

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122821\
 Data File : BF126395.D
 Acq On : 28 Dec 2021 22:28
 Operator : JU/CG
 Sample : M5230-09DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC124019DL

Quant Time: Dec 29 08:25:11 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)

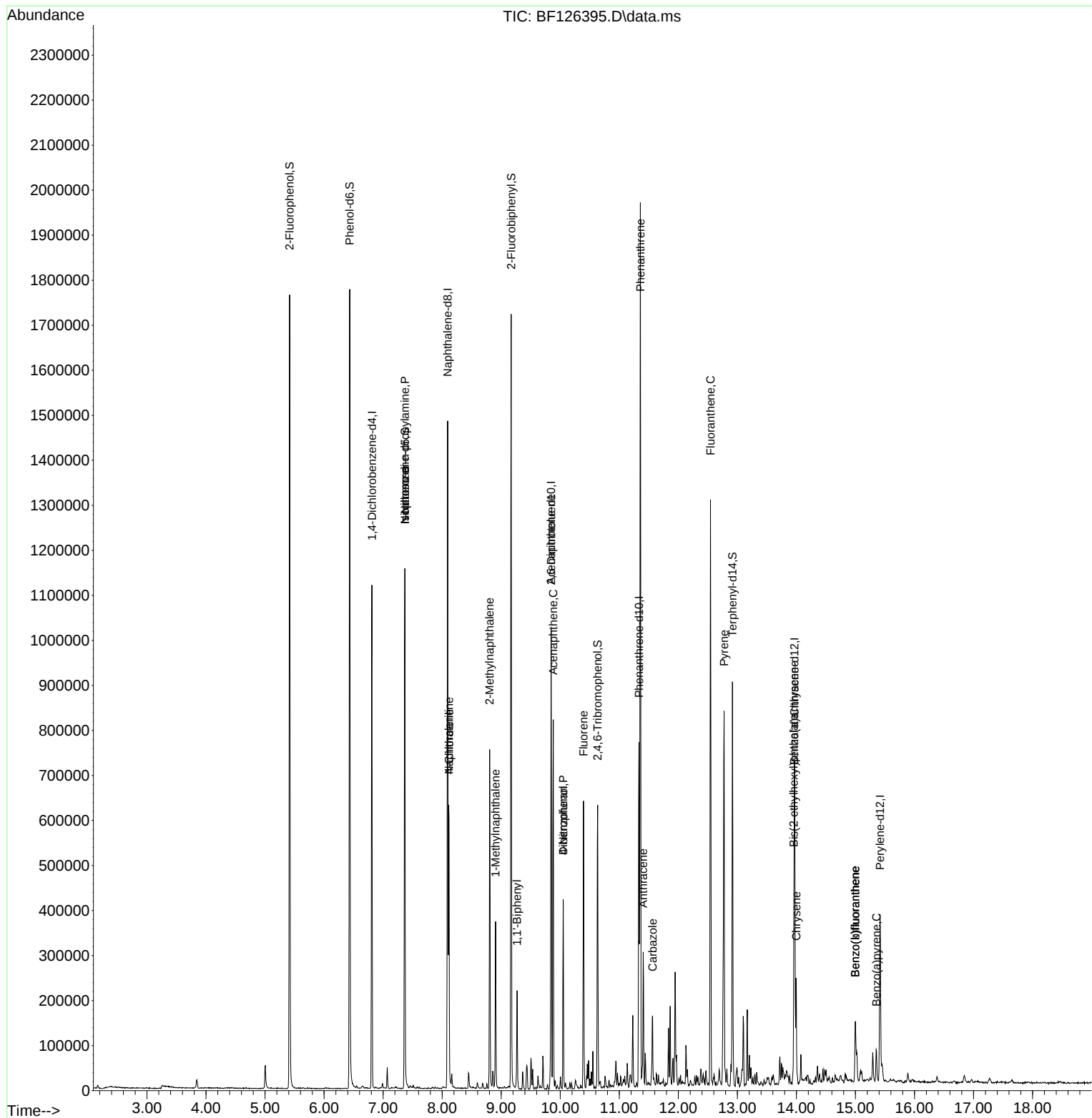
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	152703	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	641932	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	199663	20.000	ng	-0.01
64) Phenanthrene-d10	11.333	188	274418	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	184161	20.000	ng	-0.01
86) Perylene-d12	15.415	264	160042	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	483479	46.626	ng	-0.01
7) Phenol-d6	6.433	99	612682	46.534	ng	-0.01
23) Nitrobenzene-d5	7.369	82	379620	32.028	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	67972	42.361	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	501078	44.016	ng	-0.01
79) Terphenyl-d14	12.915	244	268793	25.369	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	47579	5.886	ng	# 53
25) Isophorone	7.369	82	379616	16.960	ng	# 59
31) Naphthalene	8.116	128	282475	9.409	ng	98
33) 4-Chloroaniline	8.116	127	34529	2.755	ng	# 34
37) 2-Methylnaphthalene	8.804	142	197165	10.665	ng	100
38) 1-Methylnaphthalene	8.904	142	93104	5.189	ng	91
46) 1,1'-Biphenyl	9.269	154	62532	4.236	ng	94
51) 2,6-Dinitrotoluene	9.845	165	28041	10.243	ng	# 27
52) Acenaphthene	9.880	154	166350	15.113	ng	98
55) Dibenzofuran	10.051	168	148690	9.922	ng	93
56) 4-Nitrophenol	10.051	139	54720	21.772	ng	# 11
58) Fluorene	10.392	166	167090	15.401	ng	97
71) Phenanthrene	11.357	178	715263	50.500	ng	98
72) Anthracene	11.404	178	107648	7.572	ng	99
73) Carbazole	11.563	167	61016	4.558	ng	98
75) Fluoranthene	12.545	202	472244	37.007	ng	94
78) Pyrene	12.774	202	338206	19.989	ng	98
81) Benzo(a)anthracene	13.962	228	102780	9.422	ng	100
83) Chrysene	13.998	228	91656	8.087	ng	98
84) Bis(2-ethylhexyl)phtha...	13.957	149	29347	3.299	ng	97
88) Benzo(b)fluoranthene	14.998	252	95206	9.901	ng	96
89) Benzo(k)fluoranthene	14.998	252	95206	10.350	ng	# 92
90) Benzo(a)pyrene	15.356	252	35789	4.478	ng	96

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

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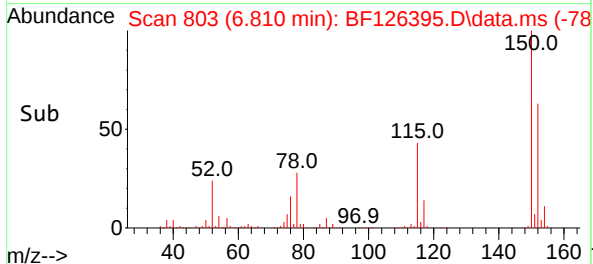
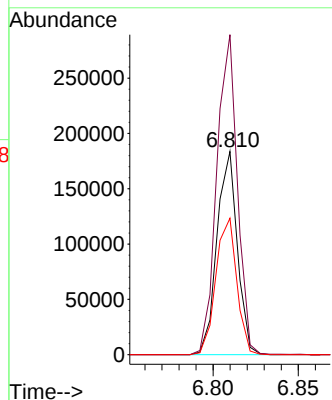
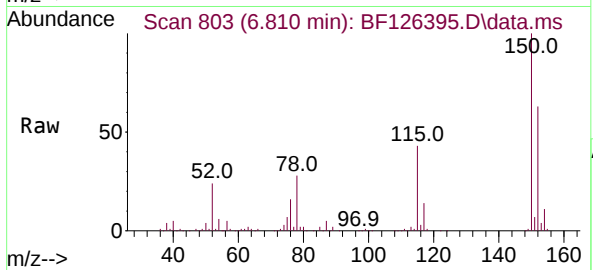




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

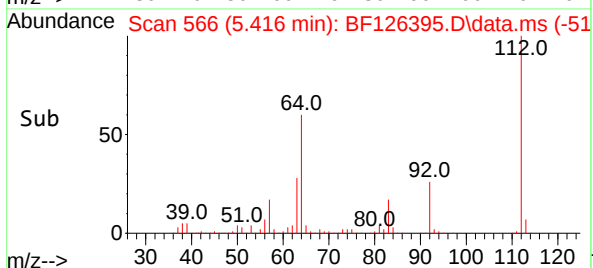
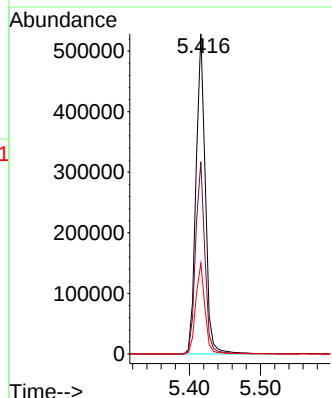
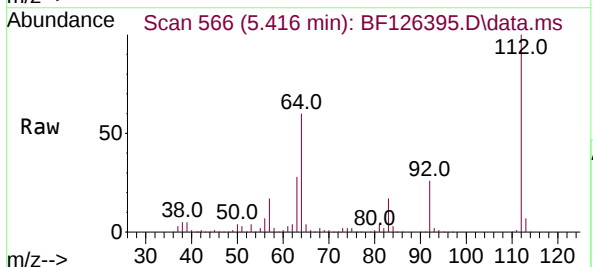
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PSC124019DL

Tgt Ion:152 Resp: 152703
Ion Ratio Lower Upper
152 100
150 157.5 117.6 176.4
115 67.2 47.1 70.7



#5
2-Fluorophenol
Concen: 46.626 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion:112 Resp: 483479
Ion Ratio Lower Upper
112 100
64 60.1 44.2 66.2
63 28.3 26.2 39.2

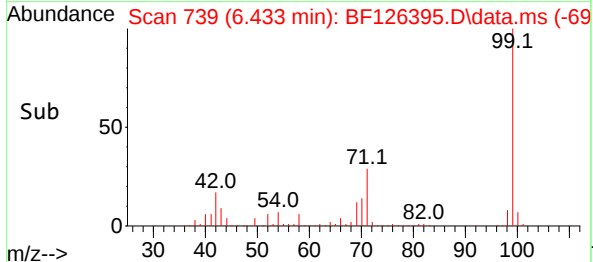
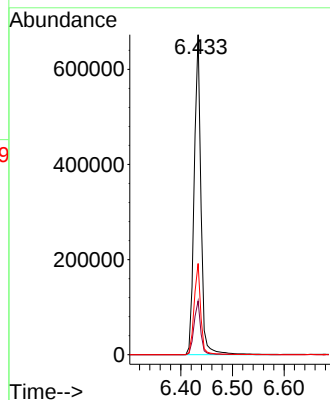
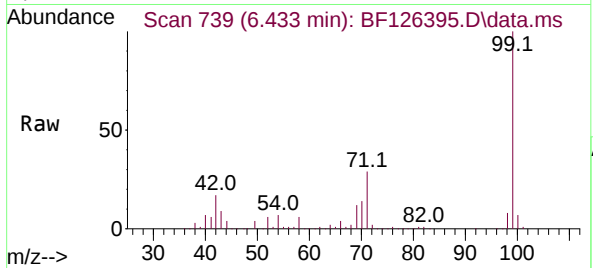




#7
Phenol-d6
Concen: 46.534 ng
RT: 6.433 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

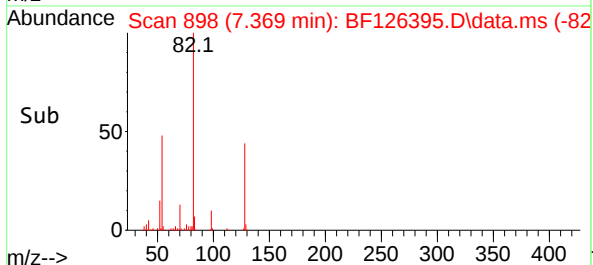
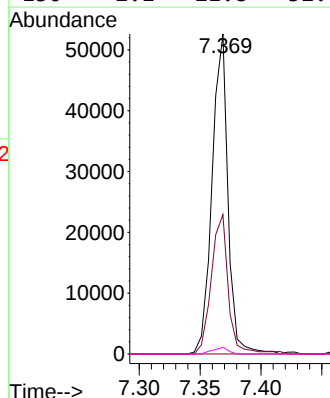
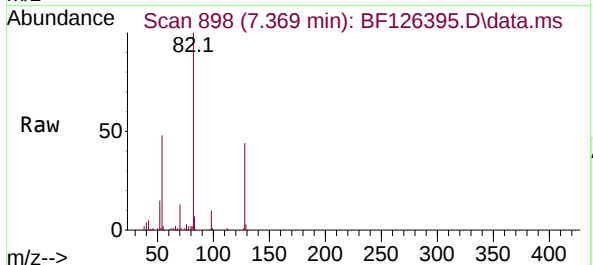
Instrument :
BNA_F
ClientSampleId :
PSC124019DL

Tgt Ion: 99 Resp: 612682
Ion Ratio Lower Upper
99 100
42 16.8 23.5 35.3#
71 28.5 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.886 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.135 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion: 70 Resp: 47579
Ion Ratio Lower Upper
70 100
42 43.5 72.2 108.2#
101 0.0 7.8 11.8#
130 2.1 21.8 32.6#

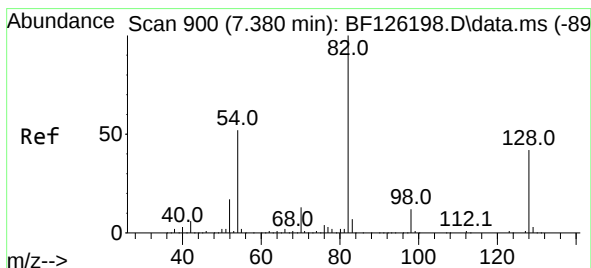
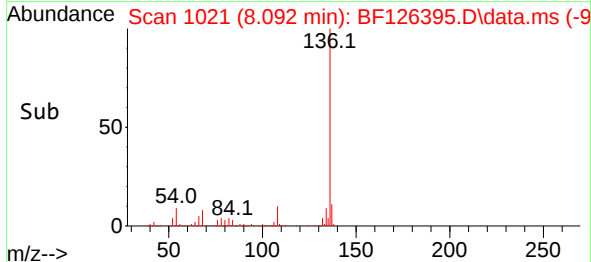
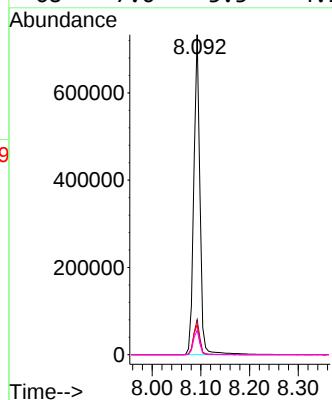
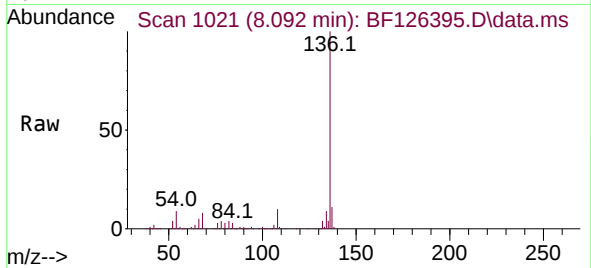




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

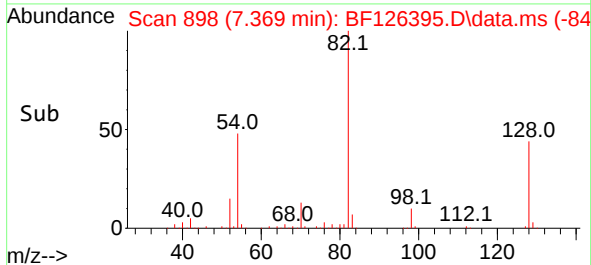
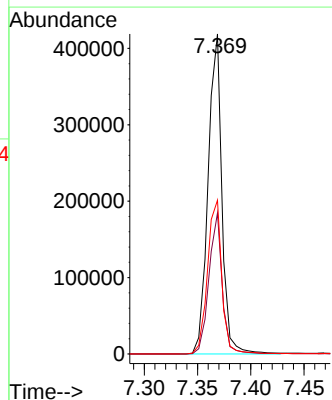
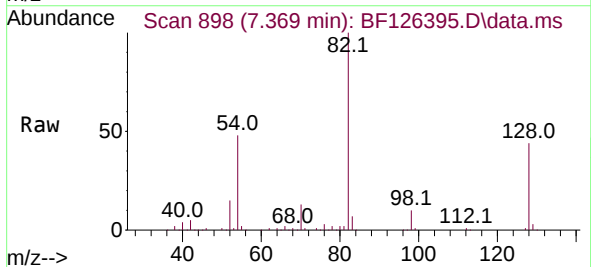
Instrument :
BNA_F
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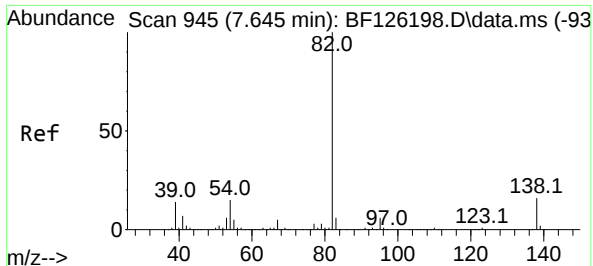
Tgt Ion:	136	Resp:	641932
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.8	14.6
54	9.3	6.4	9.6
68	7.6	3.3	4.9



#23
Nitrobenzene-d5
Concen: 32.028 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion:	82	Resp:	379620
Ion Ratio	Lower	Upper	
82	100		
128	44.0	40.6	60.8
54	48.1	49.6	74.4

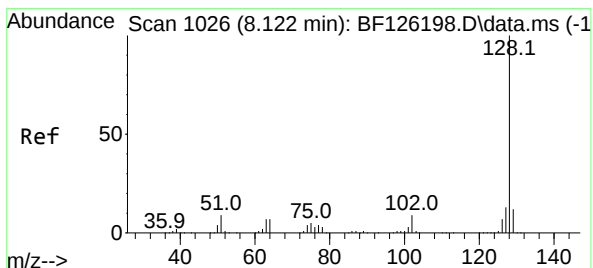
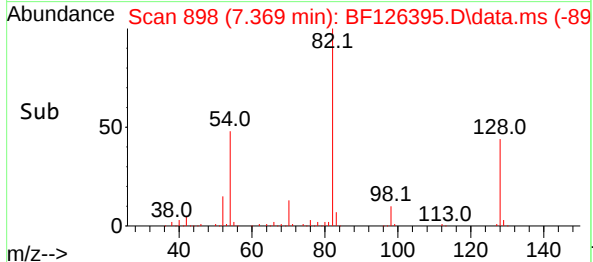
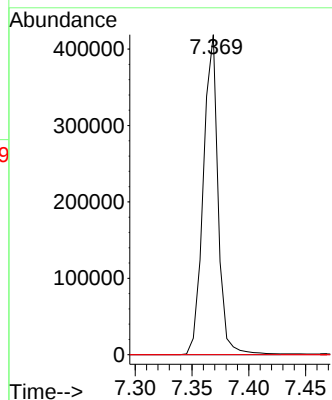
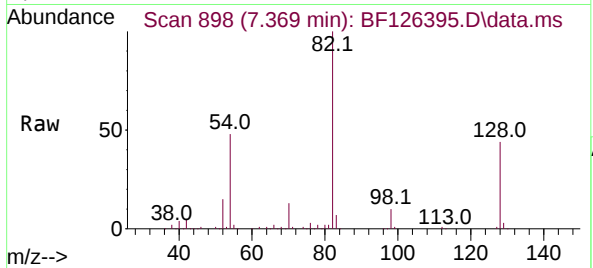




#25
Isophorone
Concen: 16.960 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

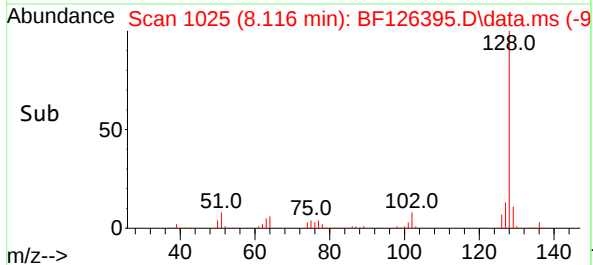
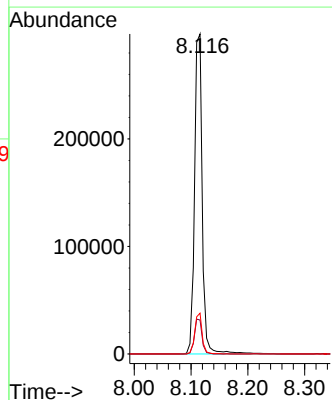
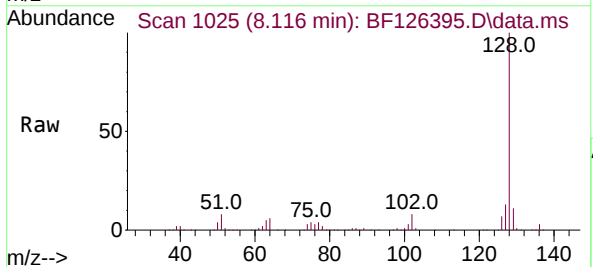
Instrument :
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ClientSampleId :
PSC124019DL

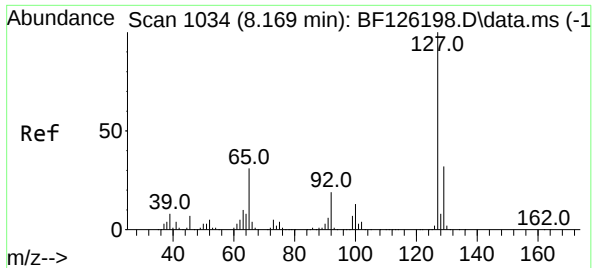
Tgt Ion: 82 Resp: 379616
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 9.409 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion: 128 Resp: 282475
Ion Ratio Lower Upper
128 100
129 10.6 9.4 14.0
127 12.7 10.9 16.3

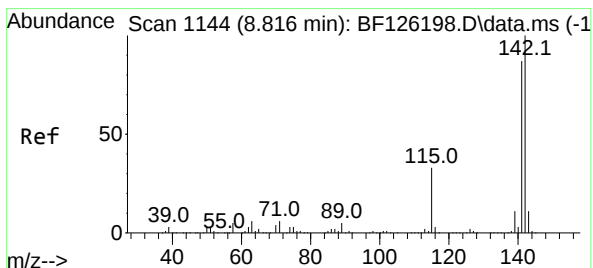
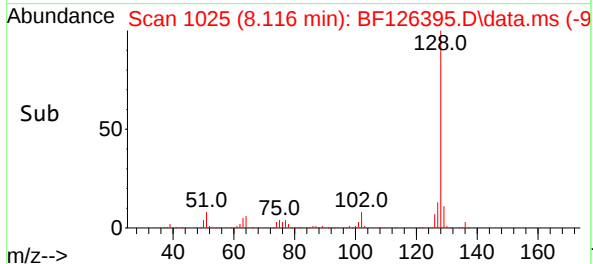
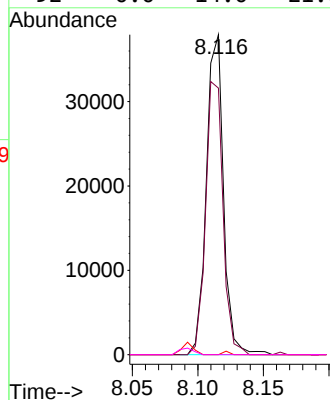
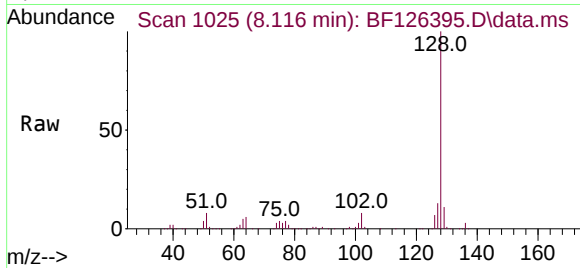




#33
4-Chloroaniline
Concen: 2.755 ng
RT: 8.116 min Scan# 1034
Delta R.T. -0.053 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

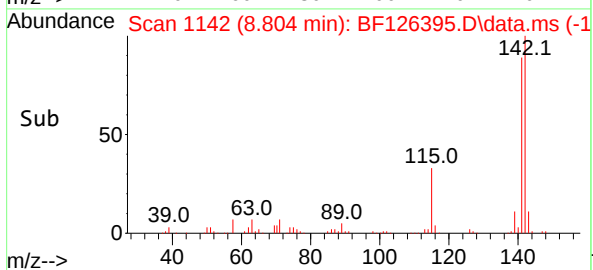
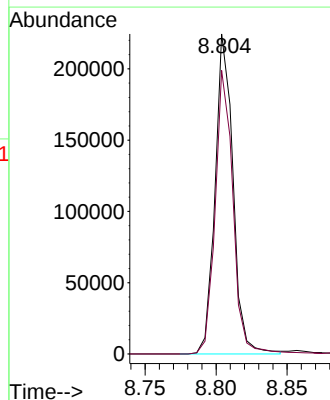
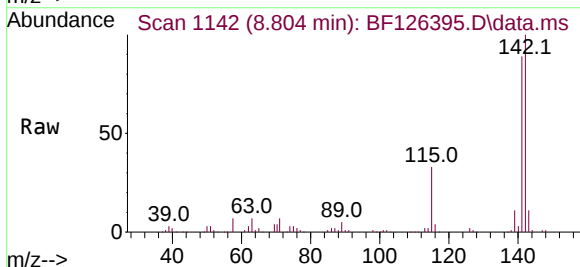
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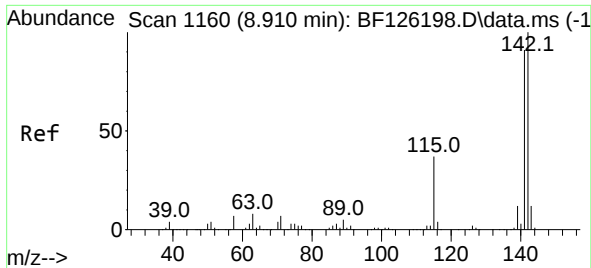
Tgt Ion:127	Resp:	34529
Ion Ratio	Lower	Upper
127	100	
129	83.3	25.7 38.5#
65	0.0	21.2 31.8#
92	0.0	14.0 21.0#



#37
2-Methylnaphthalene
Concen: 10.665 ng
RT: 8.804 min Scan# 1142
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion:142	Resp:	197165
Ion Ratio	Lower	Upper
142	100	
141	88.6	71.2 106.8

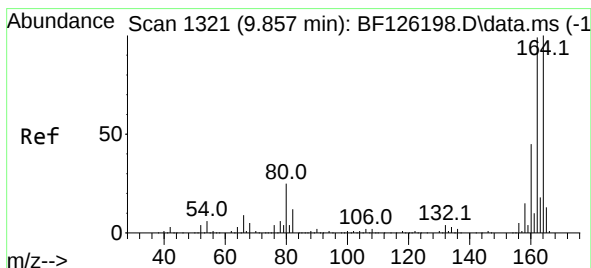
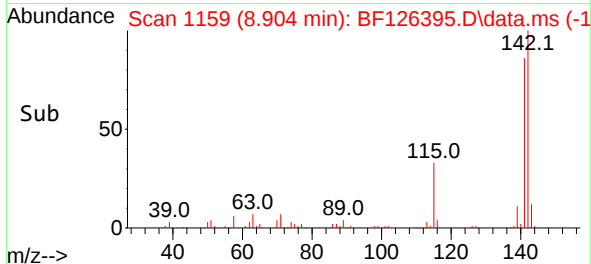
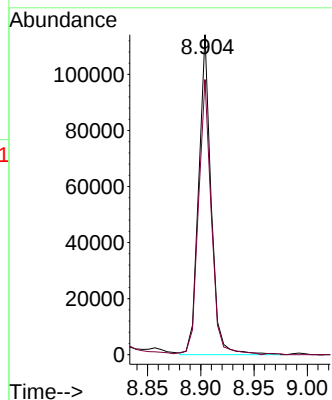
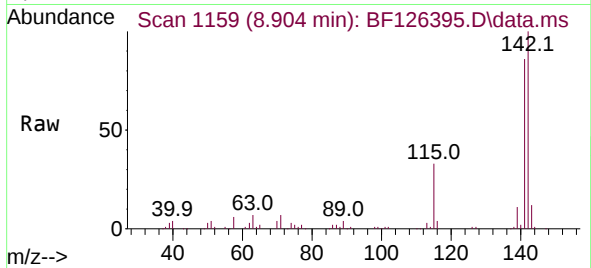




#38
1-Methylnaphthalene
Concen: 5.189 ng
RT: 8.904 min Scan# 1160
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

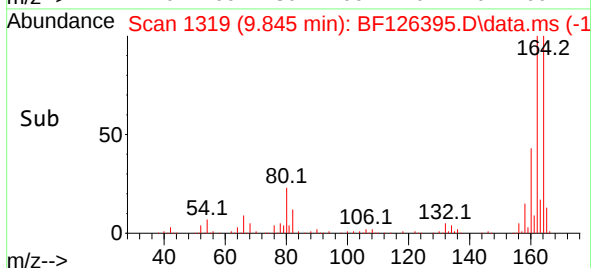
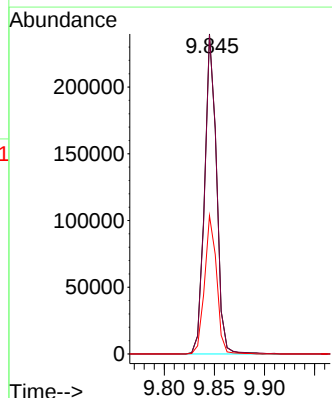
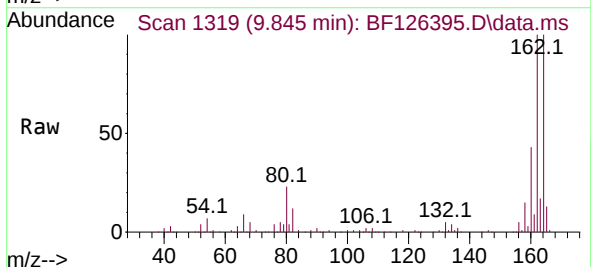
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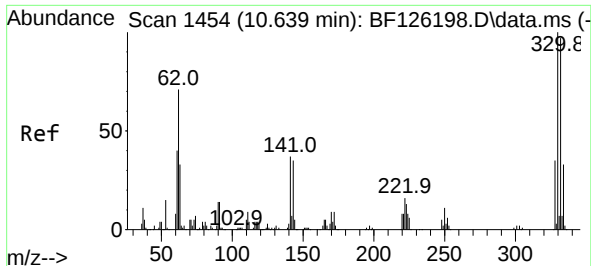
Tgt Ion:142 Resp: 93104
Ion Ratio Lower Upper
142 100
141 86.0 76.0 114.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion:164 Resp: 199663
Ion Ratio Lower Upper
164 100
162 99.7 81.3 121.9
160 43.2 38.0 57.0

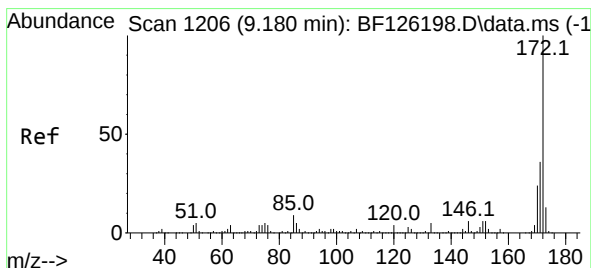
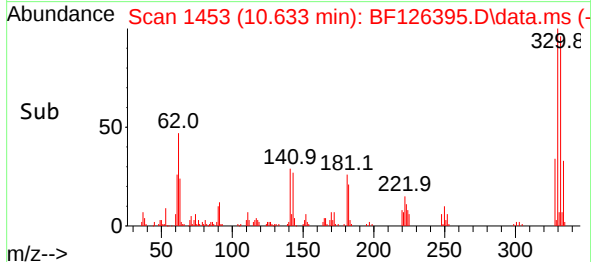
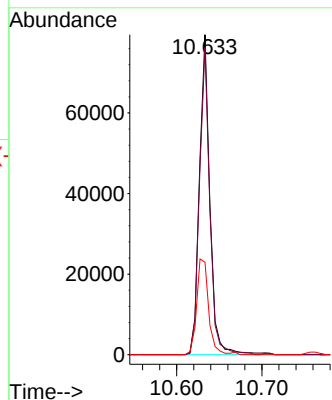
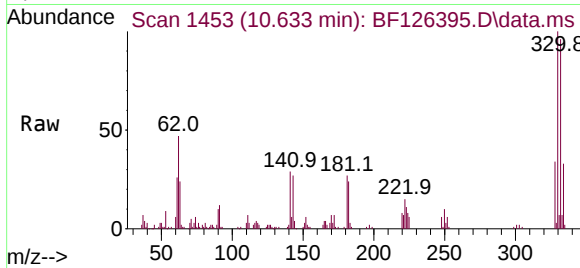




#42
2,4,6-Tribromophenol
Concen: 42.361 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

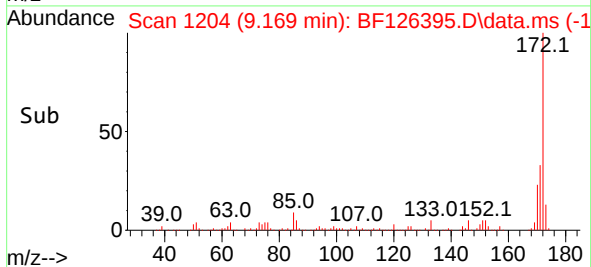
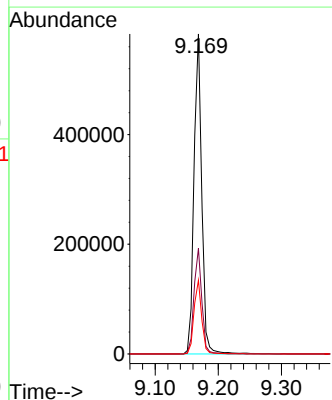
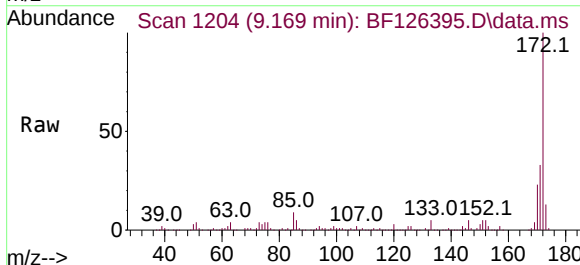
Instrument :
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PSC124019DL

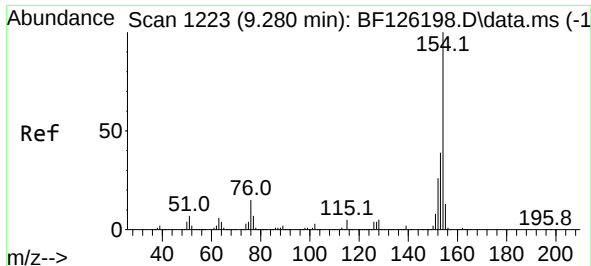
Tgt Ion: 330 Resp: 67972
Ion Ratio Lower Upper
330 100
332 94.6 76.2 114.4
141 34.1 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 44.016 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion: 172 Resp: 501078
Ion Ratio Lower Upper
172 100
171 33.0 26.5 39.7
170 23.1 18.8 28.2

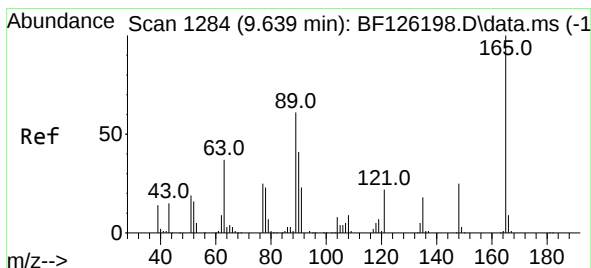
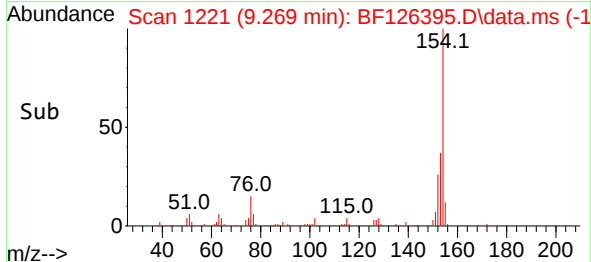
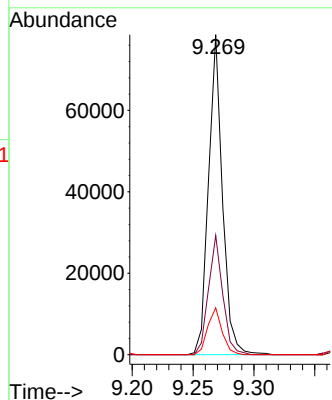
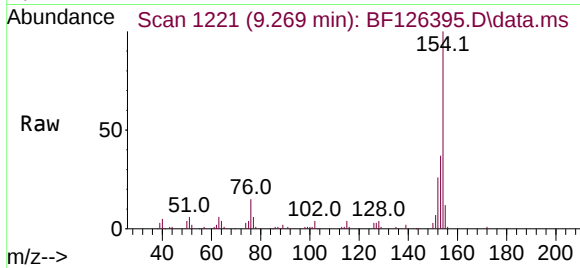




#46
1,1'-Biphenyl
Concen: 4.236 ng
RT: 9.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

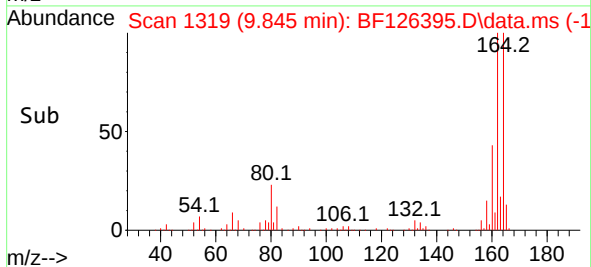
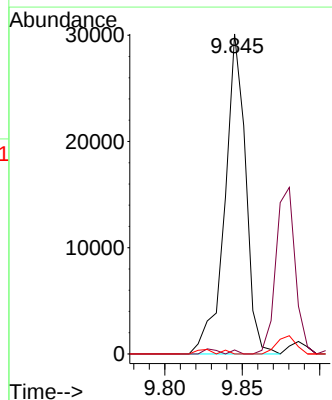
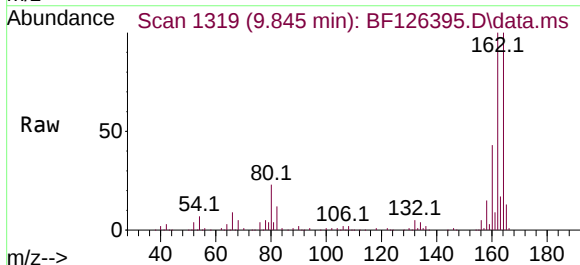
Instrument :
BNA_F
ClientSampleId :
PSC124019DL

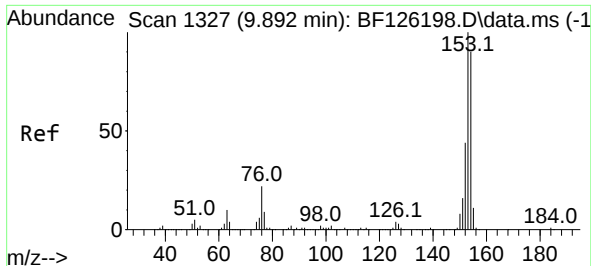
Tgt Ion:154 Resp: 62532
Ion Ratio Lower Upper
154 100
153 37.3 20.0 60.0
76 14.6 0.0 30.3



#51
2,6-Dinitrotoluene
Concen: 10.243 ng
RT: 9.845 min Scan# 1319
Delta R.T. 0.206 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion:165 Resp: 28041
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 0.0 40.6 60.8#

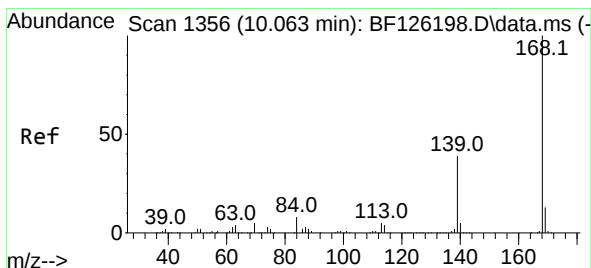
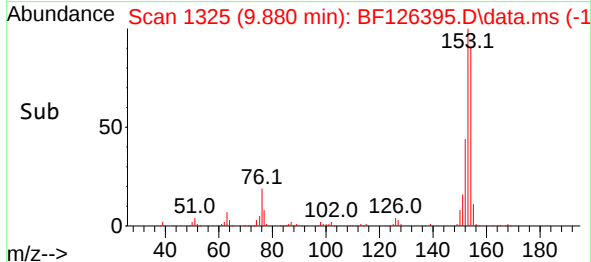
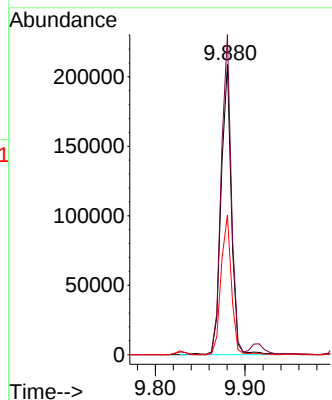
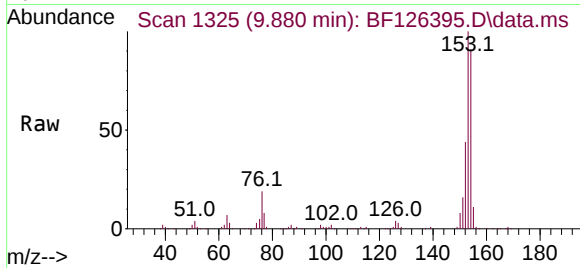




#52
Acenaphthene
Concen: 15.113 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

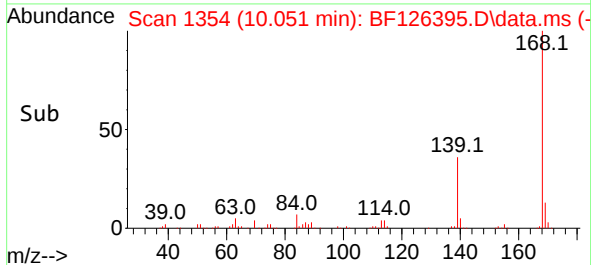
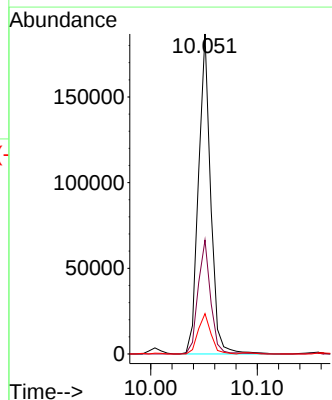
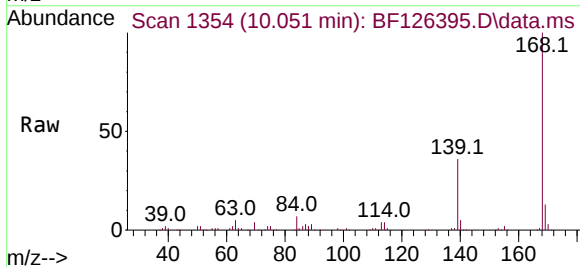
Instrument :
BNA_F
ClientSampleId :
PSC124019DL

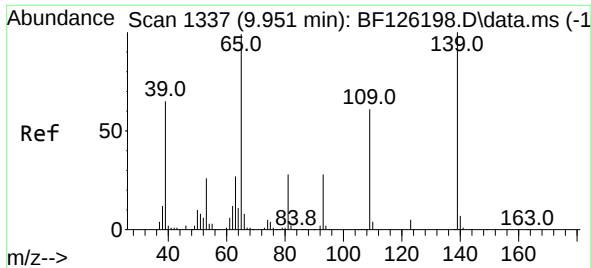
Tgt Ion:154 Resp: 166350
Ion Ratio Lower Upper
154 100
153 110.3 89.4 134.2
152 48.2 40.5 60.7



#55
Dibenzofuran
Concen: 9.922 ng
RT: 10.051 min Scan# 1354
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion:168 Resp: 148690
Ion Ratio Lower Upper
168 100
139 35.6 32.7 49.1
169 12.6 11.2 16.8

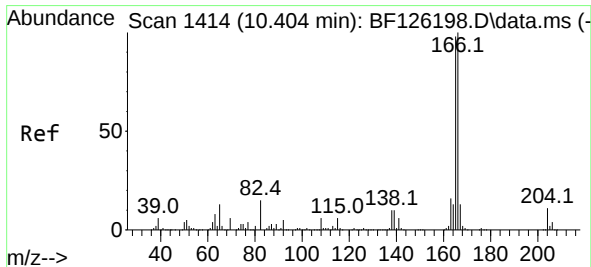
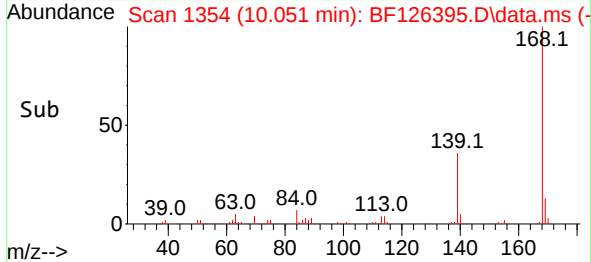
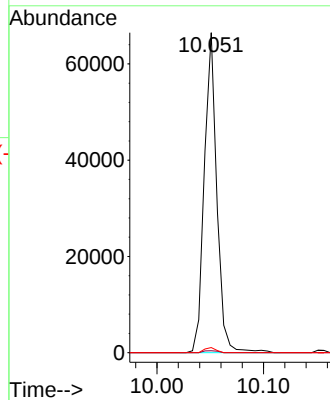
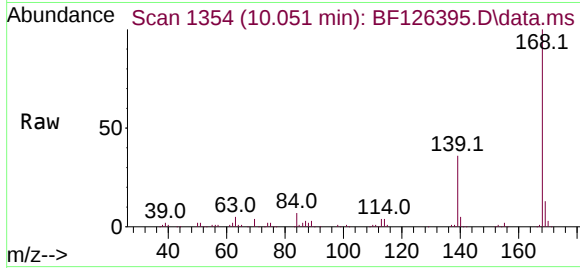




#56
4-Nitrophenol
Concen: 21.772 ng
RT: 10.051 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

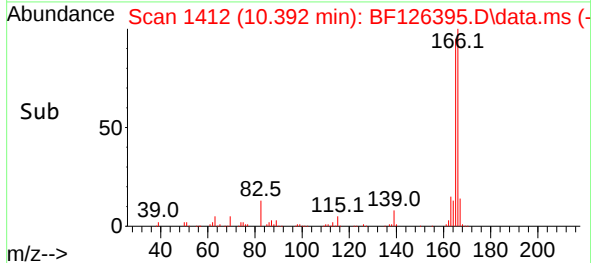
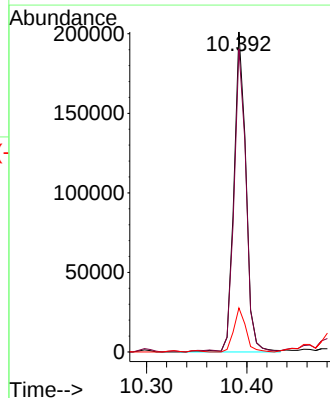
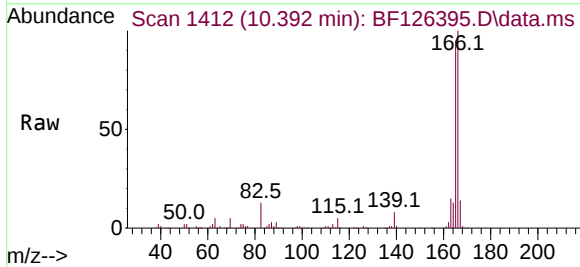
Instrument :
BNA_F
ClientSampleId :
PSC124019DL

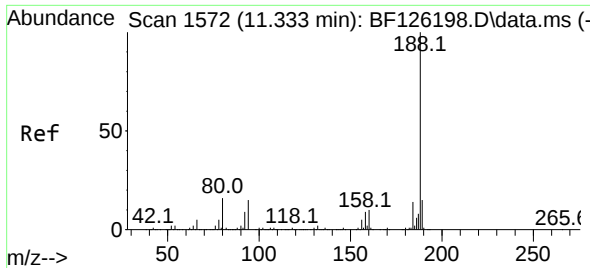
Tgt Ion:139 Resp: 54720
Ion Ratio Lower Upper
139 100
109 0.6 60.4 100.4#
65 1.6 58.4 98.4#



#58
Fluorene
Concen: 15.401 ng
RT: 10.392 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion:166 Resp: 167090
Ion Ratio Lower Upper
166 100
165 94.8 78.1 117.1
167 13.7 11.1 16.7

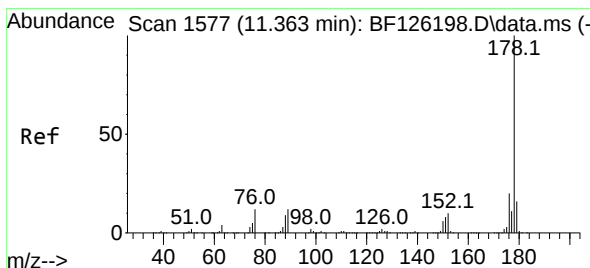
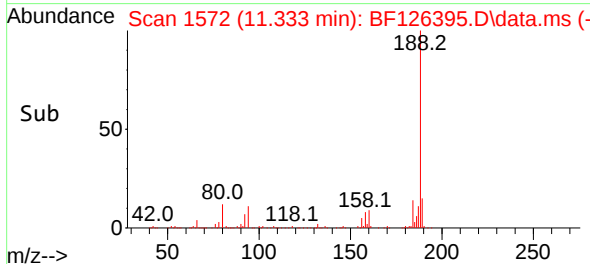
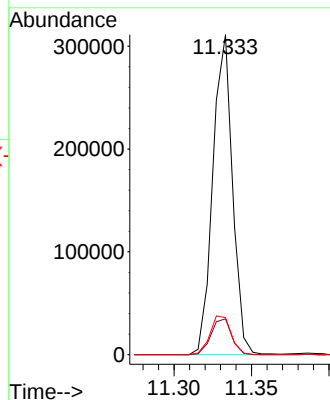
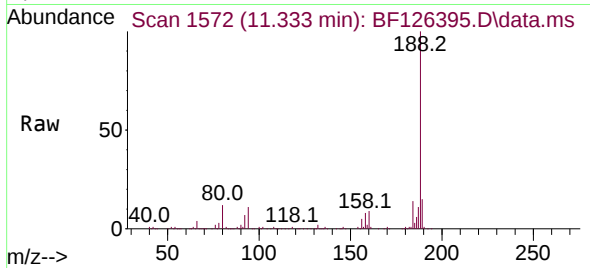




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

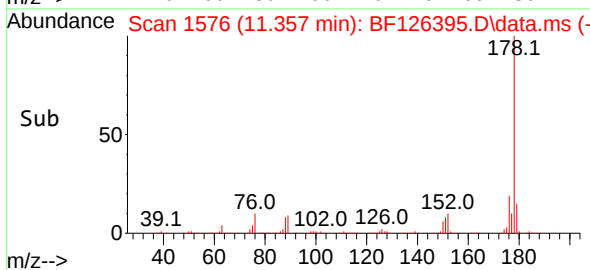
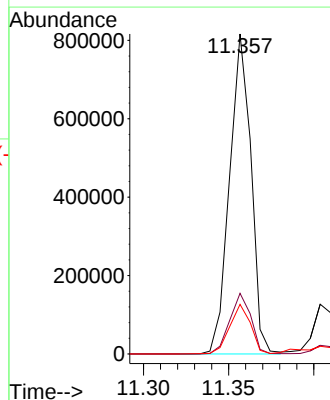
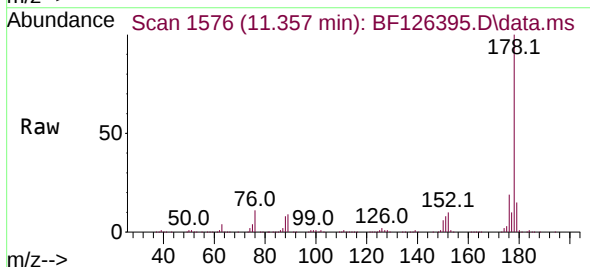
Instrument :
BNA_F
ClientSampleId :
PSC124019DL

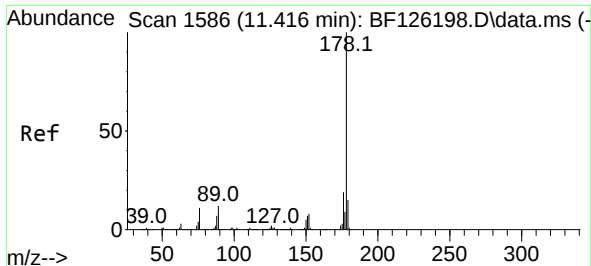
Tgt Ion:188 Resp: 274418
Ion Ratio Lower Upper
188 100
94 11.2 6.7 10.1#
80 11.6 7.5 11.3#



#71
Phenanthrene
Concen: 50.500 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion:178 Resp: 715263
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.5 11.5 17.3

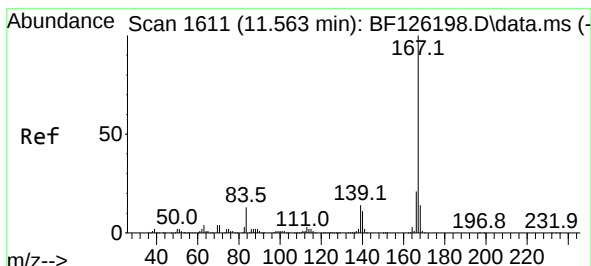
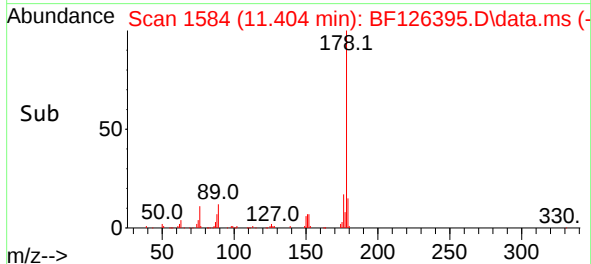
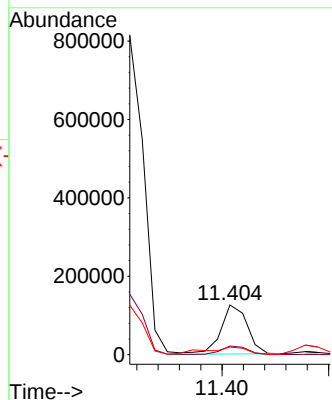
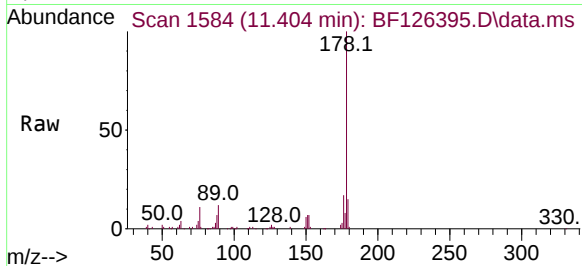




#72
 Anthracene
 Concen: 7.572 ng
 RT: 11.404 min Scan# 1584
 Delta R.T. -0.012 min
 Lab File: BF126395.D
 Acq: 28 Dec 2021 22:28

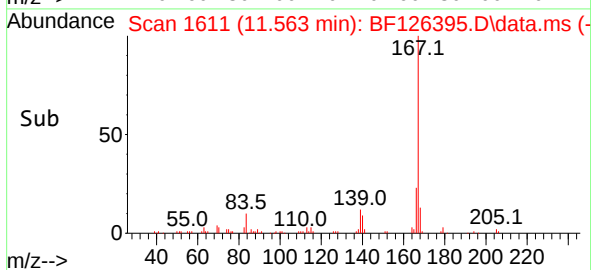
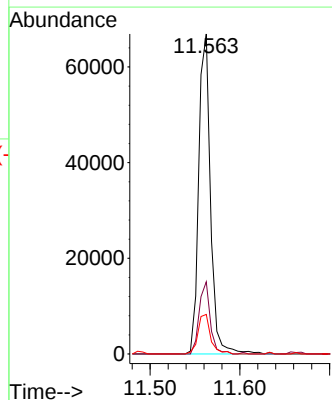
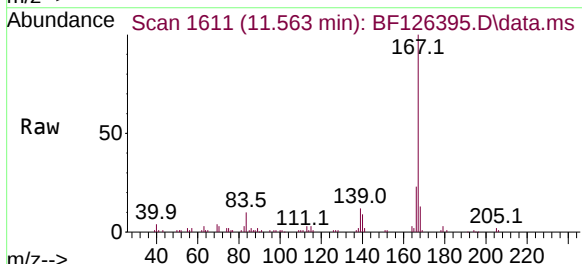
Instrument :
 BNA_F
 ClientSampleId :
 PSC124019DL

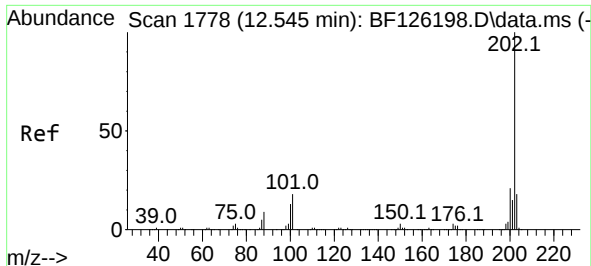
Tgt Ion:178 Resp: 107648
 Ion Ratio Lower Upper
 178 100
 176 17.4 14.3 21.5
 179 15.3 12.2 18.4



#73
 Carbazole
 Concen: 4.558 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. -0.006 min
 Lab File: BF126395.D
 Acq: 28 Dec 2021 22:28

Tgt Ion:167 Resp: 61016
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.4 26.0
 139 12.4 11.0 16.4

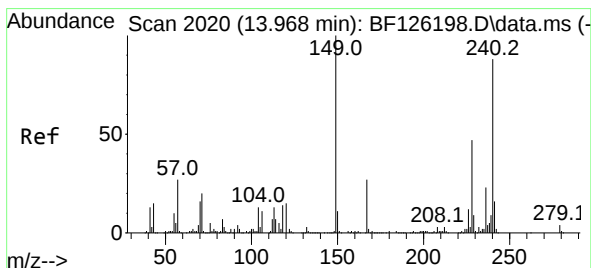
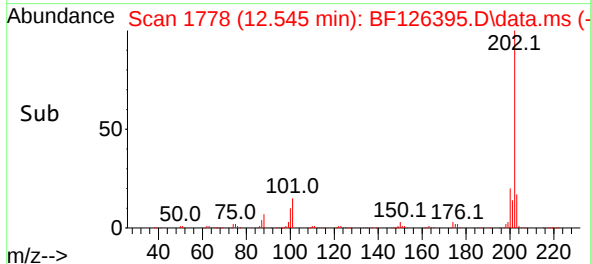
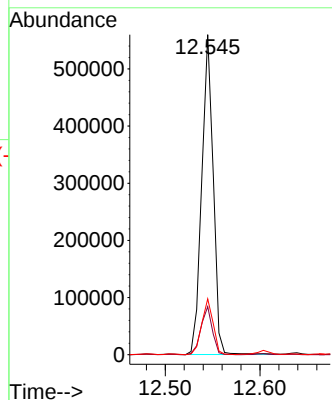
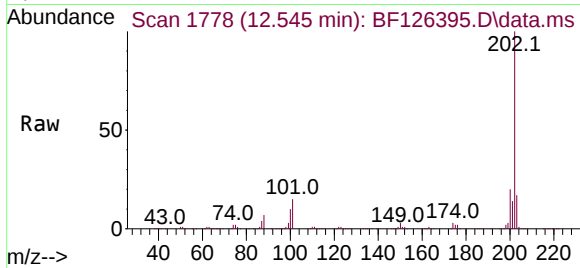




#75
Fluoranthene
Concen: 37.007 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

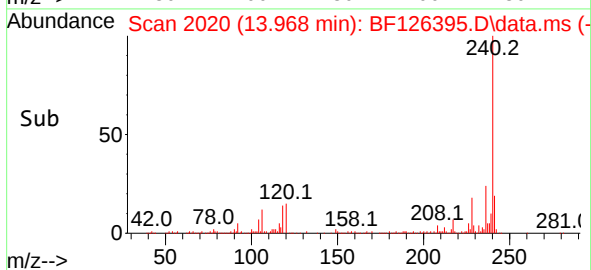
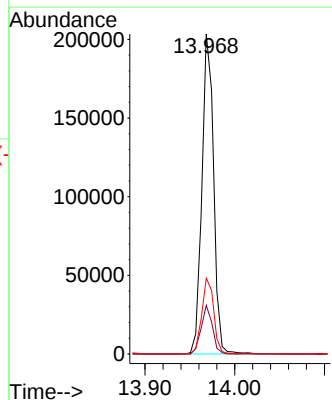
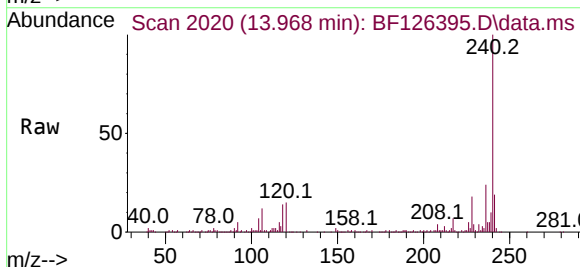
Instrument :
BNA_F
ClientSampleId :
PSC124019DL

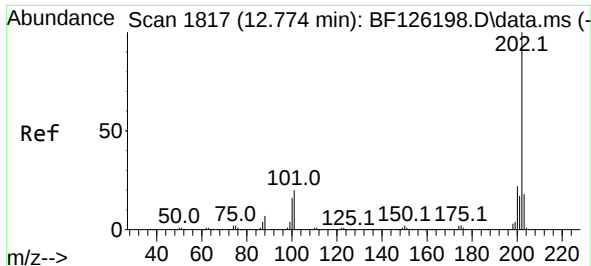
Tgt Ion:202 Resp: 472244
Ion Ratio Lower Upper
202 100
101 15.0 0.0 30.7
203 17.4 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion:240 Resp: 184161
Ion Ratio Lower Upper
240 100
120 15.2 10.8 16.2
236 23.7 21.6 32.4

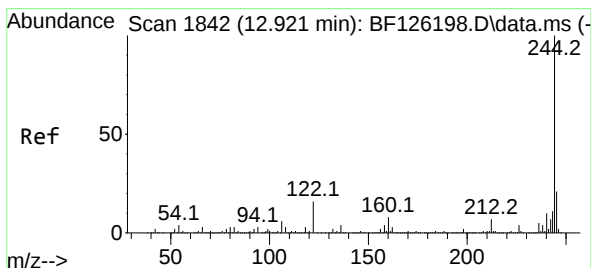
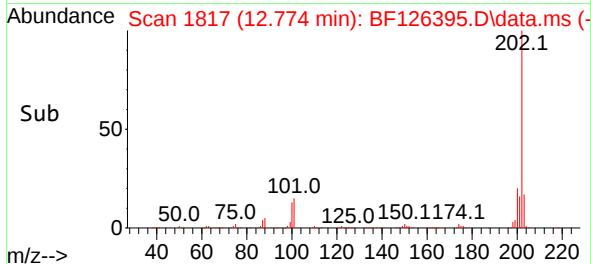
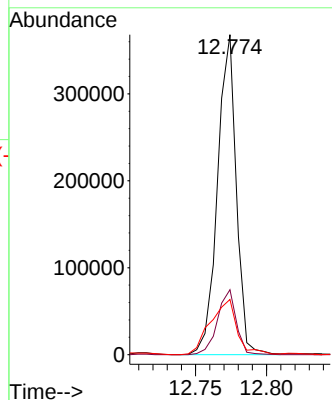
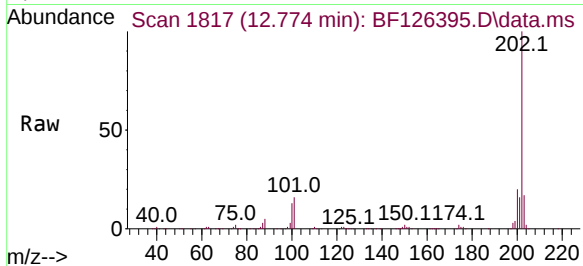




#78
Pyrene
Concen: 19.989 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

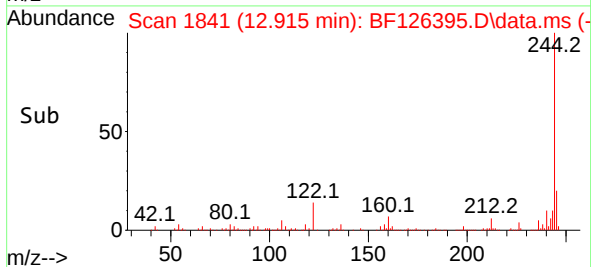
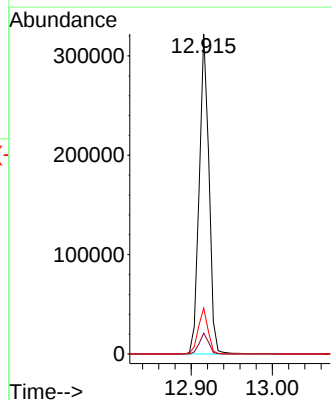
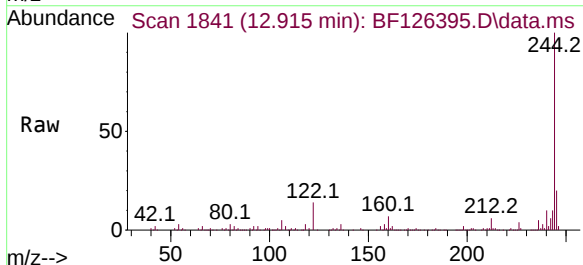
Instrument :
BNA_F
ClientSampleId :
PSC124019DL

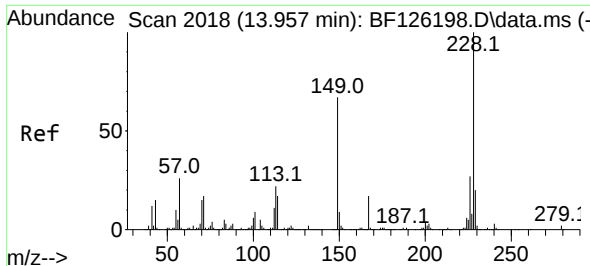
Tgt Ion:202 Resp: 338206
Ion Ratio Lower Upper
202 100
200 20.3 15.3 22.9
203 17.3 13.4 20.0



#79
Terphenyl-d14
Concen: 25.369 ng
RT: 12.915 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion:244 Resp: 268793
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 14.4 9.0 13.4#

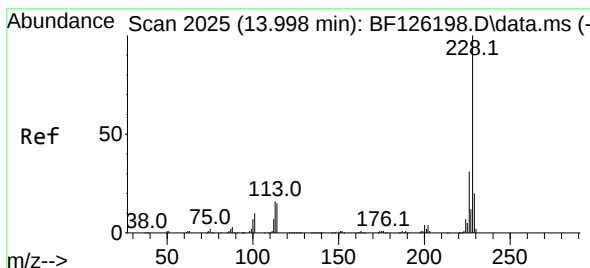
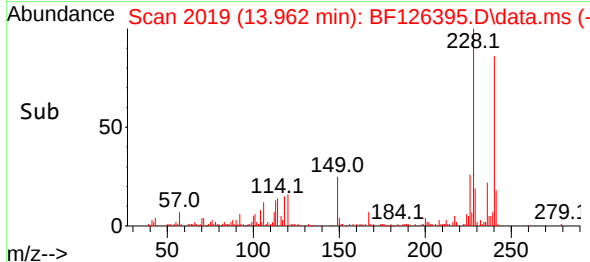
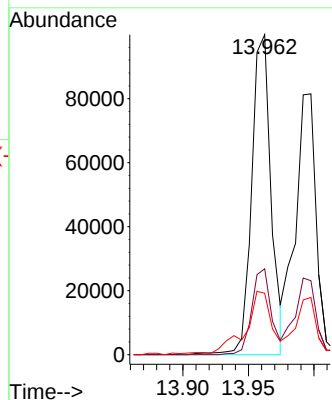
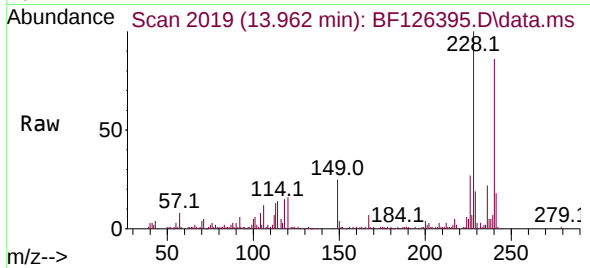




#81
Benzo(a)anthracene
Concen: 9.422 ng
RT: 13.962 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

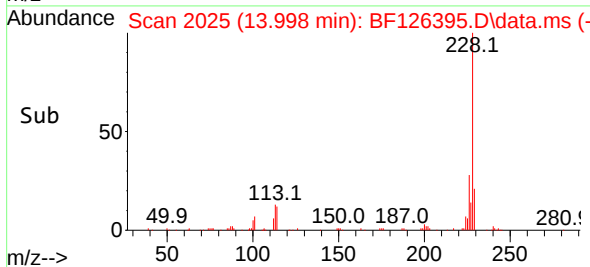
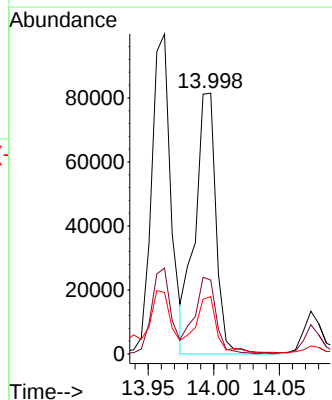
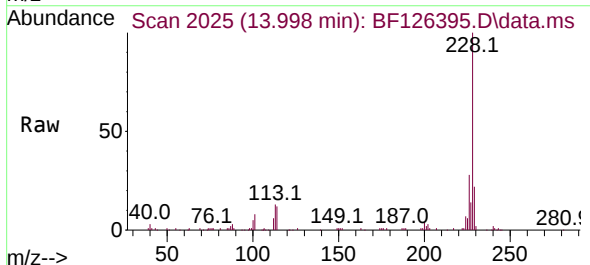
Instrument :
BNA_F
ClientSampleId :
PSC124019DL

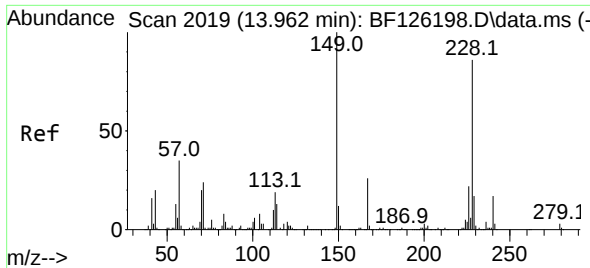
Tgt Ion:228 Resp: 102780
Ion Ratio Lower Upper
228 100
226 26.8 21.6 32.4
229 19.2 15.6 23.4



#83
Chrysene
Concen: 8.087 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion:228 Resp: 91656
Ion Ratio Lower Upper
228 100
226 28.4 22.6 34.0
229 22.0 15.9 23.9

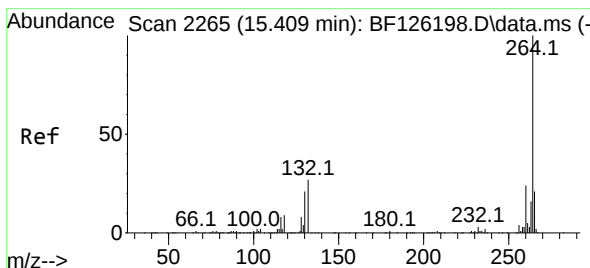
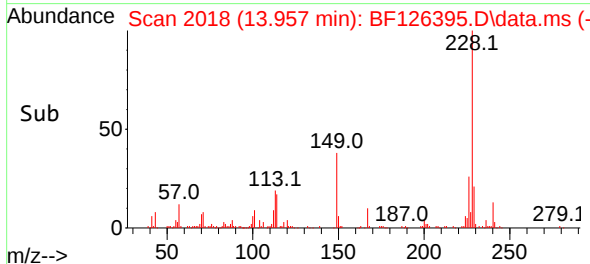
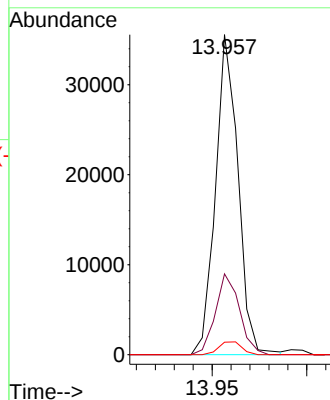
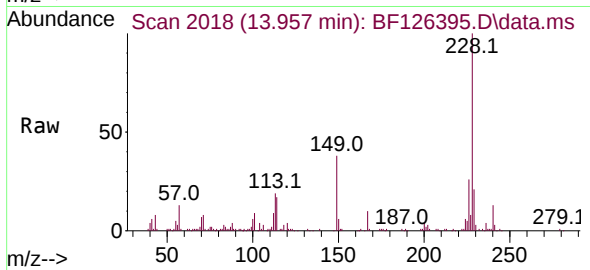




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.299 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

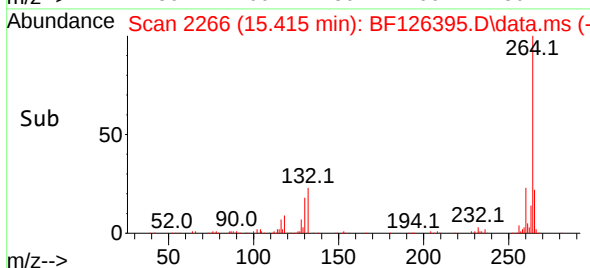
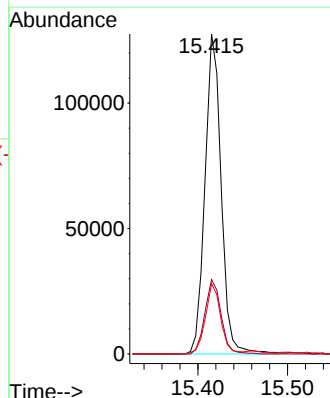
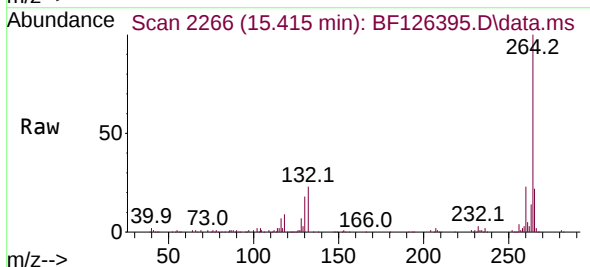
Instrument :
BNA_F
ClientSampleId :
PSC124019DL

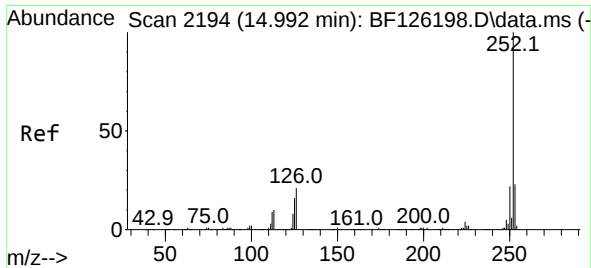
Tgt Ion:149 Resp: 29347
Ion Ratio Lower Upper
149 100
167 25.2 21.4 32.0
279 3.9 2.6 4.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.012 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion:264 Resp: 160042
Ion Ratio Lower Upper
264 100
260 23.2 19.6 29.4
265 21.9 17.2 25.8

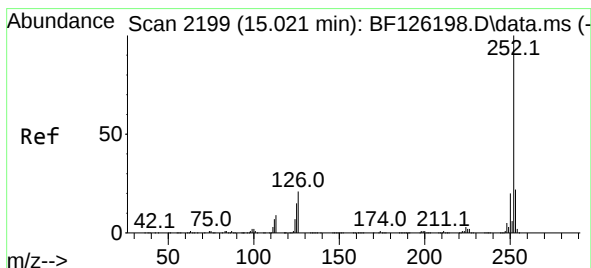
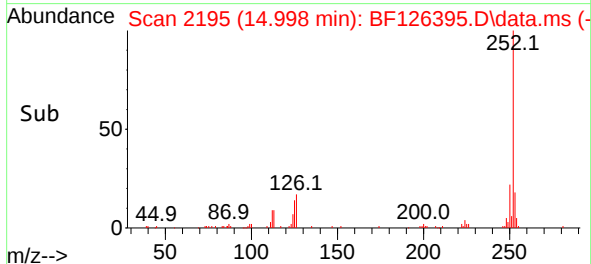
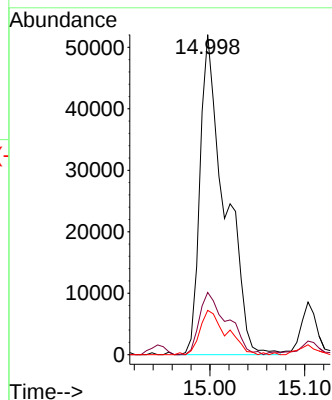
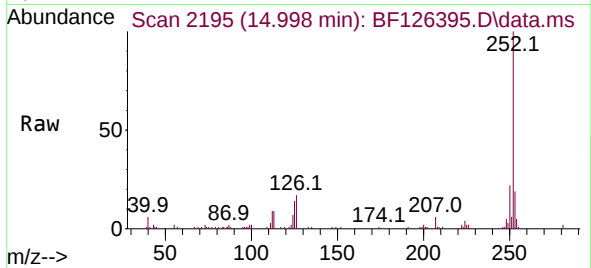




#88
Benzo(b)fluoranthene
Concen: 9.901 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

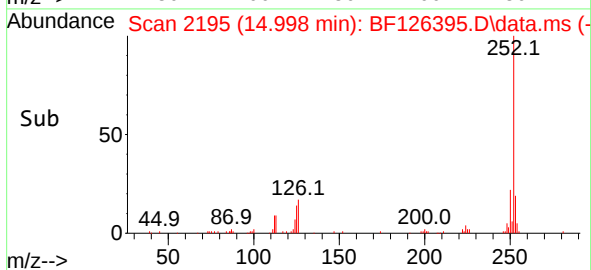
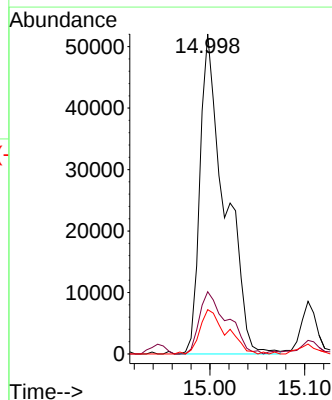
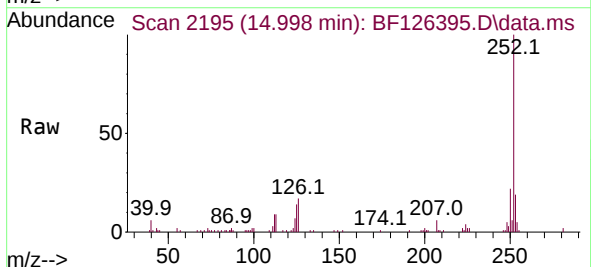
Instrument :
BNA_F
ClientSampleId :
PSC124019DL

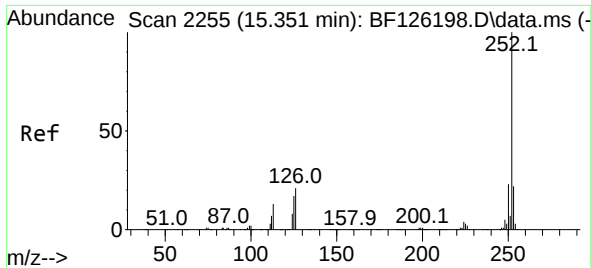
Tgt Ion:252 Resp: 95206
Ion Ratio Lower Upper
252 100
253 19.4 16.8 25.2
125 13.9 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 10.350 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.035 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Tgt Ion:252 Resp: 95206
Ion Ratio Lower Upper
252 100
253 19.4 17.8 26.8
125 13.9 7.2 10.8#





#90
Benzo(a)pyrene
Concen: 4.478 ng
RT: 15.356 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126395.D
Acq: 28 Dec 2021 22:28

Instrument :
BNA_F
ClientSampleId :
PSC124019DL

Tgt Ion:252 Resp: 35789
Ion Ratio Lower Upper
252 100
253 21.1 18.4 27.6
125 14.0 9.9 14.9

