

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126370.D
 Acq On : 27 Dec 2021 22:46
 Operator : JU/CG
 Sample : M5230-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC124019

Quant Time: Dec 28 06:01:07 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)

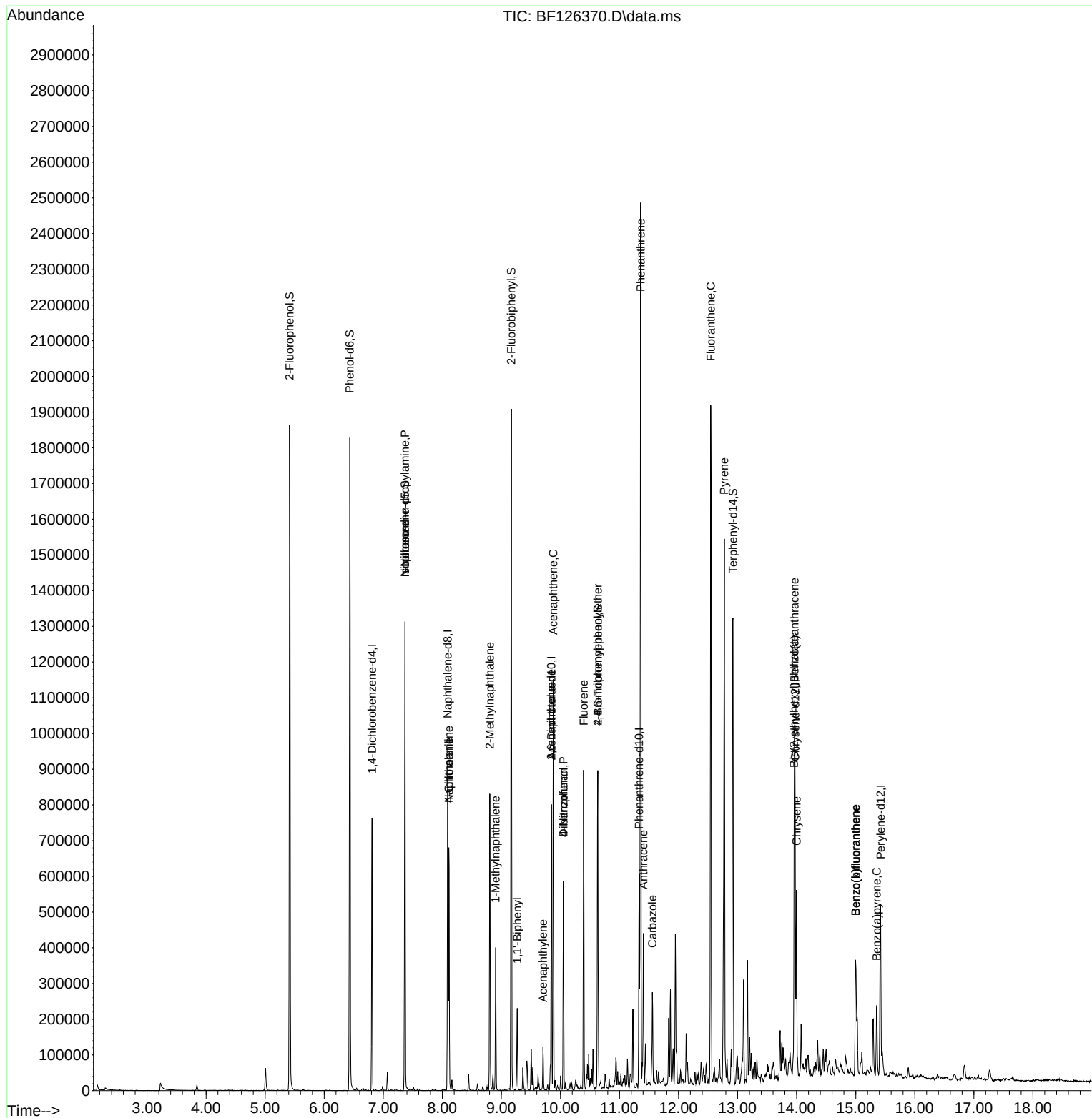
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	101806	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	384714	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	147200	20.000	ng	-0.01
64) Phenanthrene-d10	11.333	188	211159	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	207394	20.000	ng	0.00
86) Perylene-d12	15.421	264	210948	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	547486	79.195	ng	-0.01
7) Phenol-d6	6.434	99	670474	76.382	ng	-0.01
23) Nitrobenzene-d5	7.369	82	398587	56.112	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	94770	80.112	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	532436	63.439	ng	-0.01
79) Terphenyl-d14	12.921	244	441273	36.982	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	49388	9.165	ng	# 55
25) Isophorone	7.369	82	398583	29.714	ng	# 59
31) Naphthalene	8.110	128	305178	16.963	ng	97
33) 4-Chloroaniline	8.110	127	36659	4.880	ng	# 28
37) 2-Methylnaphthalene	8.804	142	210789	19.025	ng	98
38) 1-Methylnaphthalene	8.904	142	96637	8.987	ng	93
46) 1,1'-Biphenyl	9.269	154	66176	6.080	ng	95
49) Acenaphthylene	9.704	152	39164	3.130	ng	# 96
51) 2,6-Dinitrotoluene	9.845	165	22816	11.305	ng	# 26
52) Acenaphthene	9.881	154	223771	27.576	ng	99
55) Dibenzofuran	10.051	168	202932	18.368	ng	95
56) 4-Nitrophenol	10.051	139	73862	39.862	ng	# 11
58) Fluorene	10.392	166	226510	28.320	ng	98
67) 4-Bromophenyl-phenylether	10.633	248	5286	2.667	ng	# 1
71) Phenanthrene	11.357	178	986527	90.519	ng	98
72) Anthracene	11.404	178	159070	14.542	ng	99
73) Carbazole	11.557	167	99590	9.667	ng	97
75) Fluoranthene	12.545	202	764381	77.844	ng	93
78) Pyrene	12.774	202	598940	31.434	ng	97
81) Benzo(a)anthracene	13.963	228	214303	17.444	ng	99
83) Chrysene	13.998	228	199405	15.622	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	55677	5.557	ng	# 99
88) Benzo(b)fluoranthene	14.998	252	233529	18.425	ng	96
89) Benzo(k)fluoranthene	14.998	252	233529	19.260	ng	# 95
90) Benzo(a)pyrene	15.357	252	92811	8.810	ng	97

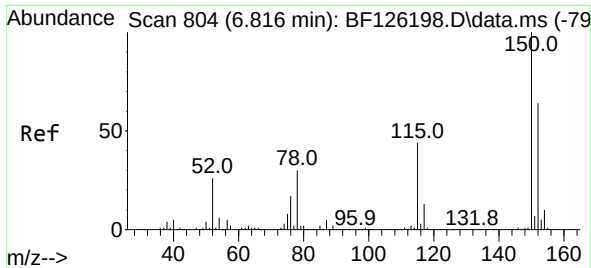
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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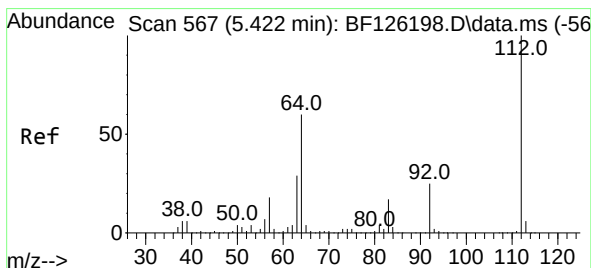
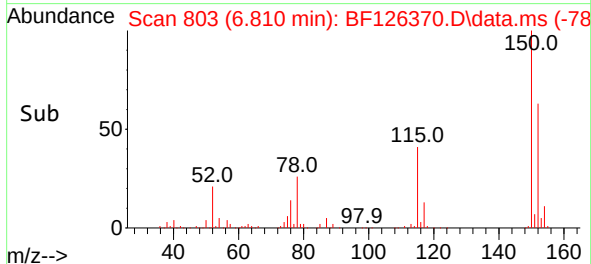
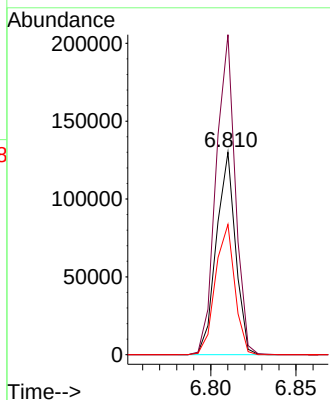
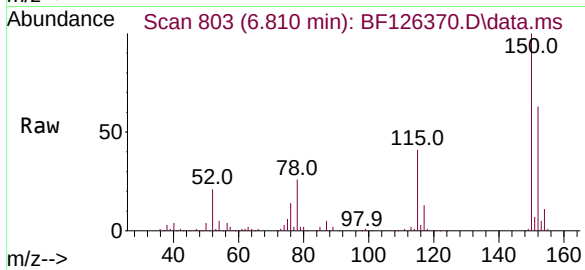




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

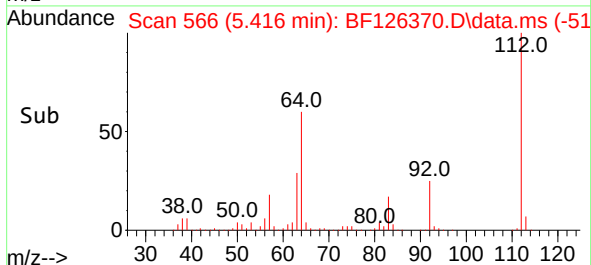
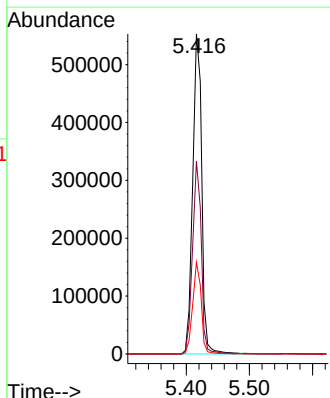
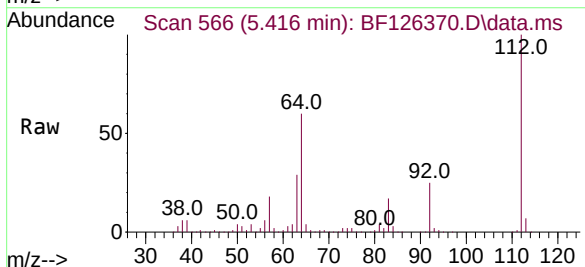
Instrument :
BNA_F
ClientSampleId :
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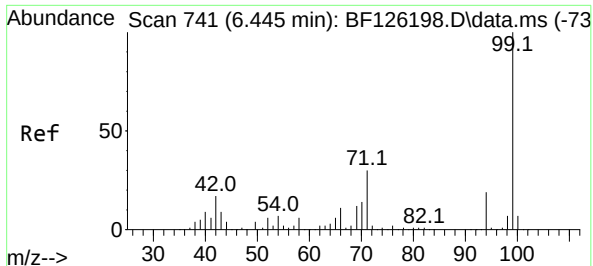
Tgt Ion:152 Resp: 101806
Ion Ratio Lower Upper
152 100
150 158.1 117.6 176.4
115 64.3 47.1 70.7



#5
2-Fluorophenol
Concen: 79.195 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion:112 Resp: 547486
Ion Ratio Lower Upper
112 100
64 60.2 44.2 66.2
63 28.6 26.2 39.2

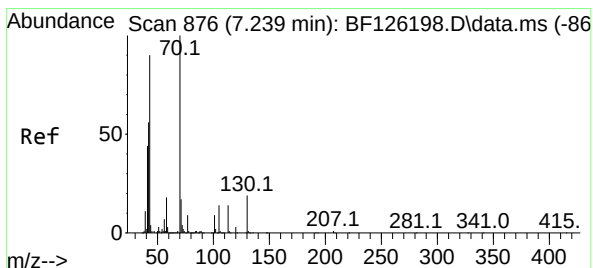
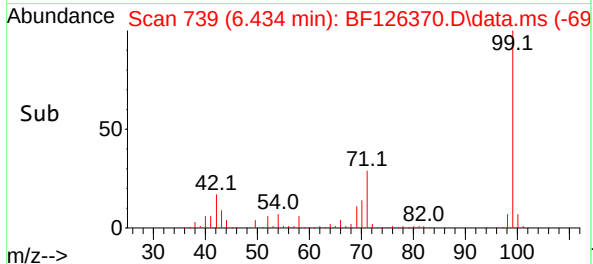
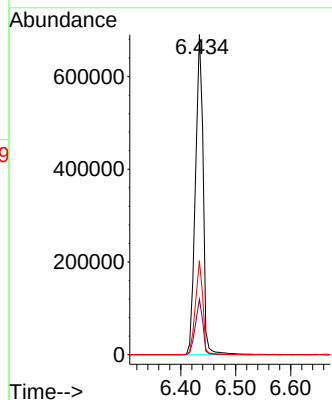
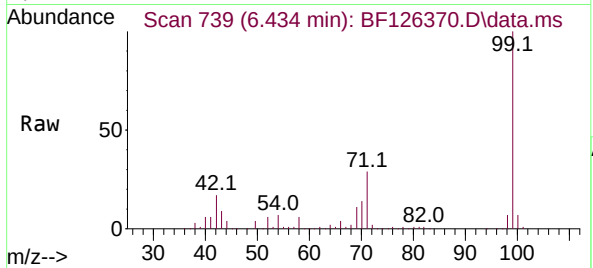




#7
Phenol-d6
Concen: 76.382 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

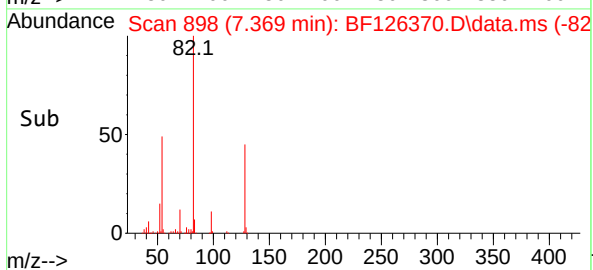
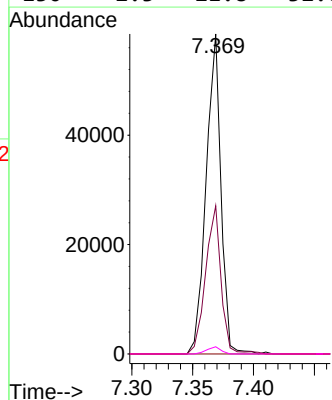
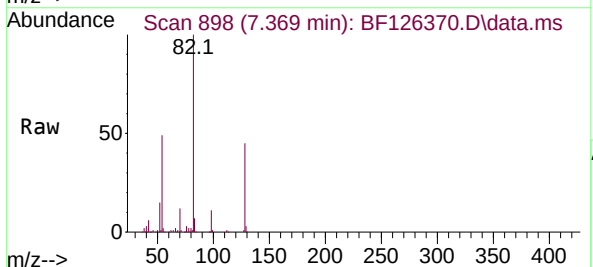
Instrument :
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ClientSampleId :
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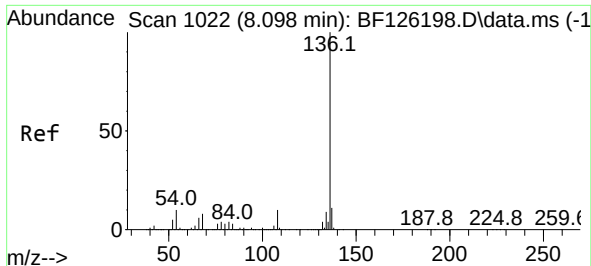
Tgt Ion: 99 Resp: 670474
Ion Ratio Lower Upper
99 100
42 17.3 23.5 35.3#
71 29.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.165 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.135 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion: 70 Resp: 49388
Ion Ratio Lower Upper
70 100
42 46.3 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#

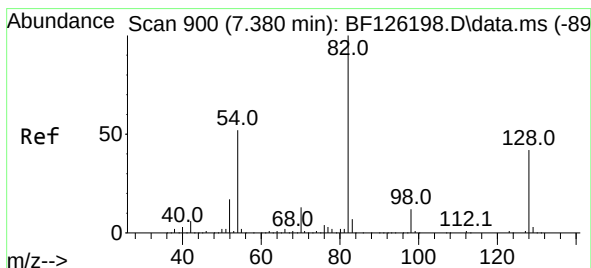
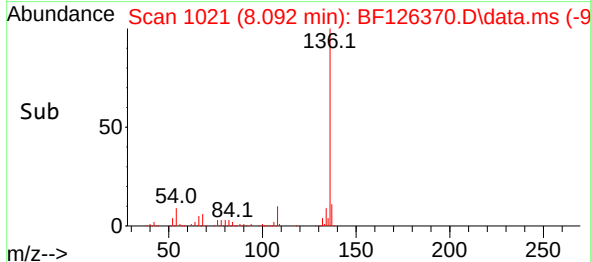
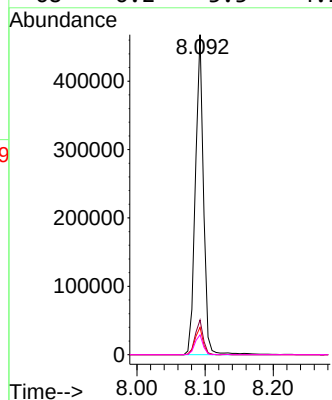
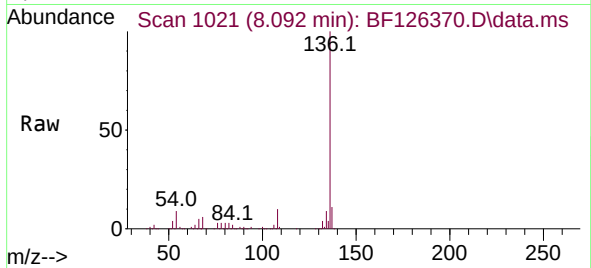




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

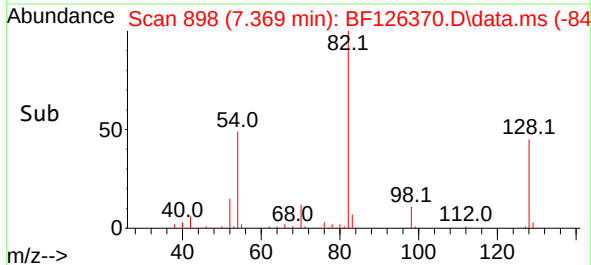
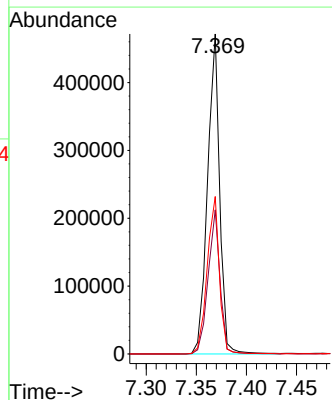
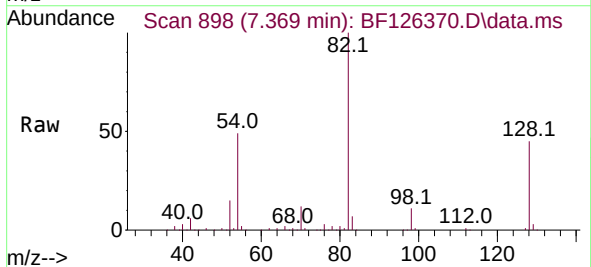
Instrument :
BNA_F
ClientSampleId :
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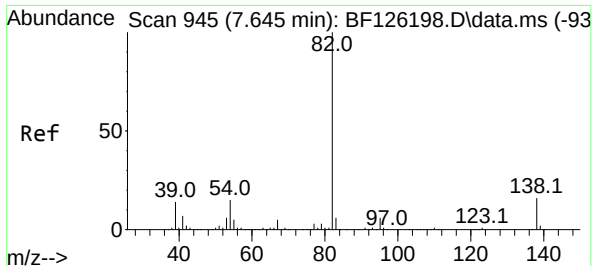
Tgt Ion:136	Resp: 384714
Ion Ratio	Lower Upper
136 100	
137 10.9	9.8 14.6
54 8.5	6.4 9.6
68 6.2	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 56.112 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion: 82	Resp: 398587
Ion Ratio	Lower Upper
82 100	
128 45.0	40.6 60.8
54 49.2	49.6 74.4#

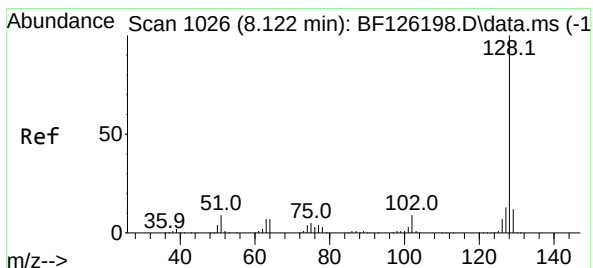
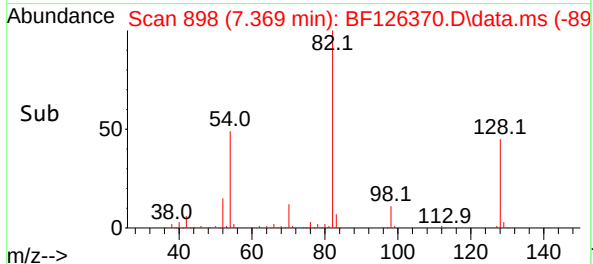
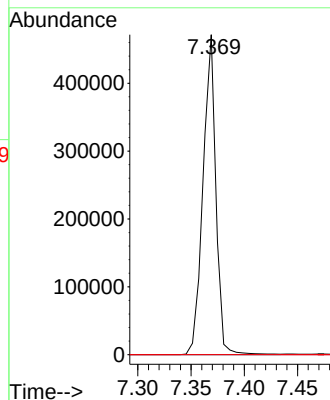
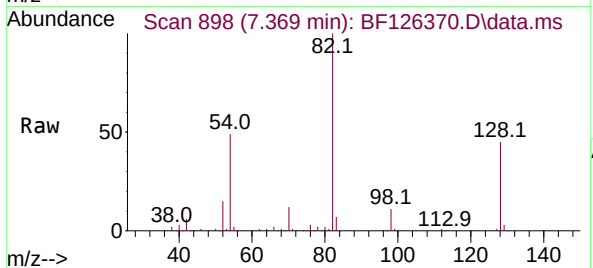




#25
Isophorone
Concen: 29.714 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

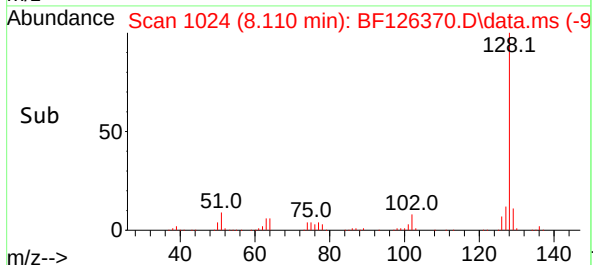
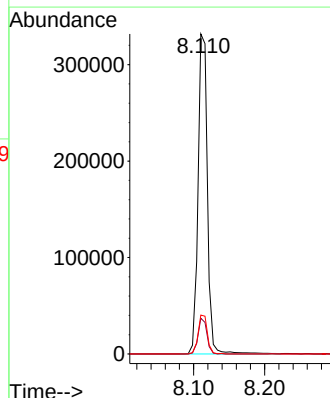
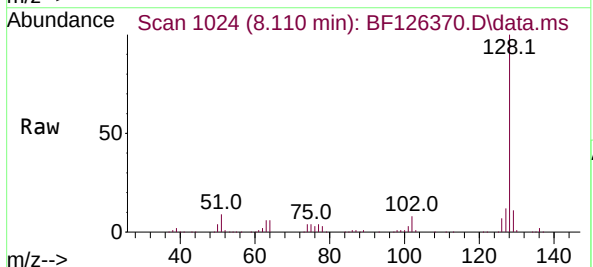
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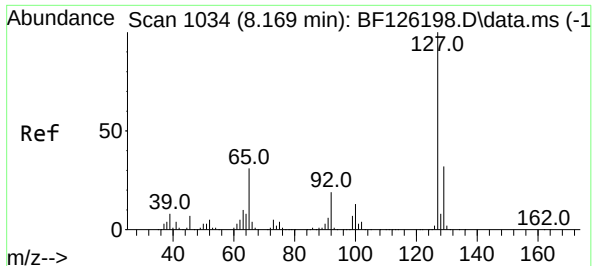
Tgt Ion: 82 Resp: 398583
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 16.963 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion: 128 Resp: 305178
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.0
127 12.2 10.9 16.3

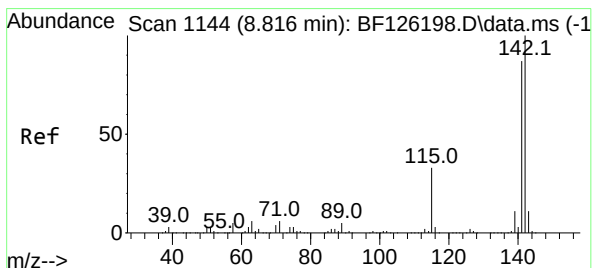
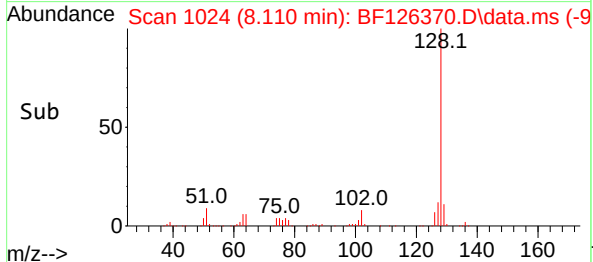
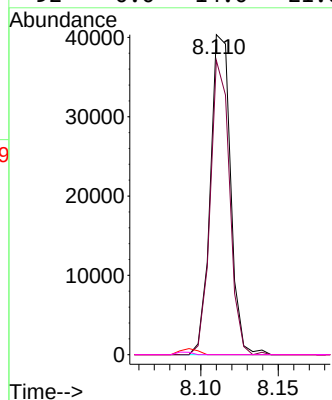
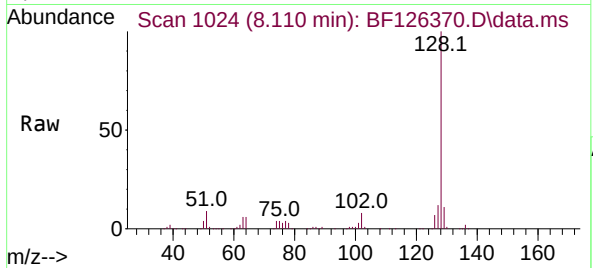




#33
4-Chloroaniline
Concen: 4.880 ng
RT: 8.110 min Scan# 1034
Delta R.T. -0.059 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

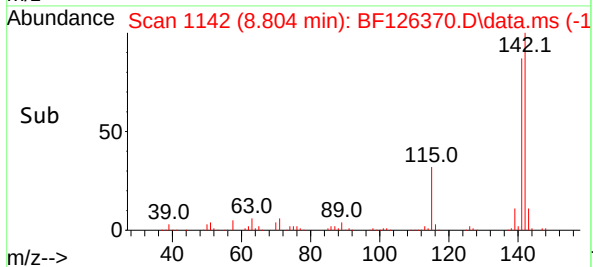
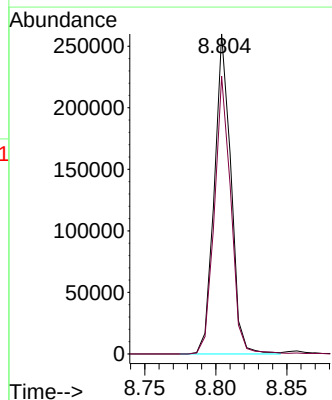
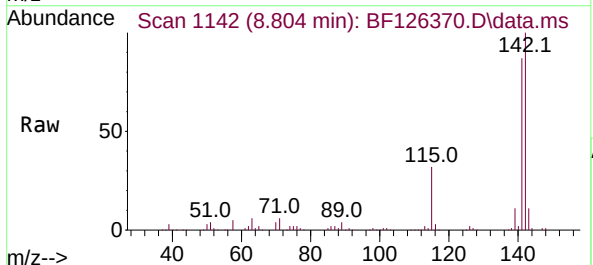
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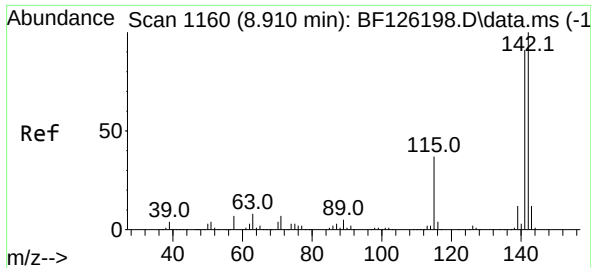
Tgt Ion:127	Resp:	36659
Ion Ratio	Lower	Upper
127	100	
129	91.9	25.7 38.5#
65	0.0	21.2 31.8#
92	0.0	14.0 21.0#



#37
2-Methylnaphthalene
Concen: 19.025 ng
RT: 8.804 min Scan# 1142
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion:142	Resp:	210789
Ion Ratio	Lower	Upper
142	100	
141	86.8	71.2 106.8





#38

1-Methylnaphthalene

Concen: 8.987 ng

RT: 8.904 min Scan# 1159

Delta R.T. -0.012 min

Lab File: BF126370.D

Acq: 27 Dec 2021 22:46

Instrument :

BNA_F

ClientSampleId :

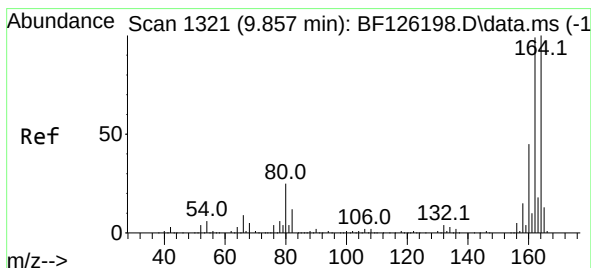
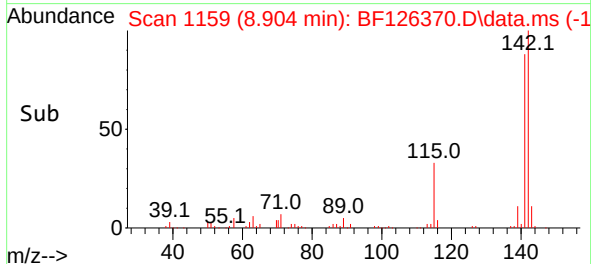
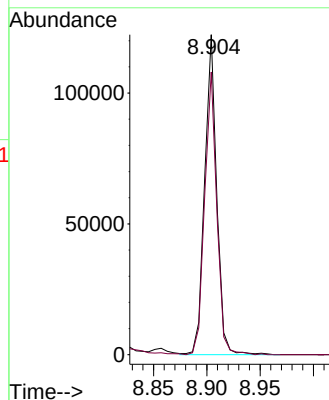
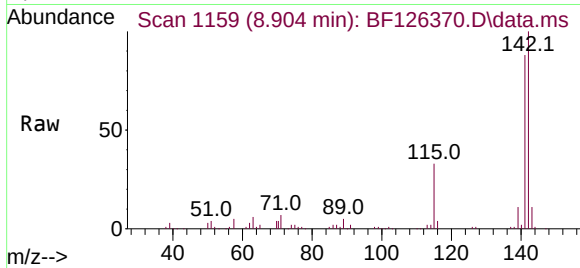
PSC124019

Tgt Ion:142 Resp: 96637

Ion Ratio Lower Upper

142 100

141 88.4 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: BF126370.D

Acq: 27 Dec 2021 22:46

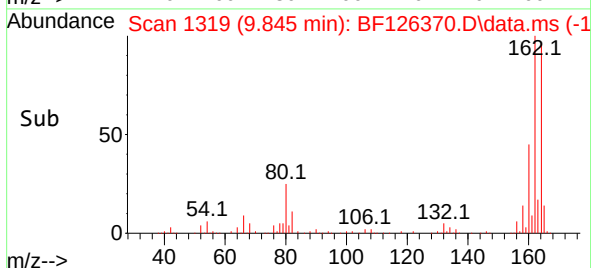
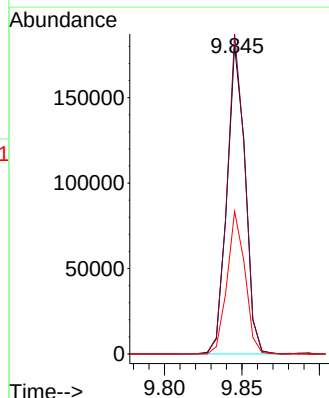
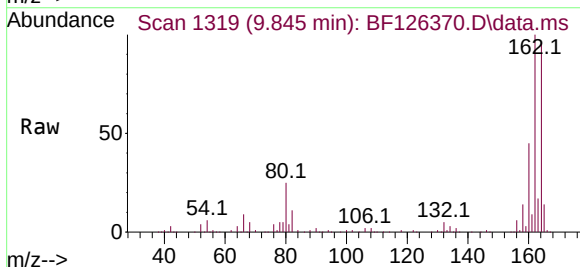
Tgt Ion:164 Resp: 147200

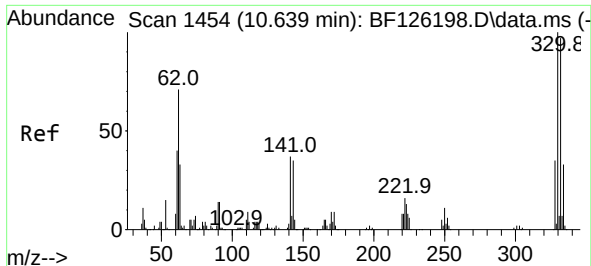
Ion Ratio Lower Upper

164 100

162 103.8 81.3 121.9

160 46.3 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 80.112 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.012 min

Lab File: BF126370.D

Acq: 27 Dec 2021 22:46

Instrument :

BNA_F

ClientSampleId :

PSC124019

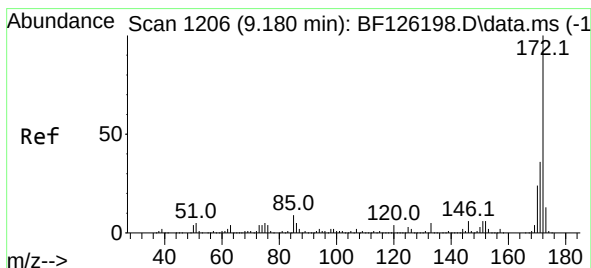
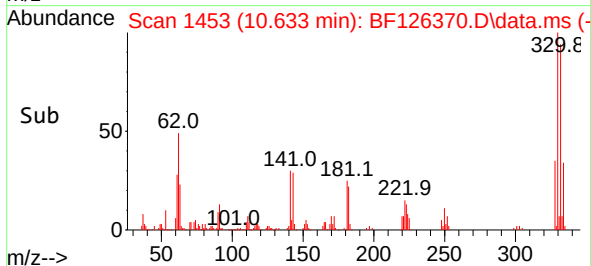
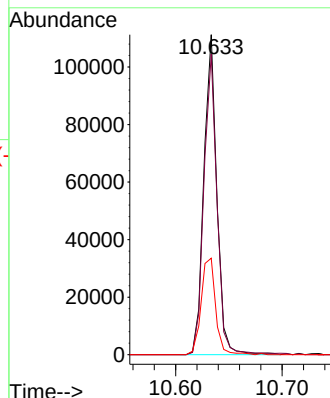
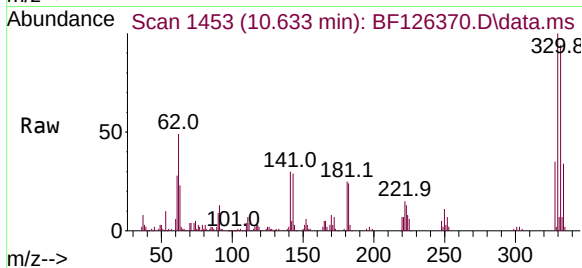
Tgt Ion:330 Resp: 94770

Ion Ratio Lower Upper

330 100

332 95.1 76.2 114.4

141 33.7 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 63.439 ng

RT: 9.169 min Scan# 1204

Delta R.T. -0.012 min

Lab File: BF126370.D

Acq: 27 Dec 2021 22:46

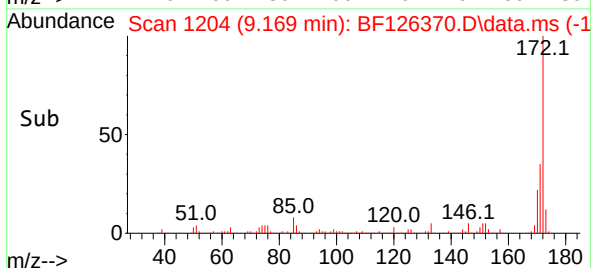
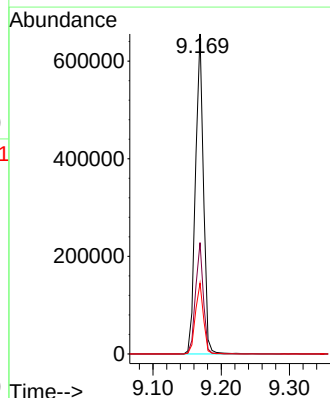
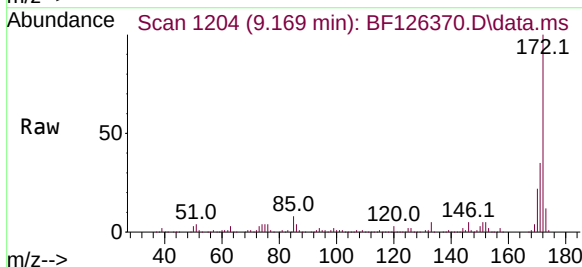
Tgt Ion:172 Resp: 532436

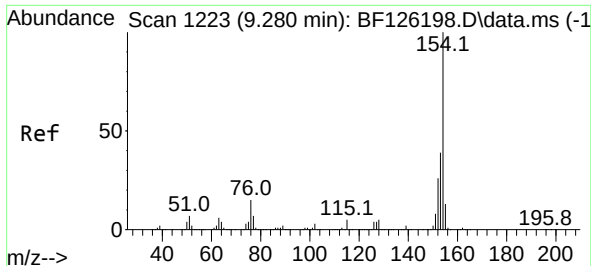
Ion Ratio Lower Upper

172 100

171 34.8 26.5 39.7

170 22.2 18.8 28.2

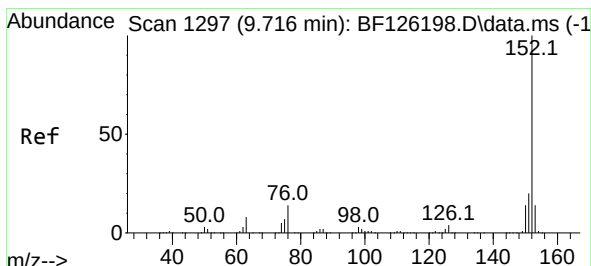
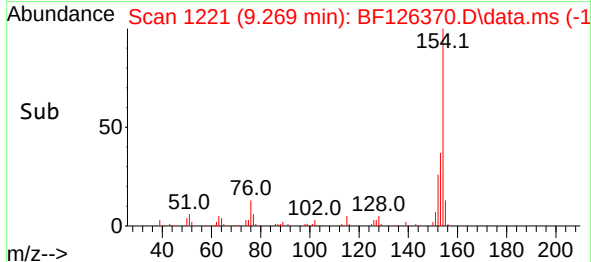
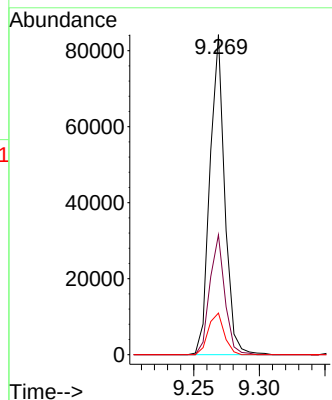
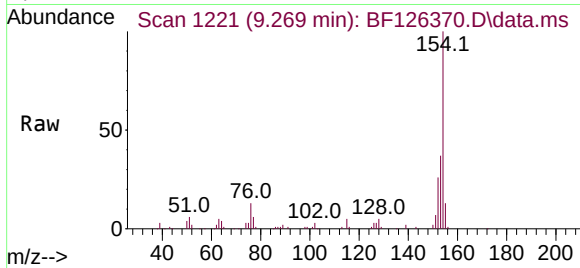




#46
1,1'-Biphenyl
Concen: 6.080 ng
RT: 9.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

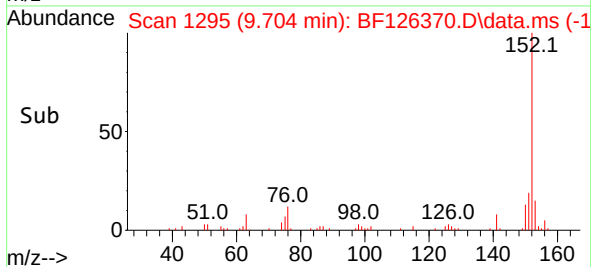
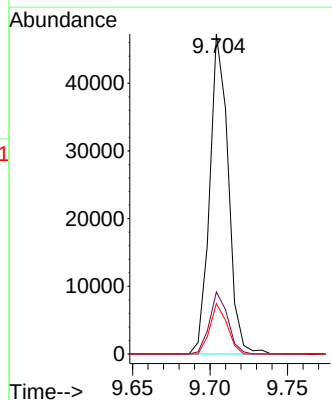
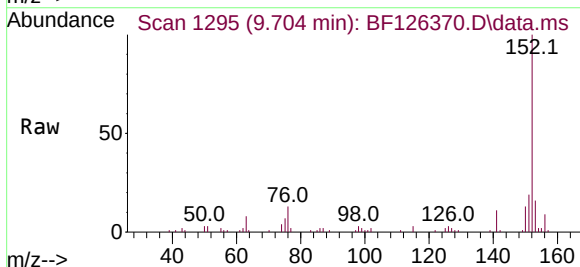
Instrument :
BNA_F
ClientSampleId :
PSC124019

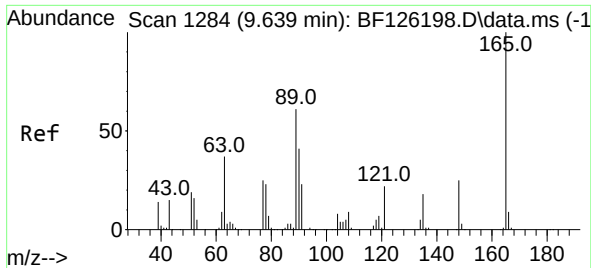
Tgt Ion:154 Resp: 66176
Ion Ratio Lower Upper
154 100
153 37.5 20.0 60.0
76 13.0 0.0 30.3



#49
Acenaphthylene
Concen: 3.130 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion:152 Resp: 39164
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 15.7 9.8 14.8#

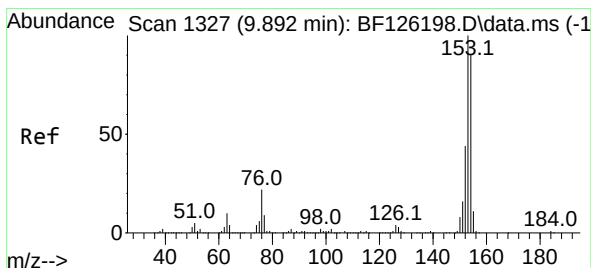
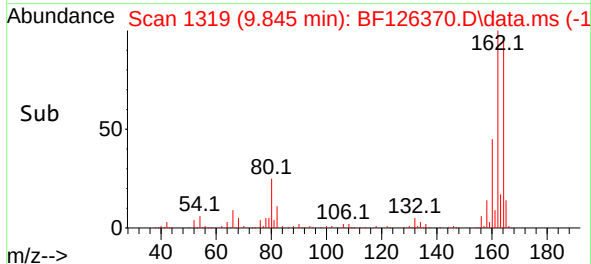
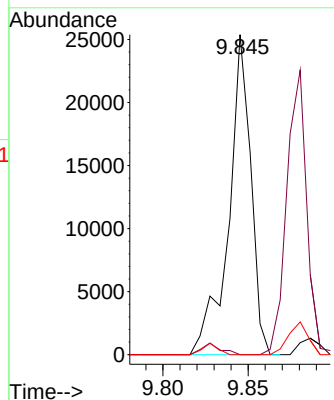
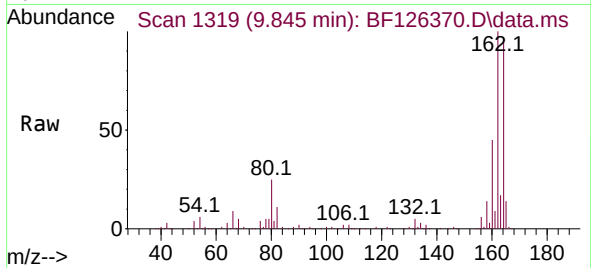




#51
2,6-Dinitrotoluene
Concen: 11.305 ng
RT: 9.845 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

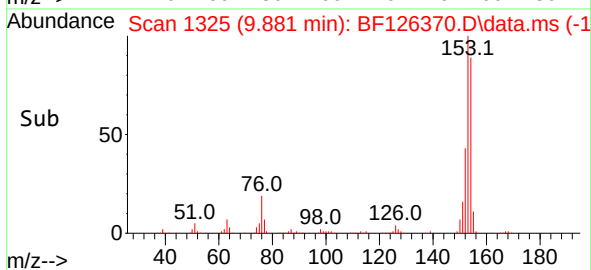
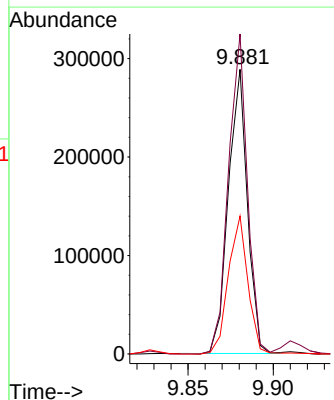
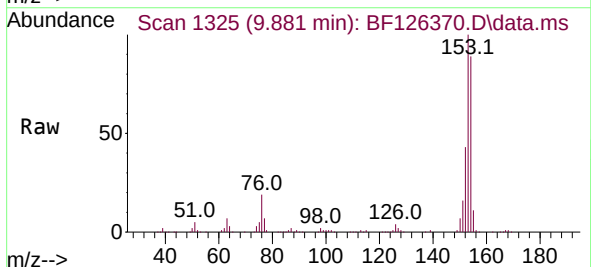
Instrument :
BNA_F
ClientSampleId :
PSC124019

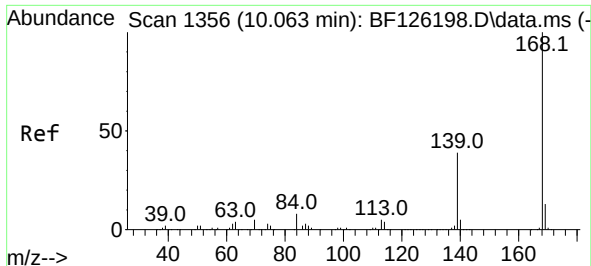
Tgt Ion:165 Resp: 22816
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#52
Acenaphthene
Concen: 27.576 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion:154 Resp: 223771
Ion Ratio Lower Upper
154 100
153 112.4 89.4 134.2
152 48.4 40.5 60.7

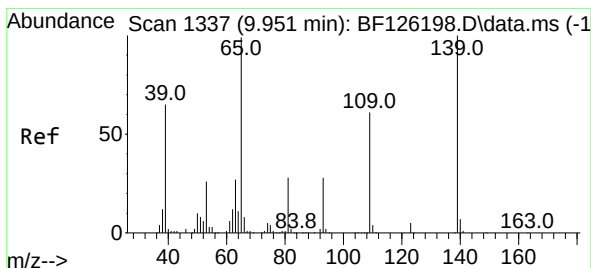
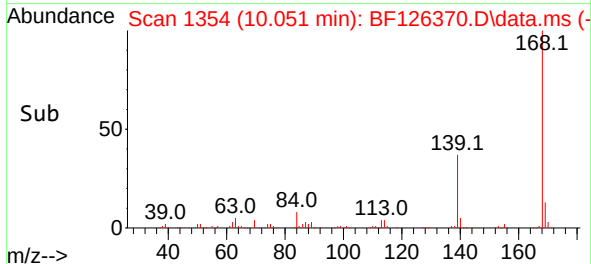
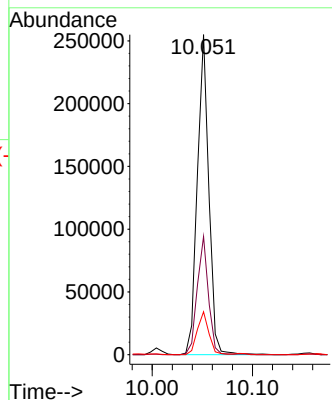
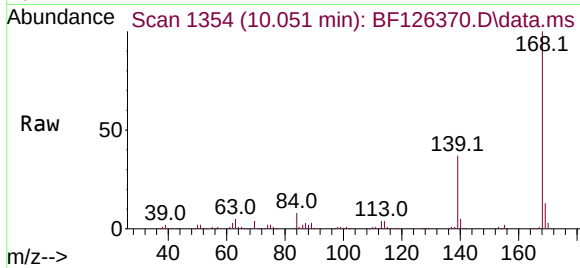




#55
Dibenzenofuran
Concen: 18.368 ng
RT: 10.051 min Scan# 1354
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

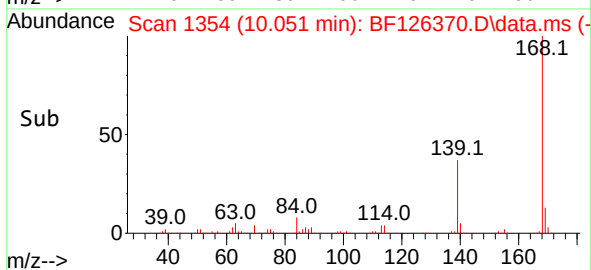
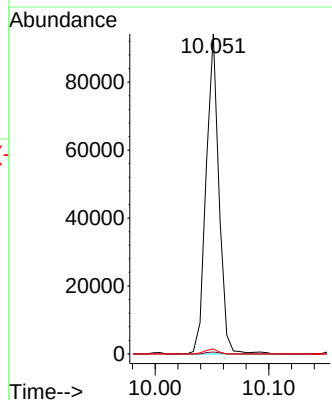
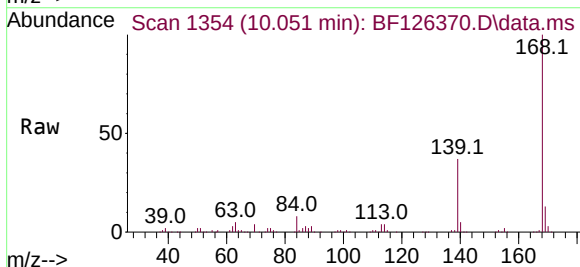
Instrument :
BNA_F
ClientSampleId :
PSC124019

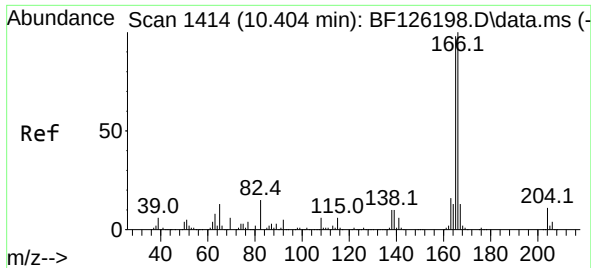
Tgt Ion:168 Resp: 202932
Ion Ratio Lower Upper
168 100
139 36.9 32.7 49.1
169 13.4 11.2 16.8



#56
4-Nitrophenol
Concen: 39.862 ng
RT: 10.051 min Scan# 1354
Delta R.T. 0.088 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

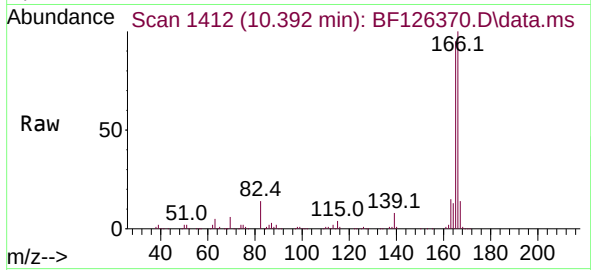
Tgt Ion:139 Resp: 73862
Ion Ratio Lower Upper
139 100
109 0.6 60.4 100.4#
65 1.5 58.4 98.4#



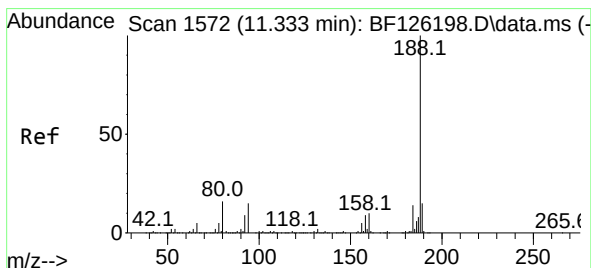
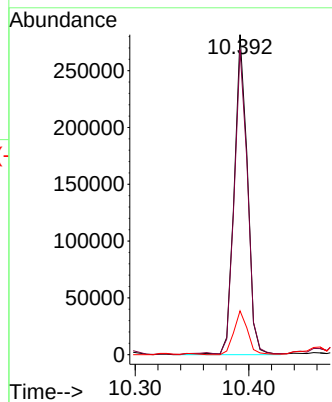
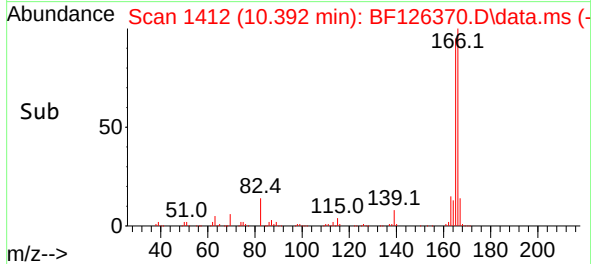


#58
Fluorene
Concen: 28.320 ng
RT: 10.392 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Instrument :
BNA_F
ClientSampleId :
PSC124019

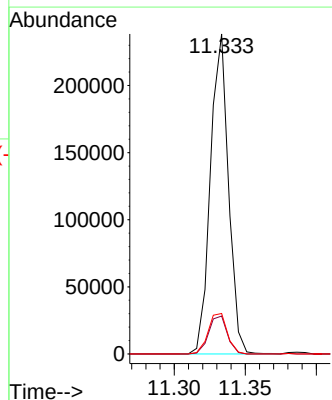
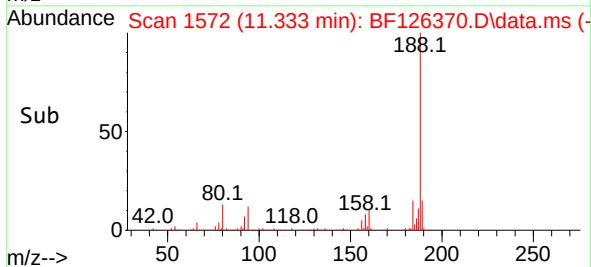
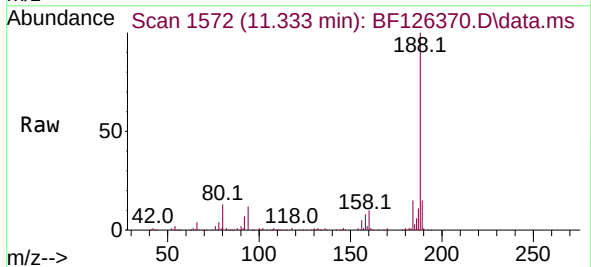


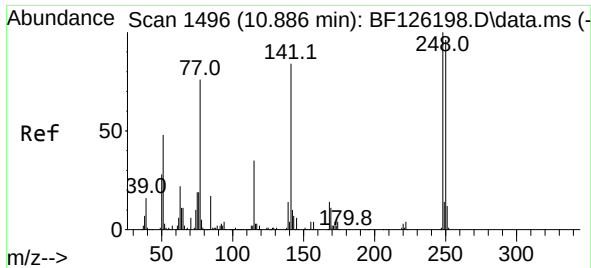
Tgt Ion:166 Resp: 226510
Ion Ratio Lower Upper
166 100
165 95.4 78.1 117.1
167 13.7 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion:188 Resp: 211159
Ion Ratio Lower Upper
188 100
94 11.9 6.7 10.1#
80 12.7 7.5 11.3#

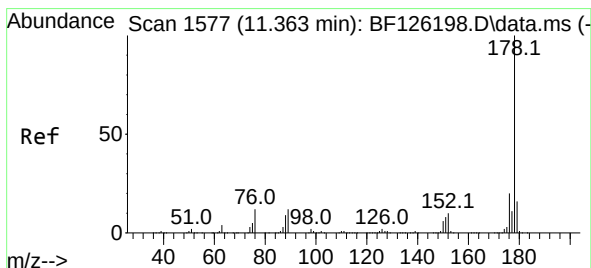
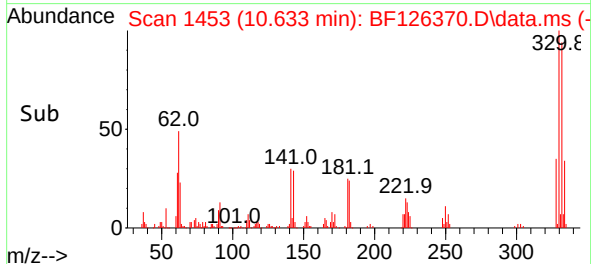
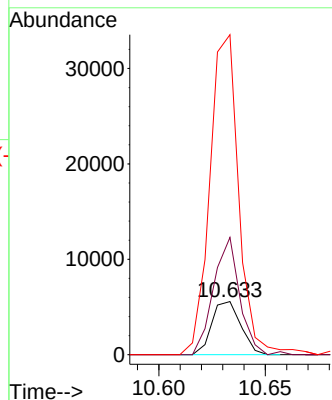
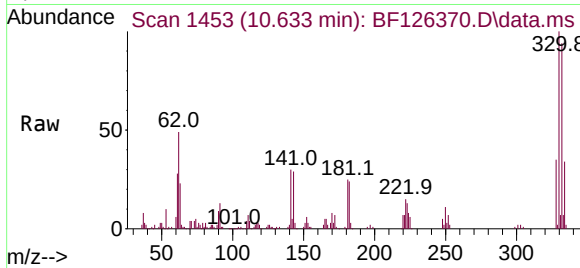




#67
4-Bromophenyl-phenylether
Concen: 2.667 ng
RT: 10.633 min Scan# 1496
Delta R.T. -0.253 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

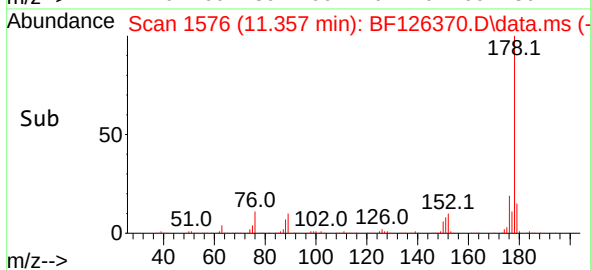
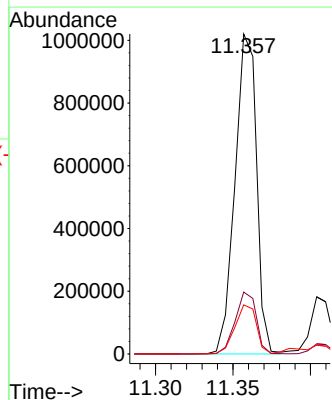
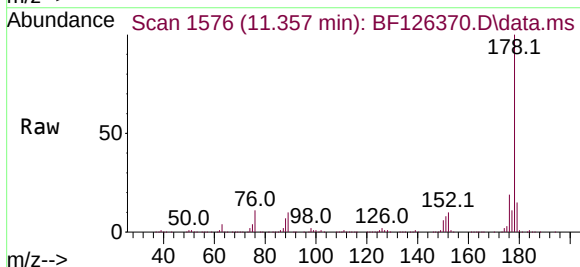
Instrument :
BNA_F
ClientSampleId :
PSC124019

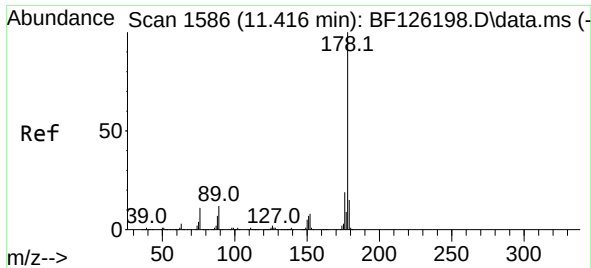
Tgt Ion:248 Resp: 5286
Ion Ratio Lower Upper
248 100
250 220.8 74.2 111.4#
141 602.2 60.4 90.6#



#71
Phenanthrene
Concen: 90.519 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion:178 Resp: 986527
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 15.3 11.5 17.3

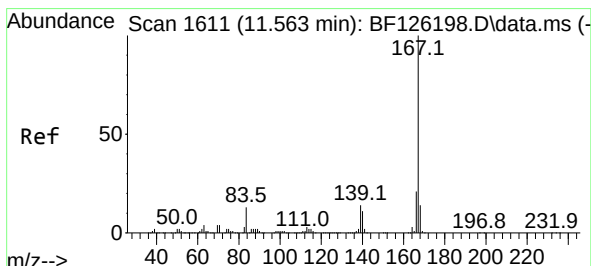
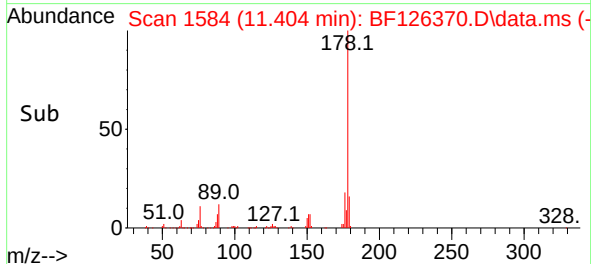
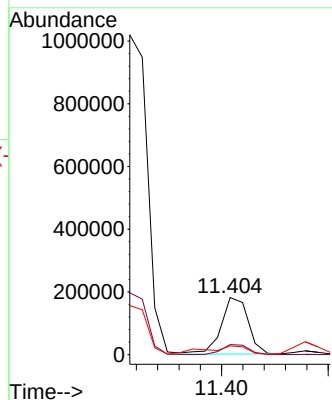
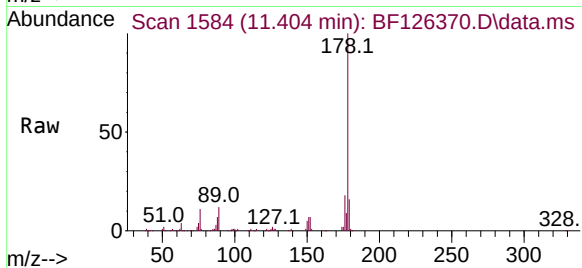




#72
 Anthracene
 Concen: 14.542 ng
 RT: 11.404 min Scan# 1586
 Delta R.T. -0.012 min
 Lab File: BF126370.D
 Acq: 27 Dec 2021 22:46

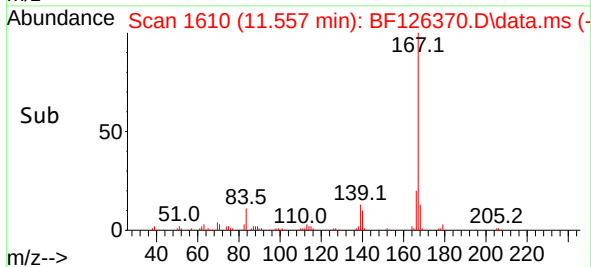
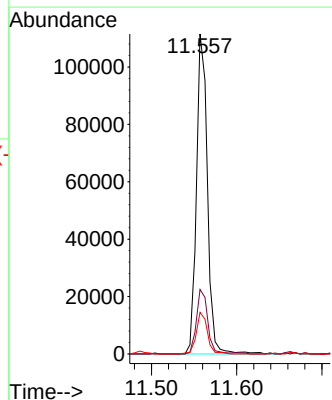
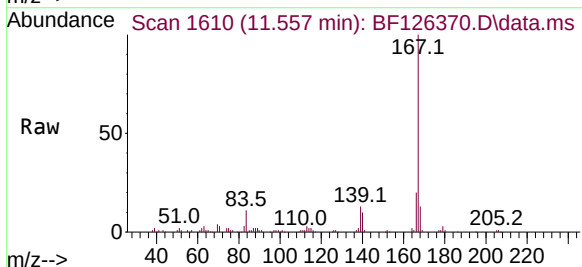
Instrument :
 BNA_F
 ClientSampleId :
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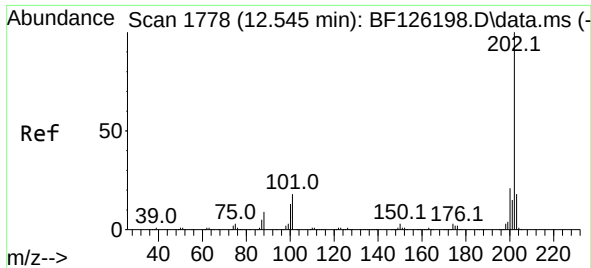
Tgt Ion:178 Resp: 159070
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.3 21.5
 179 15.5 12.2 18.4



#73
 Carbazole
 Concen: 9.667 ng
 RT: 11.557 min Scan# 1610
 Delta R.T. -0.012 min
 Lab File: BF126370.D
 Acq: 27 Dec 2021 22:46

Tgt Ion:167 Resp: 99590
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.4 26.0
 139 13.0 11.0 16.4

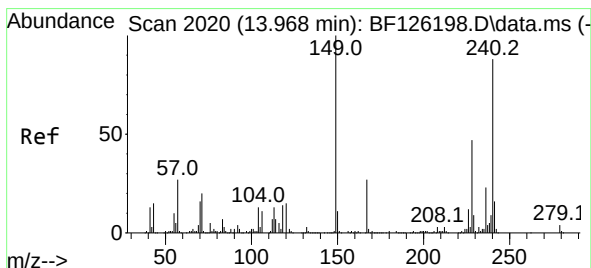
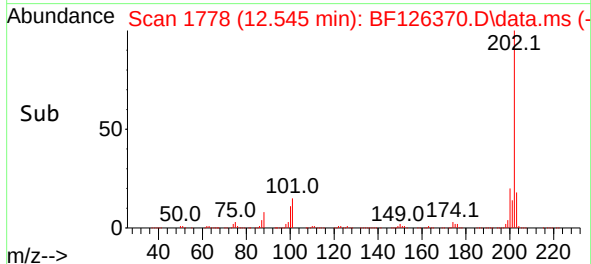
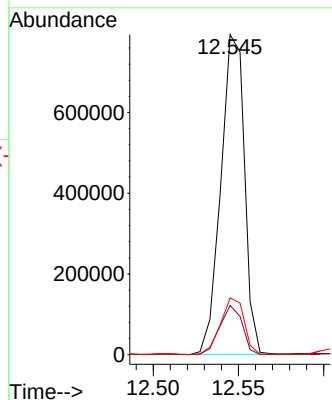
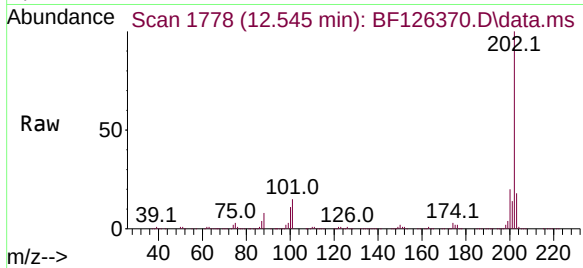




#75
Fluoranthene
Concen: 77.844 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

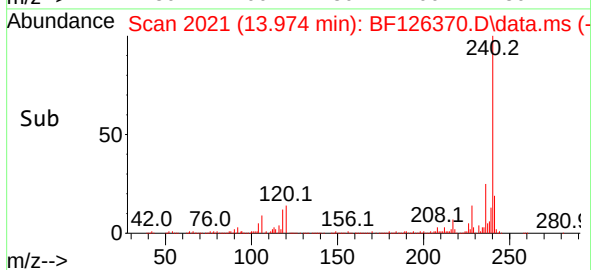
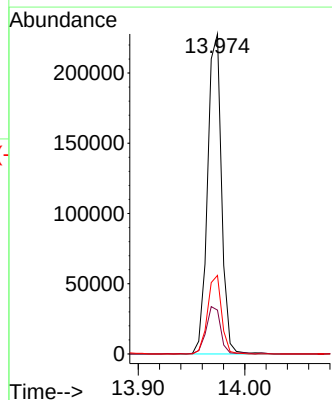
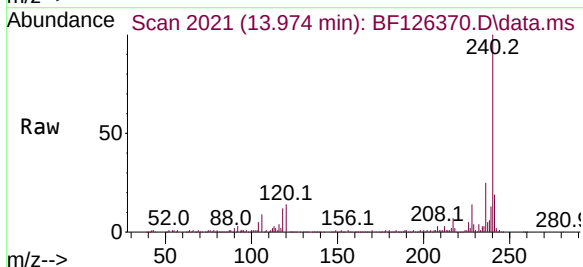
Instrument :
BNA_F
ClientSampleId :
PSC124019

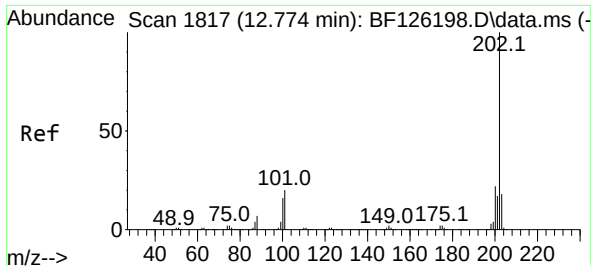
Tgt Ion:202 Resp: 764381
Ion Ratio Lower Upper
202 100
101 15.4 0.0 30.7
203 17.8 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion:240 Resp: 207394
Ion Ratio Lower Upper
240 100
120 13.7 10.8 16.2
236 24.6 21.6 32.4

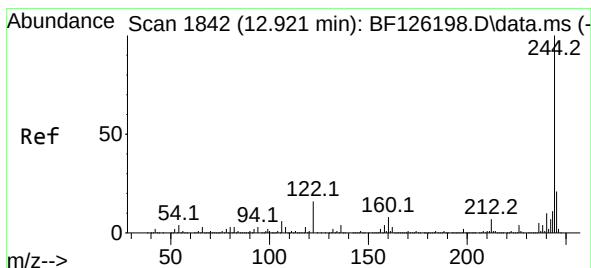
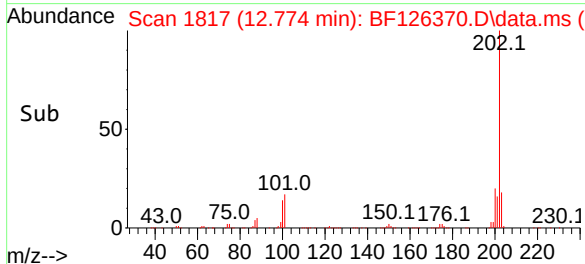
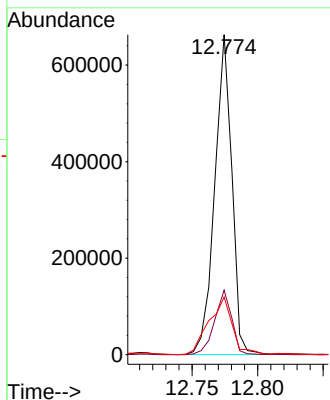
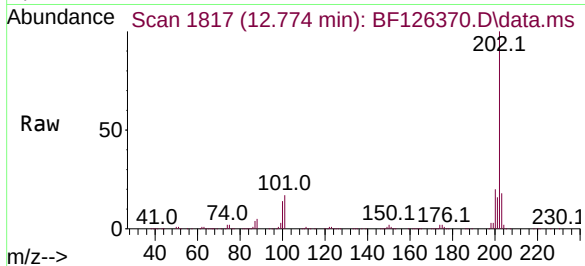




#78
Pyrene
Concen: 31.434 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

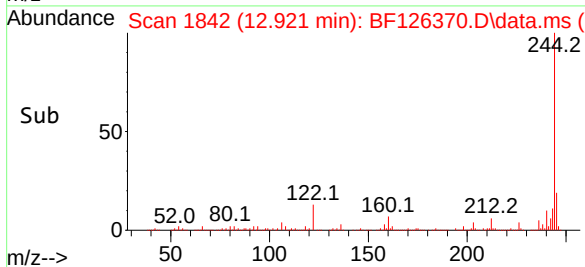
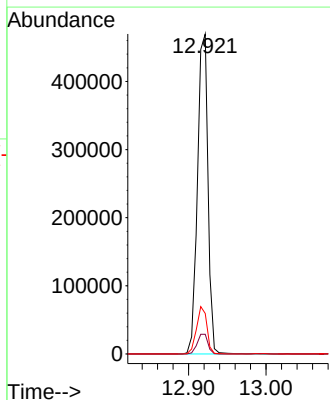
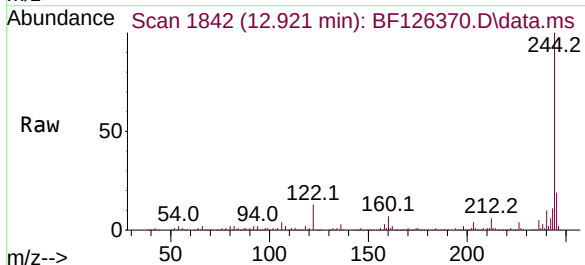
Instrument :
BNA_F
ClientSampleId :
PSC124019

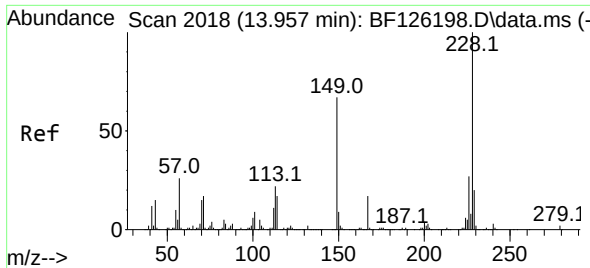
Tgt Ion:202 Resp: 598940
Ion Ratio Lower Upper
202 100
200 20.2 15.3 22.9
203 18.0 13.4 20.0



#79
Terphenyl-d14
Concen: 36.982 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion:244 Resp: 441273
Ion Ratio Lower Upper
244 100
212 6.1 5.9 8.9
122 12.7 9.0 13.4

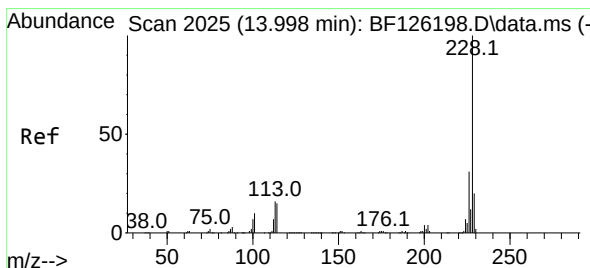
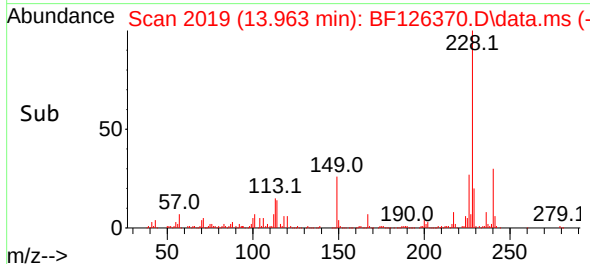
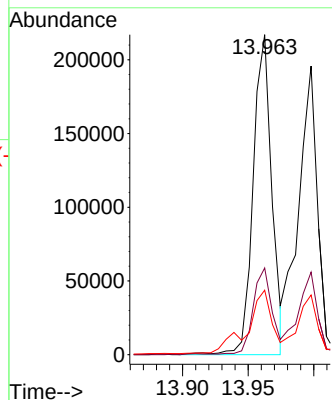
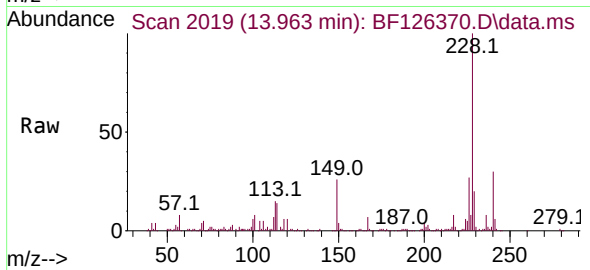




#81
Benzo(a)anthracene
Concen: 17.444 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

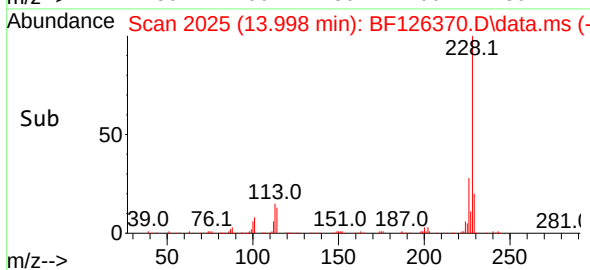
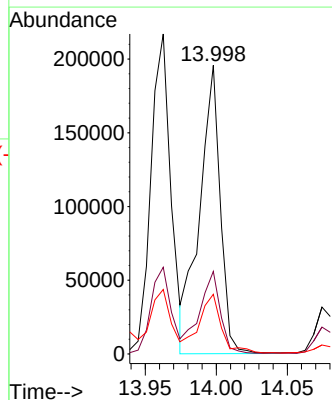
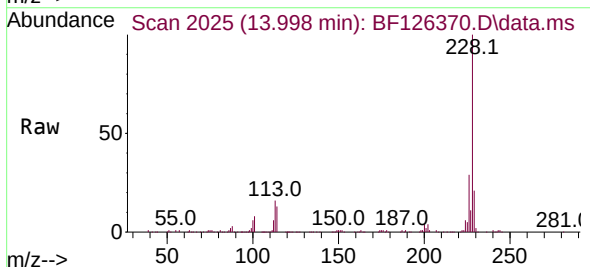
Instrument :
BNA_F
ClientSampleId :
PSC124019

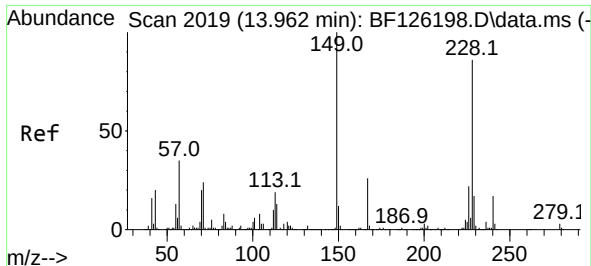
Tgt Ion:228 Resp: 214303
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 20.2 15.6 23.4



#83
Chrysene
Concen: 15.622 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion:228 Resp: 199405
Ion Ratio Lower Upper
228 100
226 28.6 22.6 34.0
229 20.7 15.9 23.9

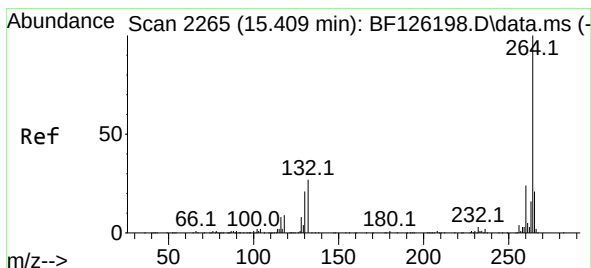
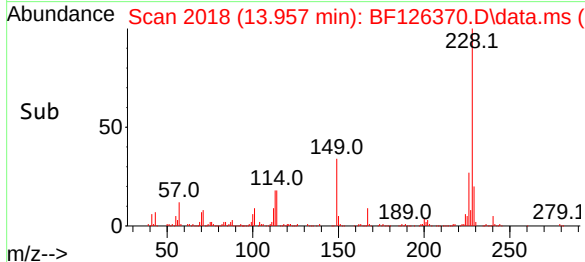
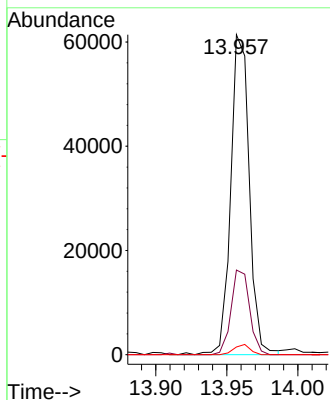
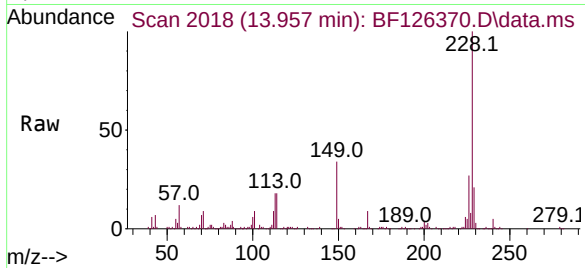




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.557 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

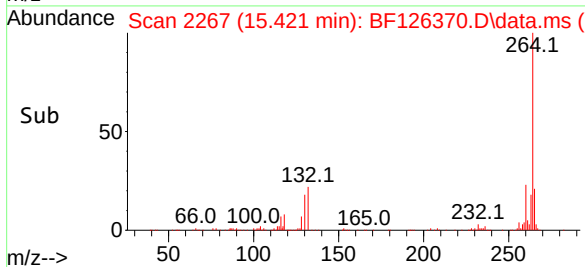
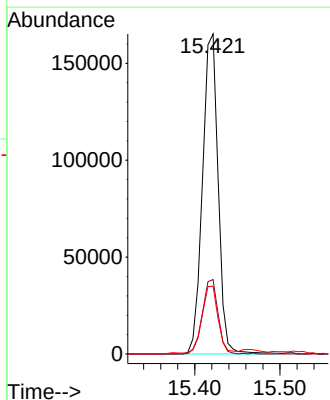
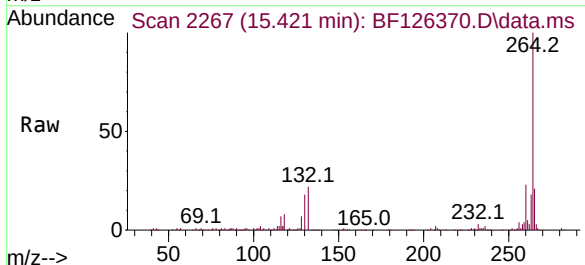
Instrument :
BNA_F
ClientSampleId :
PSC124019

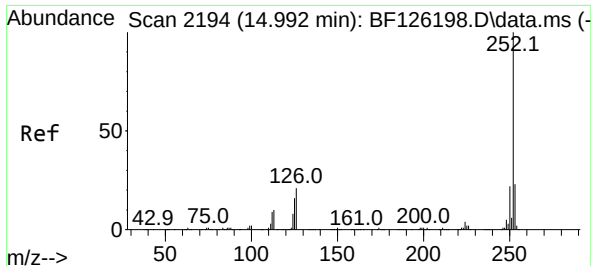
Tgt Ion:149 Resp: 55677
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 2.4 2.6 4.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion:264 Resp: 210948
Ion Ratio Lower Upper
264 100
260 23.3 19.6 29.4
265 21.2 17.2 25.8

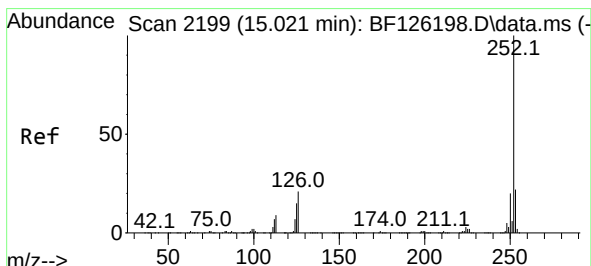
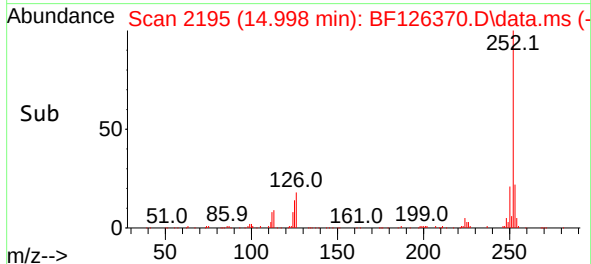
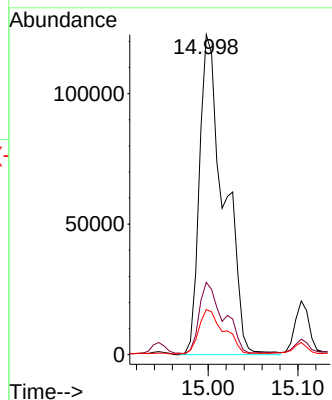
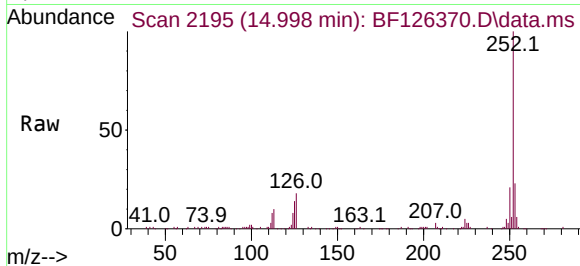




#88
Benzo(b)fluoranthene
Concen: 18.425 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

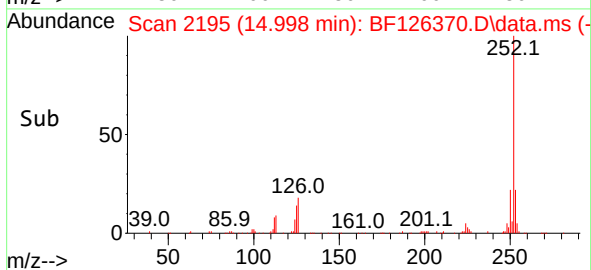
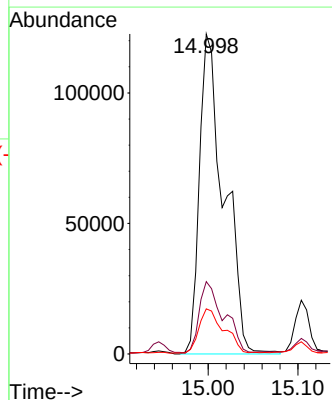
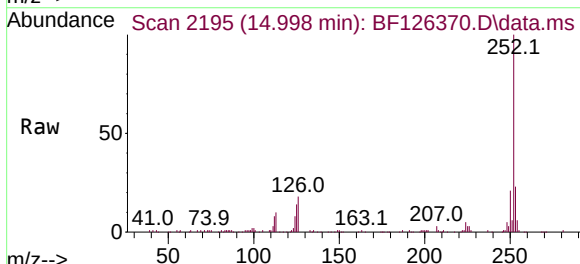
Instrument :
BNA_F
ClientSampleId :
PSC124019

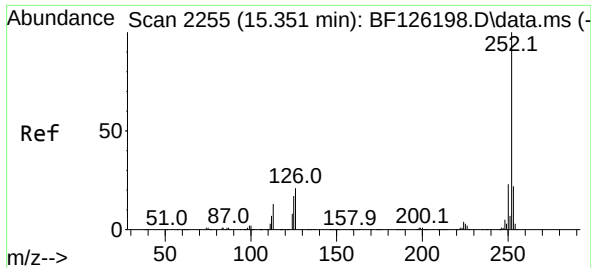
Tgt Ion:252 Resp: 233529
Ion Ratio Lower Upper
252 100
253 22.6 16.8 25.2
125 14.1 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 19.260 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.035 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion:252 Resp: 233529
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 14.1 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 8.810 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126370.D

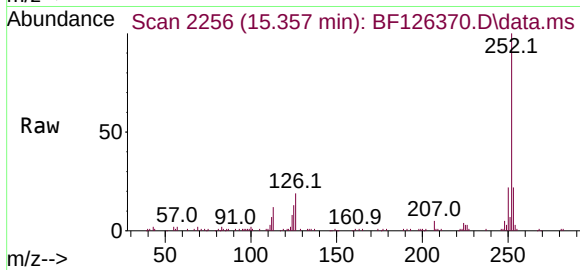
Acq: 27 Dec 2021 22:46

Instrument :

BNA_F

ClientSampleId :

PSC124019



Tgt Ion:252 Resp: 92811

Ion Ratio Lower Upper

252 100

253 21.8 18.4 27.6

125 13.4 9.9 14.9

