

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126367.D
 Acq On : 27 Dec 2021 21:12
 Operator : JU/CG
 Sample : M5230-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC124042

Quant Time: Dec 28 06:00:33 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)

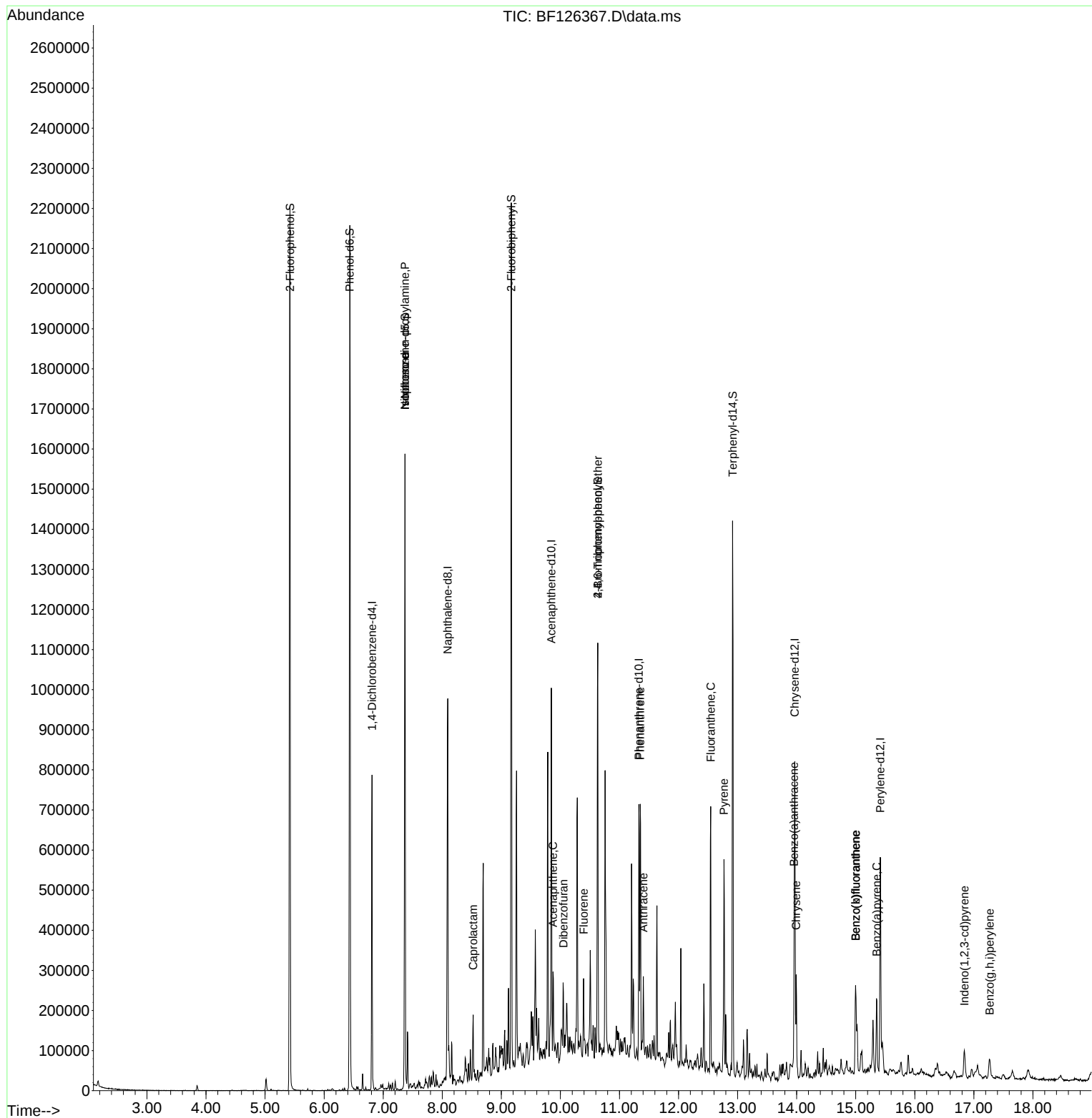
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	107618	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	409826	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	168243	20.000	ng	-0.01
64) Phenanthrene-d10	11.328	188	228811	20.000	ng	#-0.01
76) Chrysene-d12	13.969	240	199448	20.000	ng	#-0.01
86) Perylene-d12	15.415	264	226136	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	674228	92.262	ng	0.00
7) Phenol-d6	6.434	99	840576	90.589	ng	-0.01
23) Nitrobenzene-d5	7.369	82	507367	67.049	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	118487	87.633	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	606687	63.245	ng	-0.01
79) Terphenyl-d14	12.916	244	438292	38.196	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	64799	11.376	ng	# 56
25) Isophorone	7.369	82	507361	35.505	ng	# 59
35) Caprolactam	8.522	113	3088	2.417	ng	# 1
52) Acenaphthene	9.875	154	45216	4.875	ng	98
55) Dibenzofuran	10.051	168	32333	2.560	ng	97
58) Fluorene	10.392	166	40691	4.451	ng	99
67) 4-Bromophenyl-phenylether	10.633	248	6606	3.076	ng	# 1
71) Phenanthrene	11.351	178	235241	19.919	ng	99
72) Anthracene	11.404	178	68136	5.748	ng	99
75) Fluoranthene	12.545	202	249529	23.452	ng	96
78) Pyrene	12.769	202	209216	11.418	ng	98
81) Benzo(a)anthracene	13.957	228	101850	8.621	ng	98
83) Chrysene	13.992	228	90633	7.384	ng	99
87) Indeno(1,2,3-cd)pyrene	16.839	276	44370	2.942	ng	95
88) Benzo(b)fluoranthene	14.998	252	157197	11.569	ng	96
89) Benzo(k)fluoranthene	14.998	252	157197	12.094	ng	# 95
90) Benzo(a)pyrene	15.357	252	87907	7.784	ng	# 97
92) Benzo(g,h,i)perylene	17.268	276	38688	3.050	ng	93

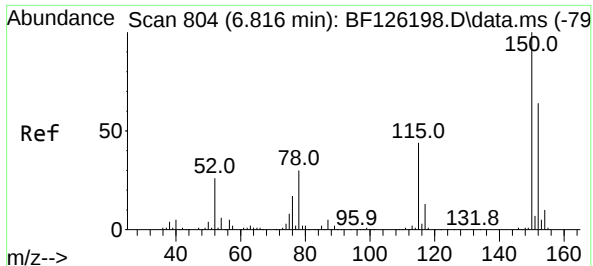
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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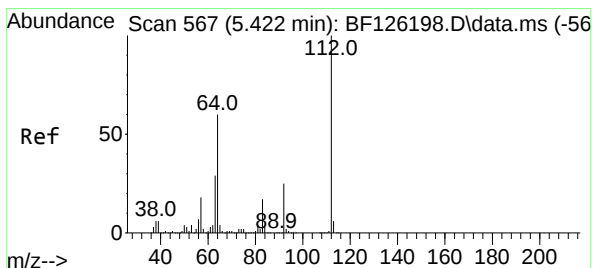
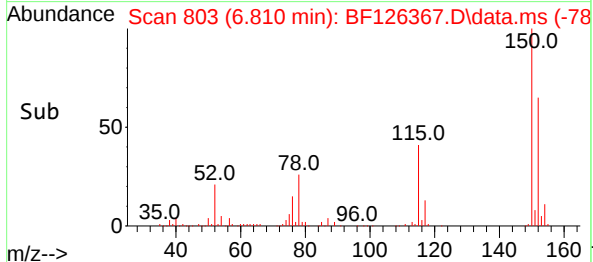
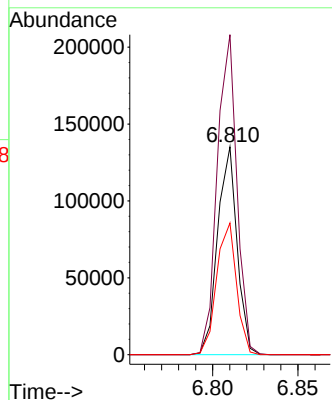
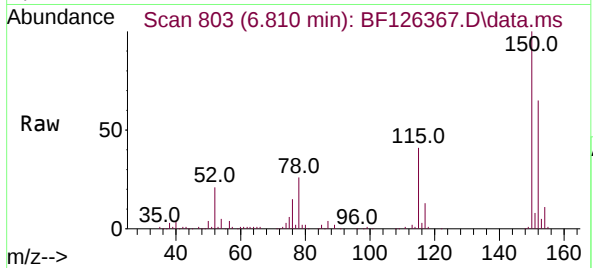




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

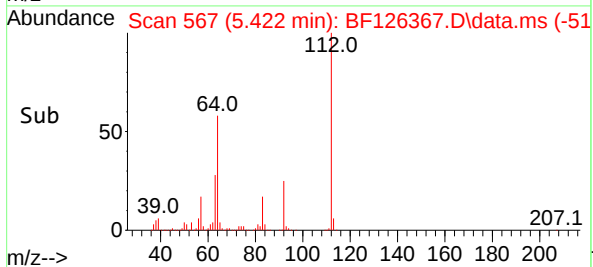
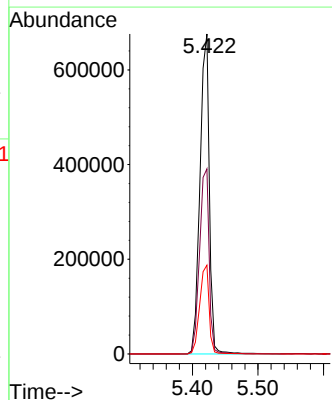
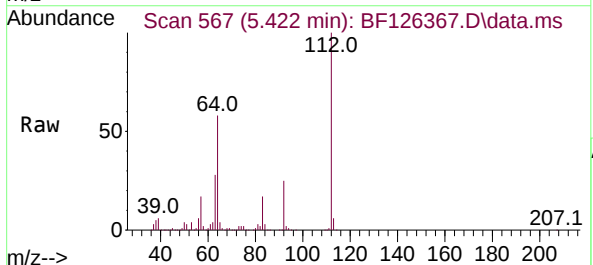
Instrument :
BNA_F
ClientSampleId :
PSC124042

Tgt Ion:152 Resp: 107618
Ion Ratio Lower Upper
152 100
150 153.9 117.6 176.4
115 63.3 47.1 70.7



#5
2-Fluorophenol
Concen: 92.262 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:112 Resp: 674228
Ion Ratio Lower Upper
112 100
64 57.9 44.2 66.2
63 27.7 26.2 39.2

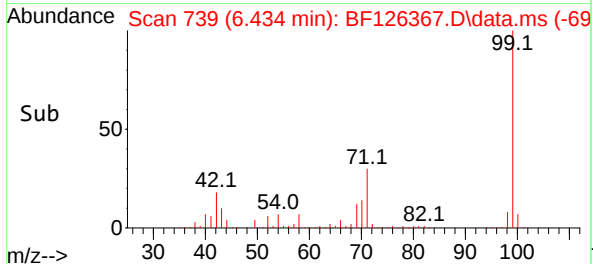
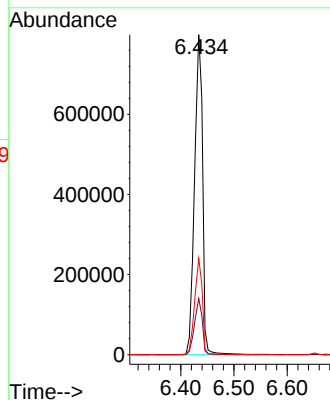
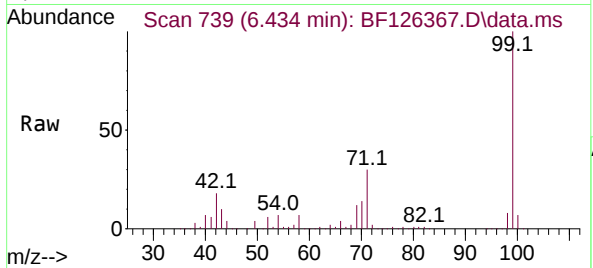




#7
Phenol-d6
Concen: 90.589 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

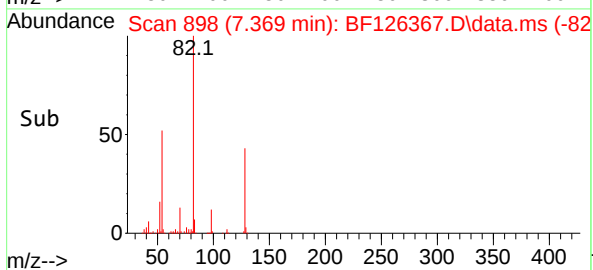
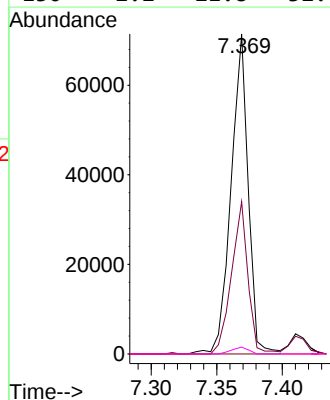
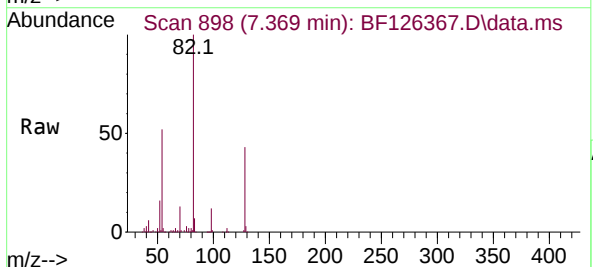
Instrument :
BNA_F
ClientSampleId :
PSC124042

Tgt Ion: 99 Resp: 840576
Ion Ratio Lower Upper
99 100
42 17.6 23.5 35.3#
71 30.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.376 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.135 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion: 70 Resp: 64799
Ion Ratio Lower Upper
70 100
42 47.6 72.2 108.2#
101 0.0 7.8 11.8#
130 2.2 21.8 32.6#



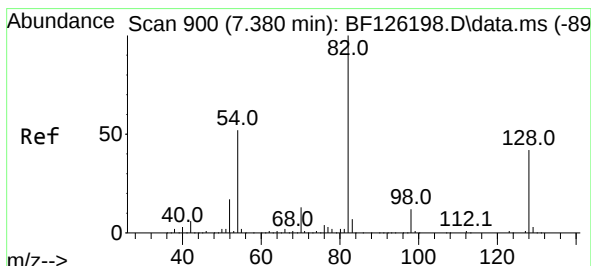
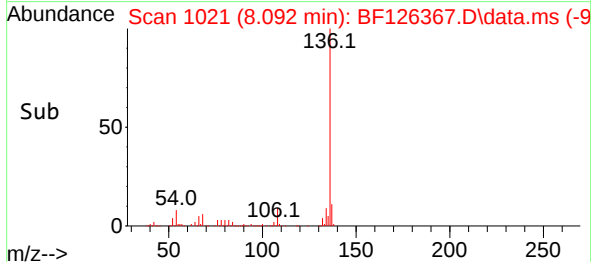
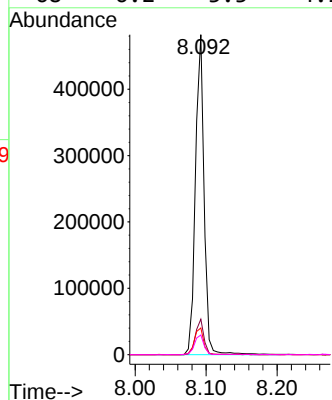
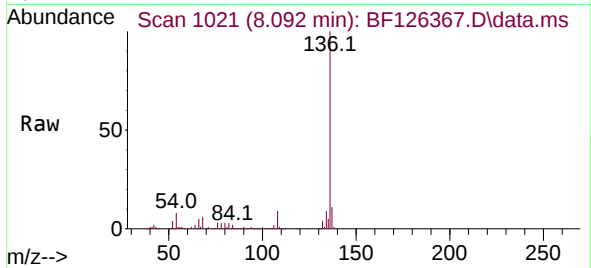


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Instrument :
BNA_F
ClientSampleId :
PSC124042

Tgt Ion:136 Resp: 409826

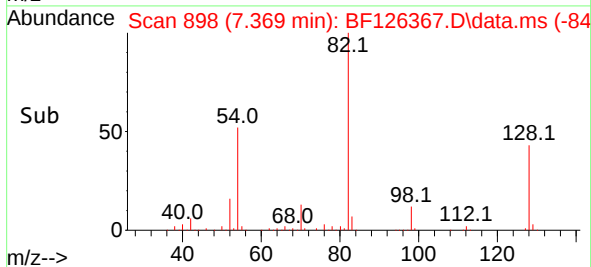
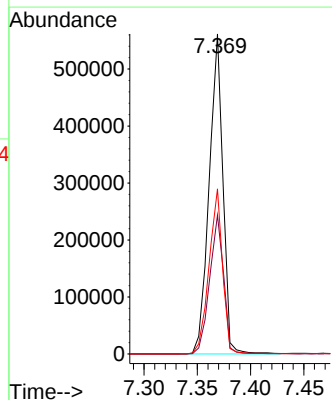
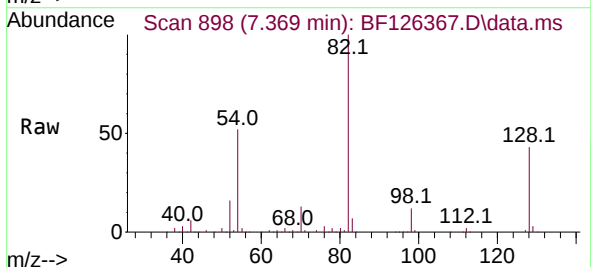
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	8.3	6.4	9.6
68	6.2	3.3	4.9

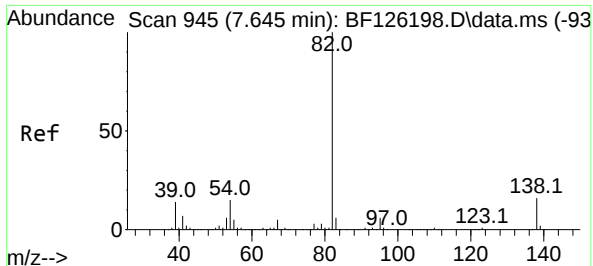


#23
Nitrobenzene-d5
Concen: 67.049 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion: 82 Resp: 507367

Ion	Ratio	Lower	Upper
82	100		
128	43.4	40.6	60.8
54	51.6	49.6	74.4

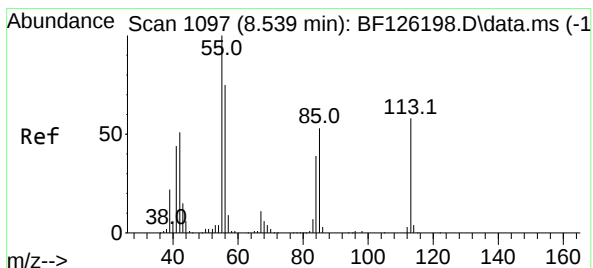
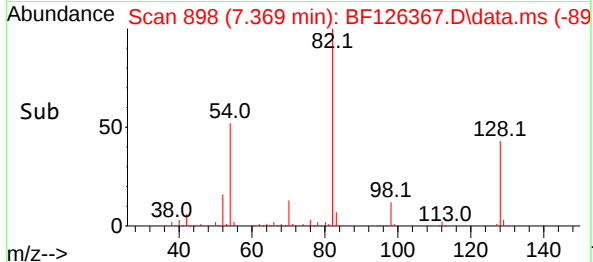
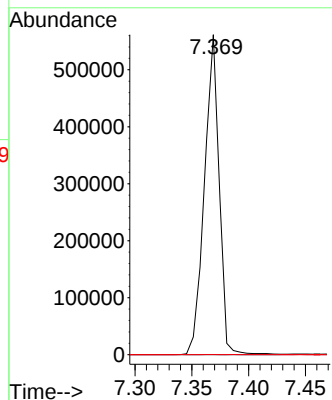
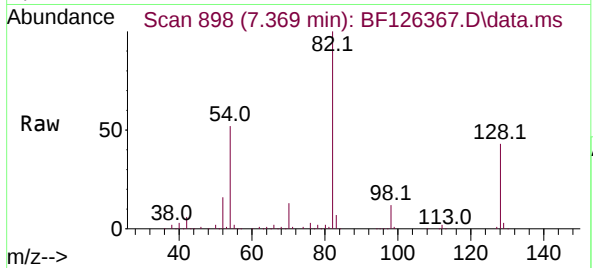




#25
Isophorone
Concen: 35.505 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

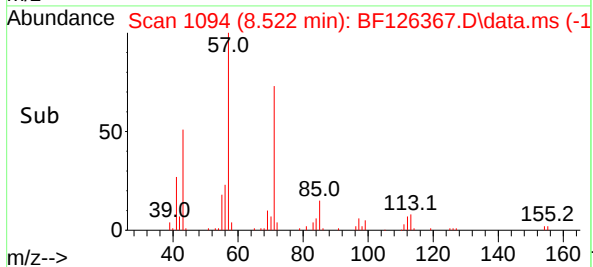
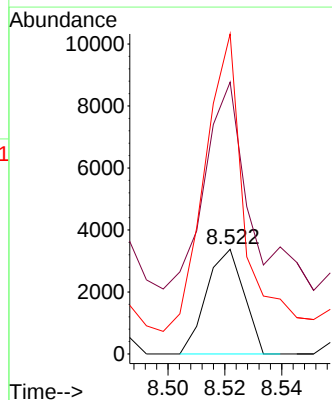
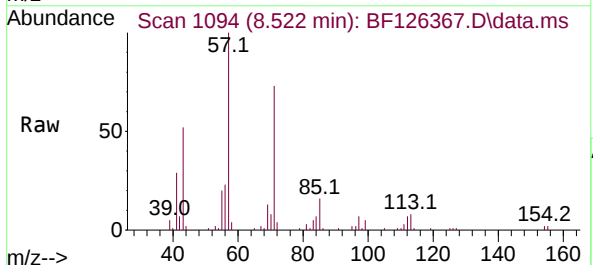
Instrument :
BNA_F
ClientSampleId :
PSC124042

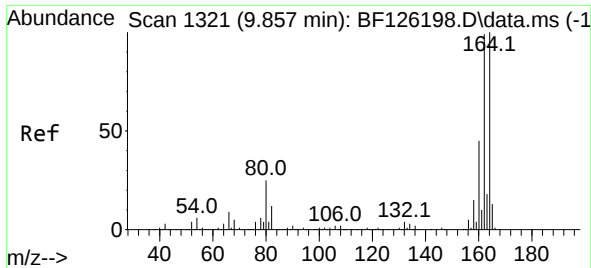
Tgt Ion: 82 Resp: 507361
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#35
Caprolactam
Concen: 2.417 ng
RT: 8.522 min Scan# 1094
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion: 113 Resp: 3088
Ion Ratio Lower Upper
113 100
55 259.7 154.1 194.1#
56 305.7 108.7 148.7#

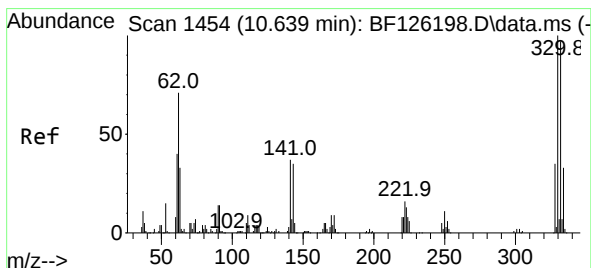
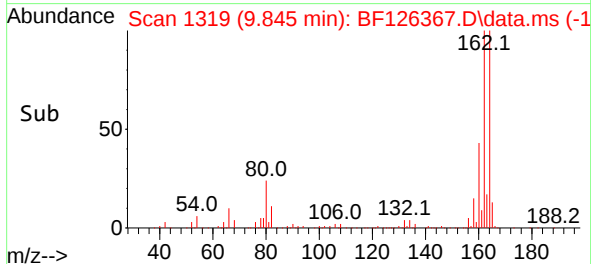
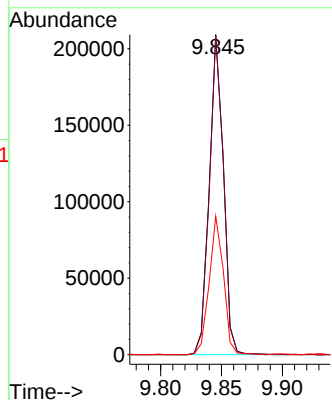
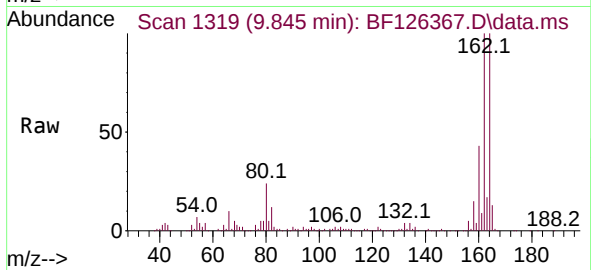




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

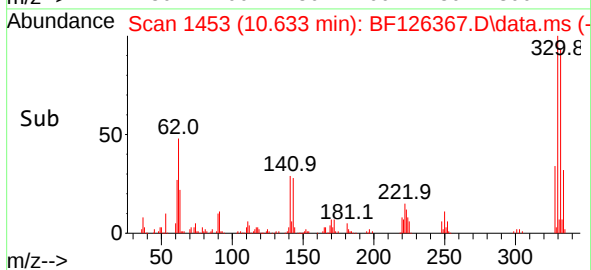
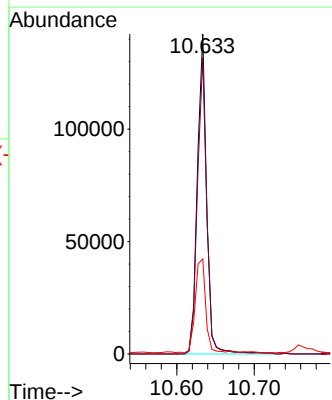
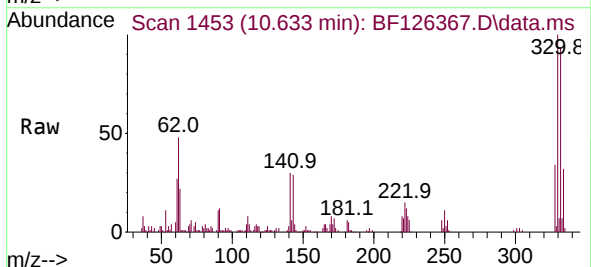
Instrument :
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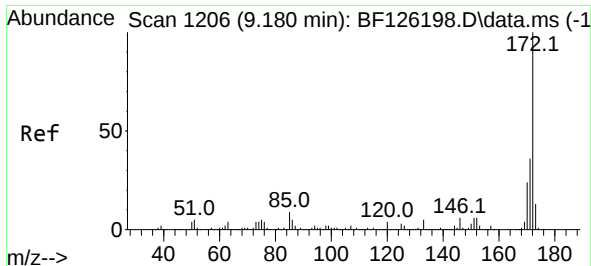
Tgt Ion:164 Resp: 168243
Ion Ratio Lower Upper
164 100
162 99.6 81.3 121.9
160 43.3 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 87.633 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:330 Resp: 118487
Ion Ratio Lower Upper
330 100
332 93.5 76.2 114.4
141 32.6 44.6 66.8#

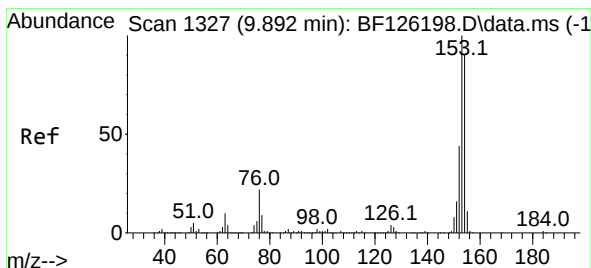
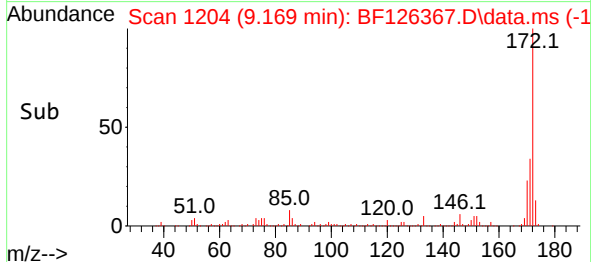
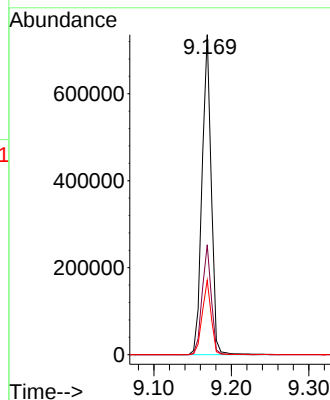
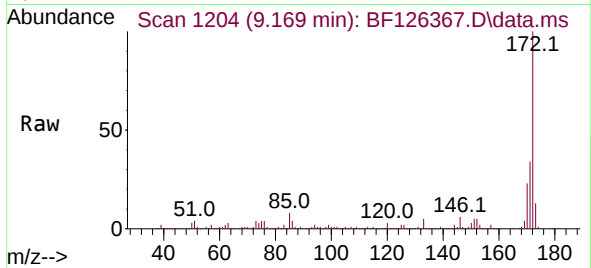




#45
2-Fluorobiphenyl
Concen: 63.245 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

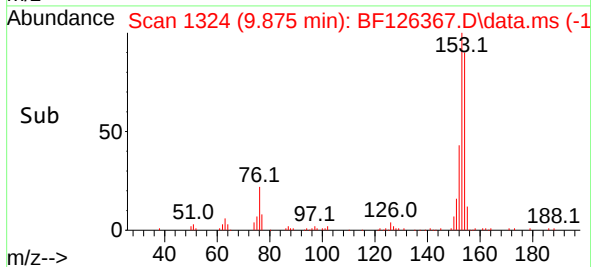
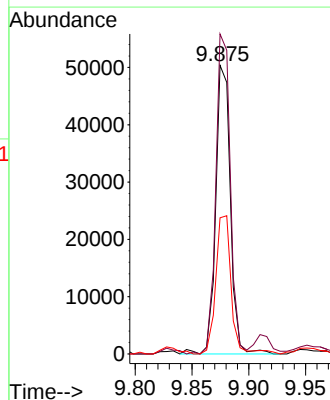
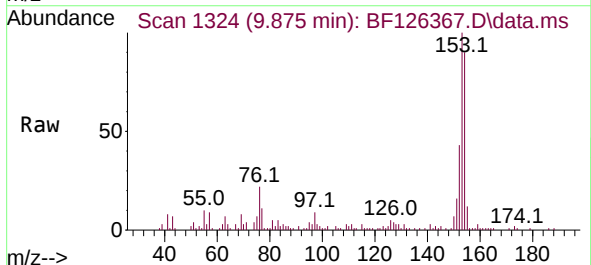
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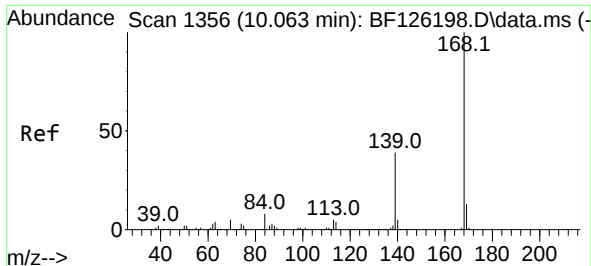
Tgt Ion:172 Resp: 606687
Ion Ratio Lower Upper
172 100
171 34.4 26.5 39.7
170 23.3 18.8 28.2



#52
Acenaphthene
Concen: 4.875 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.018 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:154 Resp: 45216
Ion Ratio Lower Upper
154 100
153 110.9 89.4 134.2
152 47.2 40.5 60.7

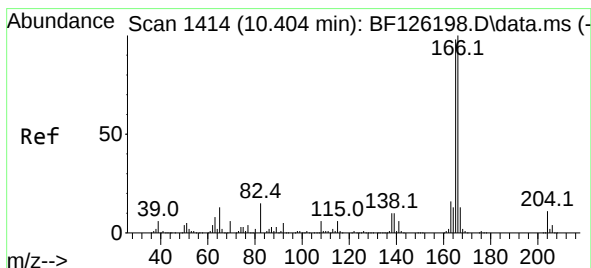
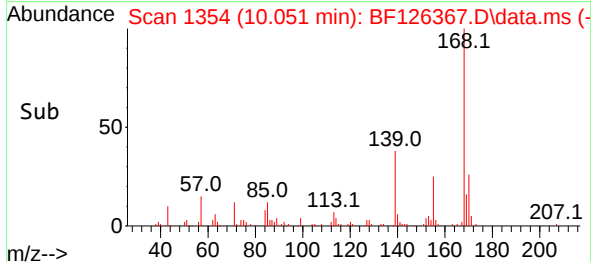
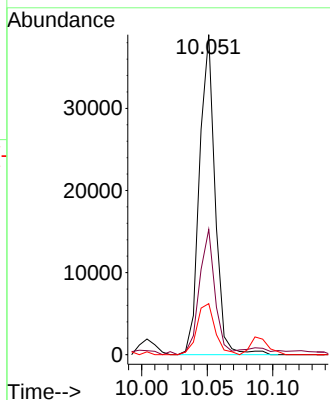
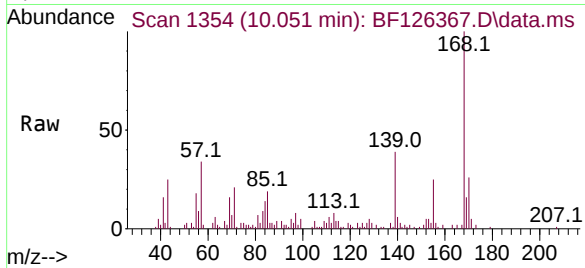




#55
Dibenzenofuran
Concen: 2.560 ng
RT: 10.051 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

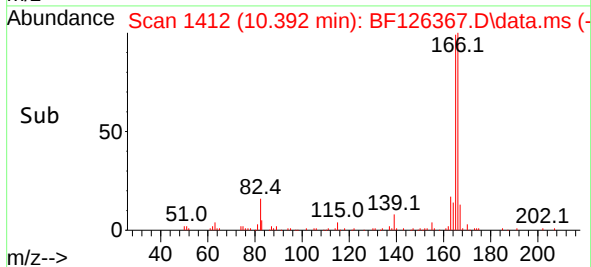
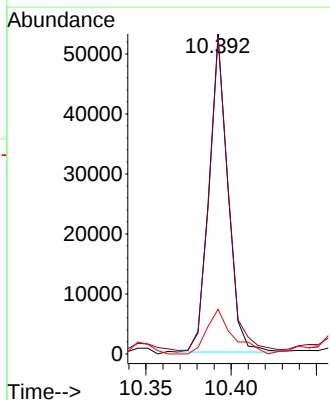
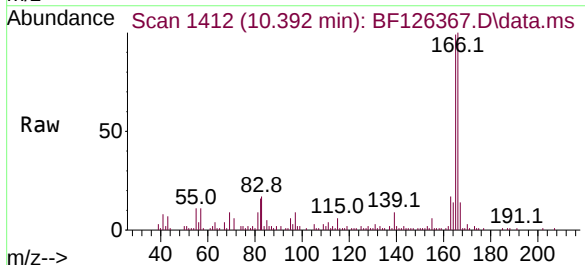
Instrument :
BNA_F
ClientSampleId :
PSC124042

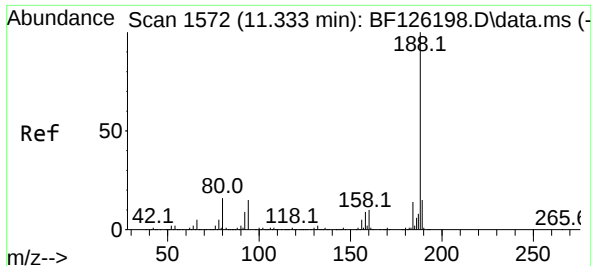
Tgt Ion:168 Resp: 32333
Ion Ratio Lower Upper
168 100
139 39.2 32.7 49.1
169 15.9 11.2 16.8



#58
Fluorene
Concen: 4.451 ng
RT: 10.392 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:166 Resp: 40691
Ion Ratio Lower Upper
166 100
165 98.9 78.1 117.1
167 14.0 11.1 16.7

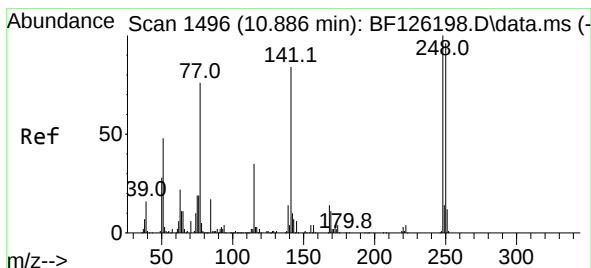
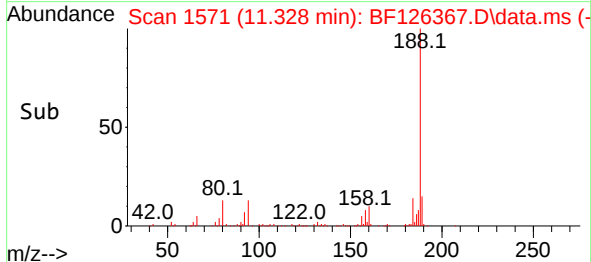
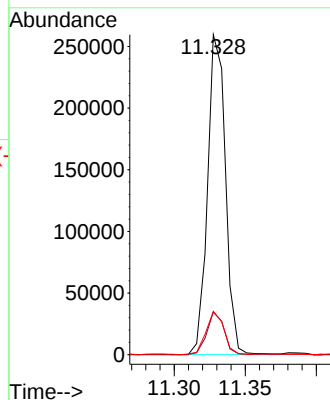
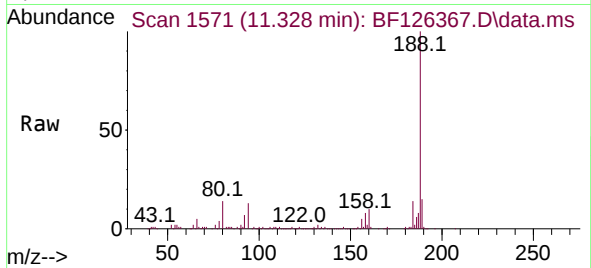




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

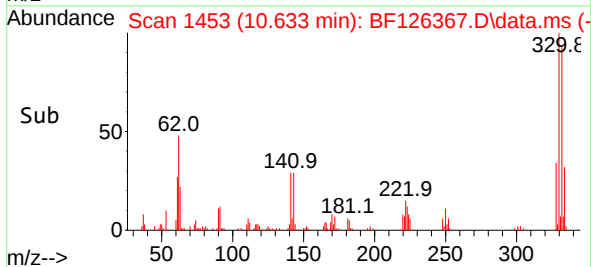
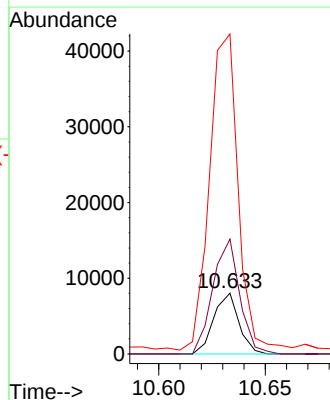
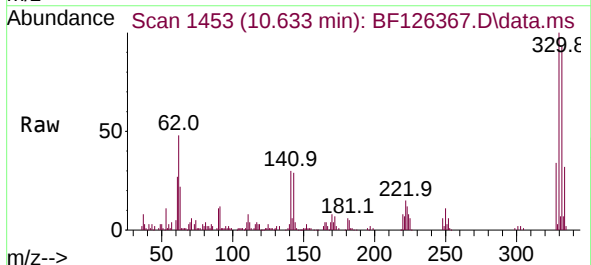
Instrument :
BNA_F
ClientSampleId :
PSC124042

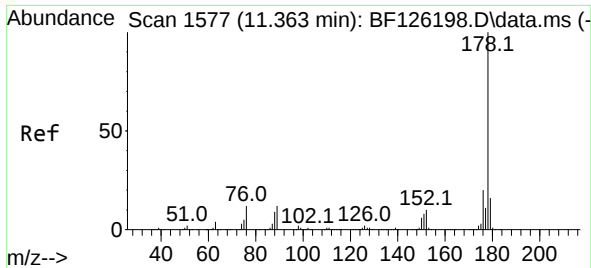
Tgt Ion:188 Resp: 228811
Ion Ratio Lower Upper
188 100
94 13.3 6.7 10.1#
80 13.5 7.5 11.3#



#67
4-Bromophenyl-phenylether
Concen: 3.076 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.253 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:248 Resp: 6606
Ion Ratio Lower Upper
248 100
250 188.8 74.2 111.4#
141 526.1 60.4 90.6#

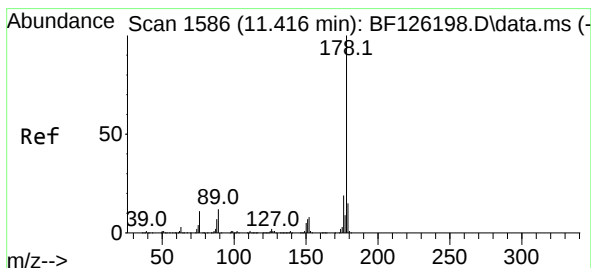
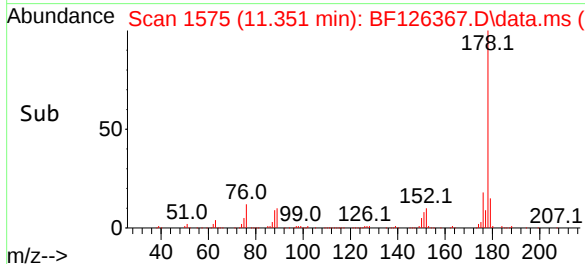
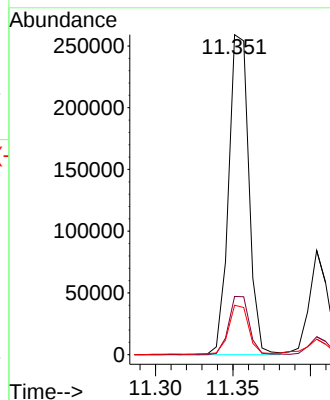
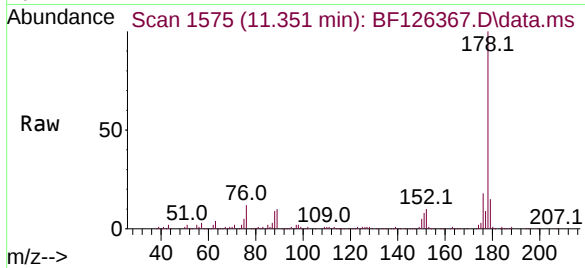




#71
Phenanthrene
Concen: 19.919 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

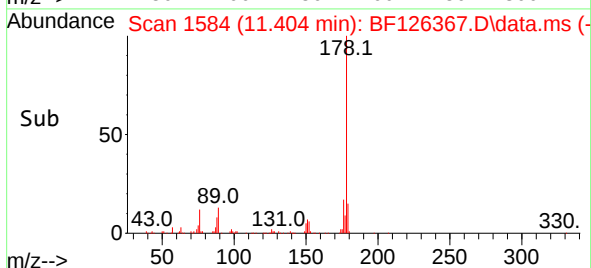
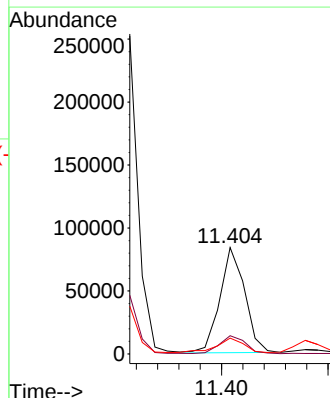
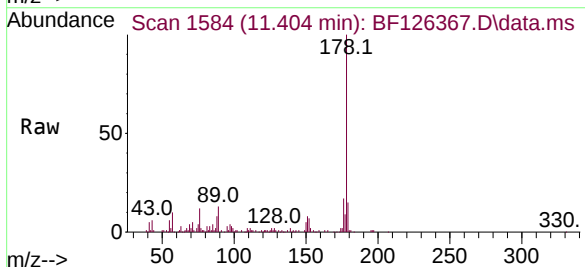
Instrument :
BNA_F
ClientSampleId :
PSC124042

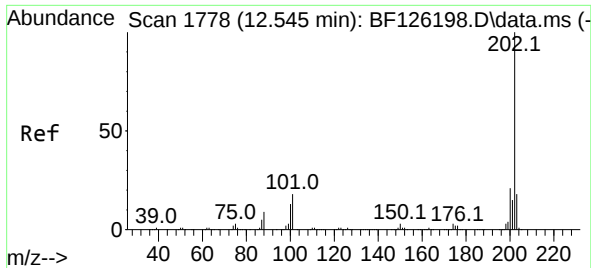
Tgt Ion:178 Resp: 235241
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 15.4 11.5 17.3



#72
Anthracene
Concen: 5.748 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:178 Resp: 68136
Ion Ratio Lower Upper
178 100
176 17.2 14.3 21.5
179 14.9 12.2 18.4

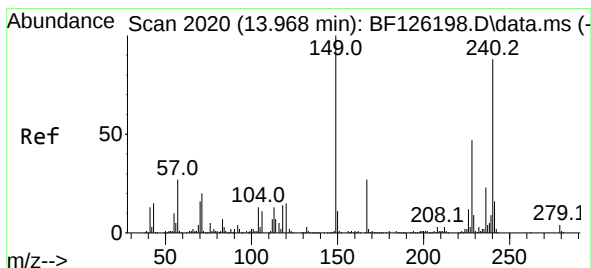
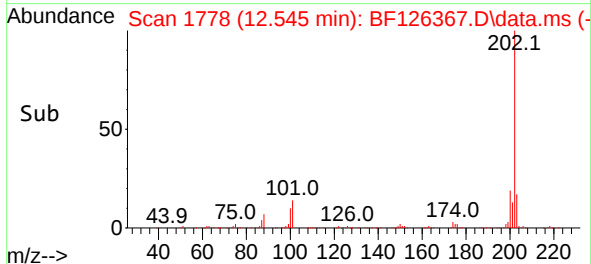
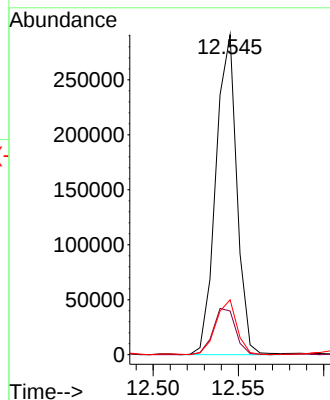
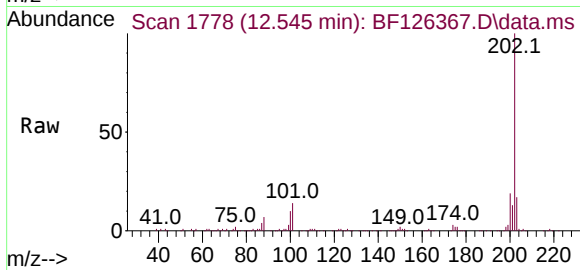




#75
Fluoranthene
Concen: 23.452 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

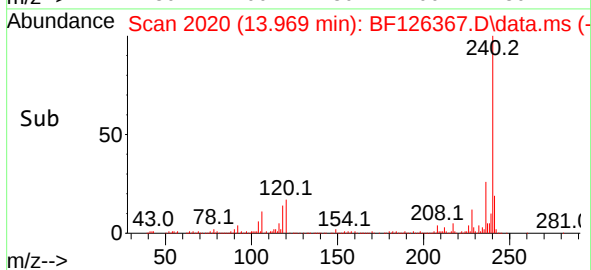
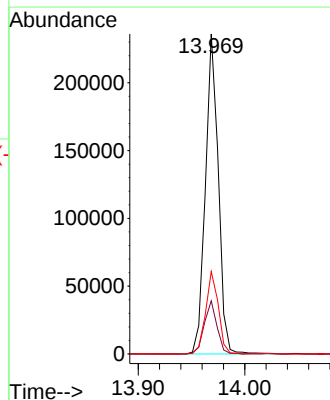
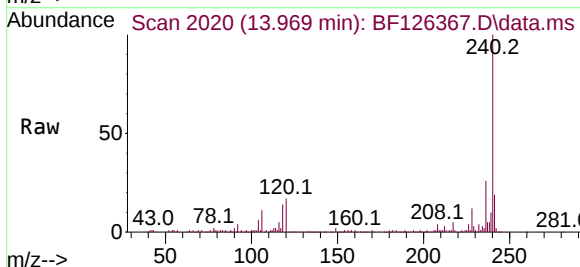
Instrument :
BNA_F
ClientSampleId :
PSC124042

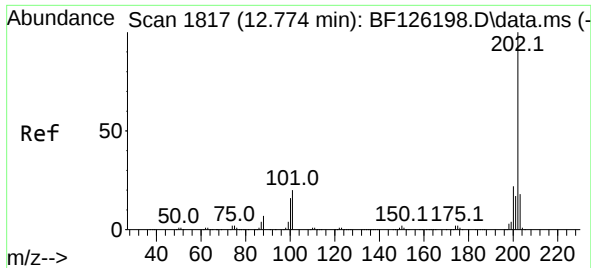
Tgt Ion:202 Resp: 249529
Ion Ratio Lower Upper
202 100
101 13.6 0.0 30.7
203 17.1 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:240 Resp: 199448
Ion Ratio Lower Upper
240 100
120 16.6 10.8 16.2#
236 25.7 21.6 32.4

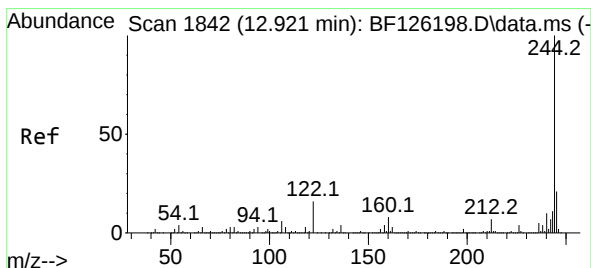
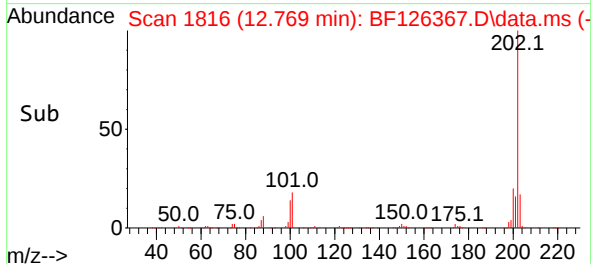
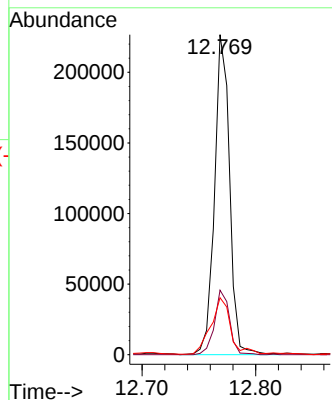
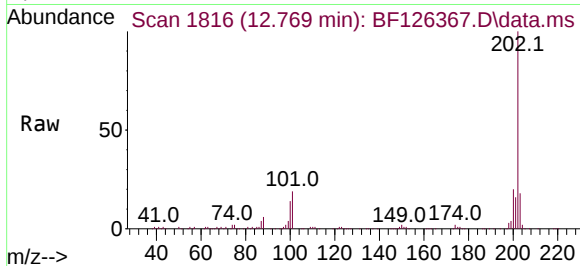




#78
Pyrene
Concen: 11.418 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

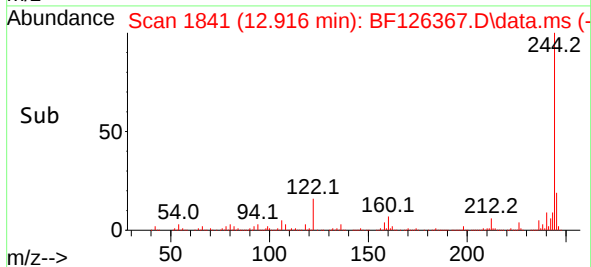
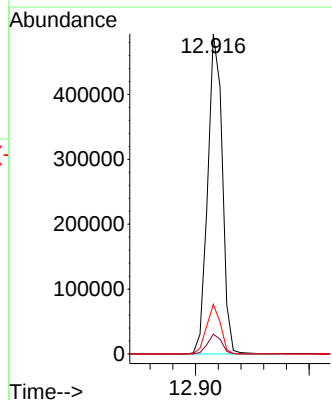
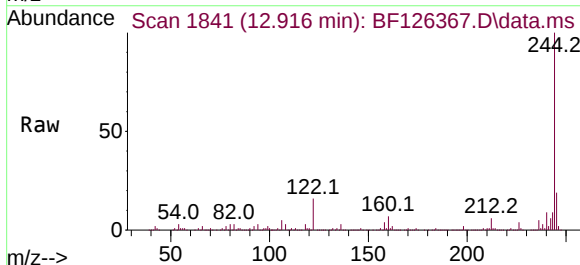
Instrument :
BNA_F
ClientSampleId :
PSC124042

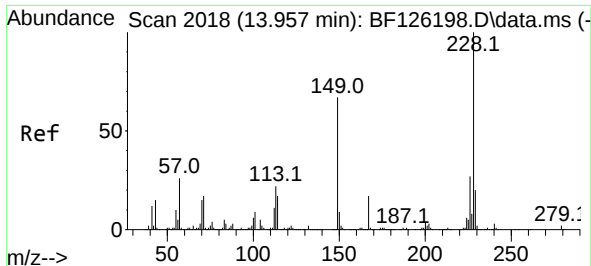
Tgt Ion:202 Resp: 209216
Ion Ratio Lower Upper
202 100
200 20.2 15.3 22.9
203 17.8 13.4 20.0



#79
Terphenyl-d14
Concen: 38.196 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:244 Resp: 438292
Ion Ratio Lower Upper
244 100
212 6.2 5.9 8.9
122 15.5 9.0 13.4#

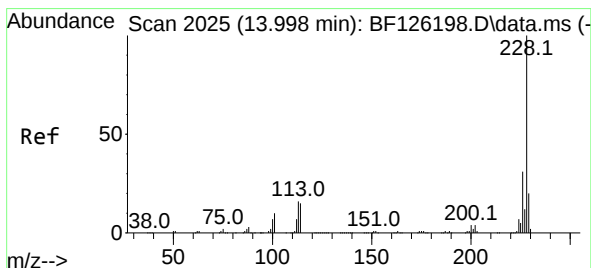
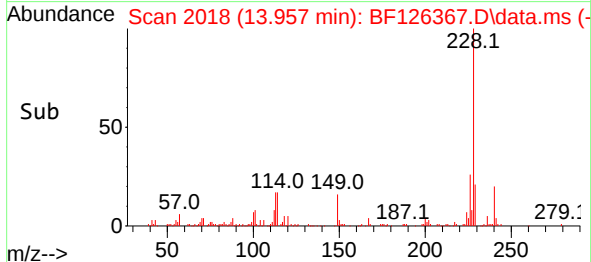
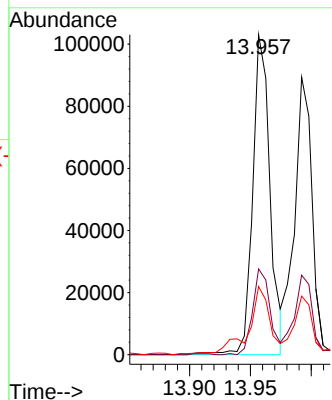
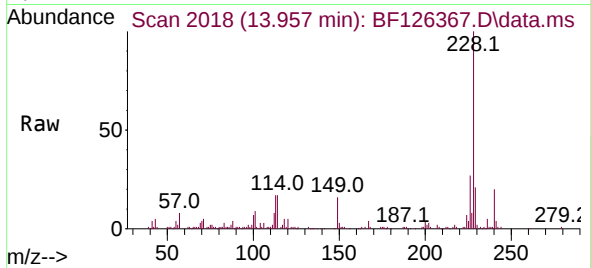




#81
Benzo(a)anthracene
Concen: 8.621 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

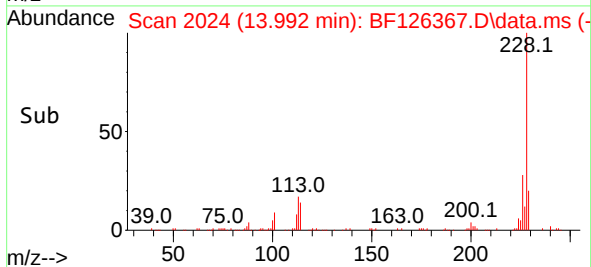
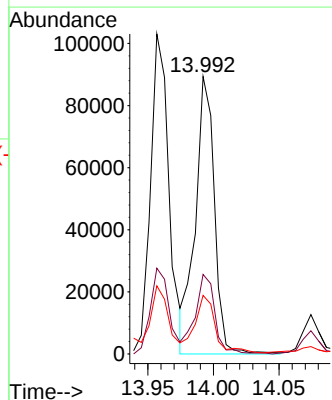
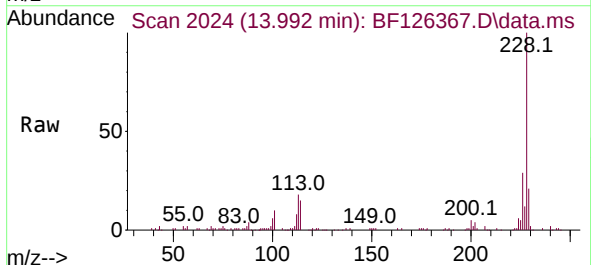
Instrument :
BNA_F
ClientSampleId :
PSC124042

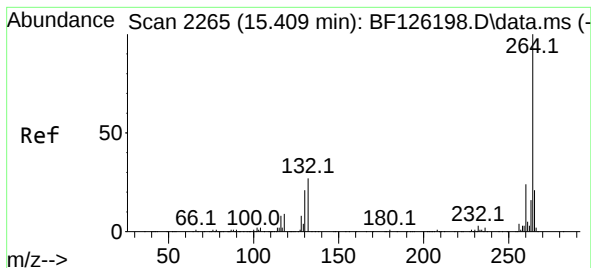
Tgt Ion:228 Resp: 101850
Ion Ratio Lower Upper
228 100
226 26.8 21.6 32.4
229 21.3 15.6 23.4



#83
Chrysene
Concen: 7.384 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:228 Resp: 90633
Ion Ratio Lower Upper
228 100
226 28.7 22.6 34.0
229 21.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF126367.D

Acq: 27 Dec 2021 21:12

Instrument :

BNA_F

ClientSampleId :

PSC124042

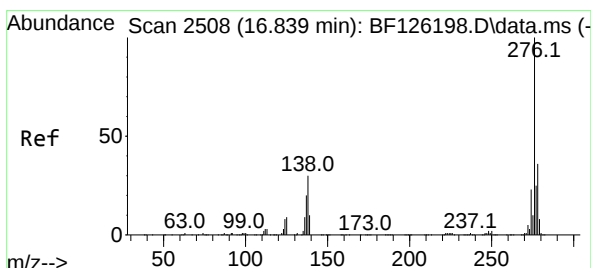
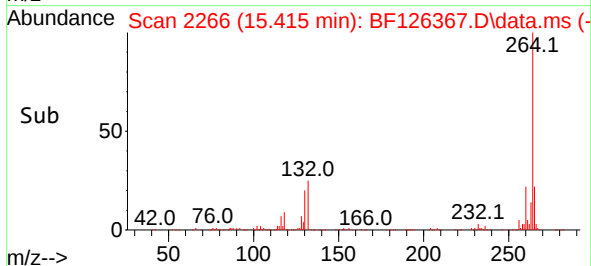
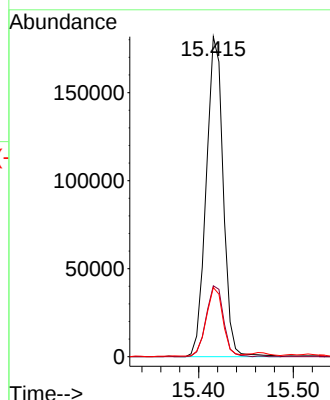
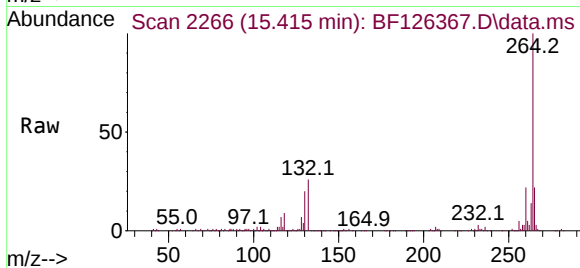
Tgt Ion:264 Resp: 226136

Ion Ratio Lower Upper

264 100

260 22.1 19.6 29.4

265 21.6 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.942 ng

RT: 16.839 min Scan# 2508

Delta R.T. -0.023 min

Lab File: BF126367.D

Acq: 27 Dec 2021 21:12

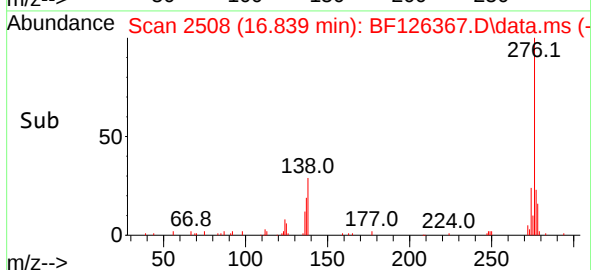
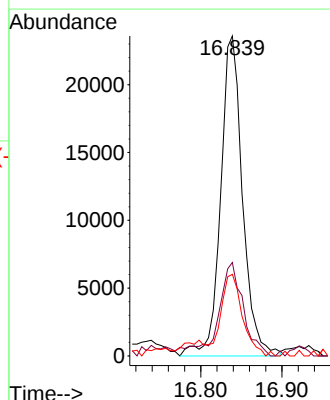
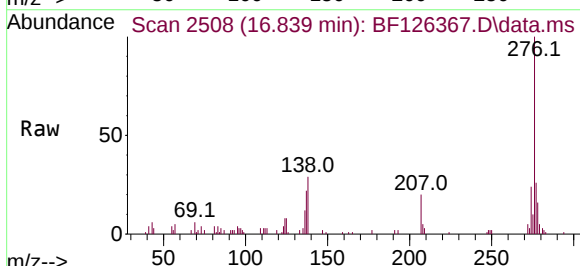
Tgt Ion:276 Resp: 44370

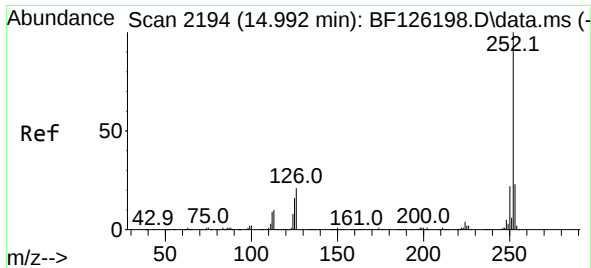
Ion Ratio Lower Upper

276 100

138 33.6 24.1 36.1

277 25.5 18.8 28.2

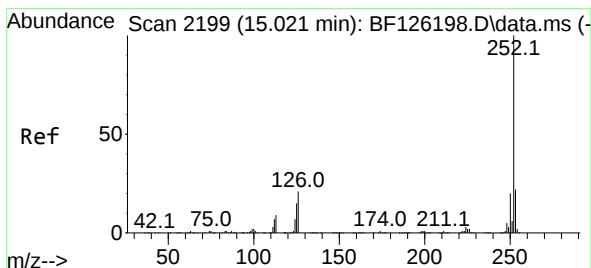
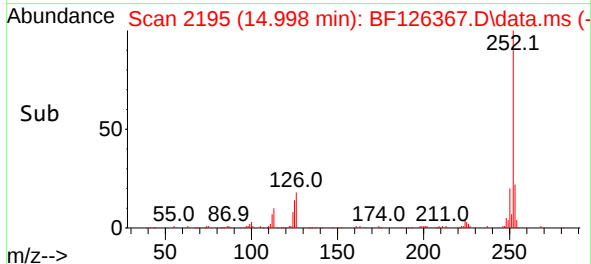
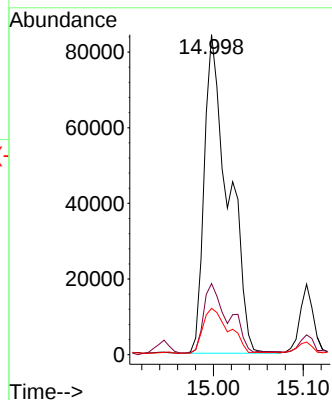
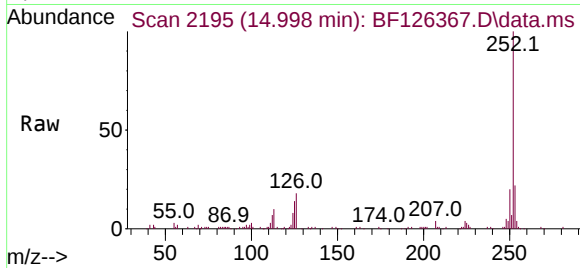




#88
Benzo(b)fluoranthene
Concen: 11.569 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

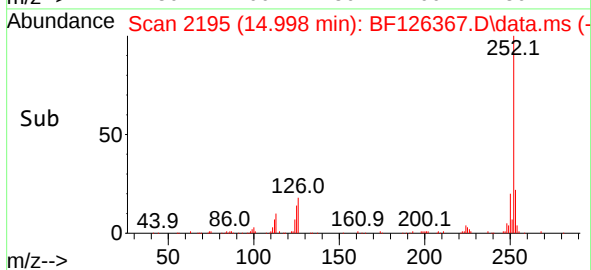
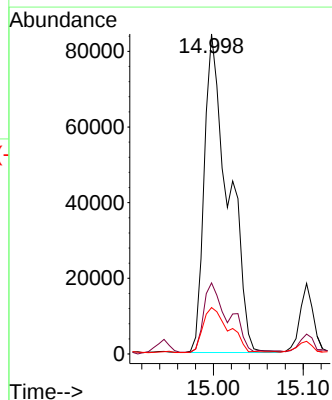
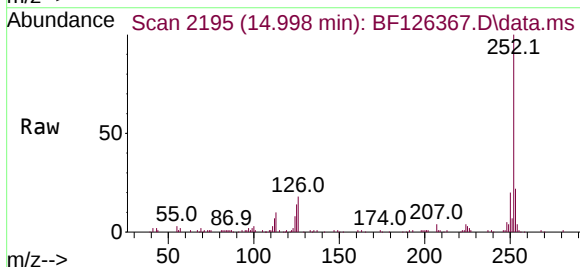
Instrument :
BNA_F
ClientSampleId :
PSC124042

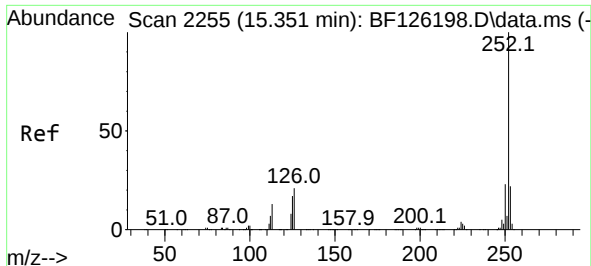
Tgt Ion:252 Resp: 157197
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 14.5 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 12.094 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.035 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:252 Resp: 157197
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 14.5 7.2 10.8#

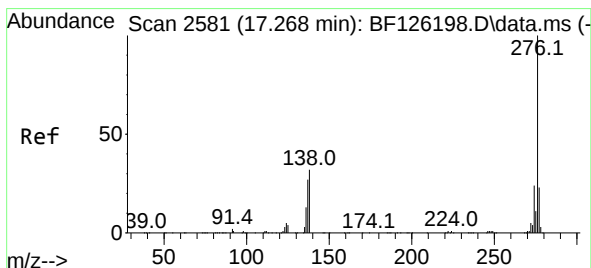
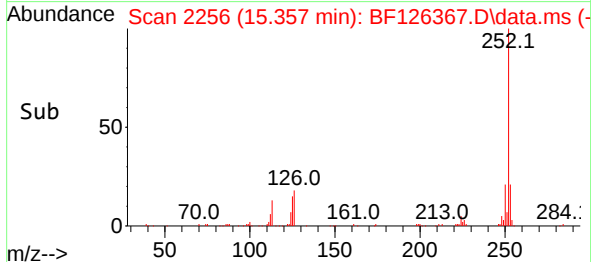
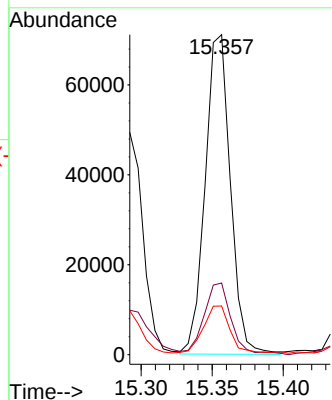
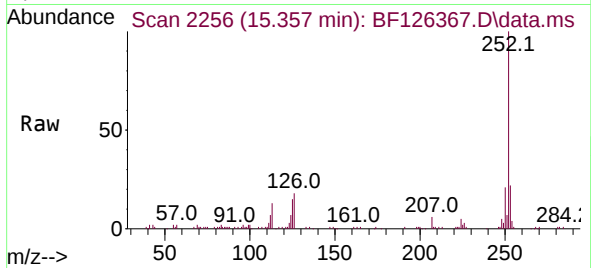




#90
Benzo(a)pyrene
Concen: 7.784 ng
RT: 15.357 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Instrument :
BNA_F
ClientSampleId :
PSC124042

Tgt Ion:252 Resp: 87907
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 15.2 9.9 14.9#



#92
Benzo(g,h,i)perylene
Concen: 3.050 ng
RT: 17.268 min Scan# 2581
Delta R.T. -0.029 min
Lab File: BF126367.D
Acq: 27 Dec 2021 21:12

Tgt Ion:276 Resp: 38688
Ion Ratio Lower Upper
276 100
277 23.0 22.0 33.0
138 30.9 22.2 33.4

