

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
 Data File : BF126101.D
 Acq On : 10 Nov 2021 11:38
 Operator : JU/CG
 Sample : M4475-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB01A

Quant Time: Nov 10 14:23:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

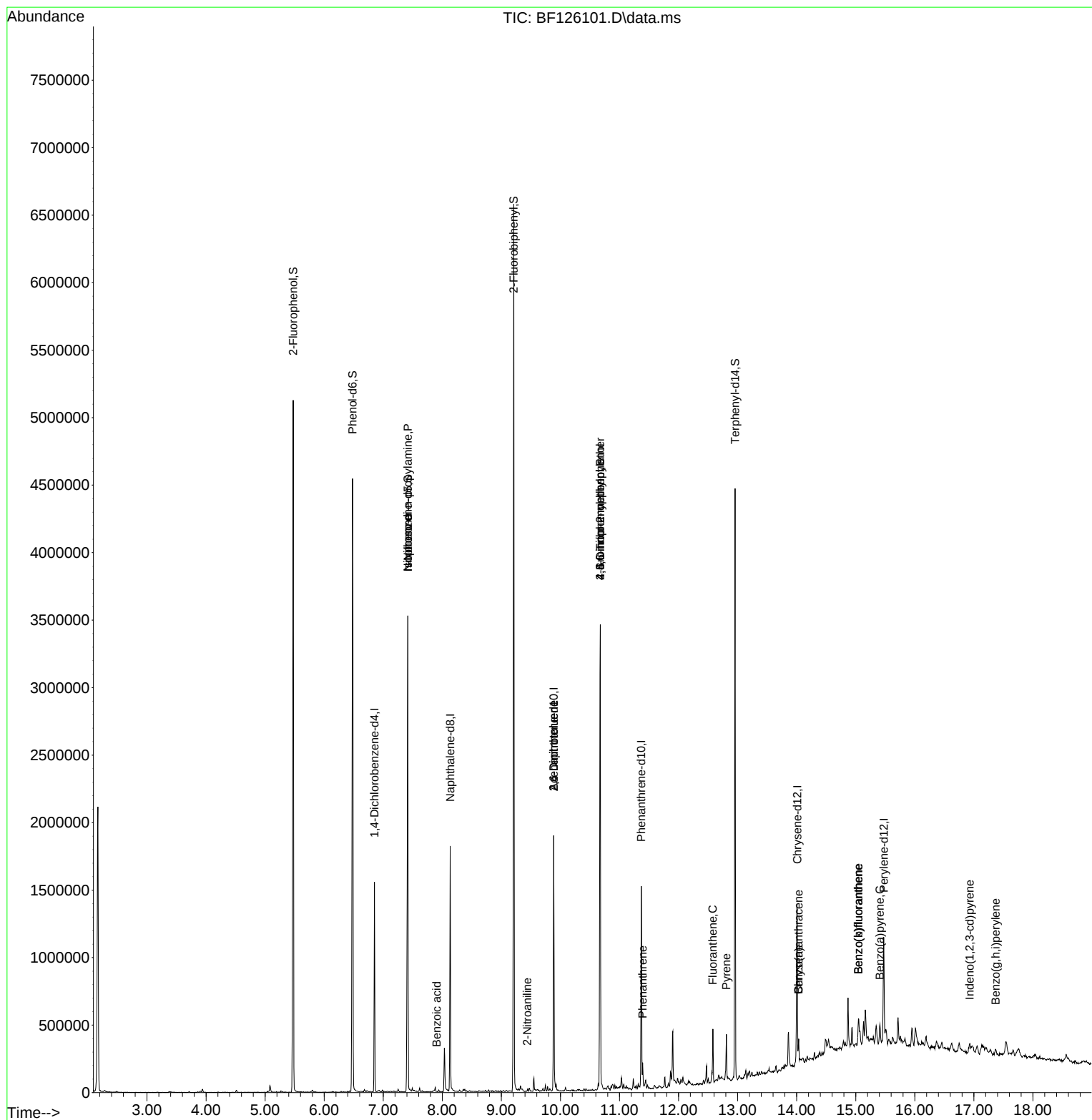
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	189811	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	654112	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	342895	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	512114	20.000	ng	0.00
76) Chrysene-d12	14.010	240	401179	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	353657	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1162129	105.141	ng	0.01
7) Phenol-d6	6.481	99	1477215	94.808	ng	0.00
23) Nitrobenzene-d5	7.416	82	1090798	78.645	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	372490	94.791	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1780644	70.176	ng	0.00
79) Terphenyl-d14	12.957	244	1265354	50.861	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	732	Below Cal		81
19) n-Nitroso-di-n-propyla...	7.416	70	157602	15.343	ng	# 59
25) Isophorone	7.416	82	1083705	43.397	ng	# 59
32) Benzoic acid	7.904	122	108	9.158	ng	# 17
48) 2-Nitroaniline	9.439	65	228	2.881	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	43892	10.257	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	43892	9.816	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.674	198	893	8.616	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	23958	3.862	ng	# 1
71) Phenanthrene	11.392	178	56056	2.018	ng	97
75) Fluoranthene	12.580	202	140108	4.530	ng	97
78) Pyrene	12.810	202	129914	4.038	ng	95
81) Benzo(a)anthracene	14.033	228	76420	2.773	ng	92
83) Chrysene	14.033	228	76393	2.979	ng	94
87) Indeno(1,2,3-cd)pyrene	16.927	276	43259	2.067	ng	# 81
88) Benzo(b)fluoranthene	15.045	252	140062	6.089	ng	# 89
89) Benzo(k)fluoranthene	15.045	252	140014	6.275	ng	# 90
90) Benzo(a)pyrene	15.409	252	72737	4.013	ng	95
92) Benzo(g,h,i)perylene	17.368	276	41333	2.507	ng	# 83

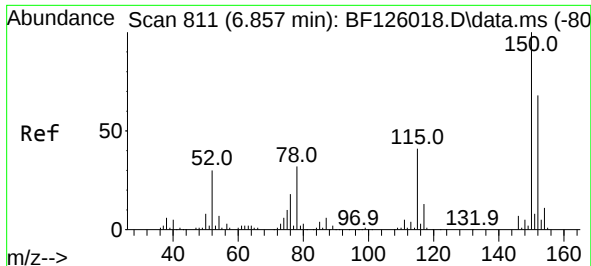
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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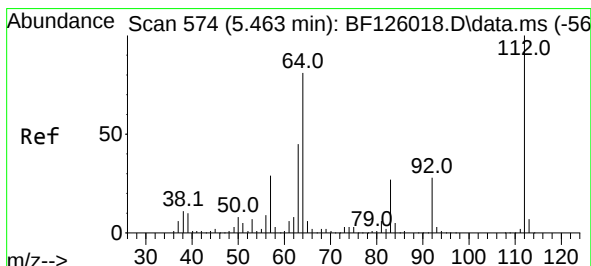
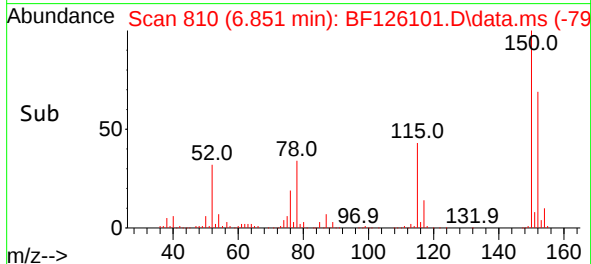
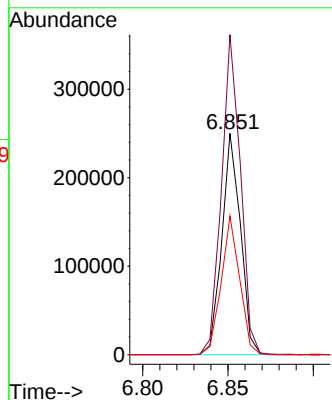
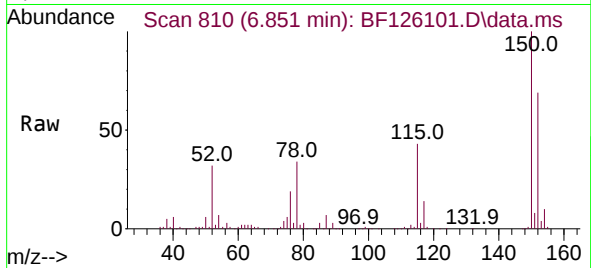




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

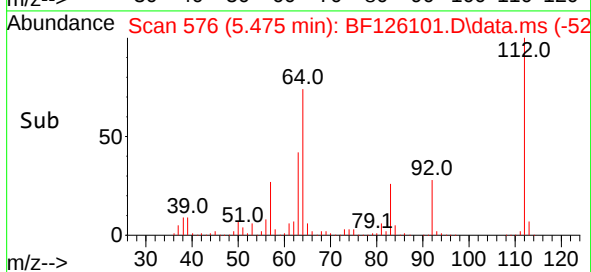
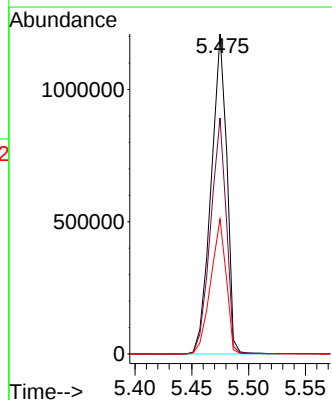
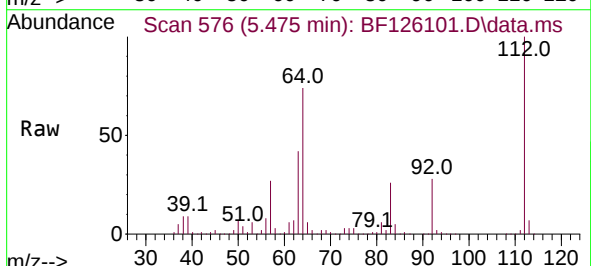
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BNA_F
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SB01A

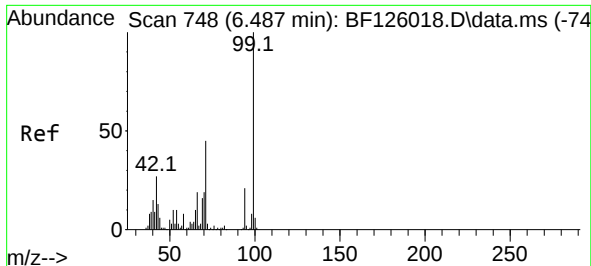
Tgt Ion:152 Resp: 189811
Ion Ratio Lower Upper
152 100
150 144.6 117.6 176.4
115 62.6 47.1 70.7



#5
2-Fluorophenol
Concen: 105.141 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

Tgt Ion:112 Resp: 1162129
Ion Ratio Lower Upper
112 100
64 73.8 44.2 66.2#
63 42.2 26.2 39.2#

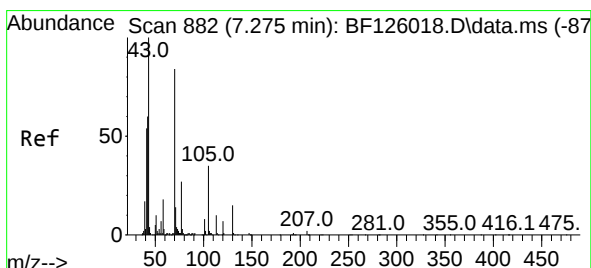
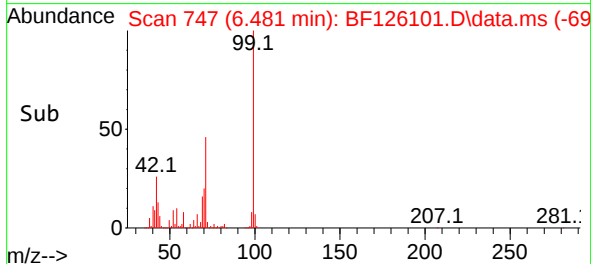
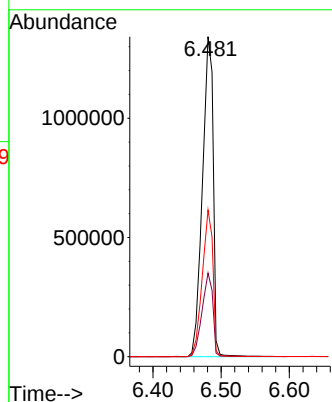
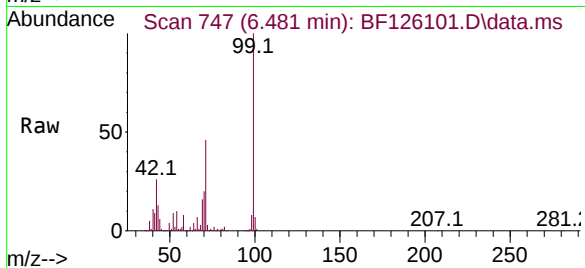




#7
Phenol-d6
Concen: 94.808 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

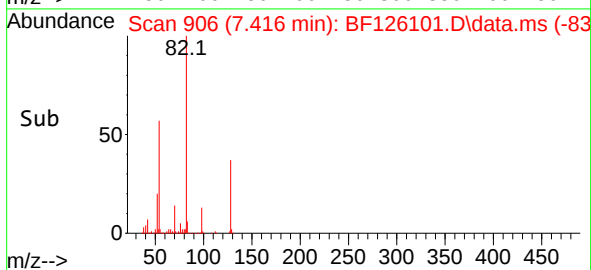
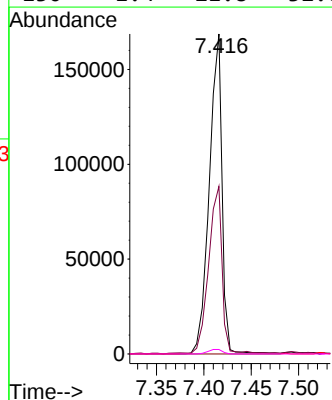
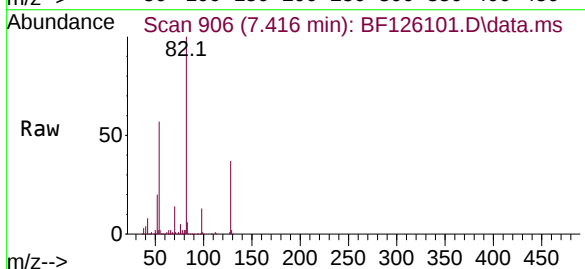
Instrument :
BNA_F
ClientSampleId :
SB01A

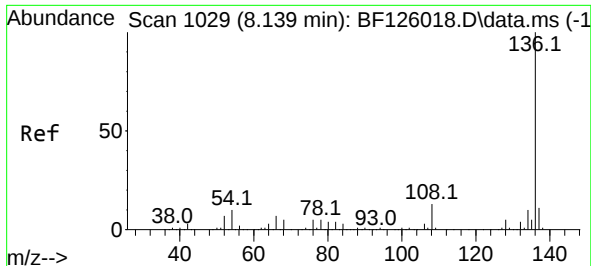
Tgt Ion: 99 Resp: 1477215
Ion Ratio Lower Upper
99 100
42 26.1 23.5 35.3
71 45.8 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 15.343 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

Tgt Ion: 70 Resp: 157602
Ion Ratio Lower Upper
70 100
42 52.3 72.2 108.2#
101 0.0 7.8 11.8#
130 1.4 21.8 32.6#

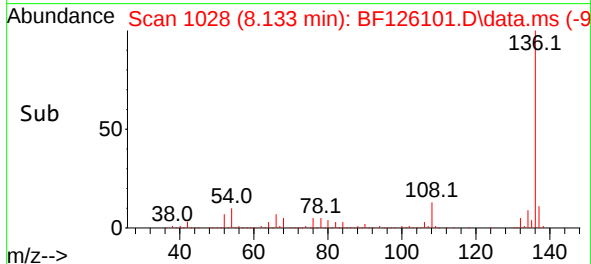
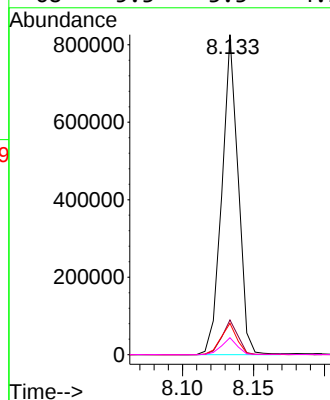
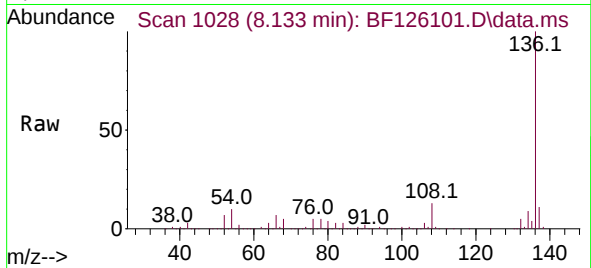




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

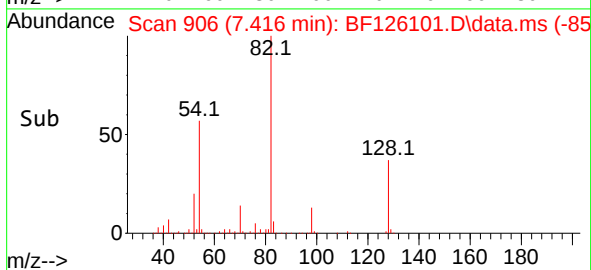
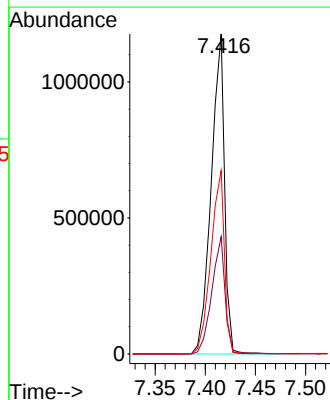
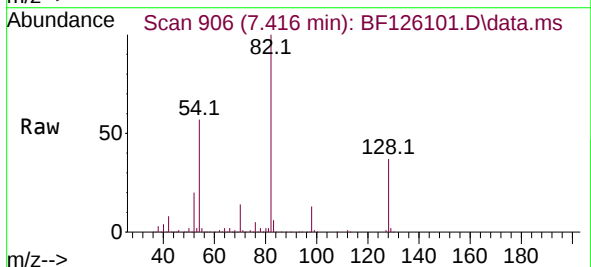
Instrument :
BNA_F
ClientSampleId :
SB01A

Tgt Ion:136 Resp: 654112
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 9.8 6.4 9.6#
68 5.3 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 78.645 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

Tgt Ion: 82 Resp: 1090798
Ion Ratio Lower Upper
82 100
128 36.7 40.6 60.8#
54 57.3 49.6 74.4

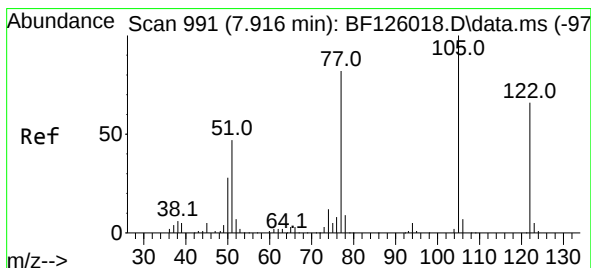
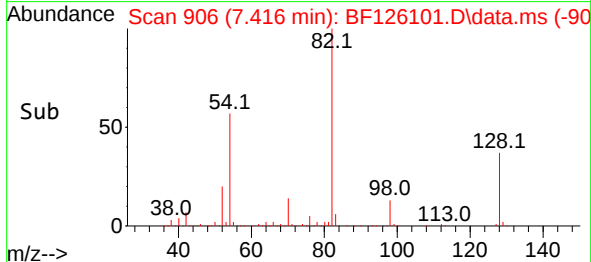
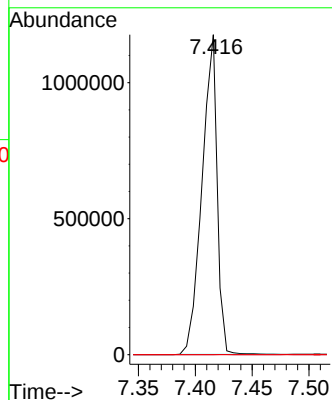
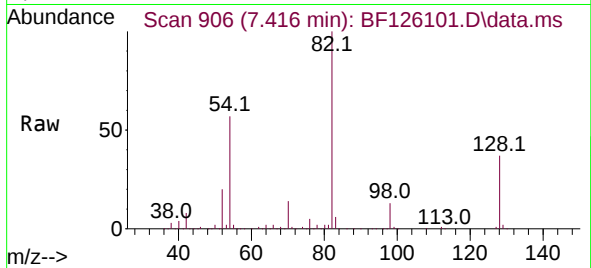




#25
Isophorone
Concen: 43.397 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

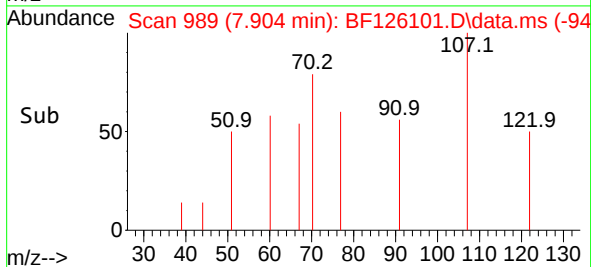
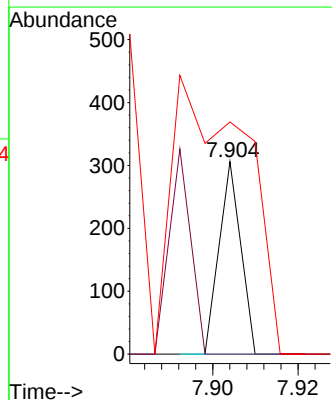
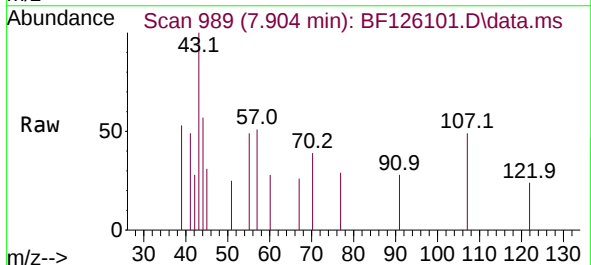
Instrument :
BNA_F
ClientSampleId :
SB01A

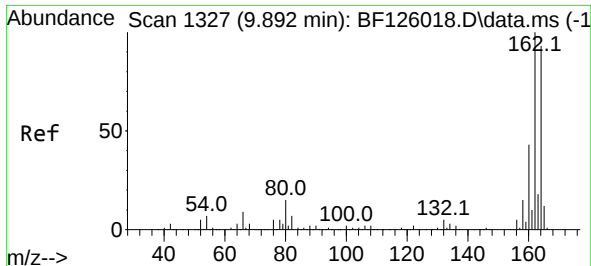
Tgt Ion: 82 Resp: 1083705
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 9.158 ng
RT: 7.904 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

Tgt Ion: 122 Resp: 108
Ion Ratio Lower Upper
122 100
105 0.0 97.6 137.6#
77 120.6 59.6 99.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126101.D

Acq: 10 Nov 2021 11:38

Instrument :

BNA_F

ClientSampleId :

SB01A

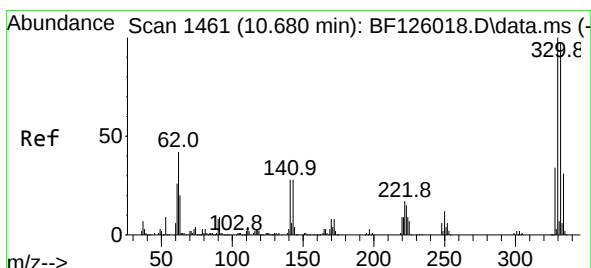
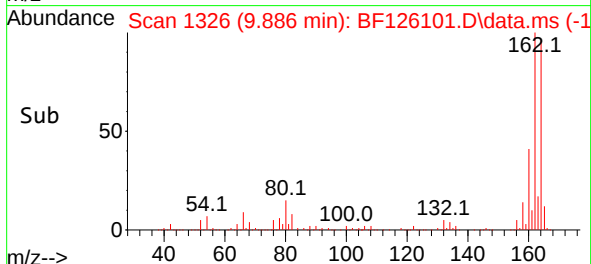
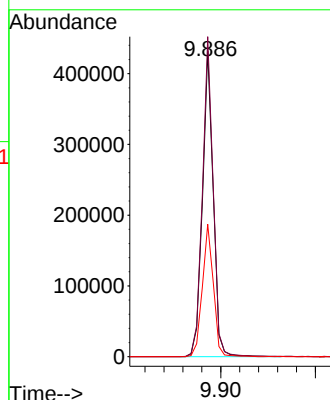
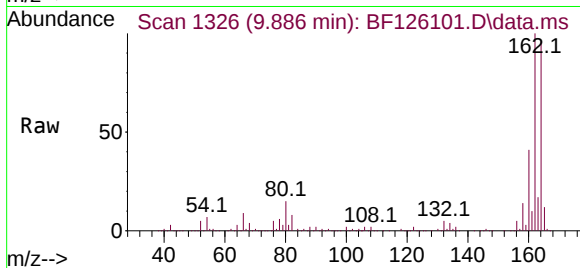
Tgt Ion:164 Resp: 342895

Ion Ratio Lower Upper

164 100

162 104.7 81.3 121.9

160 43.4 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 94.791 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF126101.D

Acq: 10 Nov 2021 11:38

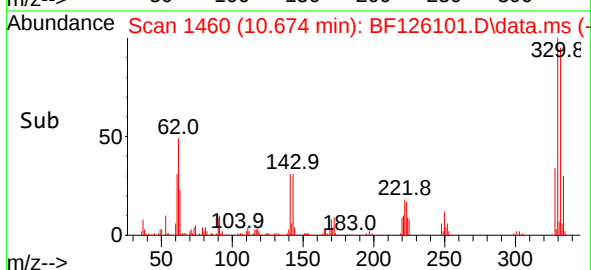
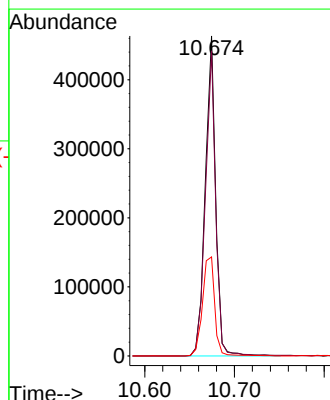
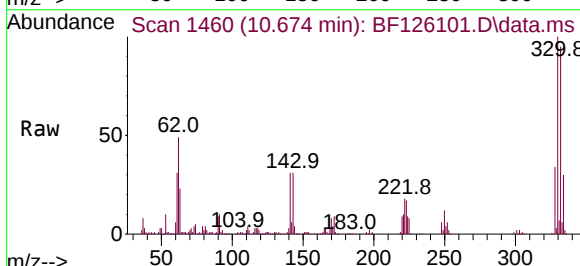
Tgt Ion:330 Resp: 372490

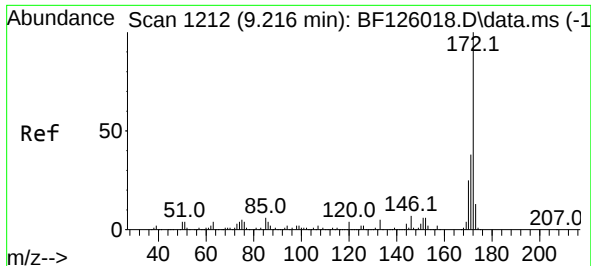
Ion Ratio Lower Upper

330 100

332 94.9 76.2 114.4

141 36.6 44.6 66.8#

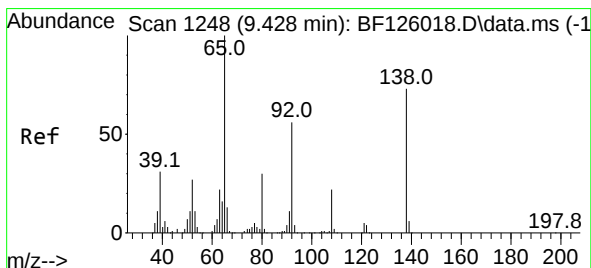
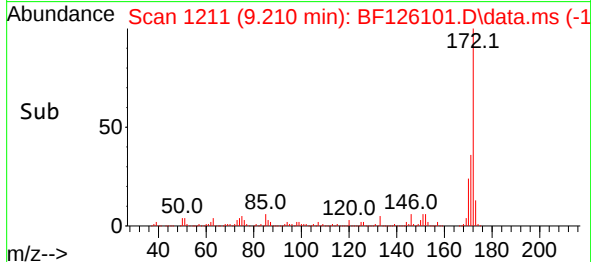
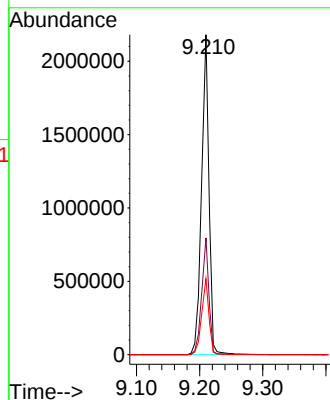
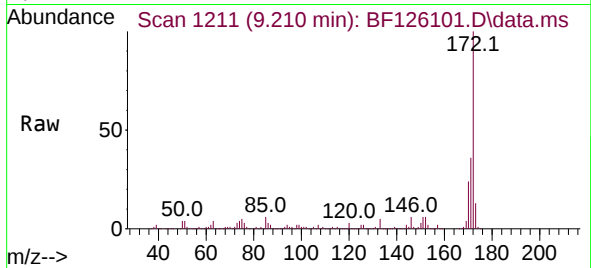




#45
2-Fluorobiphenyl
Concen: 70.176 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

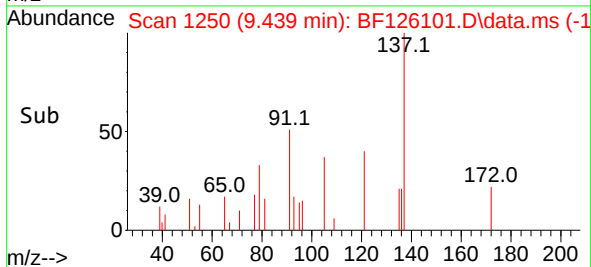
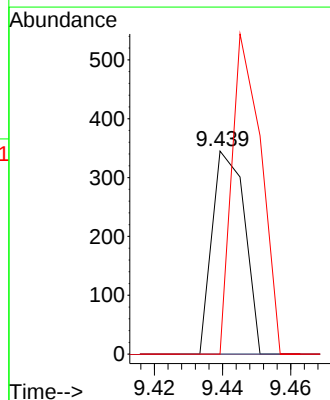
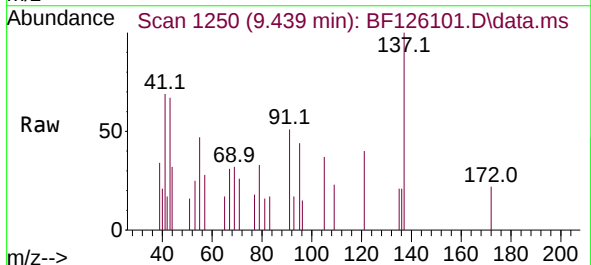
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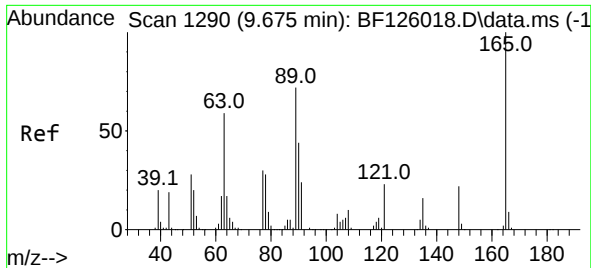
Tgt Ion:172 Resp: 1780644
Ion Ratio Lower Upper
172 100
171 36.5 26.5 39.7
170 23.8 18.8 28.2



#48
2-Nitroaniline
Concen: 2.881 ng
RT: 9.439 min Scan# 1250
Delta R.T. 0.011 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

Tgt Ion: 65 Resp: 228
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#

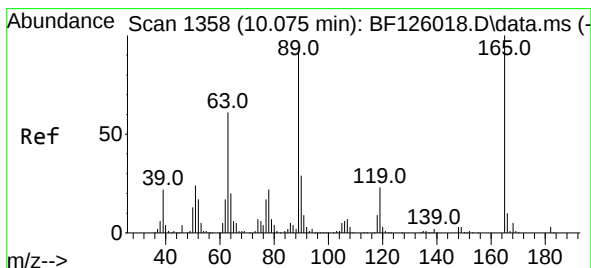
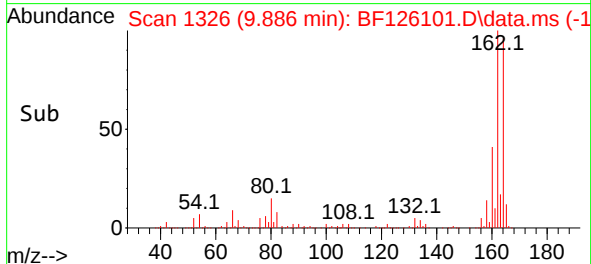
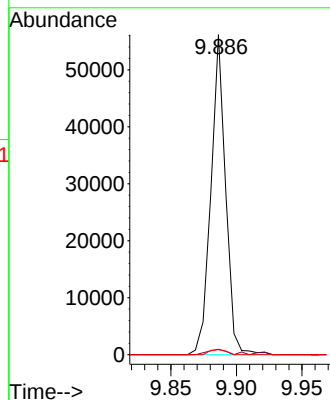
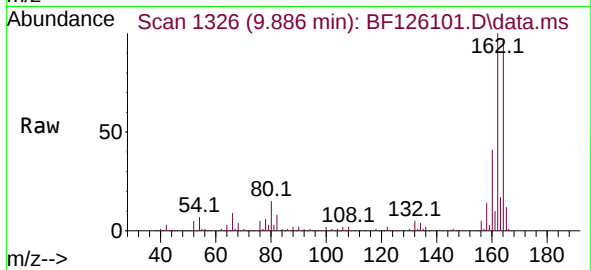




#51
2,6-Dinitrotoluene
Concen: 10.257 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

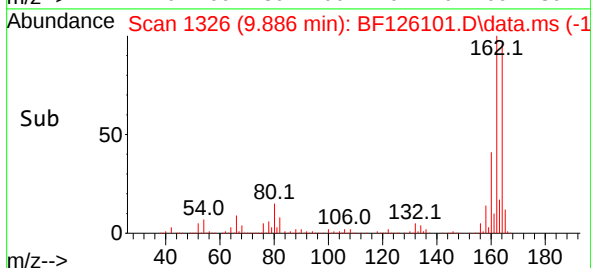
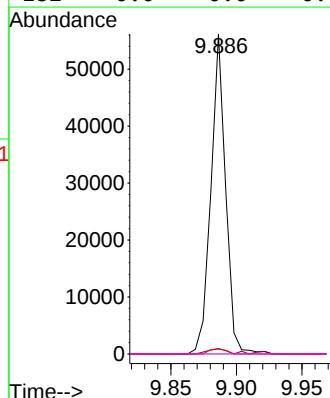
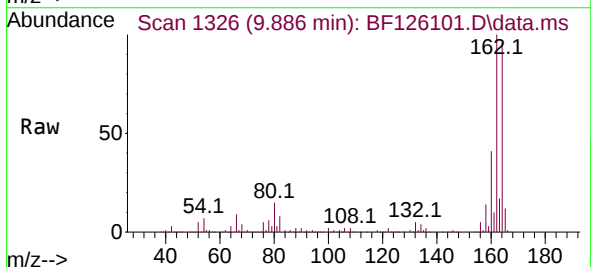
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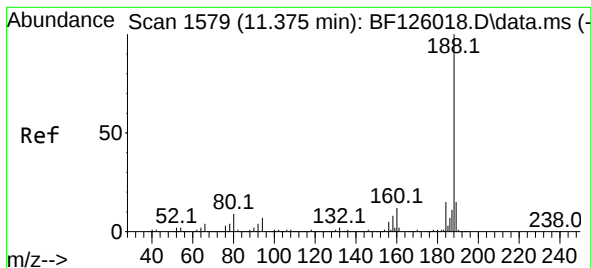
Tgt Ion:165 Resp: 43892
Ion Ratio Lower Upper
165 100
63 1.7 42.6 63.8#
89 1.6 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 9.816 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.189 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

Tgt Ion:165 Resp: 43892
Ion Ratio Lower Upper
165 100
63 1.7 40.9 61.3#
89 1.6 59.7 89.5#
182 0.0 0.0 0.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126101.D

Acq: 10 Nov 2021 11:38

Instrument :

BNA_F

ClientSampleId :

SB01A

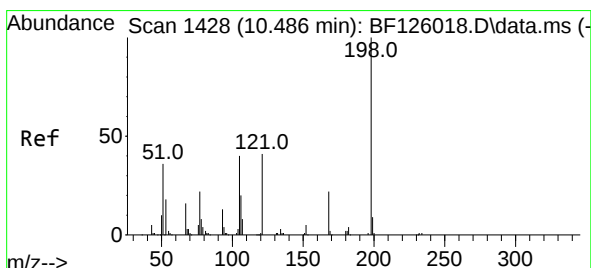
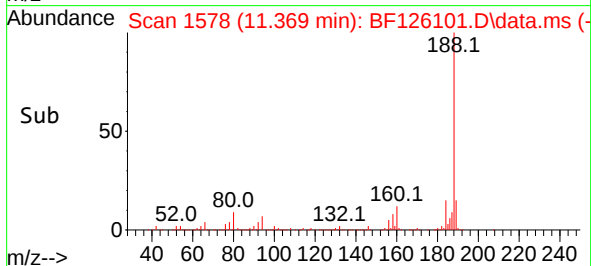
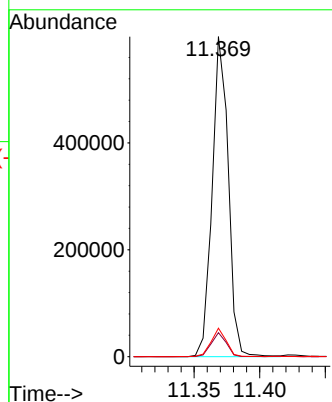
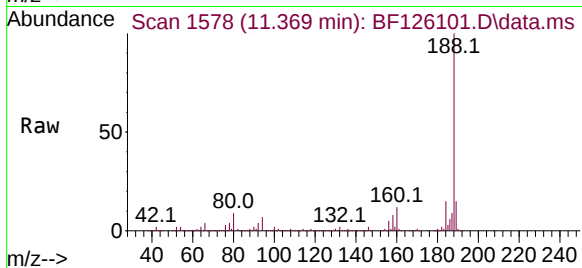
Tgt Ion:188 Resp: 512114

Ion Ratio Lower Upper

188 100

94 7.5 6.7 10.1

80 8.9 7.5 11.3



#65

4,6-Dinitro-2-methylphenol

Concen: 8.616 ng

RT: 10.674 min Scan# 1460

Delta R.T. 0.188 min

Lab File: BF126101.D

Acq: 10 Nov 2021 11:38

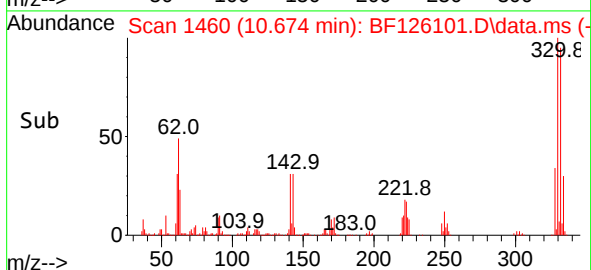
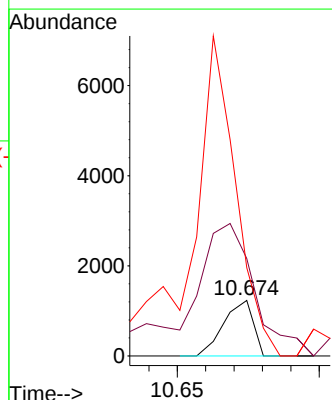
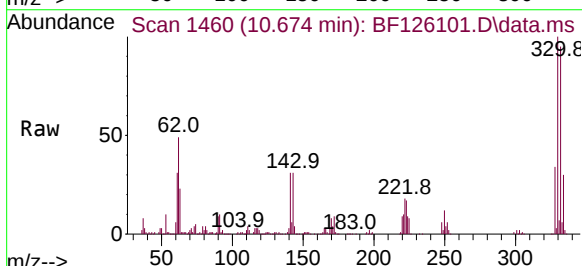
Tgt Ion:198 Resp: 893

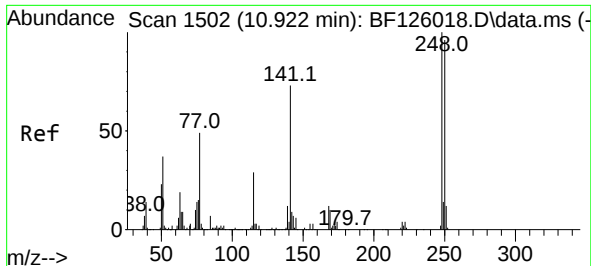
Ion Ratio Lower Upper

198 100

51 175.3 45.3 85.3#

105 159.0 30.6 70.6#

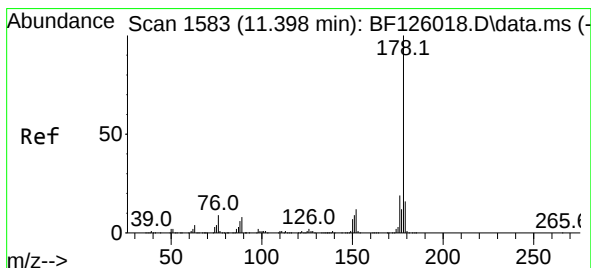
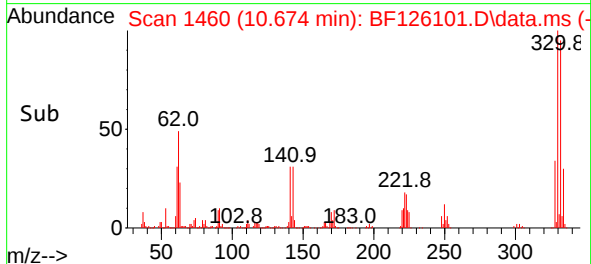
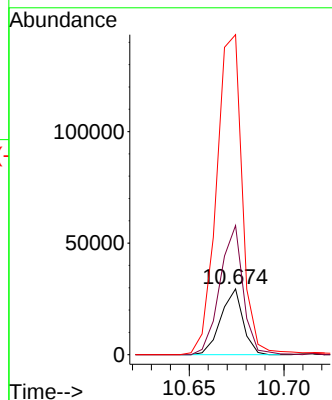
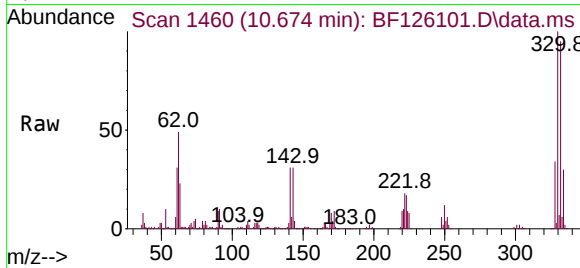




#67
4-Bromophenyl-phenylether
Concen: 3.862 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.248 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

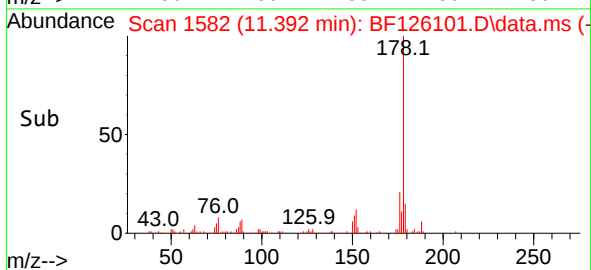
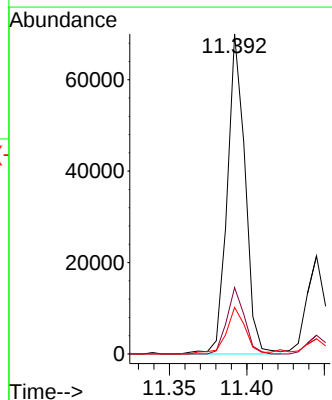
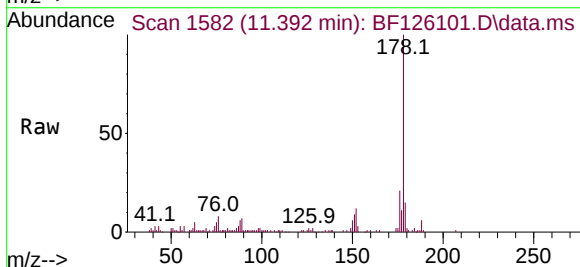
Instrument :
BNA_F
ClientSampleId :
SB01A

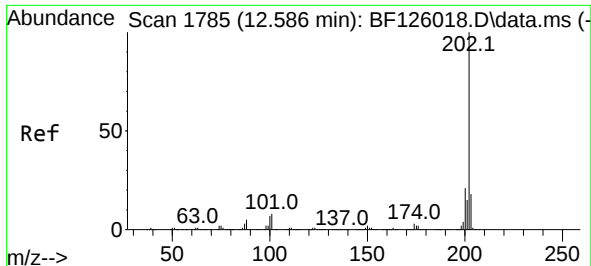
Tgt Ion:248 Resp: 23958
Ion Ratio Lower Upper
248 100
250 196.2 74.2 111.4#
141 486.4 60.4 90.6#



#71
Phenanthrene
Concen: 2.018 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

Tgt Ion:178 Resp: 56056
Ion Ratio Lower Upper
178 100
176 20.7 14.7 22.1
179 14.5 11.5 17.3

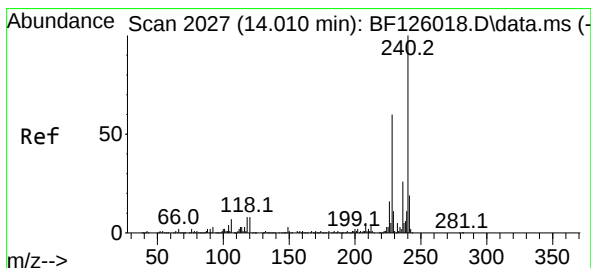
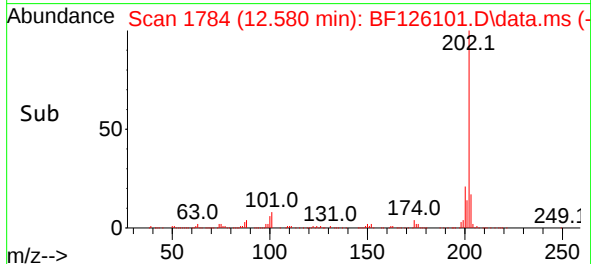
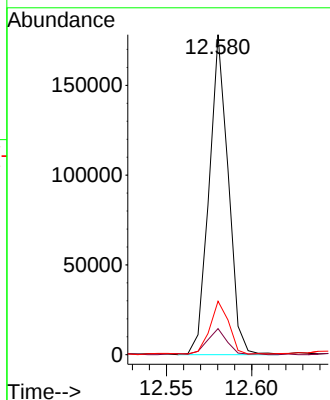
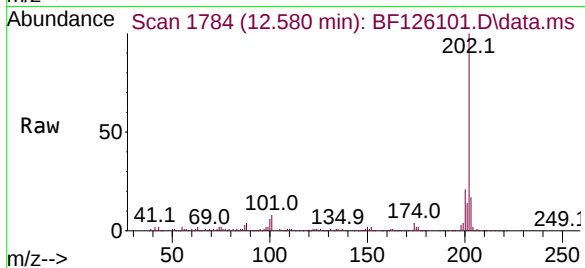




#75
Fluoranthene
Concen: 4.530 ng
RT: 12.580 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

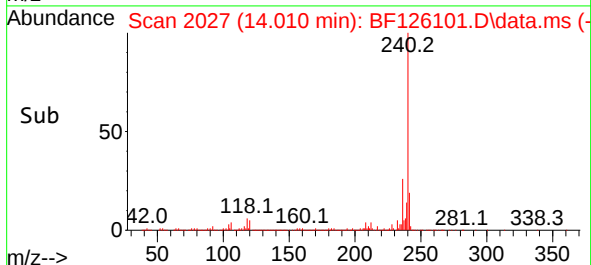
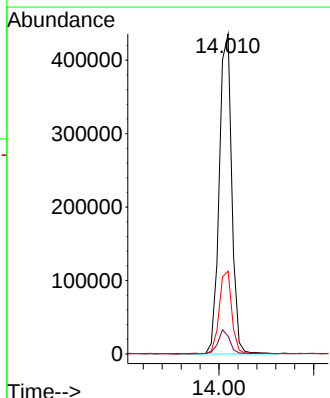
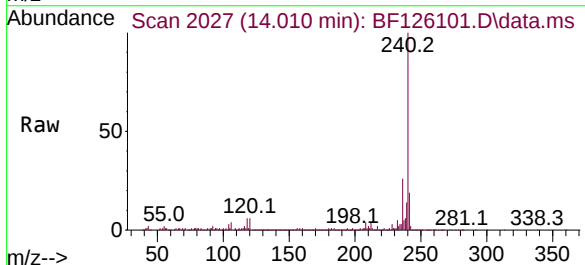
Instrument :
BNA_F
ClientSampleId :
SB01A

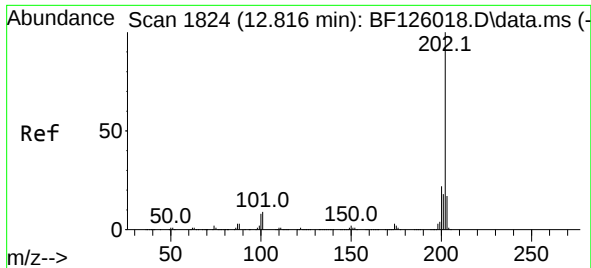
Tgt Ion:202 Resp: 140108
Ion Ratio Lower Upper
202 100
101 8.2 0.0 30.7
203 16.7 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

Tgt Ion:240 Resp: 401179
Ion Ratio Lower Upper
240 100
120 5.6 10.8 16.2#
236 25.8 21.6 32.4

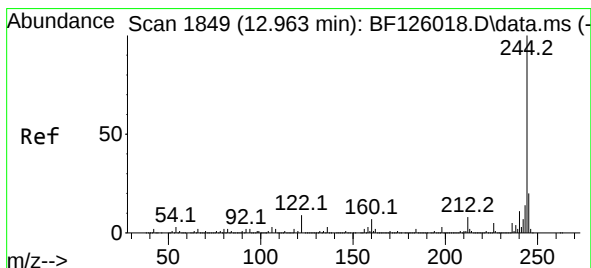
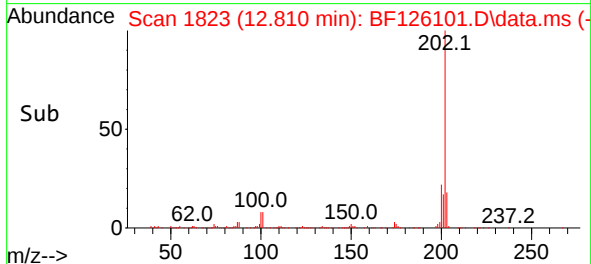
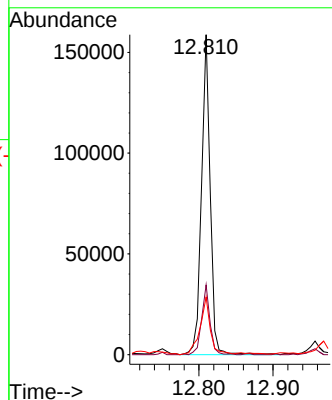
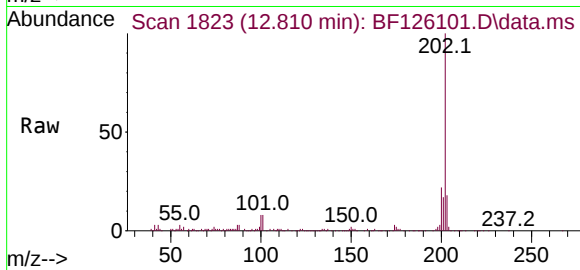




#78
 Pyrene
 Concen: 4.038 ng
 RT: 12.810 min Scan# 1823
 Delta R.T. -0.006 min
 Lab File: BF126101.D
 Acq: 10 Nov 2021 11:38

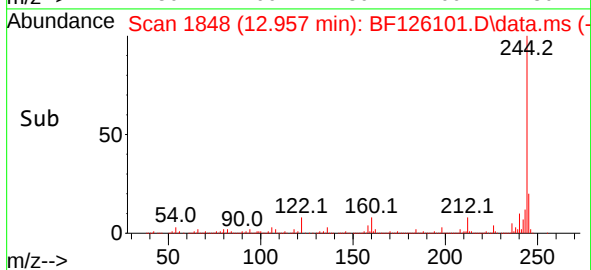
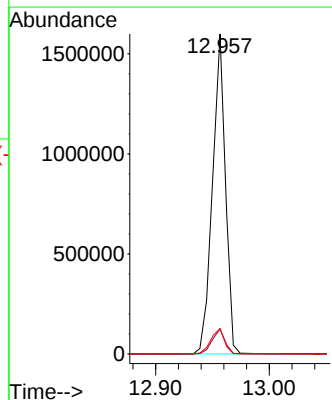
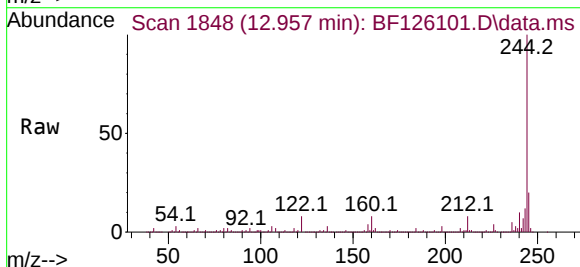
Instrument :
 BNA_F
 ClientSampleId :
 SB01A

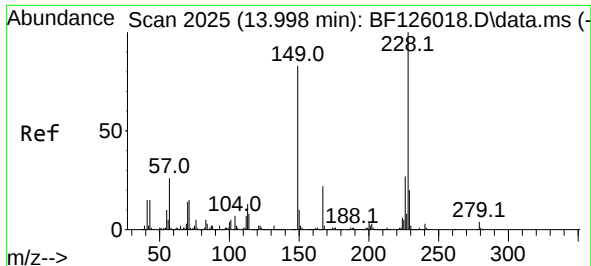
Tgt Ion:202 Resp: 129914
 Ion Ratio Lower Upper
 202 100
 200 21.8 15.3 22.9
 203 18.0 13.4 20.0



#79
 Terphenyl-d14
 Concen: 50.861 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF126101.D
 Acq: 10 Nov 2021 11:38

Tgt Ion:244 Resp: 1265354
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 8.0 9.0 13.4#

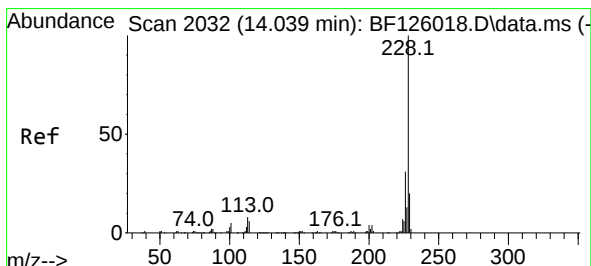
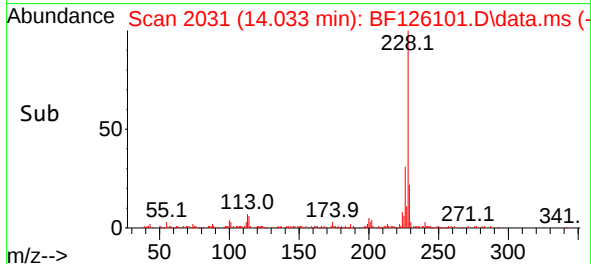
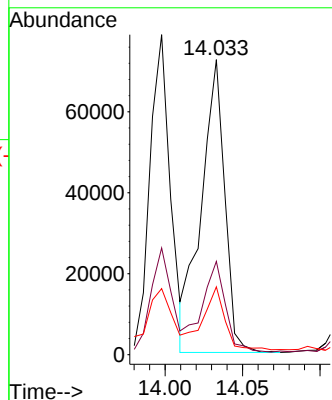
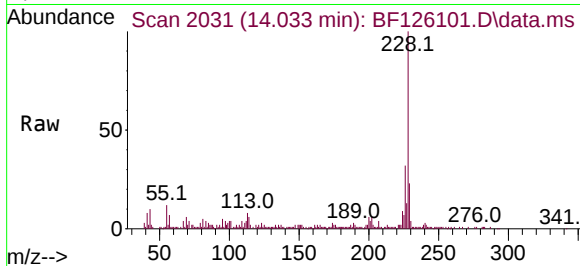




#81
Benzo(a)anthracene
Concen: 2.773 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.035 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

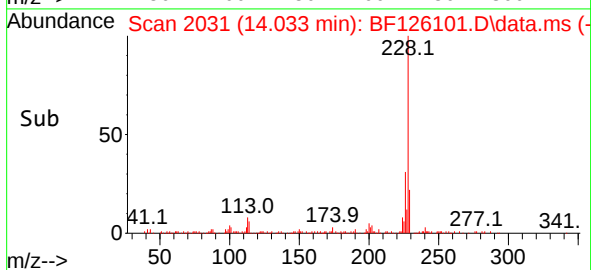
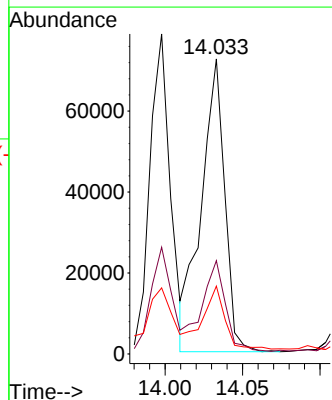
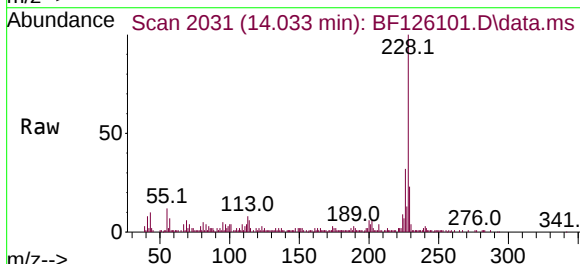
Instrument :
BNA_F
ClientSampleId :
SB01A

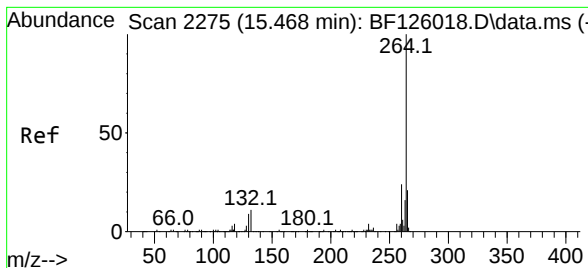
Tgt Ion:228 Resp: 76420
Ion Ratio Lower Upper
228 100
226 31.6 21.6 32.4
229 23.0 15.6 23.4



#83
Chrysene
Concen: 2.979 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF126101.D
Acq: 10 Nov 2021 11:38

Tgt Ion:228 Resp: 76393
Ion Ratio Lower Upper
228 100
226 31.6 22.6 34.0
229 23.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF126101.D

Acq: 10 Nov 2021 11:38

Instrument :

BNA_F

ClientSampleId :

SB01A

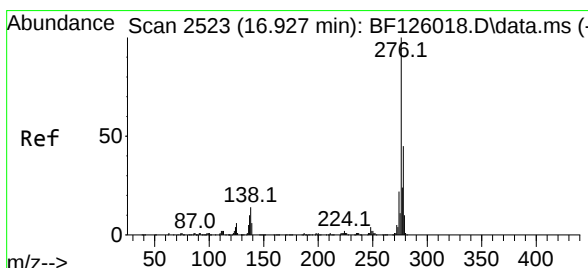
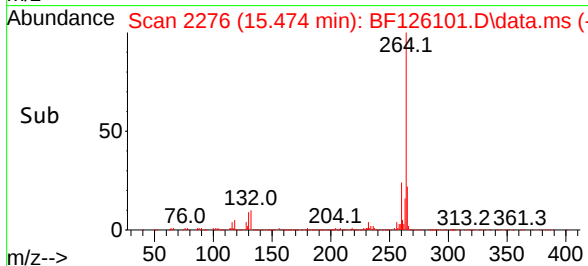
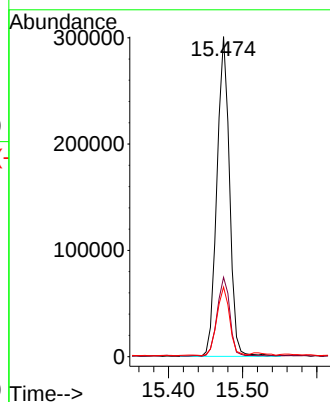
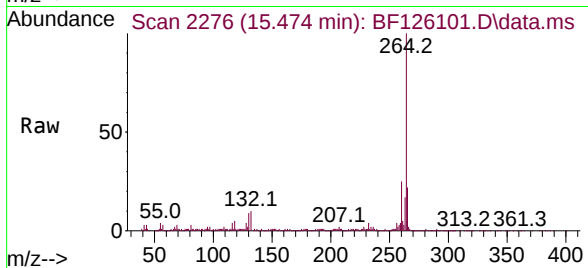
Tgt Ion:264 Resp: 353657

Ion Ratio Lower Upper

264 100

260 24.8 19.6 29.4

265 21.8 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.067 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.000 min

Lab File: BF126101.D

Acq: 10 Nov 2021 11:38

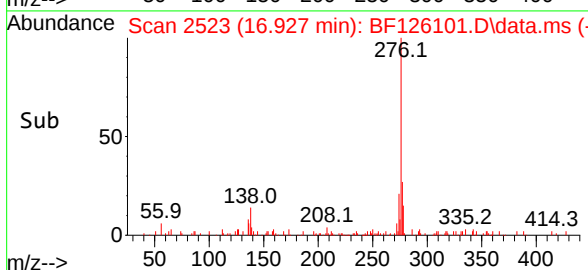
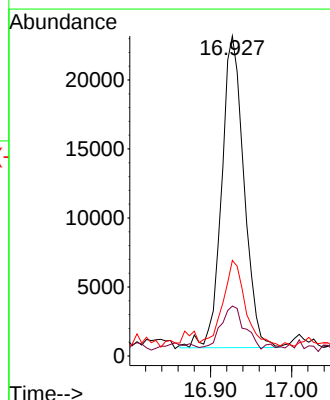
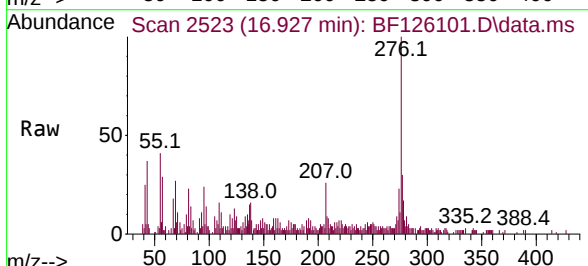
Tgt Ion:276 Resp: 43259

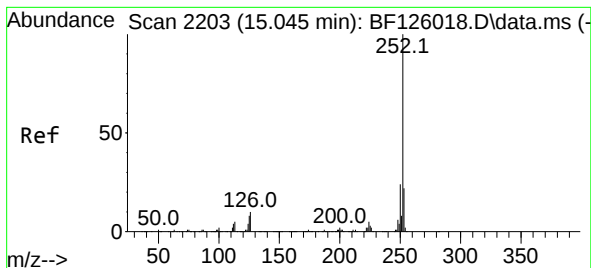
Ion Ratio Lower Upper

276 100

138 14.6 24.1 36.1#

277 27.1 18.8 28.2





#88

Benzo(b)fluoranthene

Concen: 6.089 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.000 min

Lab File: BF126101.D

Acq: 10 Nov 2021 11:38

Instrument :

BNA_F

ClientSampleId :

SB01A

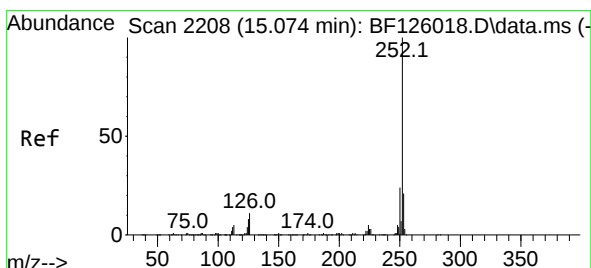
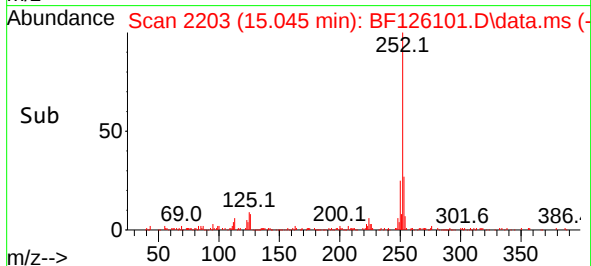
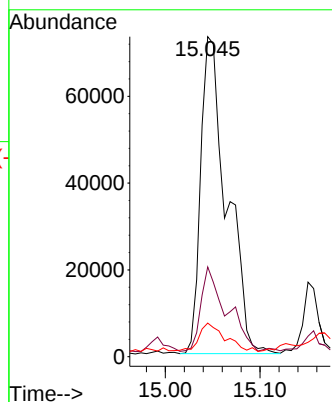
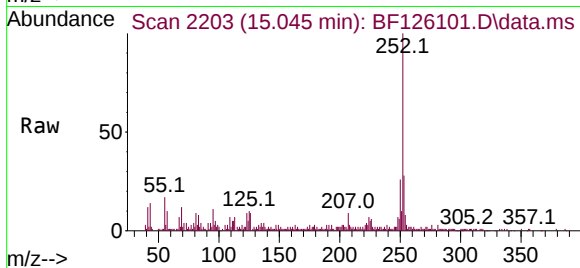
Tgt Ion:252 Resp: 140062

Ion Ratio Lower Upper

252 100

253 28.1 16.8 25.2#

125 10.5 9.8 14.8



#89

Benzo(k)fluoranthene

Concen: 6.275 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.030 min

Lab File: BF126101.D

Acq: 10 Nov 2021 11:38

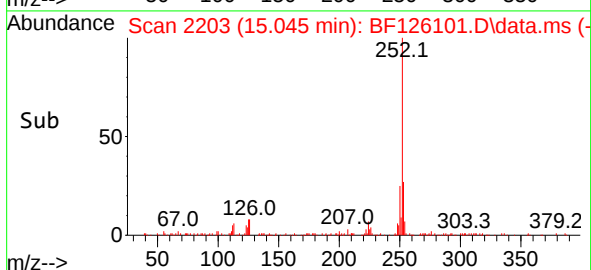
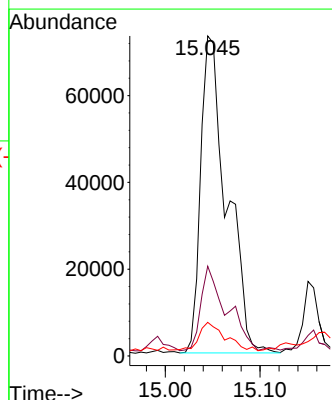
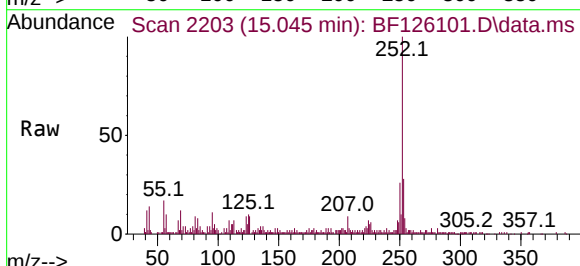
Tgt Ion:252 Resp: 140014

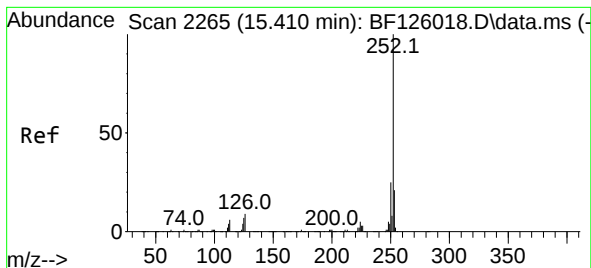
Ion Ratio Lower Upper

252 100

253 28.1 17.8 26.8#

125 10.5 7.2 10.8





#90

Benzo(a)pyrene

Concen: 4.013 ng

RT: 15.409 min Scan# 21

Delta R.T. -0.001 min

Lab File: BF126101.D

Acq: 10 Nov 2021 11:38

Instrument :

BNA_F

ClientSampleId :

SB01A

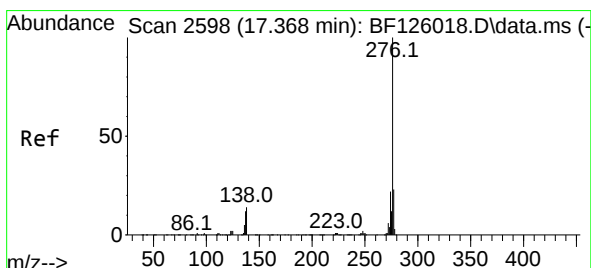
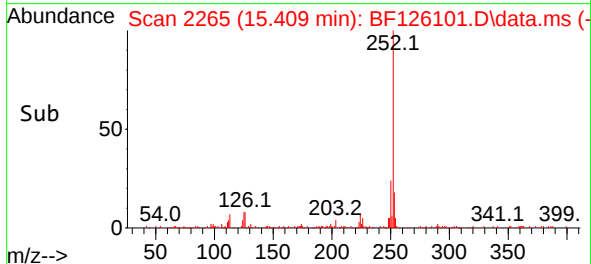
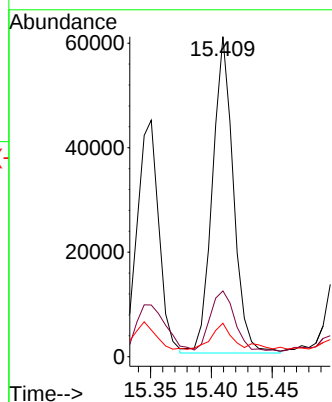
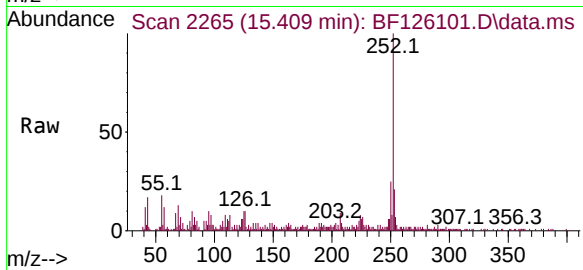
Tgt Ion:252 Resp: 72737

Ion Ratio Lower Upper

252 100

253 20.6 18.4 27.6

125 10.4 9.9 14.9



#92

Benzo(g,h,i)perylene

Concen: 2.507 ng

RT: 17.368 min Scan# 2598

Delta R.T. 0.000 min

Lab File: BF126101.D

Acq: 10 Nov 2021 11:38

Tgt Ion:276 Resp: 41333

Ion Ratio Lower Upper

276 100

277 25.1 22.0 33.0

138 12.8 22.2 33.4#

