

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110821\
 Data File : BF126061.D
 Acq On : 8 Nov 2021 12:55
 Operator : JU/CG
 Sample : M4500-03RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-8-110321

Quant Time: Nov 08 14:21:35 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)

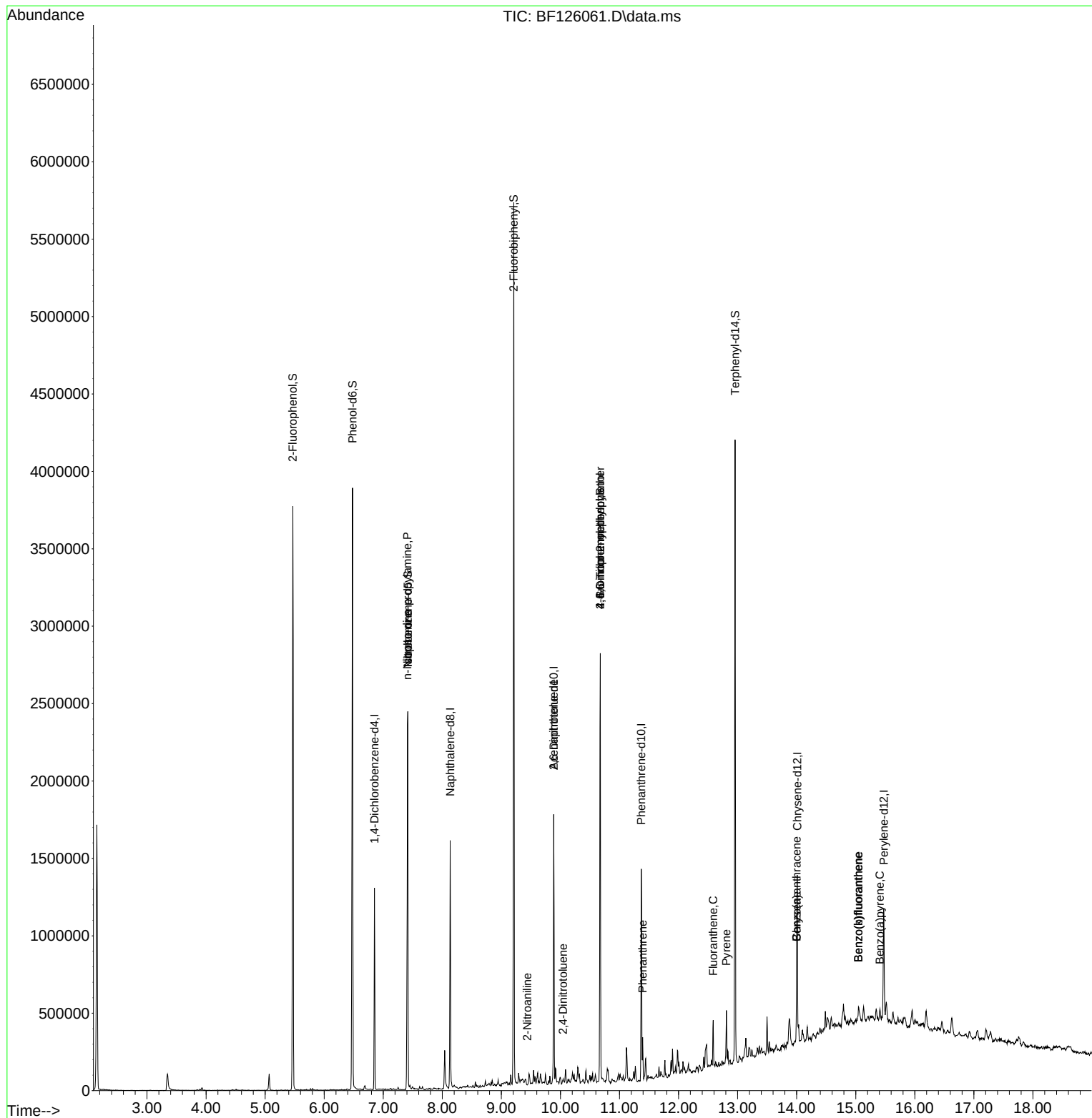
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	159827	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	574990	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	308308	20.000	ng	0.00
64) Phenanthrene-d10	11.368	188	474450	20.000	ng	0.00
76) Chrysene-d12	14.009	240	342452	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	328848	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	837569	89.994	ng	0.00
7) Phenol-d6	6.481	99	1082105	82.479	ng	0.00
23) Nitrobenzene-d5	7.416	82	812130	66.610	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	281846	79.770	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1487283	65.190	ng	0.00
79) Terphenyl-d14	12.957	244	1210545	57.002	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	440	Below Cal	#	47
19) n-Nitroso-di-n-propyla...	7.410	70	118011	13.644	ng	# 60
25) Isophorone	7.416	82	806003	36.718	ng	# 59
48) 2-Nitroaniline	9.439	65	202	2.880	ng	# 26
51) 2,6-Dinitrotoluene	9.886	165	41233	10.717	ng	# 29
57) 2,4-Dinitrotoluene	10.045	165	1635	3.441	ng	# 41
65) 4,6-Dinitro-2-methylph...	10.674	198	842	8.622	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	19014	3.309	ng	# 1
71) Phenanthrene	11.392	178	85714	3.331	ng	99
75) Fluoranthene	12.586	202	107878	3.765	ng	95
78) Pyrene	12.810	202	130823	4.764	ng	96
81) Benzo(a)anthracene	13.998	228	54917	2.334	ng	92
83) Chrysene	13.998	228	54917	2.509	ng	94
88) Benzo(b)fluoranthene	15.045	252	64603	3.020	ng	# 90
89) Benzo(k)fluoranthene	15.045	252	64603	3.113	ng	# 88
90) Benzo(a)pyrene	15.409	252	36471	2.164	ng	# 92

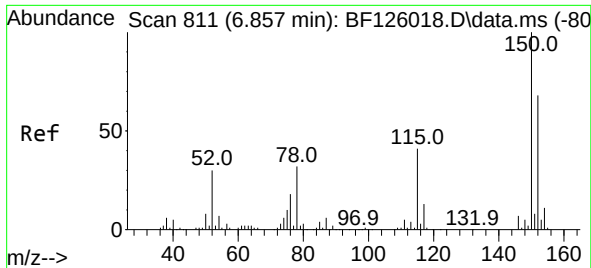
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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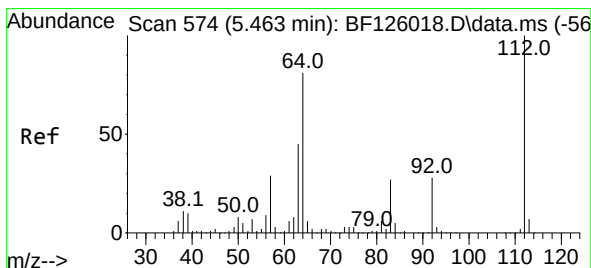
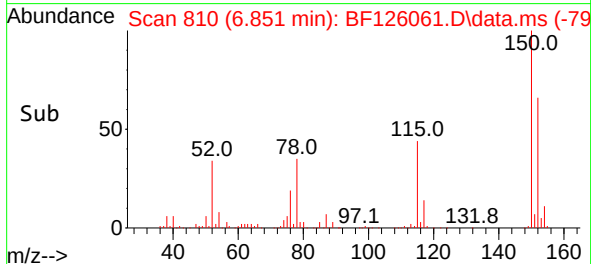
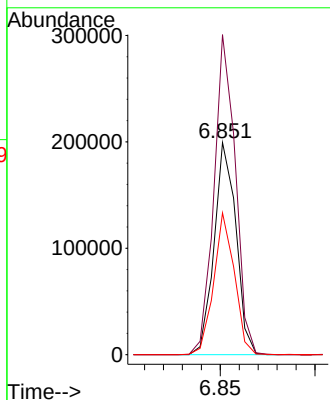
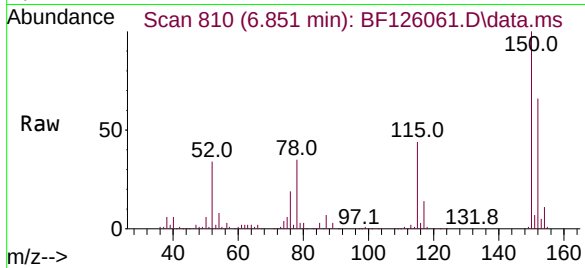




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

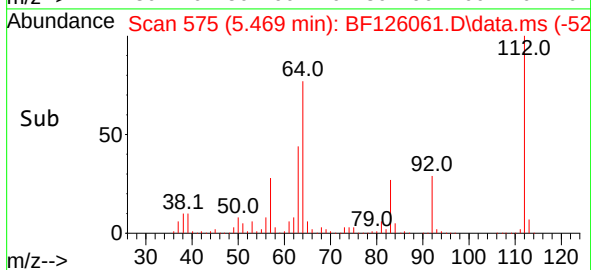
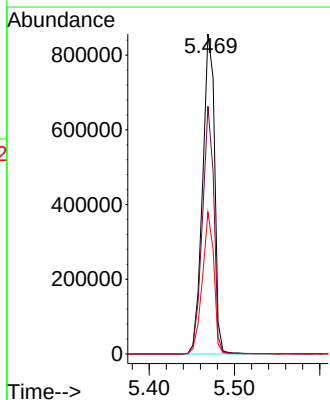
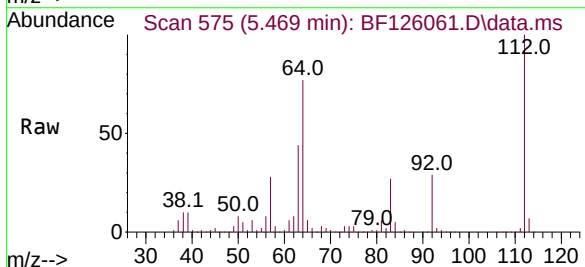
Instrument :
BNA_F
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TR-8-110321

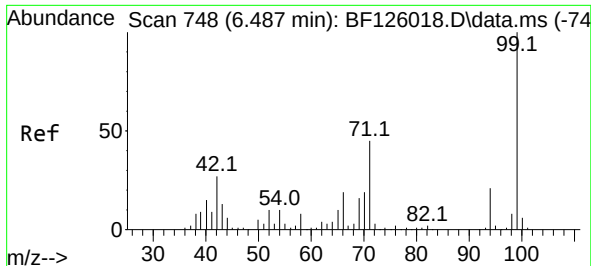
Tgt Ion:152 Resp: 159827
Ion Ratio Lower Upper
152 100
150 150.9 117.6 176.4
115 66.8 47.1 70.7



#5
2-Fluorophenol
Concen: 89.994 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

Tgt Ion:112 Resp: 837569
Ion Ratio Lower Upper
112 100
64 77.4 44.2 66.2#
63 44.3 26.2 39.2#

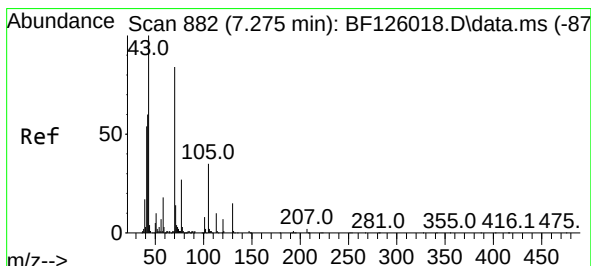
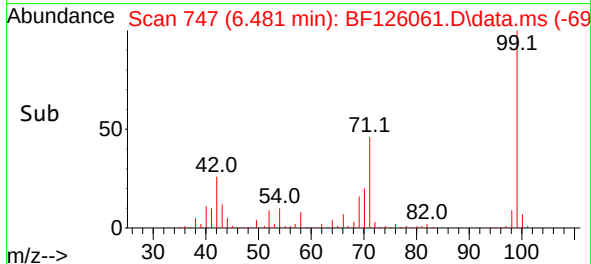
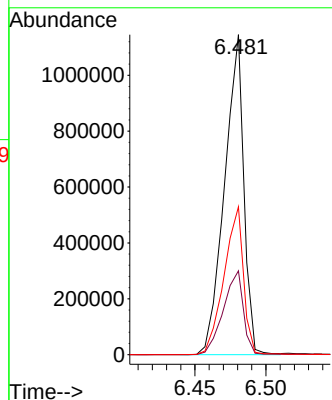
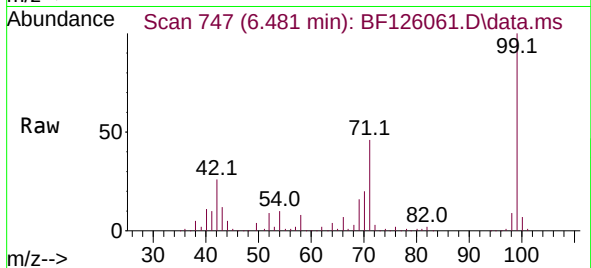




#7
Phenol-d6
Concen: 82.479 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

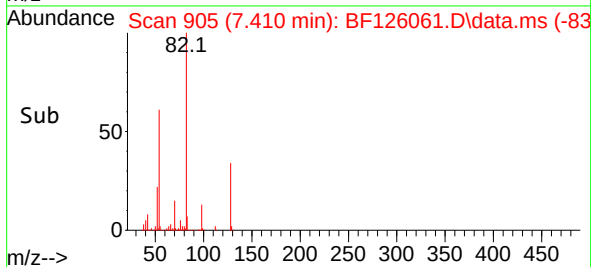
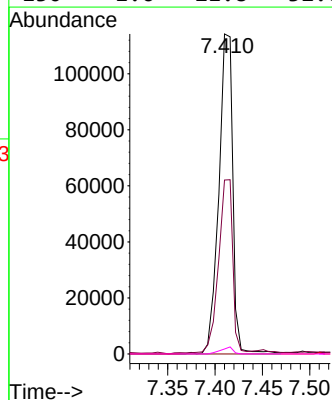
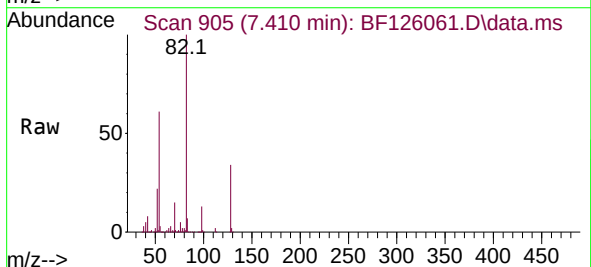
Instrument :
BNA_F
ClientSampleId :
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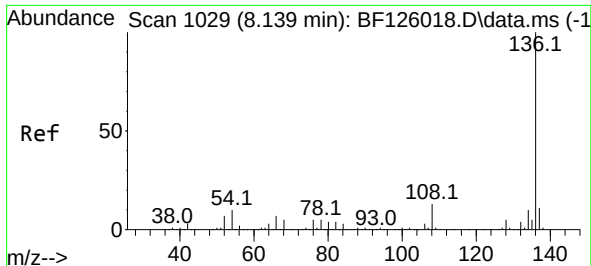
Tgt Ion: 99 Resp: 1082105
Ion Ratio Lower Upper
99 100
42 26.2 23.5 35.3
71 46.2 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 13.644 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.135 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

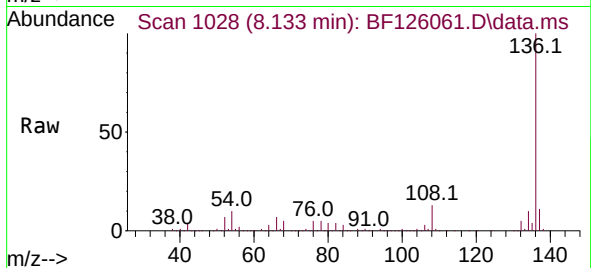
Tgt Ion: 70 Resp: 118011
Ion Ratio Lower Upper
70 100
42 54.4 72.2 108.2#
101 0.0 7.8 11.8#
130 1.6 21.8 32.6#



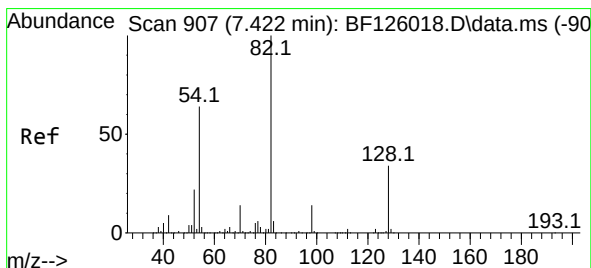
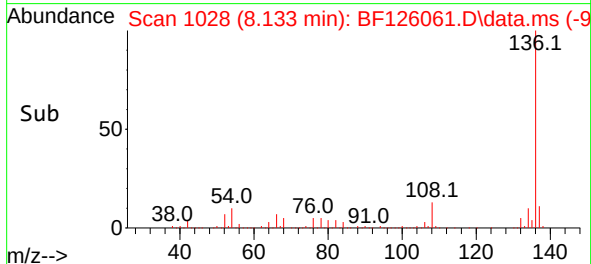
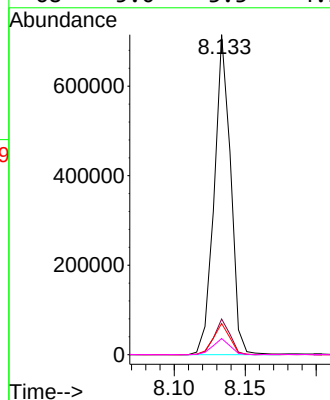


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

Instrument :
BNA_F
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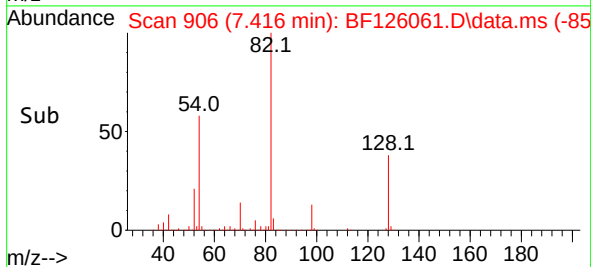
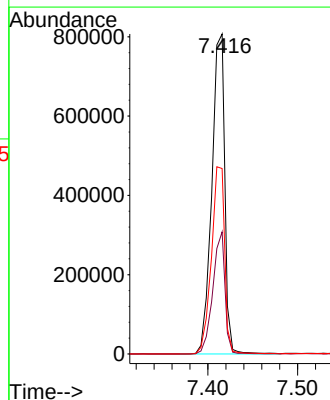
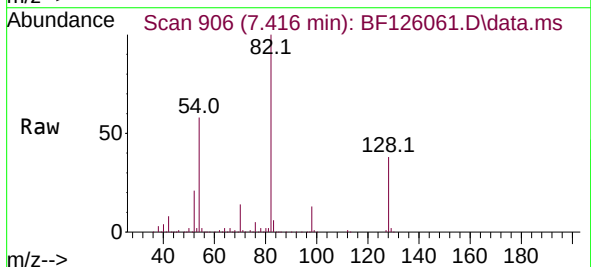


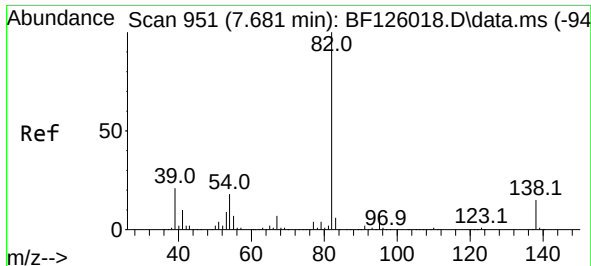
Tgt Ion:136 Resp: 574990
Ion Ratio Lower Upper
136 100
137 11.1 9.8 14.6
54 9.8 6.4 9.6#
68 5.0 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 66.610 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

Tgt Ion: 82 Resp: 812130
Ion Ratio Lower Upper
82 100
128 38.2 40.6 60.8#
54 58.0 49.6 74.4

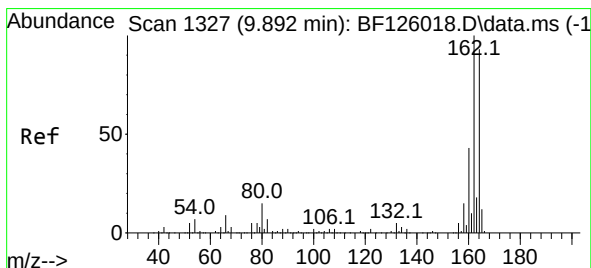
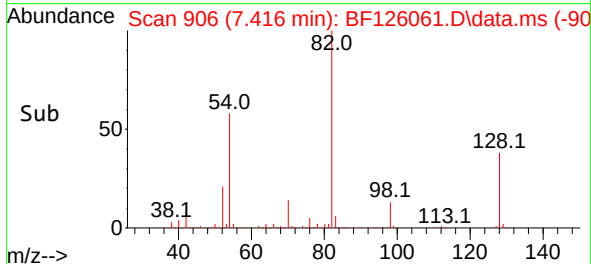
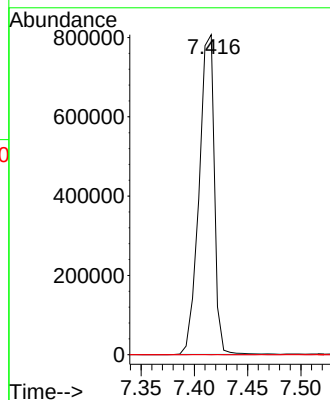
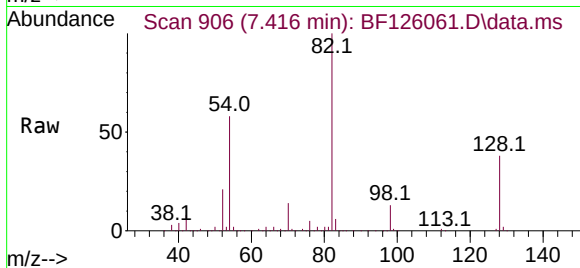




#25
Isophorone
Concen: 36.718 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

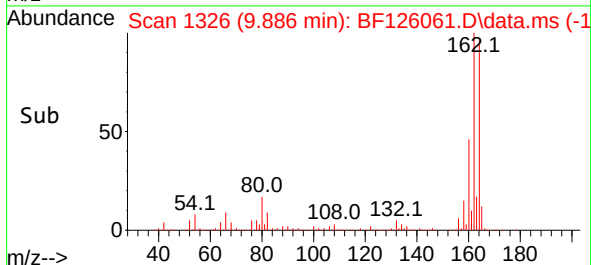
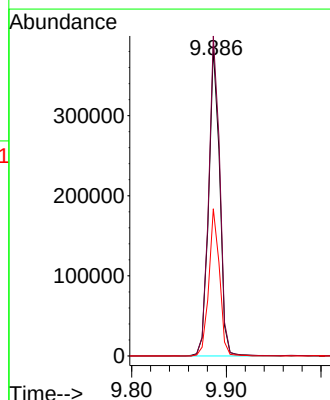
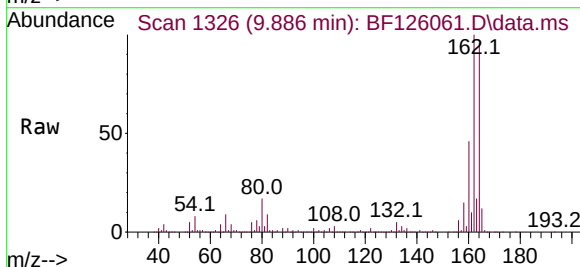
Instrument :
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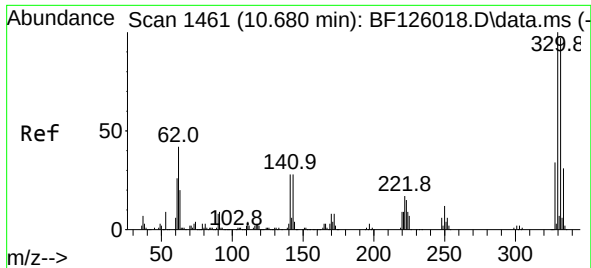
Tgt Ion: 82 Resp: 806003
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

Tgt Ion:164 Resp: 308308
Ion Ratio Lower Upper
164 100
162 104.0 81.3 121.9
160 47.8 38.0 57.0

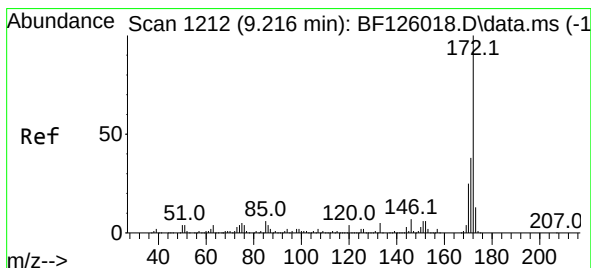
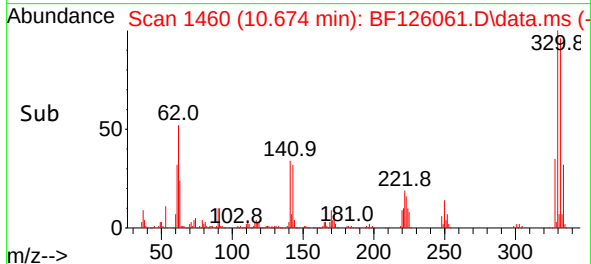
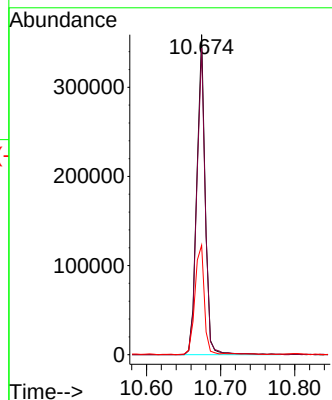
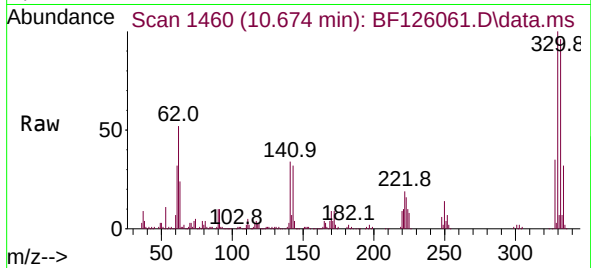




#42
2,4,6-Tribromophenol
Concen: 79.770 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

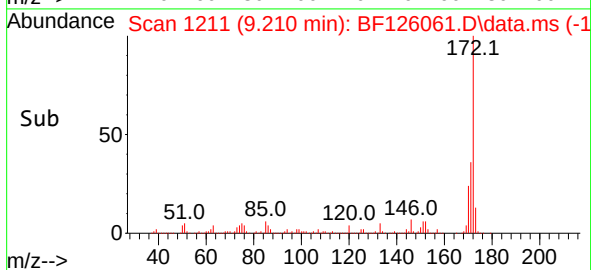
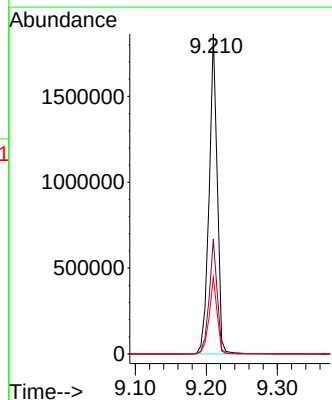
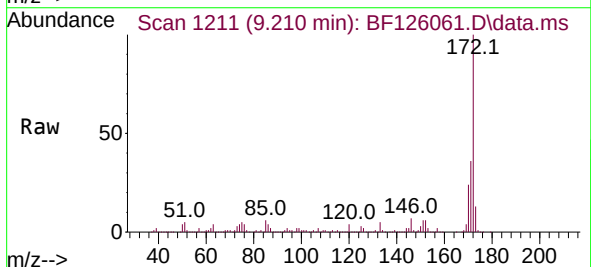
Instrument :
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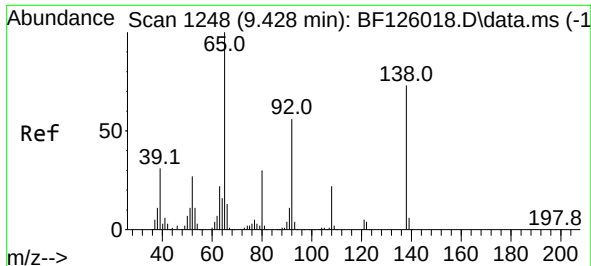
Tgt Ion:330 Resp: 281846
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 39.3 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 65.190 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

Tgt Ion:172 Resp: 1487283
Ion Ratio Lower Upper
172 100
171 35.8 26.5 39.7
170 24.0 18.8 28.2





#48

2-Nitroaniline

Concen: 2.880 ng

RT: 9.439 min Scan# 11

Delta R.T. 0.011 min

Lab File: BF126061.D

Acq: 8 Nov 2021 12:55

Instrument :

BNA_F

ClientSampleId :

TR-8-110321

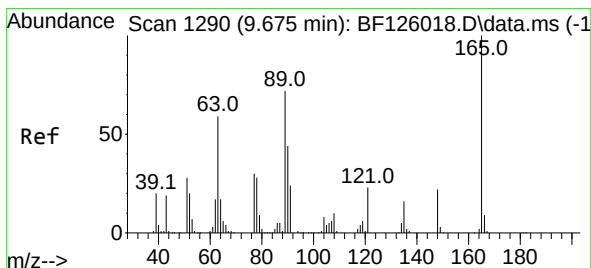
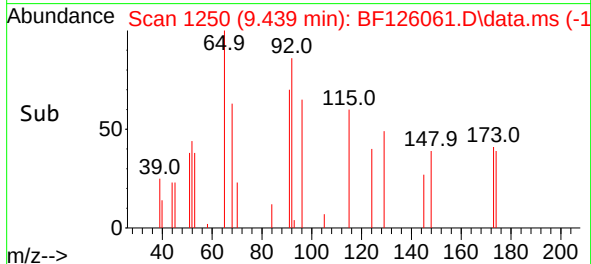
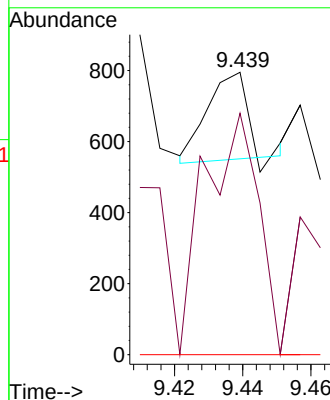
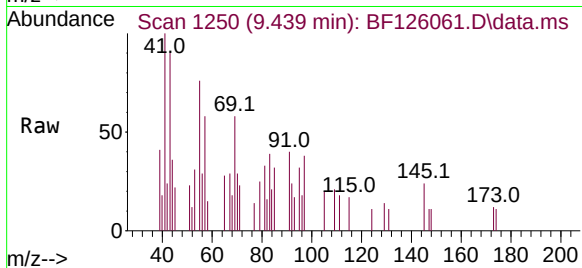
Tgt Ion: 65 Resp: 202

Ion Ratio Lower Upper

65 100

92 85.5 55.5 83.3#

138 0.0 93.5 140.3#



#51

2,6-Dinitrotoluene

Concen: 10.717 ng

RT: 9.886 min Scan# 1326

Delta R.T. 0.211 min

Lab File: BF126061.D

Acq: 8 Nov 2021 12:55

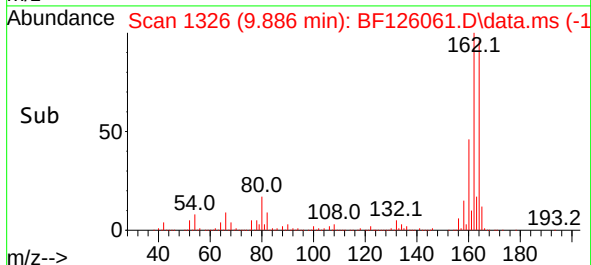
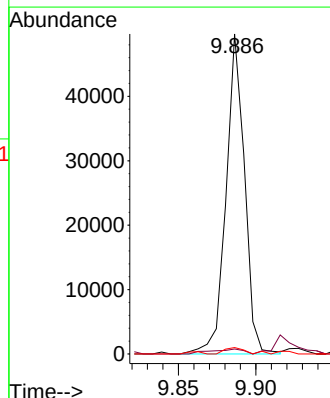
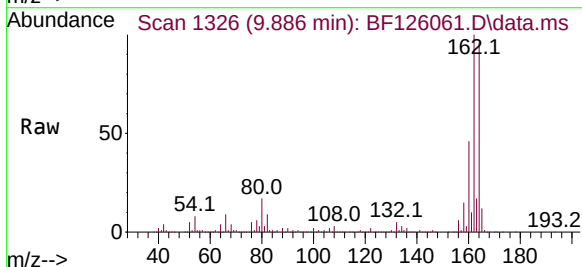
Tgt Ion: 165 Resp: 41233

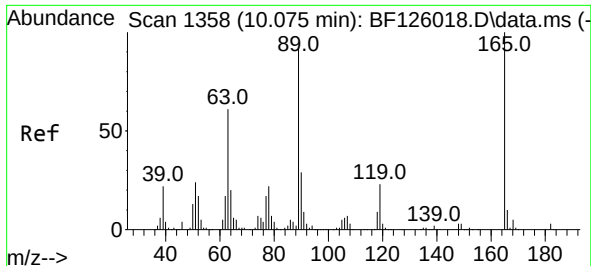
Ion Ratio Lower Upper

165 100

63 1.6 42.6 63.8#

89 2.0 40.6 60.8#

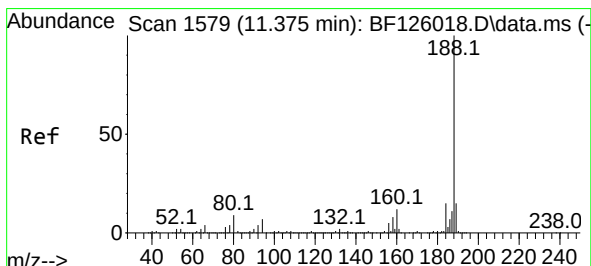
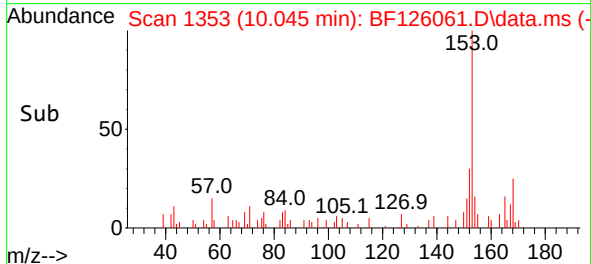
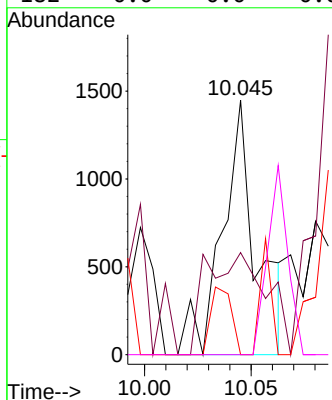
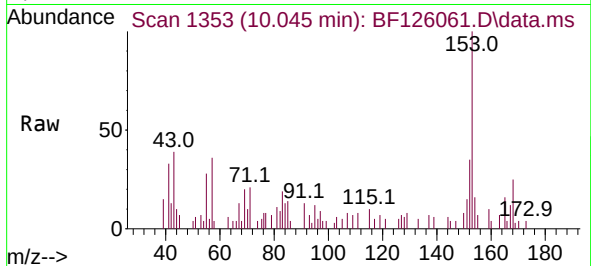




#57
2,4-Dinitrotoluene
Concen: 3.441 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.030 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

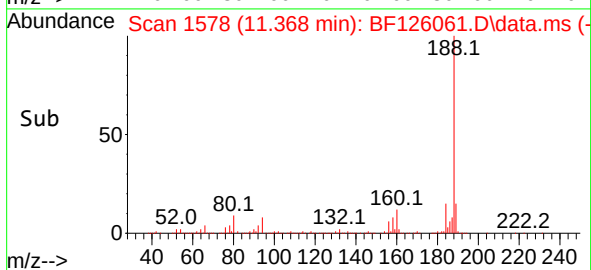
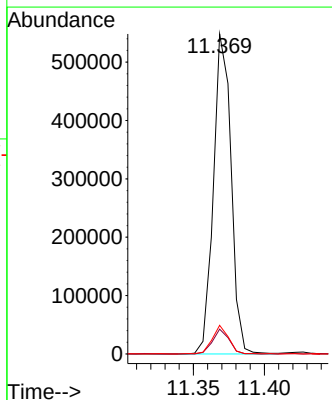
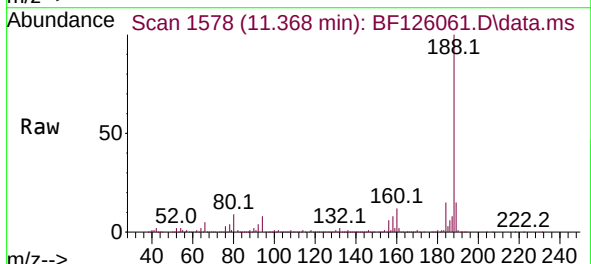
Instrument :
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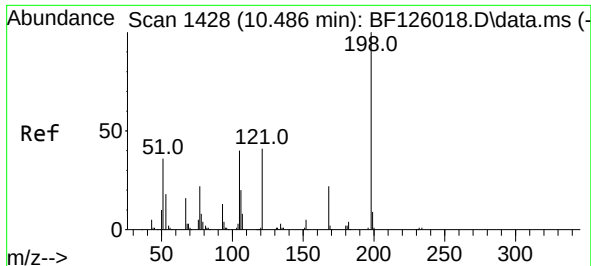
Tgt Ion:165 Resp: 1635
Ion Ratio Lower Upper
165 100
63 40.1 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.368 min Scan# 1578
Delta R.T. -0.007 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

Tgt Ion:188 Resp: 474450
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 9.0 7.5 11.3

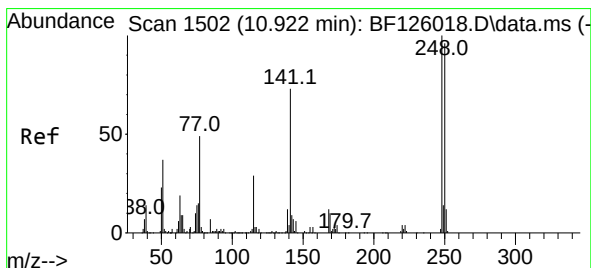
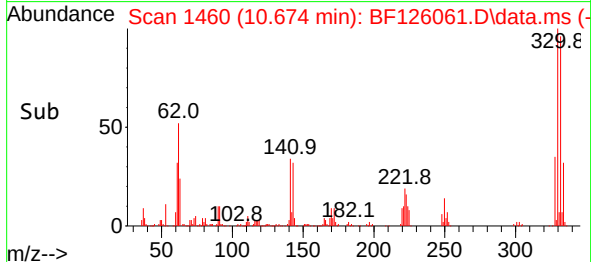
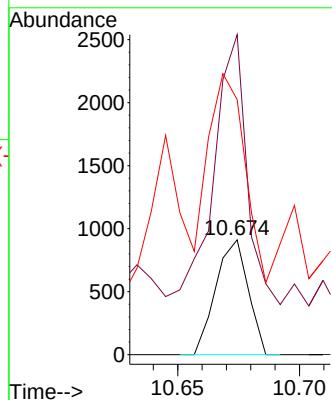
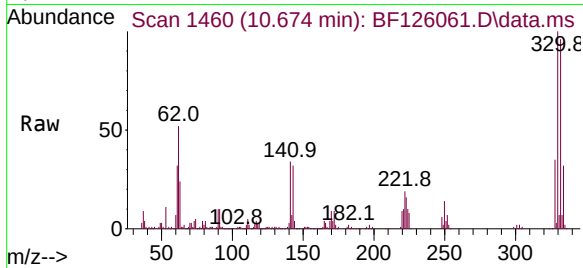




#65
4,6-Dinitro-2-methylphenol
Concen: 8.622 ng
RT: 10.674 min Scan# 1428
Delta R.T. 0.188 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

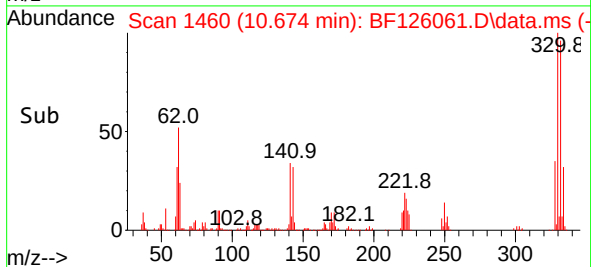
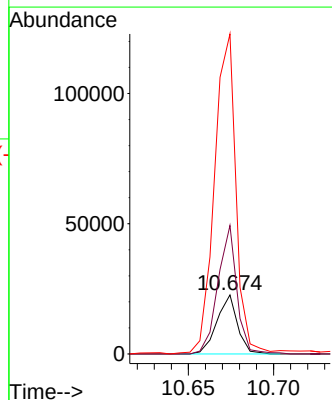
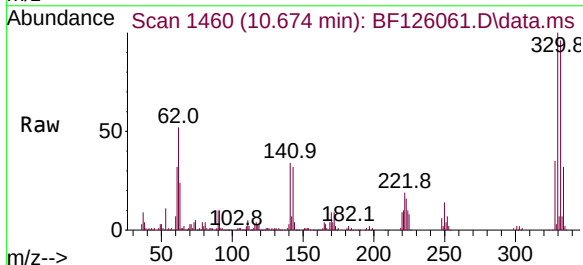
Instrument :
BNA_F
ClientSampleId :
TR-8-110321

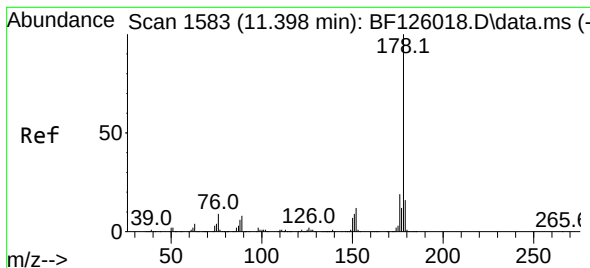
Tgt Ion:198 Resp: 842
Ion Ratio Lower Upper
198 100
51 278.4 45.3 85.3#
105 221.9 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 3.309 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.248 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

Tgt Ion:248 Resp: 19014
Ion Ratio Lower Upper
248 100
250 217.5 74.2 111.4#
141 541.7 60.4 90.6#





#71

Phenanthrene

Concen: 3.331 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126061.D

Acq: 8 Nov 2021 12:55

Instrument :

BNA_F

ClientSampleId :

TR-8-110321

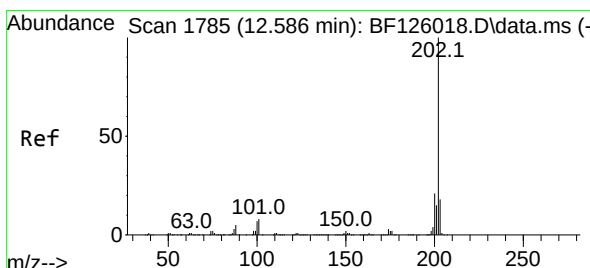
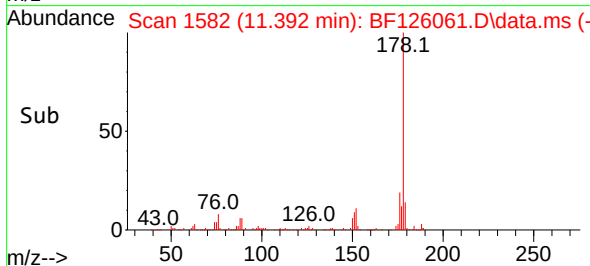
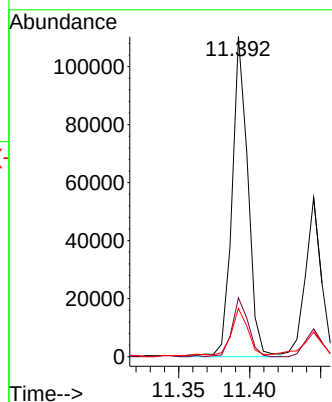
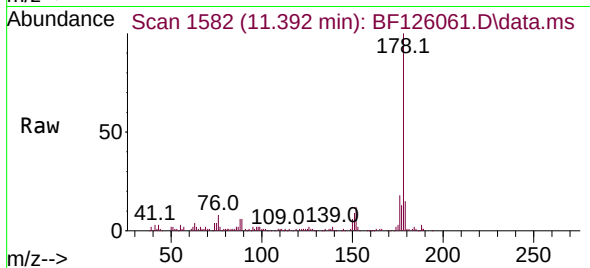
Tgt Ion:178 Resp: 85714

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

179 15.1 11.5 17.3



#75

Fluoranthene

Concen: 3.765 ng

RT: 12.586 min Scan# 1785

Delta R.T. 0.000 min

Lab File: BF126061.D

Acq: 8 Nov 2021 12:55

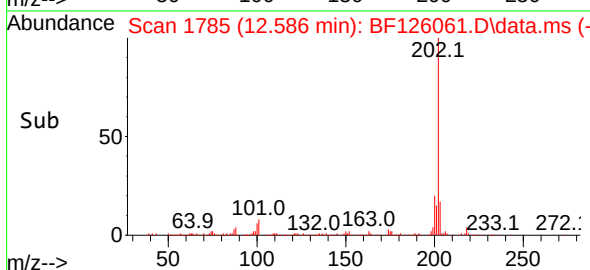
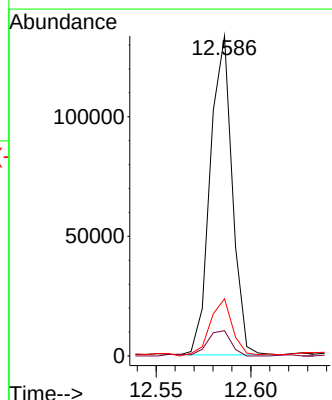
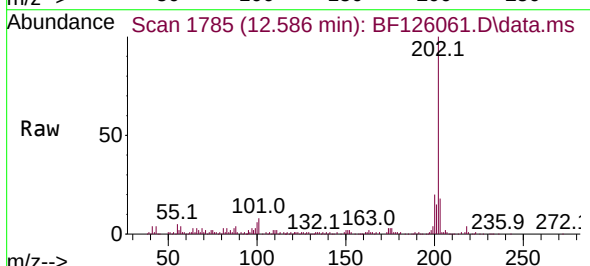
Tgt Ion:202 Resp: 107878

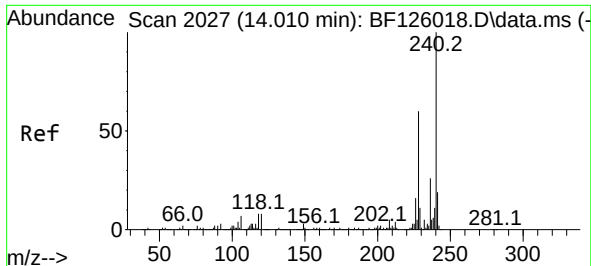
Ion Ratio Lower Upper

202 100

101 7.9 0.0 30.7

203 17.9 0.0 36.3

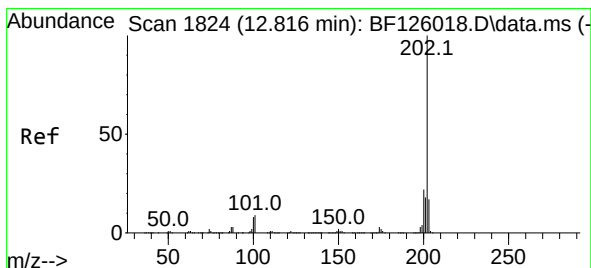
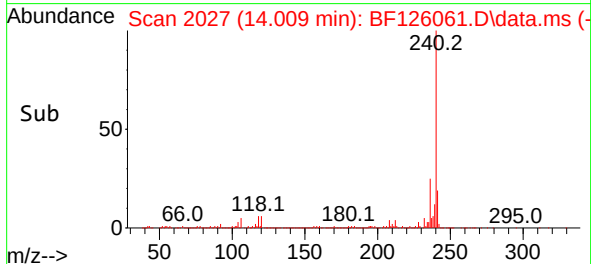
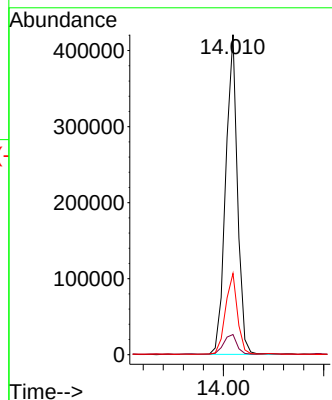
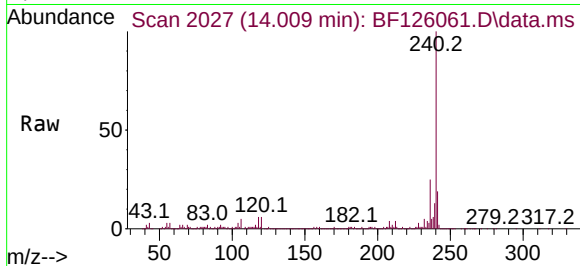




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.001 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

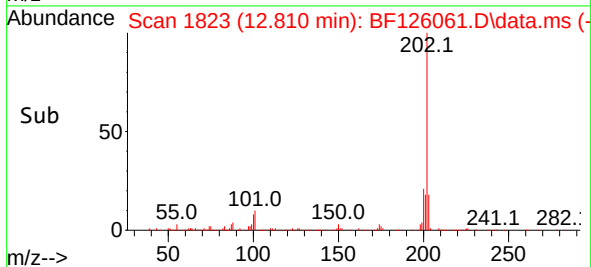
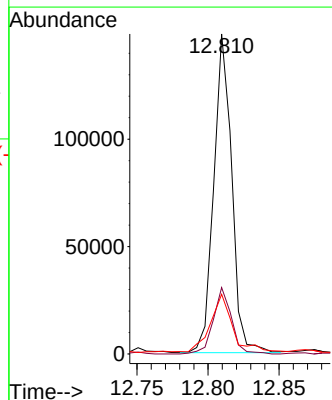
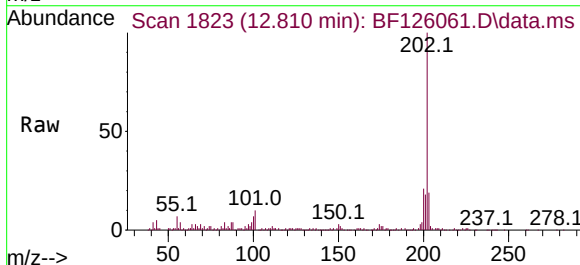
Instrument :
BNA_F
ClientSampleId :
TR-8-110321

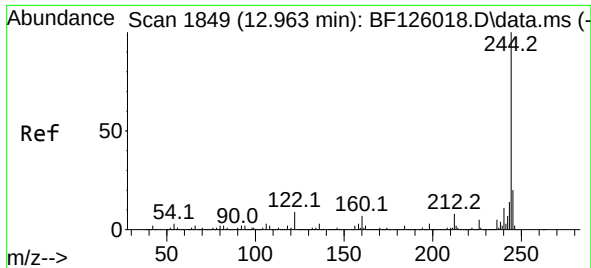
Tgt Ion:240 Resp: 342452
Ion Ratio Lower Upper
240 100
120 6.3 10.8 16.2#
236 25.4 21.6 32.4



#78
Pyrene
Concen: 4.764 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

Tgt Ion:202 Resp: 130823
Ion Ratio Lower Upper
202 100
200 20.7 15.3 22.9
203 18.6 13.4 20.0

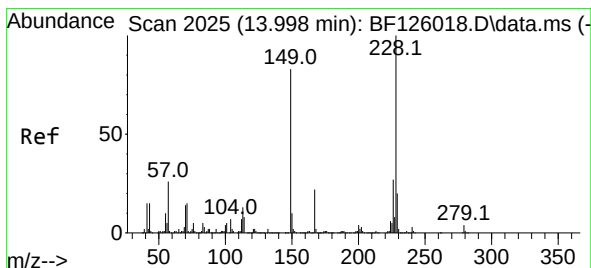
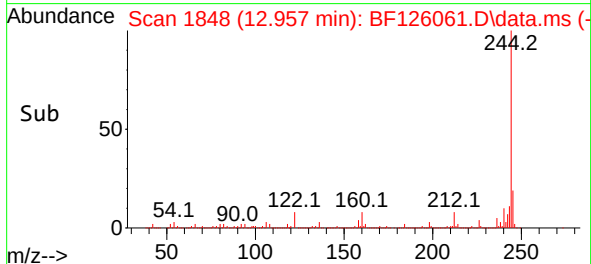
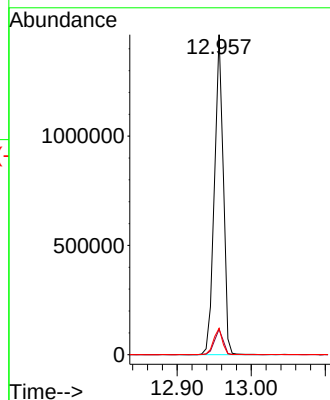
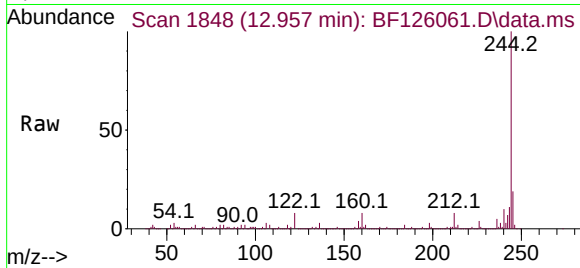




#79
 Terphenyl-d14
 Concen: 57.002 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF126061.D
 Acq: 8 Nov 2021 12:55

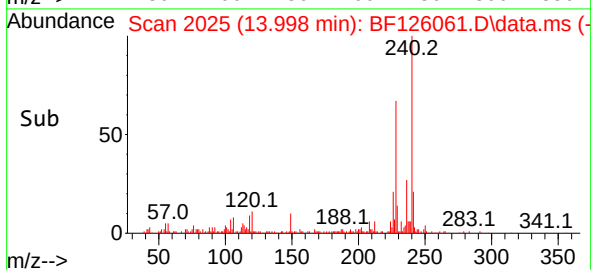
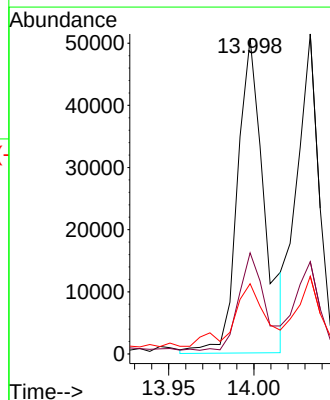
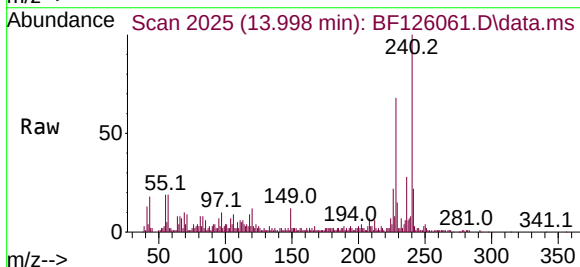
Instrument :
 BNA_F
 ClientSampleId :
 TR-8-110321

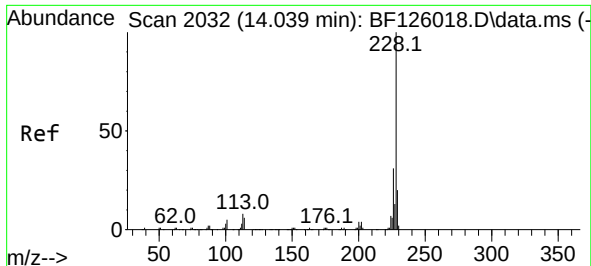
Tgt Ion:244 Resp: 1210545
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.9 8.9
 122 8.3 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 2.334 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: BF126061.D
 Acq: 8 Nov 2021 12:55

Tgt Ion:228 Resp: 54917
 Ion Ratio Lower Upper
 228 100
 226 32.0 21.6 32.4
 229 22.3 15.6 23.4

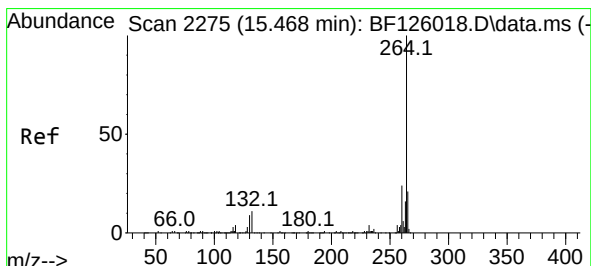
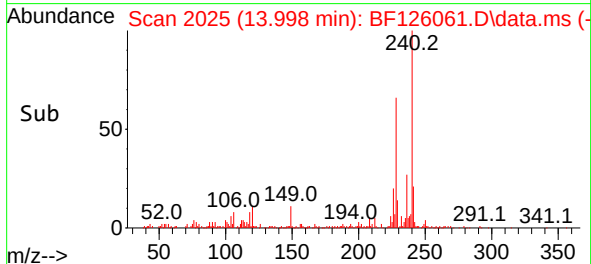
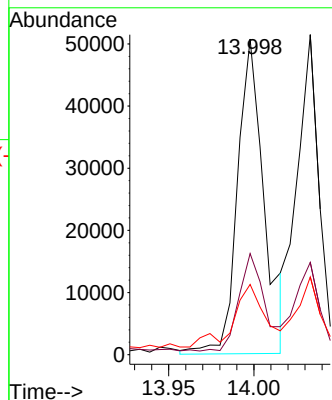
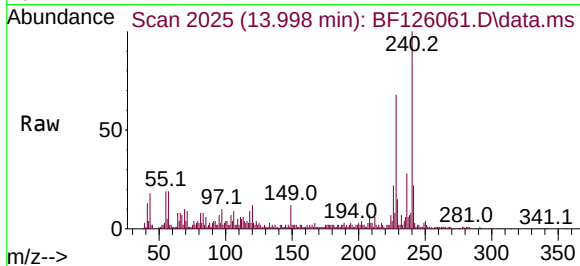




#83
Chrysene
Concen: 2.509 ng
RT: 13.998 min Scan# 2032
Delta R.T. -0.041 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

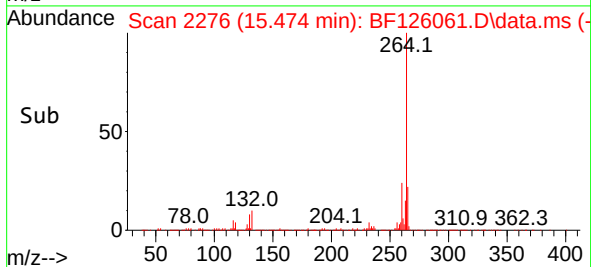
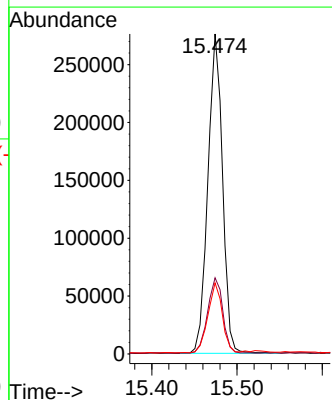
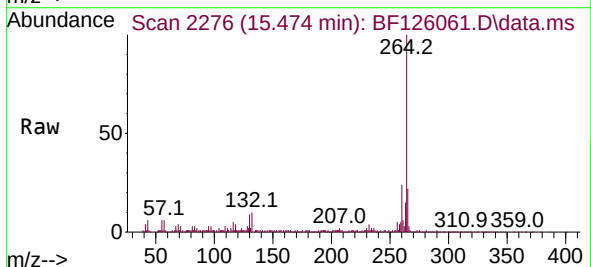
Instrument :
BNA_F
ClientSampleId :
TR-8-110321

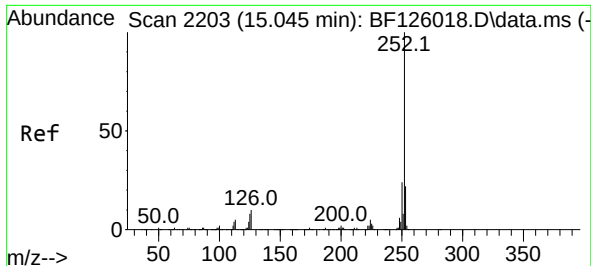
Tgt Ion:228 Resp: 54917
Ion Ratio Lower Upper
228 100
226 32.0 22.6 34.0
229 22.3 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

Tgt Ion:264 Resp: 328848
Ion Ratio Lower Upper
264 100
260 23.8 19.6 29.4
265 22.2 17.2 25.8

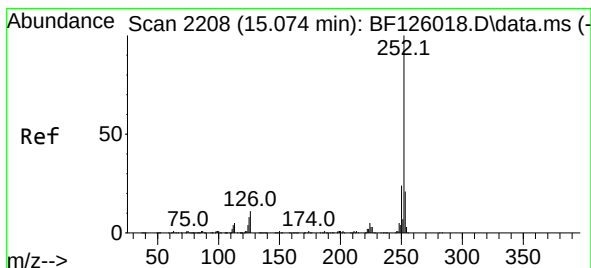
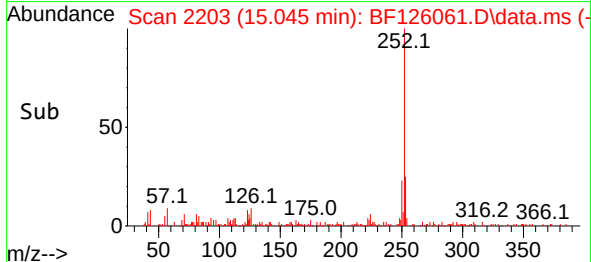
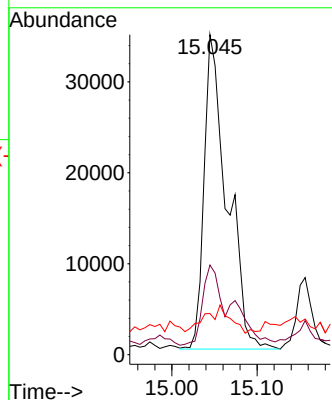
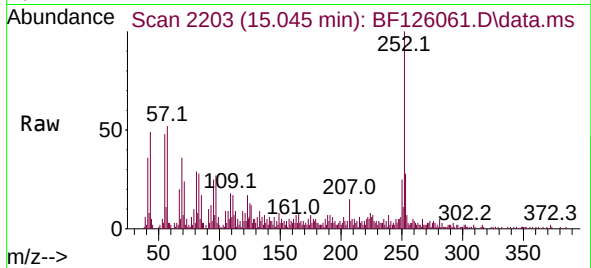




#88
Benzo(b)fluoranthene
Concen: 3.020 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

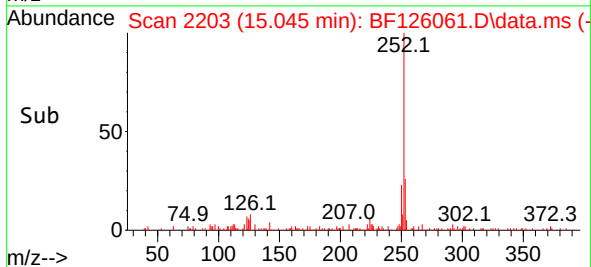
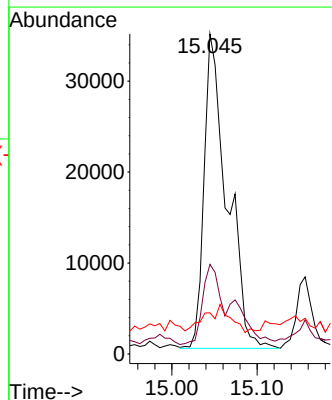
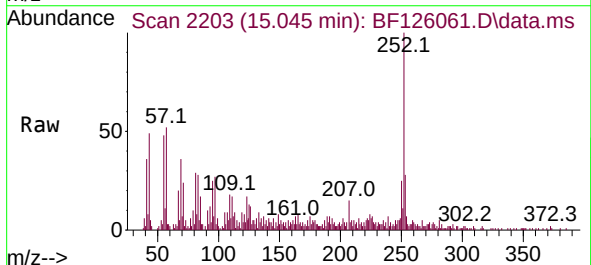
Instrument :
BNA_F
ClientSampleId :
TR-8-110321

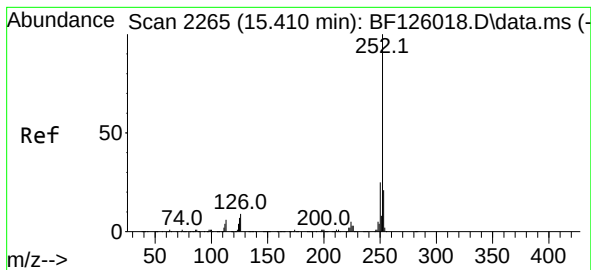
Tgt Ion:252 Resp: 64603
Ion Ratio Lower Upper
252 100
253 28.0 16.8 25.2#
125 12.9 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 3.113 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.030 min
Lab File: BF126061.D
Acq: 8 Nov 2021 12:55

Tgt Ion:252 Resp: 64603
Ion Ratio Lower Upper
252 100
253 28.0 17.8 26.8#
125 12.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.164 ng

RT: 15.409 min Scan# 21

Delta R.T. -0.001 min

Lab File: BF126061.D

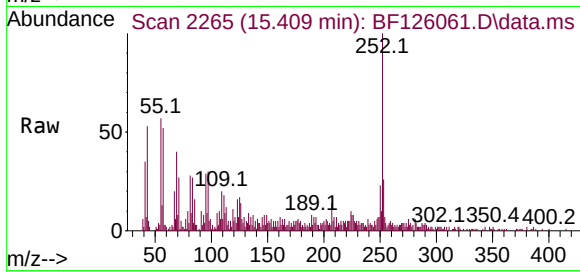
Acq: 8 Nov 2021 12:55

Instrument :

BNA_F

ClientSampleId :

TR-8-110321



Tgt Ion:252 Resp: 36471

Ion Ratio Lower Upper

252 100

253 26.3 18.4 27.6

125 16.7 9.9 14.9#

