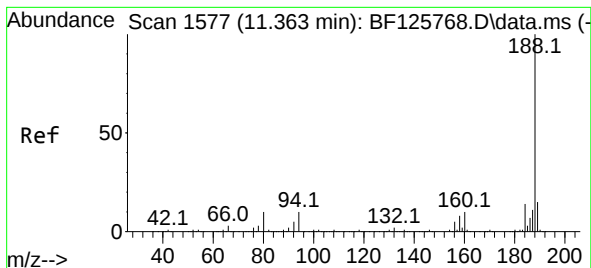
Tgt Ion:165 Resp: 50932
Ion Ratio Lower Upper
165 100
63 0.8 42.6 63.8#
89 0.8 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.944 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.200 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

Tgt Ion:165 Resp: 50932
Ion Ratio Lower Upper
165 100
63 0.8 40.9 61.3#
89 0.8 59.7 89.5#
182 0.0 0.0 0.0

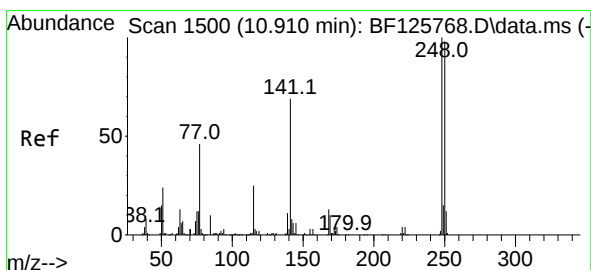
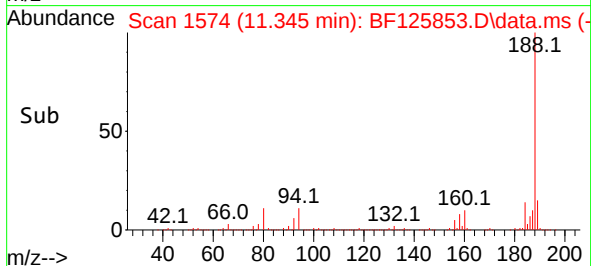
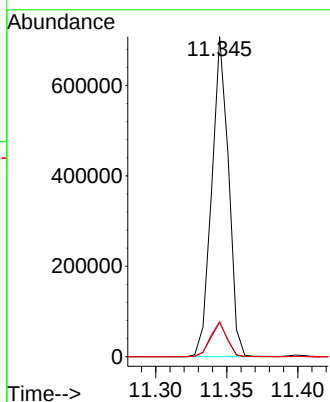
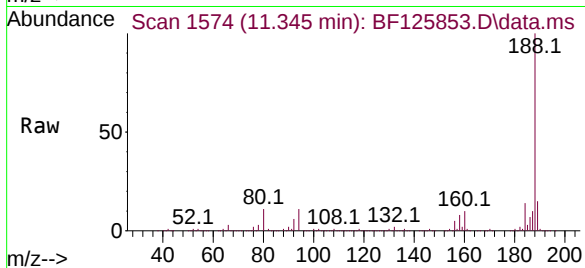




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

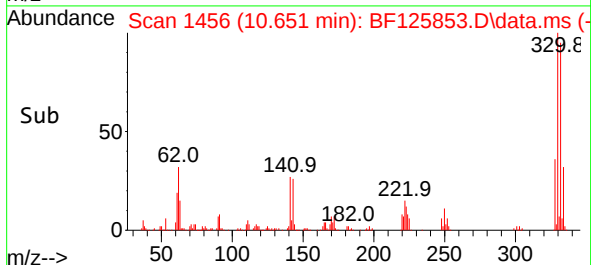
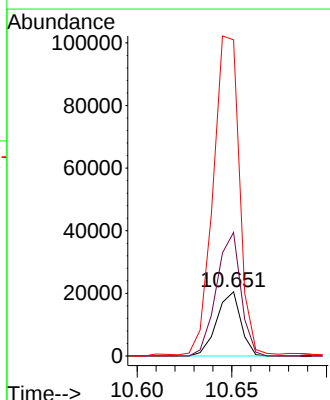
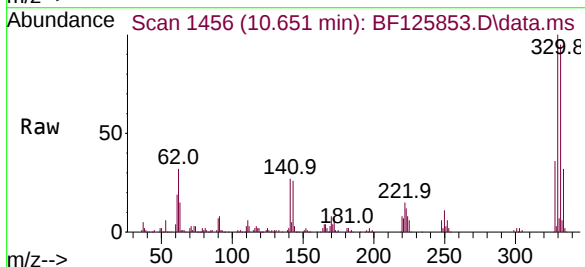
Instrument :
BNA_F
ClientSampled :
SP-01

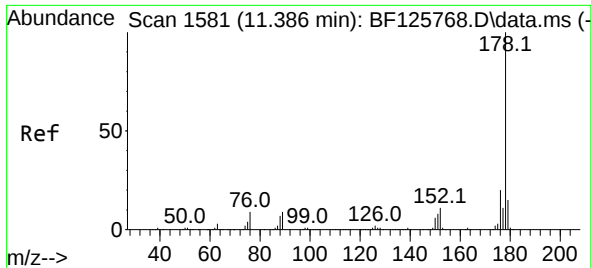
Tgt Ion:188 Resp: 582539
Ion Ratio Lower Upper
188 100
94 10.8 6.7 10.1#
80 10.9 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 2.811 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.259 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

Tgt Ion:248 Resp: 18138
Ion Ratio Lower Upper
248 100
250 192.2 74.2 111.4#
141 492.2 60.4 90.6#

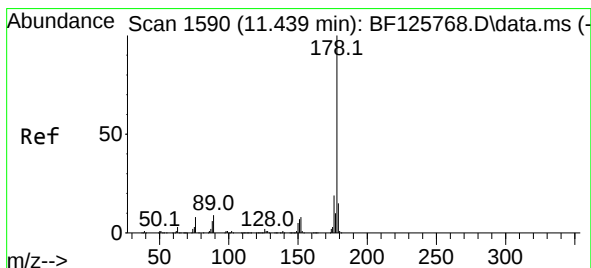
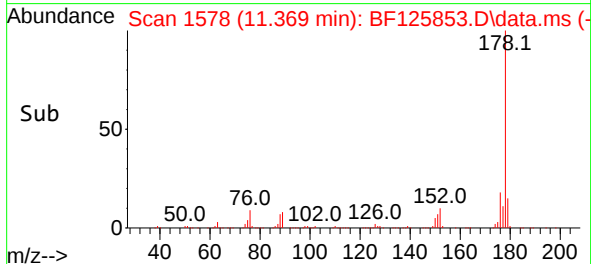
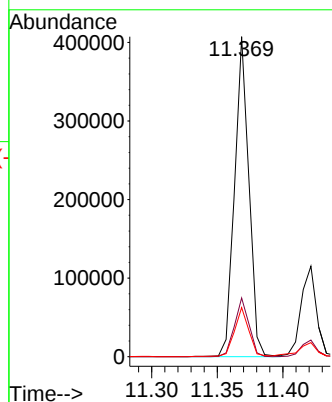
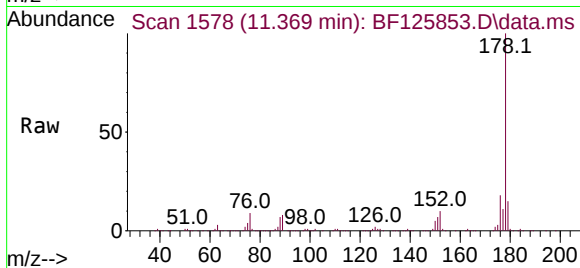




#71
Phenanthrene
Concen: 9.948 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.024 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

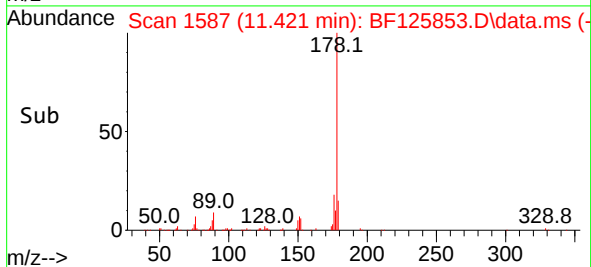
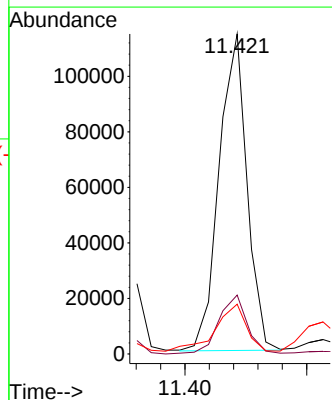
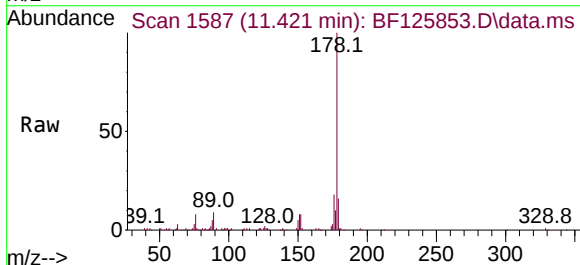
Instrument :
BNA_F
ClientSampleId :
SP-01

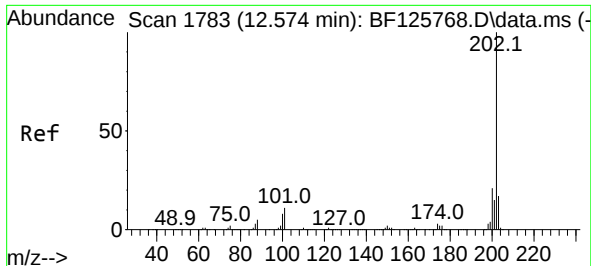
Tgt Ion:178 Resp: 310063
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.4 11.5 17.3



#72
Anthracene
Concen: 2.916 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

Tgt Ion:178 Resp: 90785
Ion Ratio Lower Upper
178 100
176 18.4 14.3 21.5
179 15.6 12.2 18.4

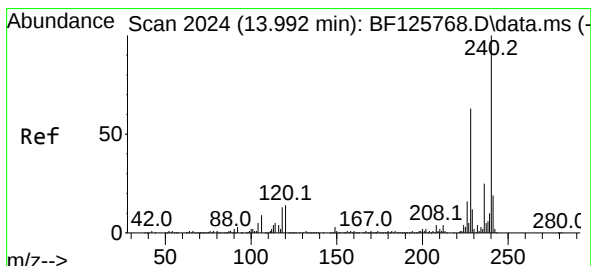
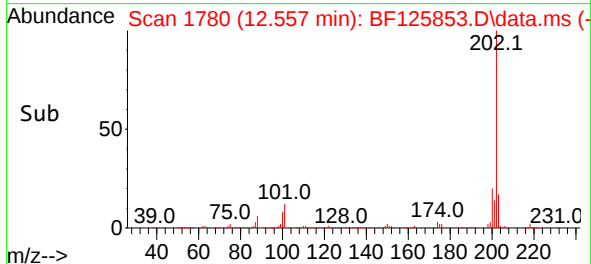
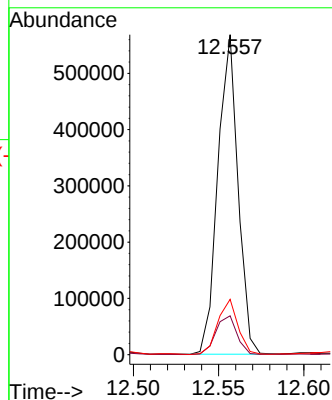
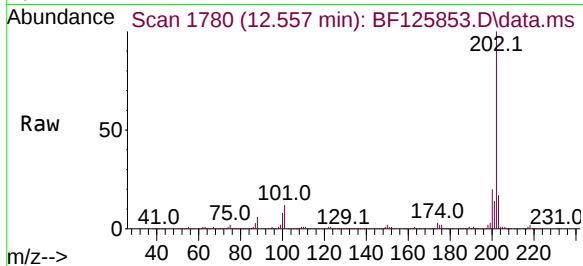




#75
Fluoranthene
Concen: 16.613 ng
RT: 12.557 min Scan# 1780
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

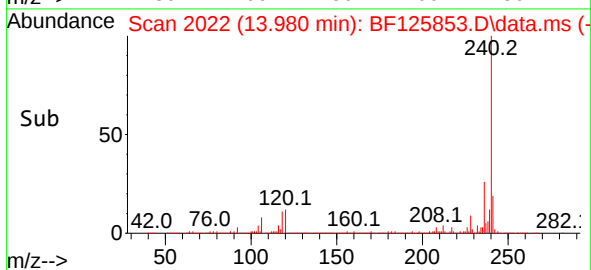
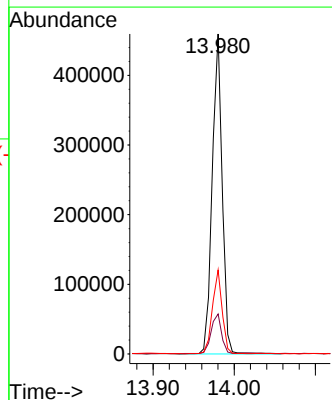
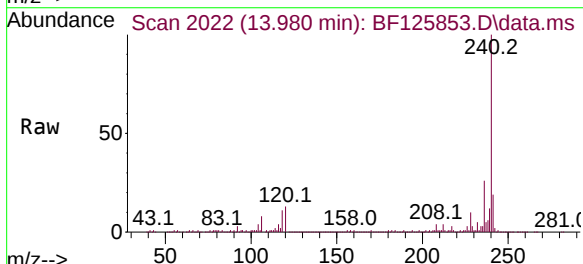
Instrument :
BNA_F
ClientSampleId :
SP-01

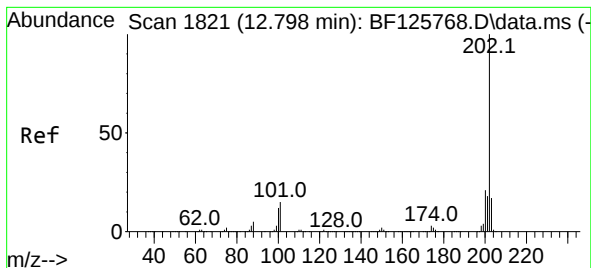
Tgt Ion:202 Resp: 467221
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.7
203 17.3 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

Tgt Ion:240 Resp: 391094
Ion Ratio Lower Upper
240 100
120 12.5 10.8 16.2
236 26.3 21.6 32.4





#78

Pyrene

Concen: 13.701 ng

RT: 12.786 min Scan# 1819

Delta R.T. -0.018 min

Lab File: BF125853.D

Acq: 14 Oct 2021 19:46

Tgt Ion:202 Resp: 544360

Ion Ratio Lower Upper

202 100

200 20.3 15.3 22.9

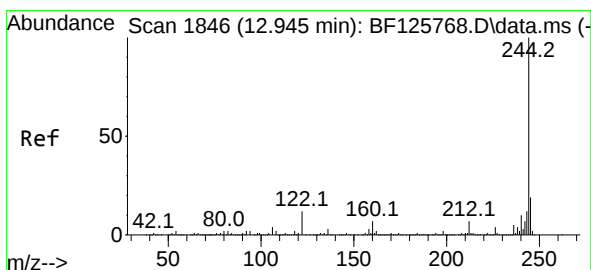
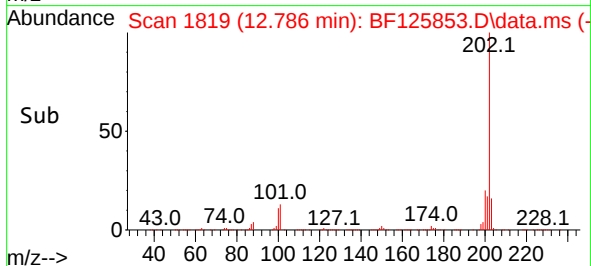
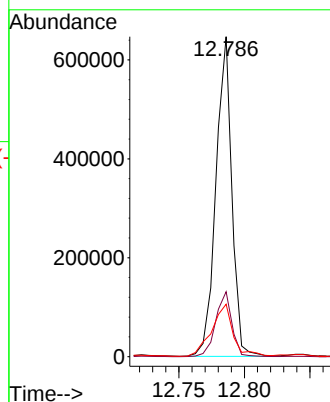
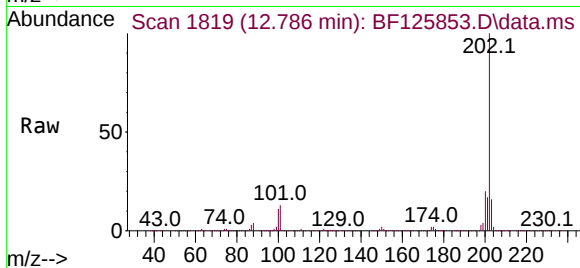
203 16.4 13.4 20.0

Instrument :

BNA_F

ClientSampleId :

SP-01



#79

Terphenyl-d14

Concen: 38.728 ng

RT: 12.927 min Scan# 1843

Delta R.T. -0.018 min

Lab File: BF125853.D

Acq: 14 Oct 2021 19:46

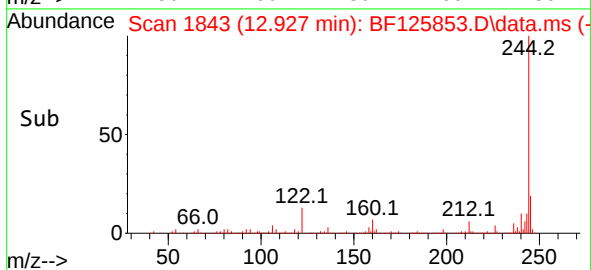
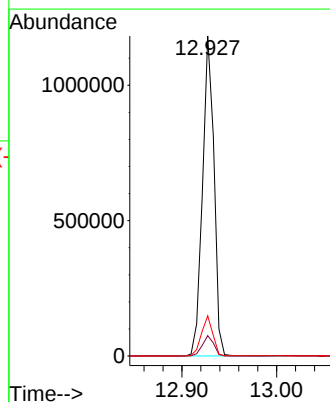
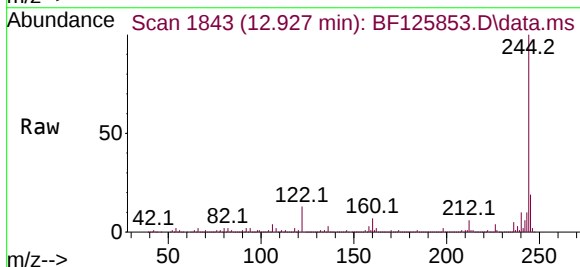
Tgt Ion:244 Resp: 994343

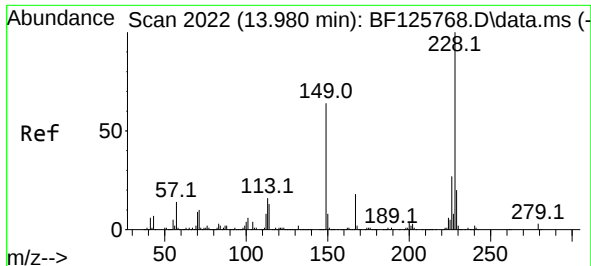
Ion Ratio Lower Upper

244 100

212 6.4 5.9 8.9

122 12.5 9.0 13.4

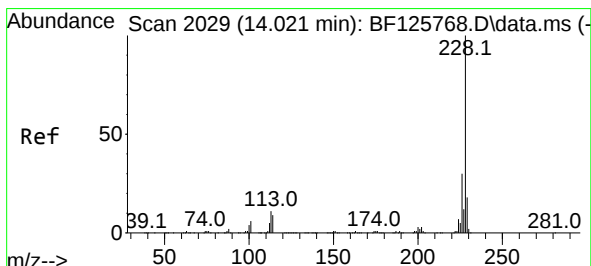
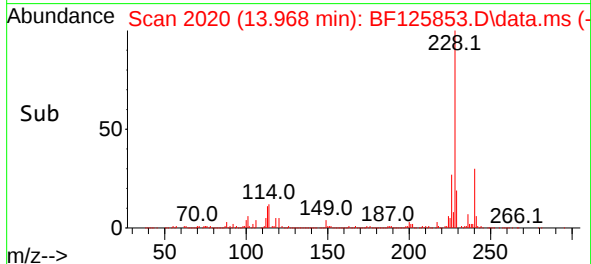
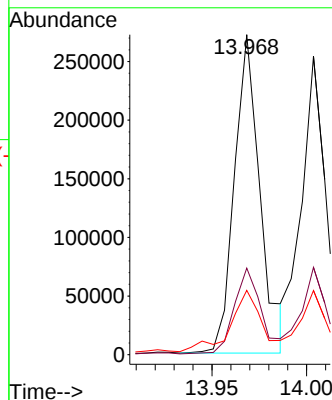
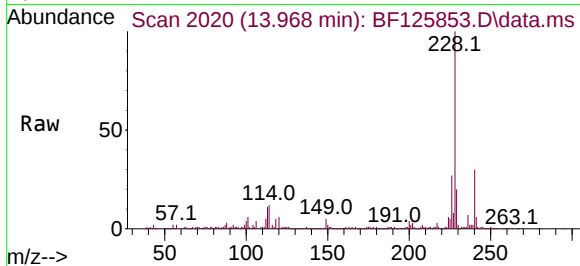




#81
Benzo(a)anthracene
Concen: 10.093 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

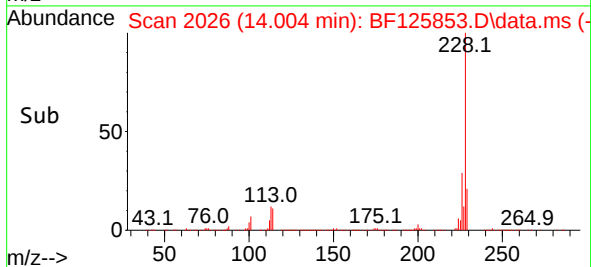
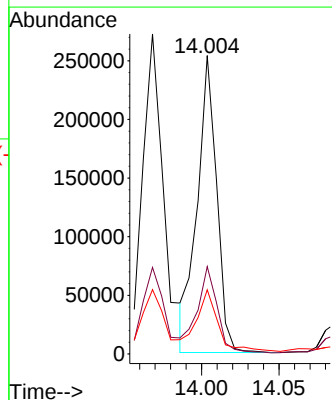
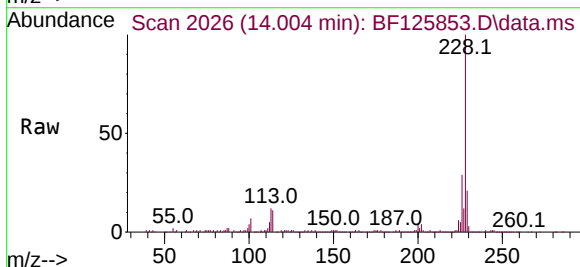
Instrument :
BNA_F
ClientSampled :
SP-01

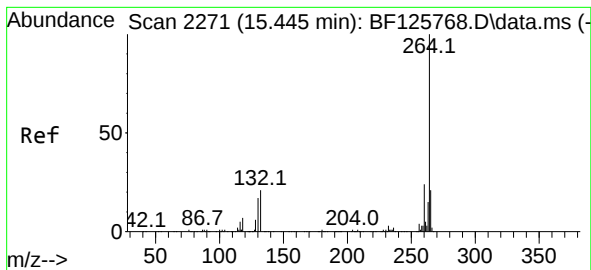
Tgt Ion:228 Resp: 256094
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 20.1 15.6 23.4



#83
Chrysene
Concen: 8.809 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.024 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

Tgt Ion:228 Resp: 220918
Ion Ratio Lower Upper
228 100
226 29.3 22.6 34.0
229 21.5 15.9 23.9

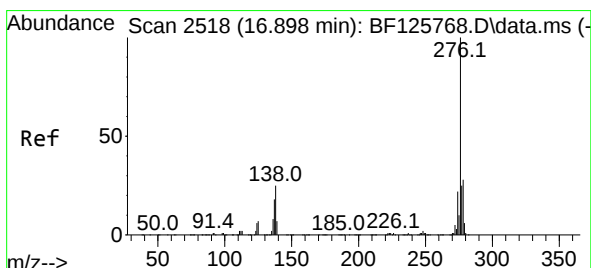
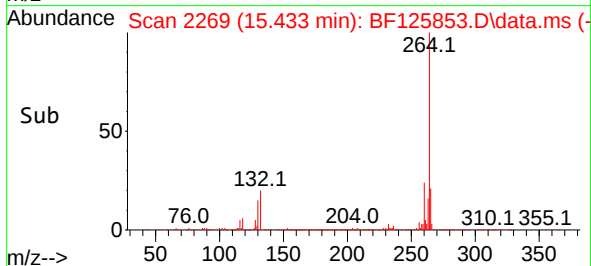
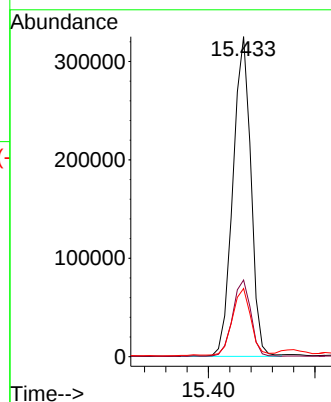
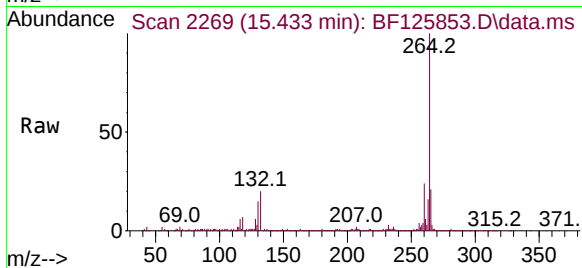




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

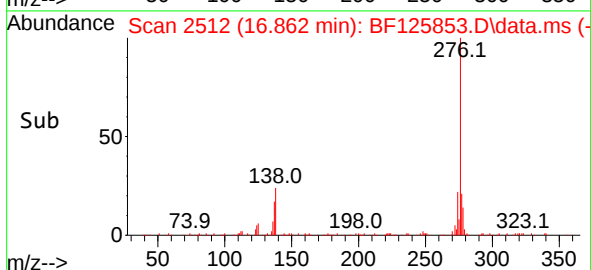
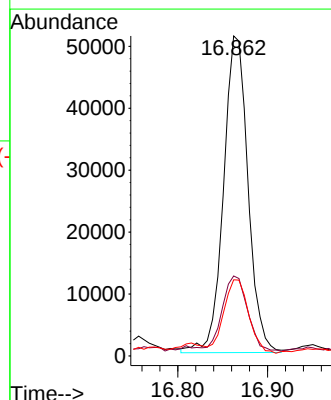
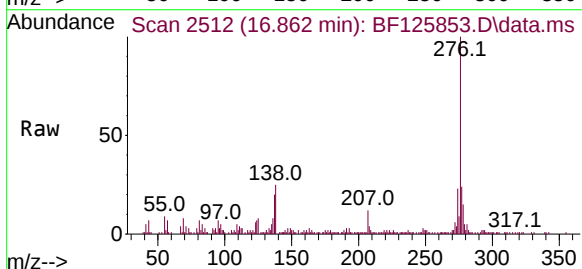
Instrument :
BNA_F
ClientSampleId :
SP-01

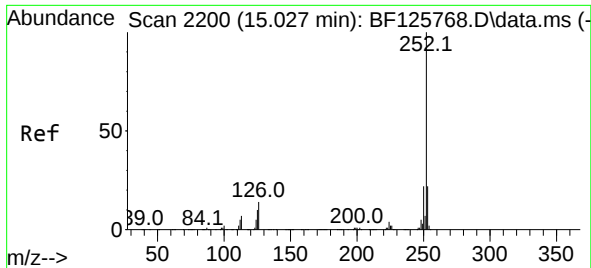
Tgt Ion:	264	Resp:	380197
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.6	29.4
265	21.3	17.2	25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.346 ng
RT: 16.862 min Scan# 2512
Delta R.T. -0.047 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

Tgt Ion:	276	Resp:	97101
Ion Ratio	Lower	Upper	
276	100		
138	24.3	24.1	36.1
277	23.5	18.8	28.2

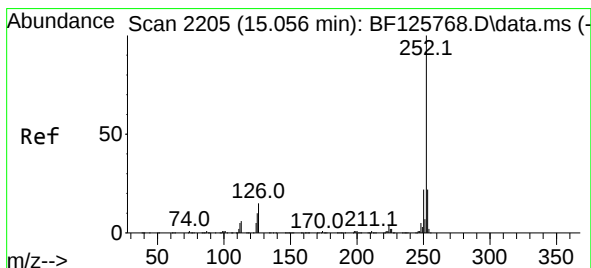
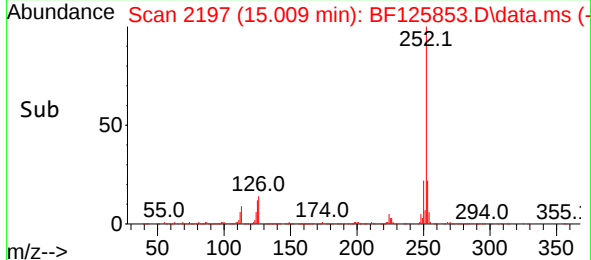
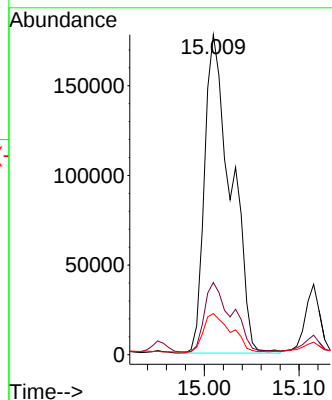
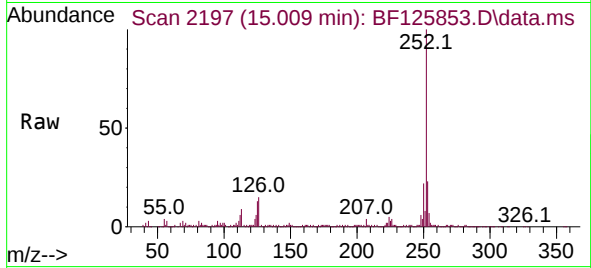




#88
Benzo(b)fluoranthene
Concen: 16.154 ng
RT: 15.009 min Scan# 2197
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

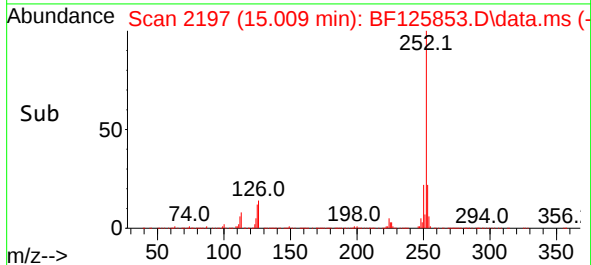
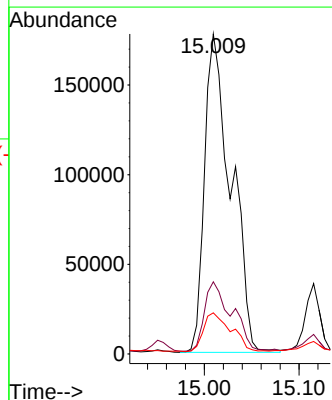
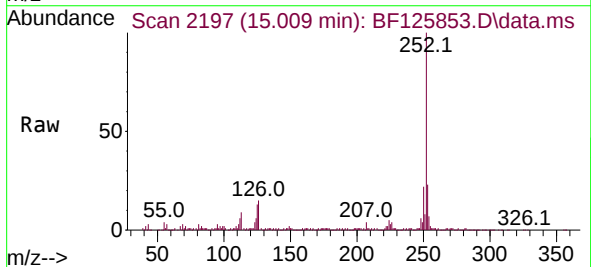
Instrument :
BNA_F
ClientSampleId :
SP-01

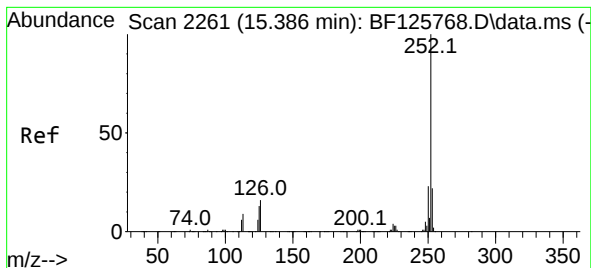
Tgt Ion:252 Resp: 346742
Ion Ratio Lower Upper
252 100
253 22.6 16.8 25.2
125 12.8 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 15.734 ng
RT: 15.009 min Scan# 2197
Delta R.T. -0.053 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

Tgt Ion:252 Resp: 346742
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 12.8 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 10.196 ng

RT: 15.368 min Scan# 2258

Delta R.T. -0.024 min

Lab File: BF125853.D

Acq: 14 Oct 2021 19:46

Tgt Ion:252 Resp: 193802

Ion Ratio Lower Upper

252 100

253 23.0 18.4 27.6

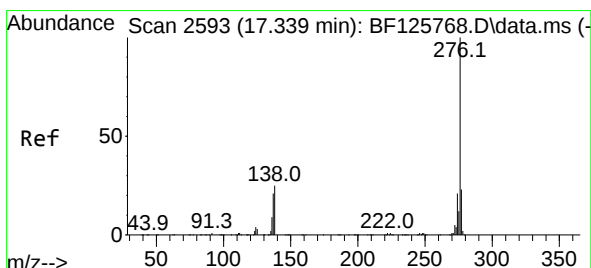
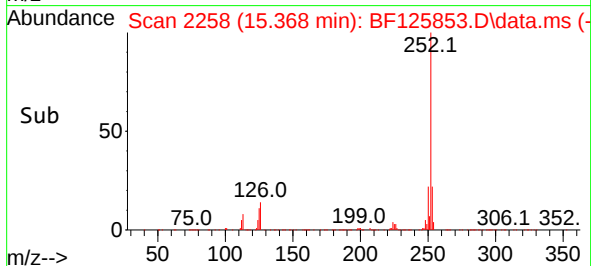
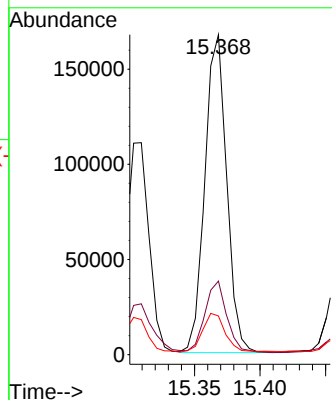
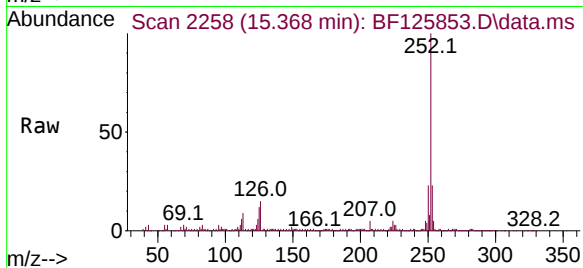
125 12.1 9.9 14.9

Instrument :

BNA_F

ClientSampleId :

SP-01



#92

Benzo(g,h,i)perylene

Concen: 3.693 ng

RT: 17.298 min Scan# 2586

Delta R.T. -0.053 min

Lab File: BF125853.D

Acq: 14 Oct 2021 19:46

Tgt Ion:276 Resp: 90272

Ion Ratio Lower Upper

276 100

277 25.0 22.0 33.0

138 27.1 22.2 33.4

