

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111221\
 Data File : BF126158.D
 Acq On : 12 Nov 2021 18:00
 Operator : JU/CG
 Sample : M4644-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-5

Quant Time: Nov 15 06:36:22 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)

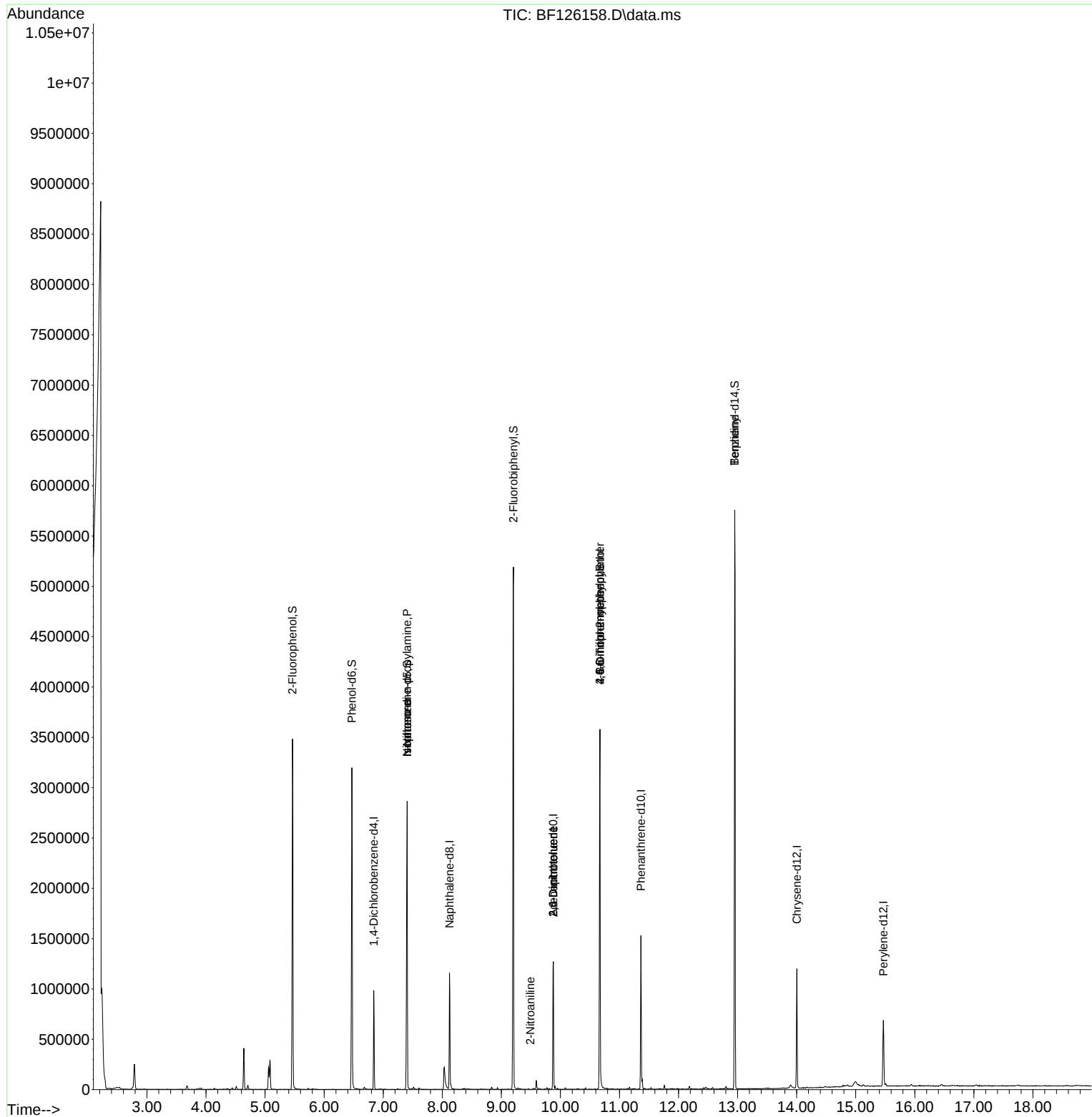
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	124188	20.000	ng	-0.02
21) Naphthalene-d8	8.122	136	462379	20.000	ng	#-0.02
39) Acenaphthene-d10	9.881	164	268951	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	500968	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	373267	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	314468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	823751	113.909	ng	0.00
7) Phenol-d6	6.469	99	945248	92.723	ng	-0.02
23) Nitrobenzene-d5	7.404	82	846728	86.362	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	405122	131.440	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1612192	81.006	ng	-0.01
79) Terphenyl-d14	12.951	244	1961155	84.724	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.387	77	108	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	119264	17.746	ng	# 61
25) Isophorone	7.404	82	846722	47.967	ng	# 59
48) 2-Nitroaniline	9.492	65	107	2.868	ng	# 1
51) 2,6-Dinitrotoluene	9.881	165	36802	10.965	ng	# 29
57) 2,4-Dinitrotoluene	9.881	165	36802	10.275	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.669	198	879	8.618	ng	# 1
67) 4-Bromophenyl-phenylether	10.669	248	26796	4.416	ng	# 1
77) Benzidine	12.951	184	29669	2.378	ng	# 92

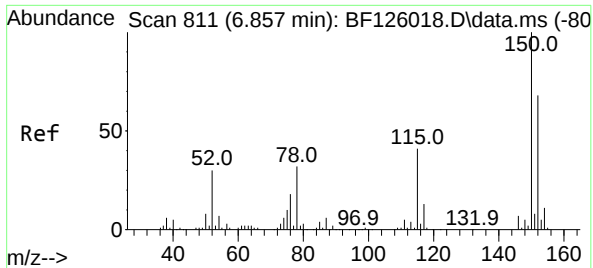
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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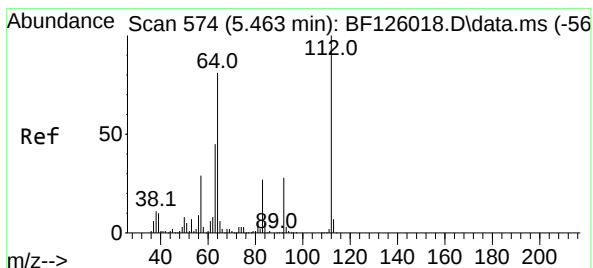
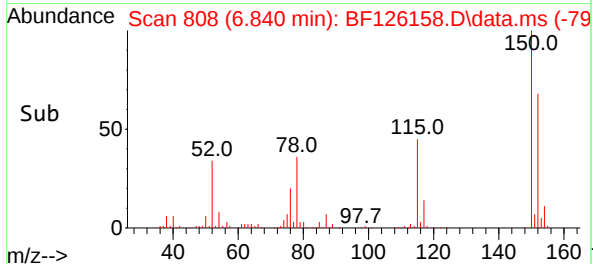
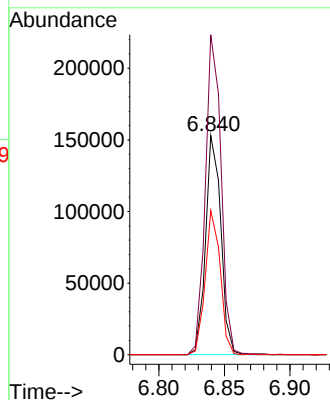
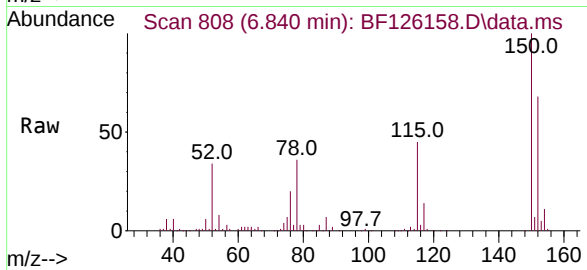




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.017 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

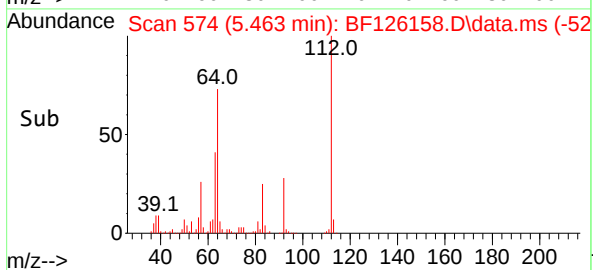
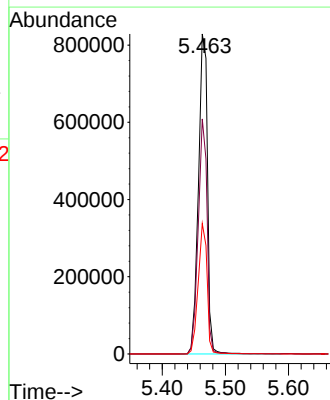
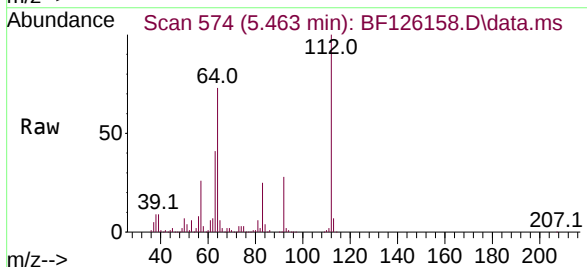
Instrument :
BNA_F
ClientSampleId :
C-5

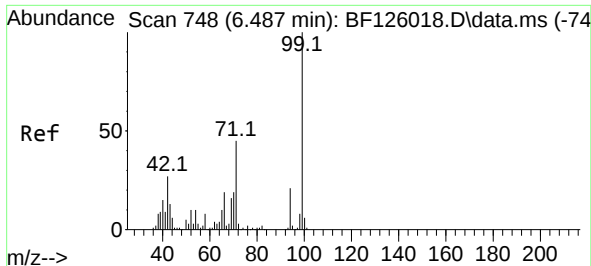
Tgt Ion:152 Resp: 124188
Ion Ratio Lower Upper
152 100
150 146.1 117.6 176.4
115 65.8 47.1 70.7



#5
2-Fluorophenol
Concen: 113.909 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

Tgt Ion:112 Resp: 823751
Ion Ratio Lower Upper
112 100
64 73.5 44.2 66.2#
63 40.8 26.2 39.2#

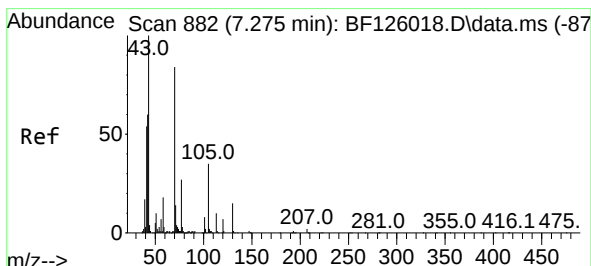
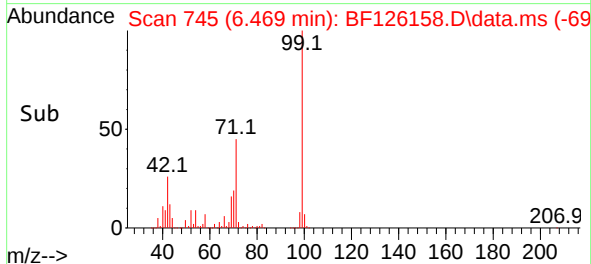
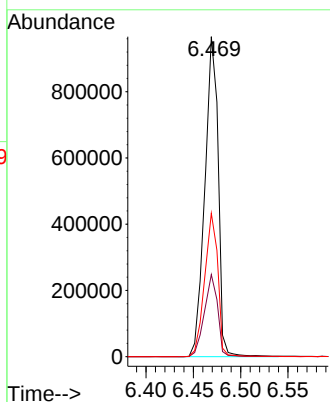
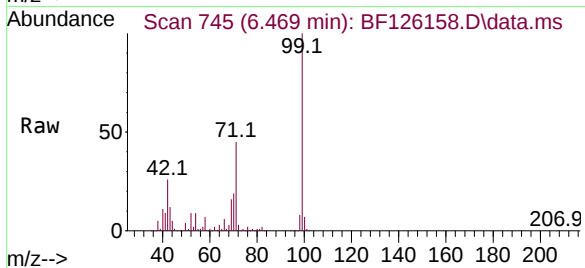




#7
Phenol-d6
Concen: 92.723 ng
RT: 6.469 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

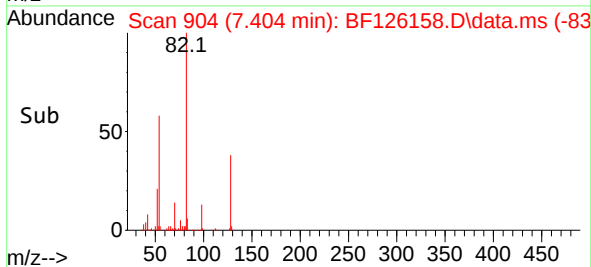
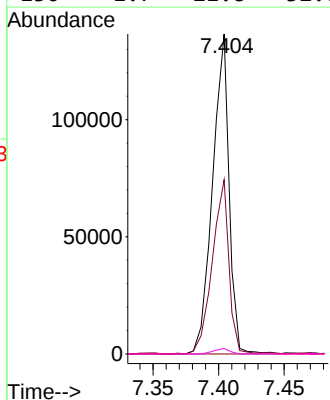
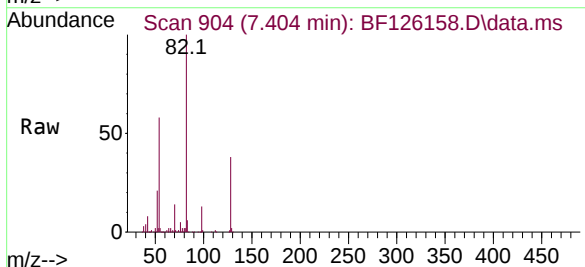
Instrument :
BNA_F
ClientSampleId :
C-5

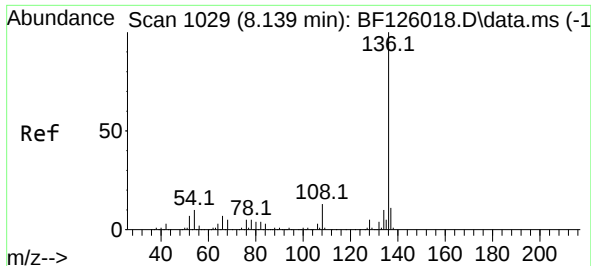
Tgt Ion: 99 Resp: 945248
Ion Ratio Lower Upper
99 100
42 25.7 23.5 35.3
71 44.8 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 17.746 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.129 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

Tgt Ion: 70 Resp: 119264
Ion Ratio Lower Upper
70 100
42 54.4 72.2 108.2#
101 0.0 7.8 11.8#
130 1.7 21.8 32.6#

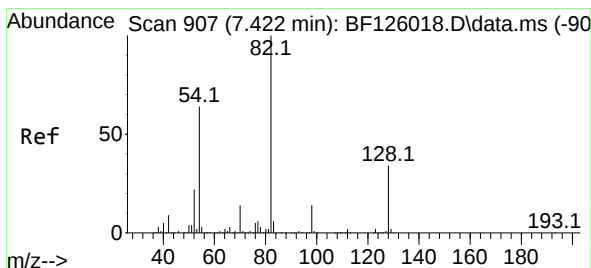
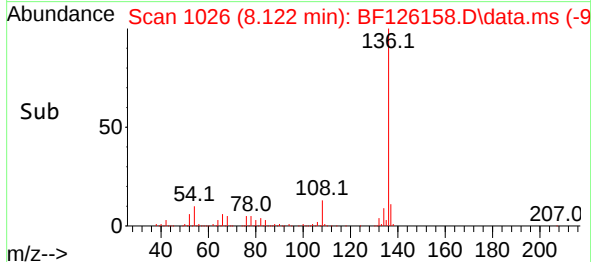
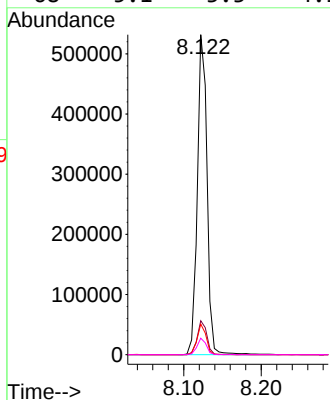
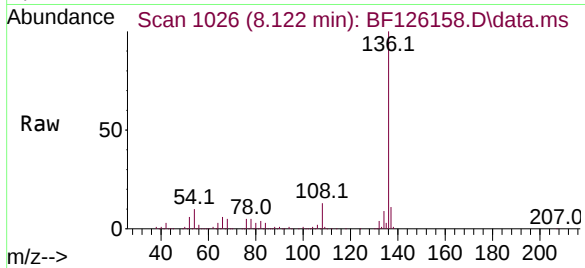




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.017 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

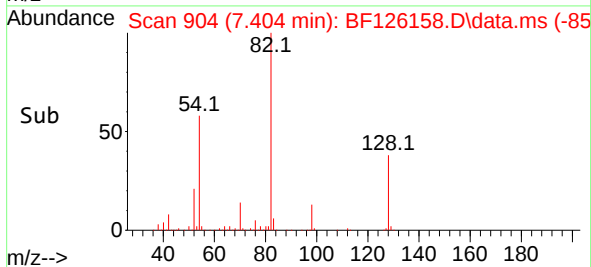
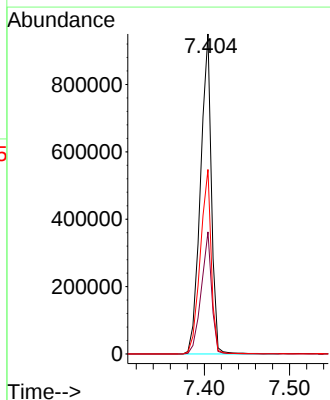
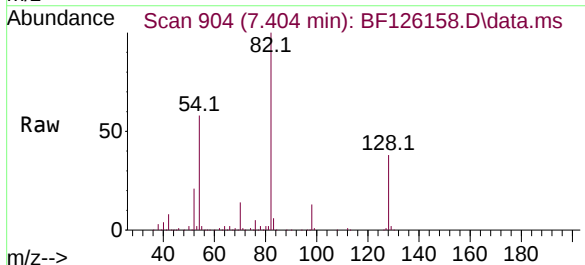
Instrument :
BNA_F
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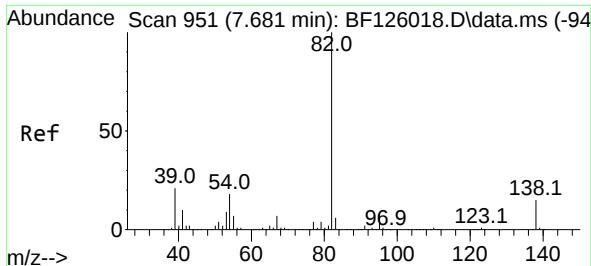
Tgt Ion:136 Resp: 462379
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 9.5 6.4 9.6
68 5.1 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 86.362 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

Tgt Ion: 82 Resp: 846728
Ion Ratio Lower Upper
82 100
128 38.1 40.6 60.8#
54 57.7 49.6 74.4

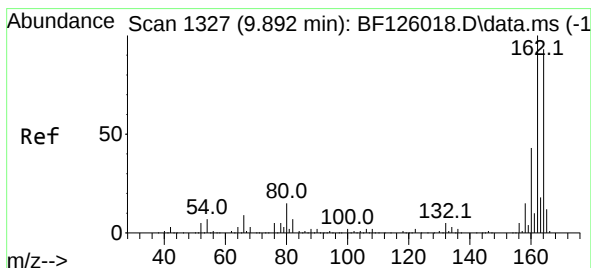
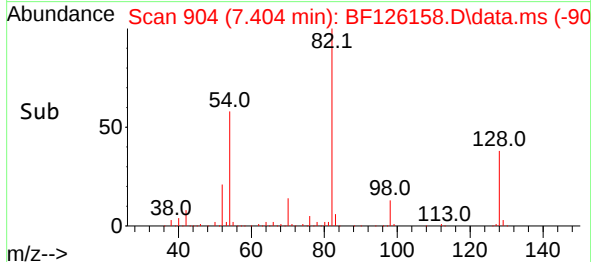
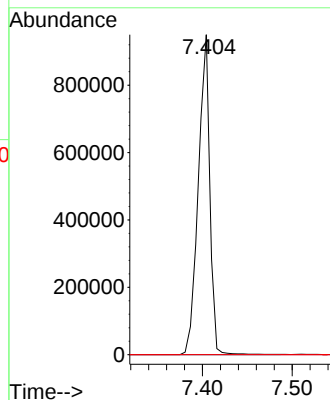
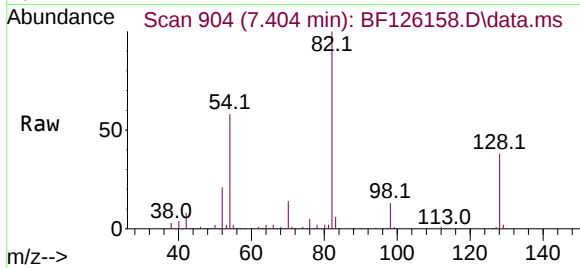




#25
Isophorone
Concen: 47.967 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.277 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

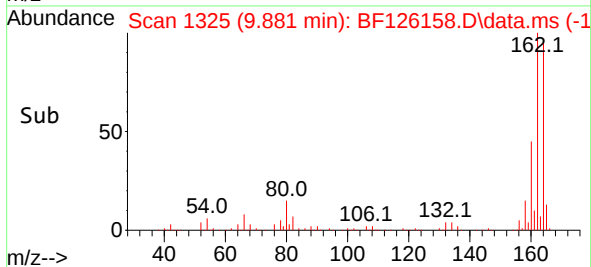
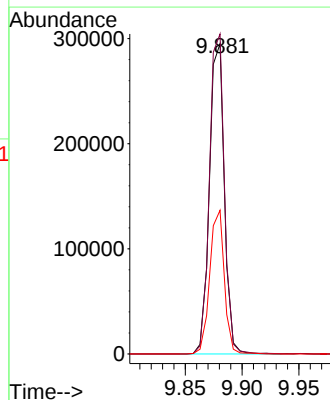
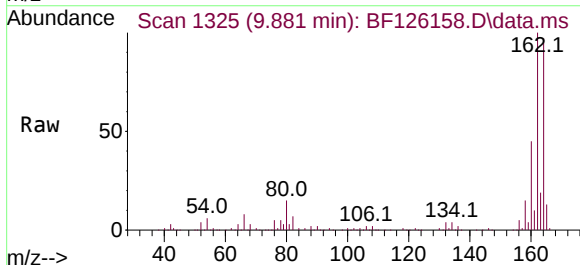
Instrument :
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ClientSampleId :
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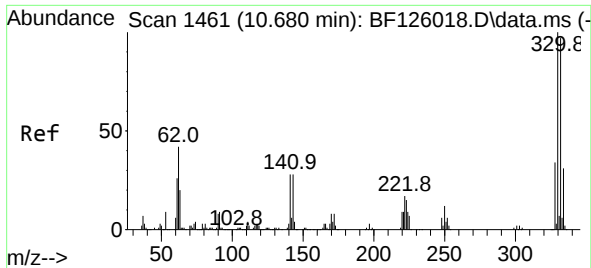
Tgt Ion: 82 Resp: 846722
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.011 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

Tgt Ion: 164 Resp: 268951
Ion Ratio Lower Upper
164 100
162 103.1 81.3 121.9
160 46.3 38.0 57.0

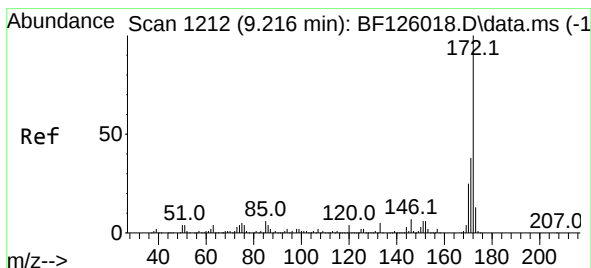
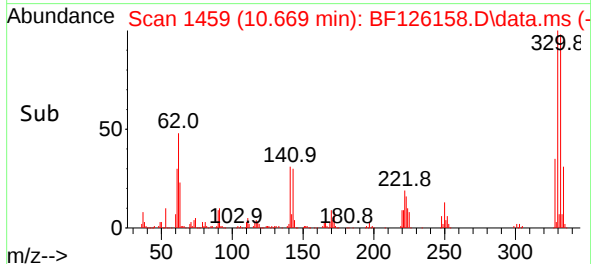
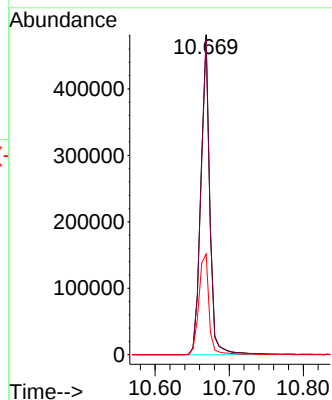
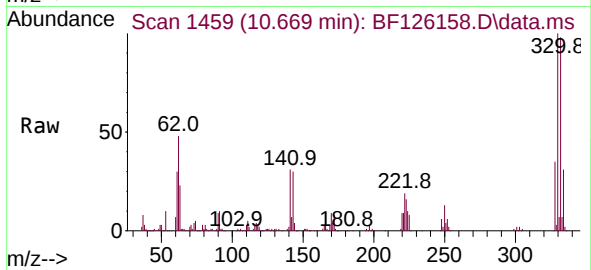




#42
2,4,6-Tribromophenol
Concen: 131.440 ng
RT: 10.669 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

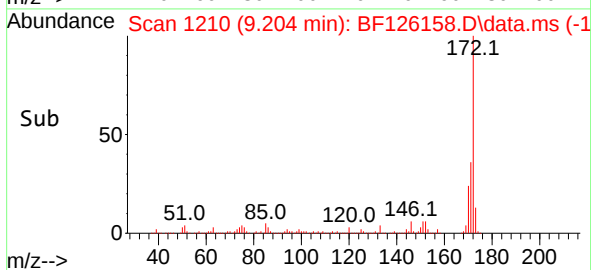
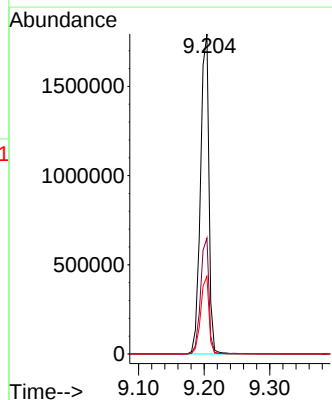
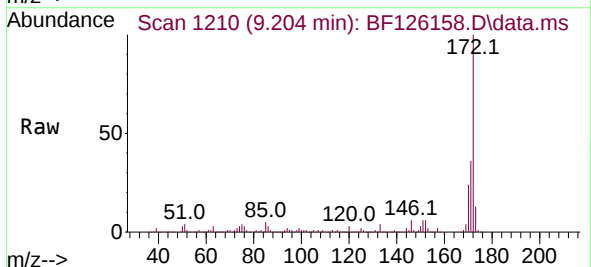
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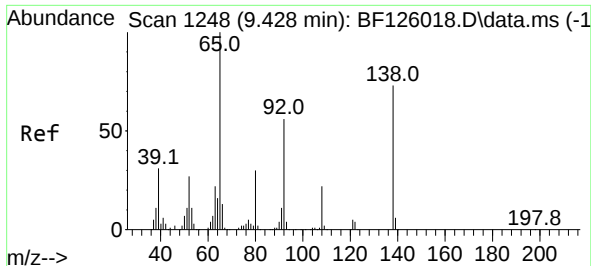
Tgt Ion:330 Resp: 405122
Ion Ratio Lower Upper
330 100
332 98.1 76.2 114.4
141 35.4 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 81.006 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

Tgt Ion:172 Resp: 1612192
Ion Ratio Lower Upper
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171 36.2 26.5 39.7
170 24.3 18.8 28.2

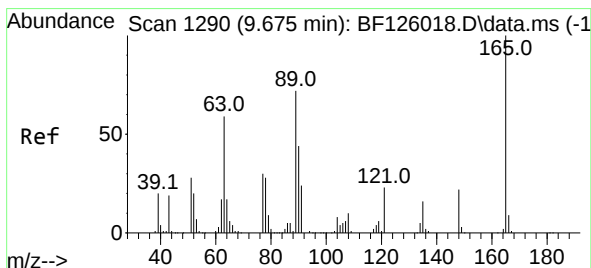
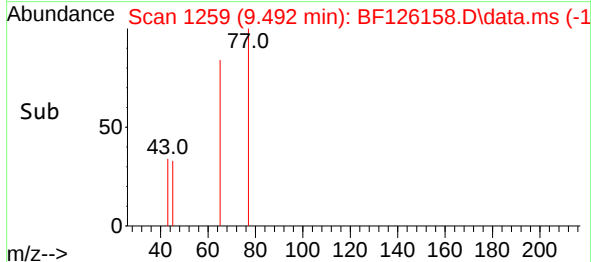
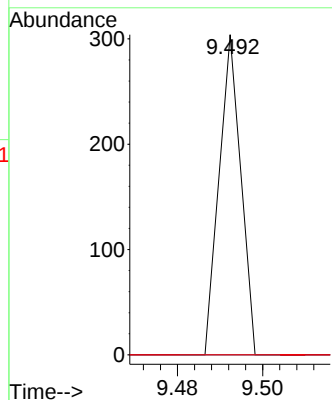
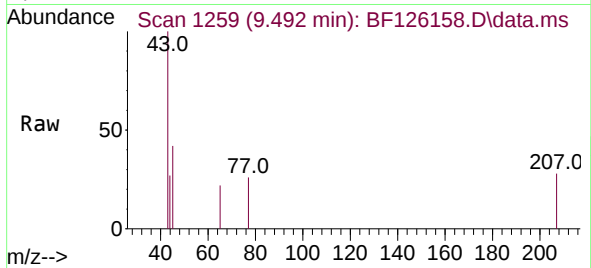




#48
2-Nitroaniline
Concen: 2.868 ng
RT: 9.492 min Scan# 11
Delta R.T. 0.064 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

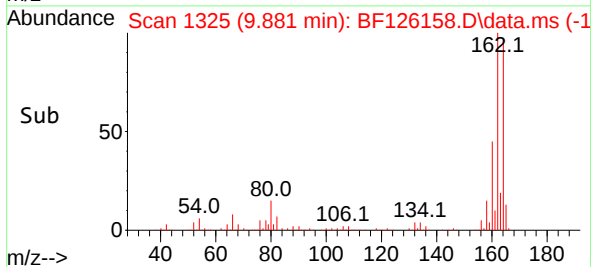
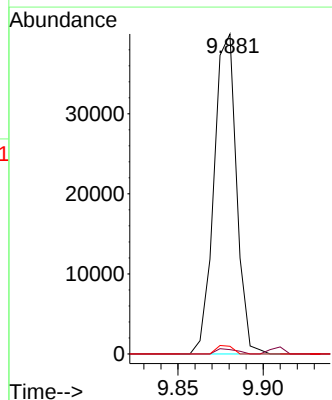
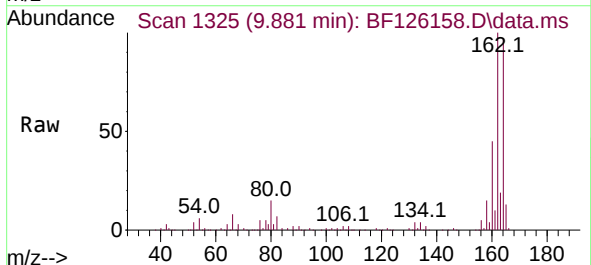
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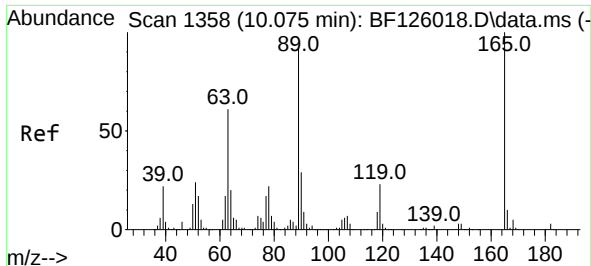
Tgt Ion: 65 Resp: 107
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#



#51
2,6-Dinitrotoluene
Concen: 10.965 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.206 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

Tgt Ion: 165 Resp: 36802
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 2.4 40.6 60.8#

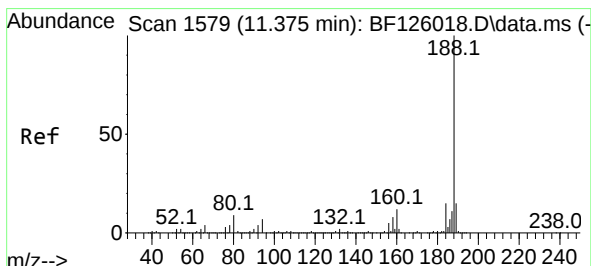
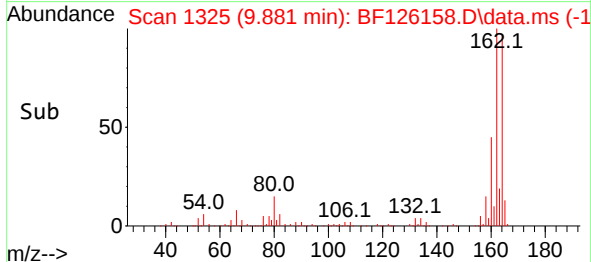
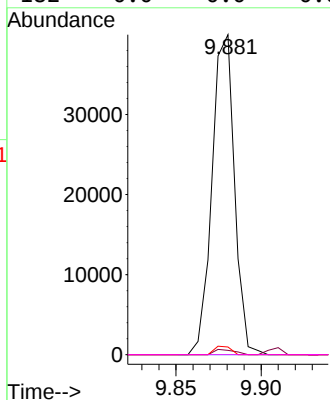
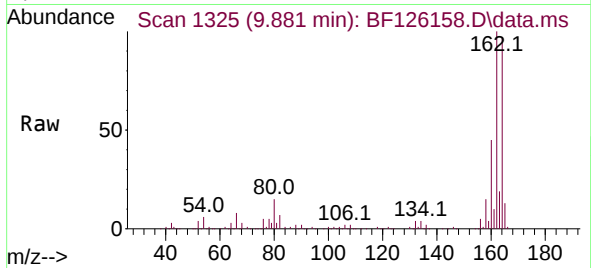




#57
2,4-Dinitrotoluene
Concen: 10.275 ng
RT: 9.881 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

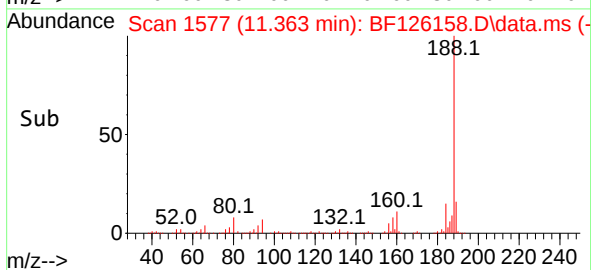
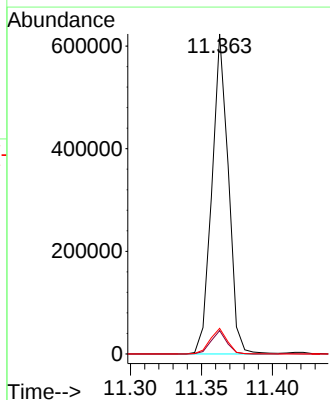
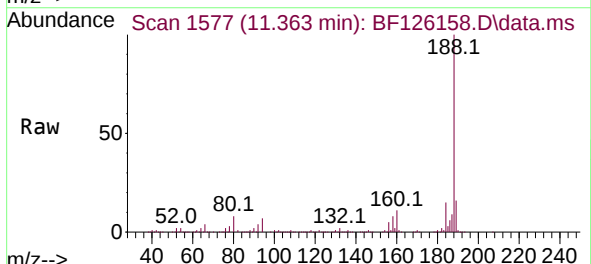
Instrument :
BNA_F
ClientSampleId :
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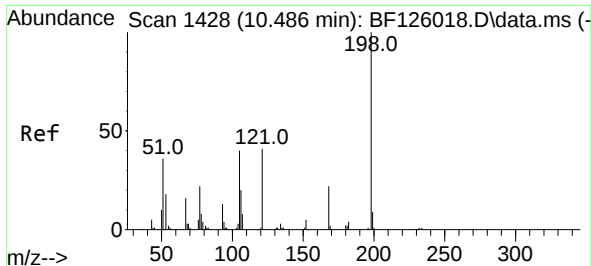
Tgt Ion:165 Resp: 36802
Ion Ratio Lower Upper
165 100
63 1.3 40.9 61.3#
89 2.4 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

Tgt Ion:188 Resp: 500968
Ion Ratio Lower Upper
188 100
94 7.3 6.7 10.1
80 8.0 7.5 11.3

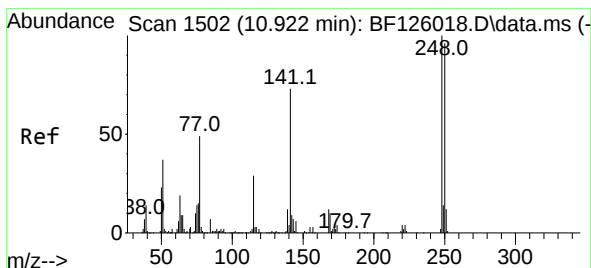
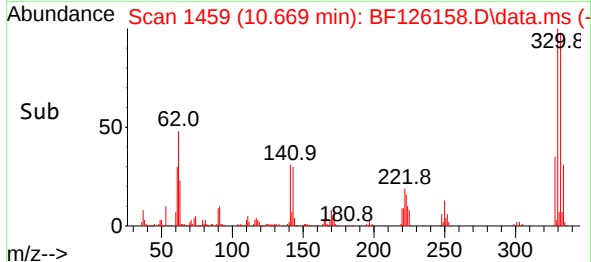
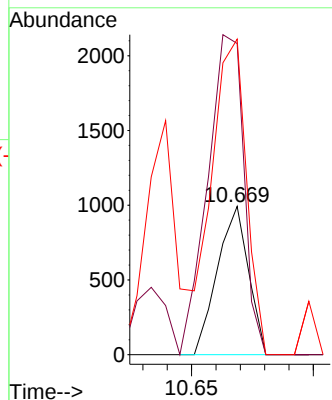
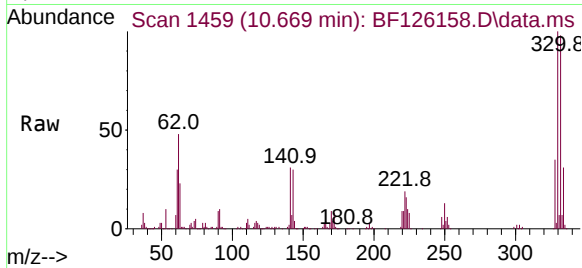




#65
4,6-Dinitro-2-methylphenol
Concen: 8.618 ng
RT: 10.669 min Scan# 1428
Delta R.T. 0.183 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

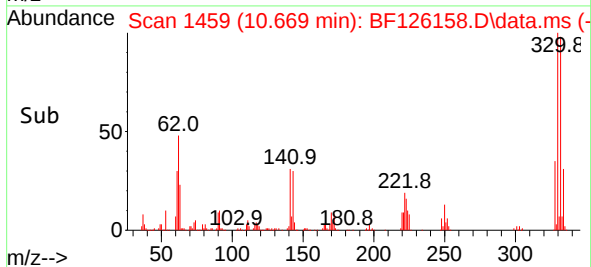
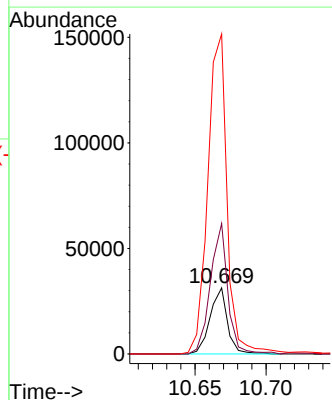
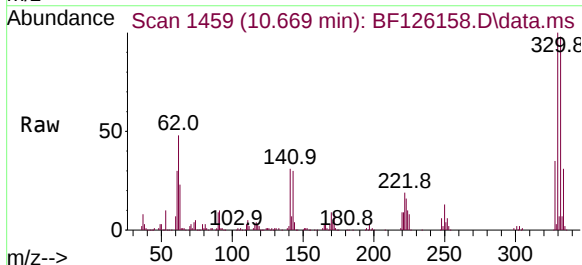
Instrument :
BNA_F
ClientSampleId :
C-5

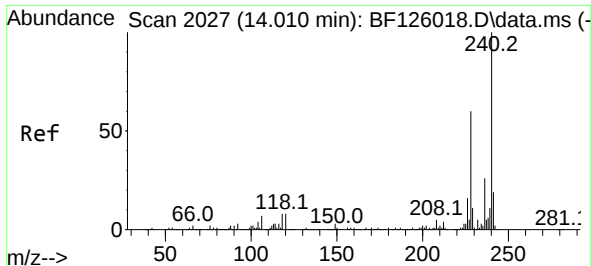
Tgt Ion:198 Resp: 879
Ion Ratio Lower Upper
198 100
51 209.9 45.3 85.3#
105 212.8 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 4.416 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.253 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

Tgt Ion:248 Resp: 26796
Ion Ratio Lower Upper
248 100
250 197.5 74.2 111.4#
141 484.7 60.4 90.6#

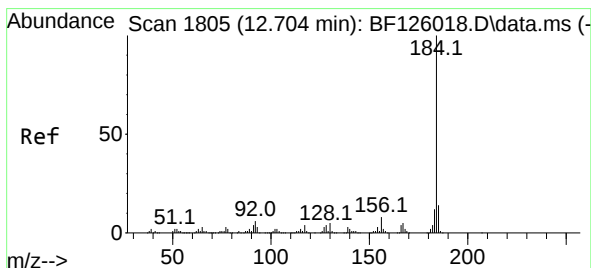
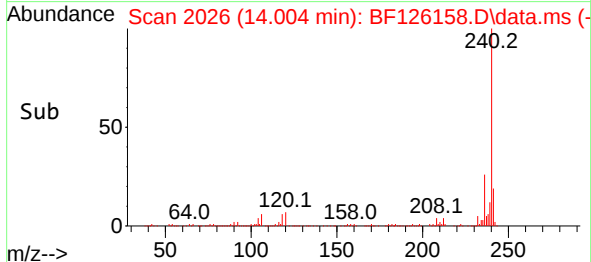
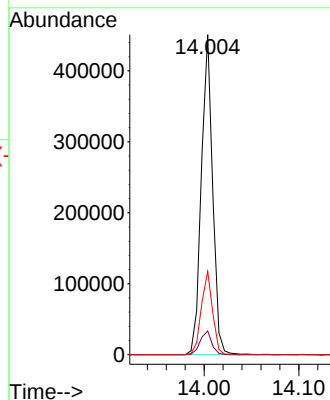
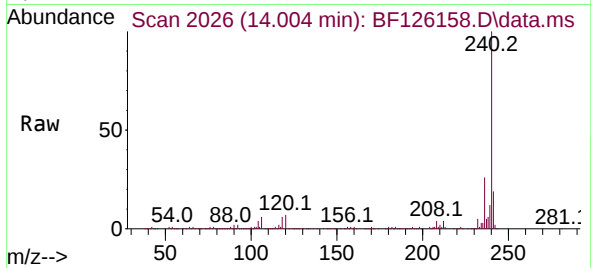




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

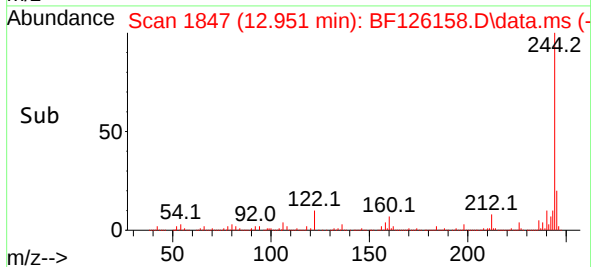
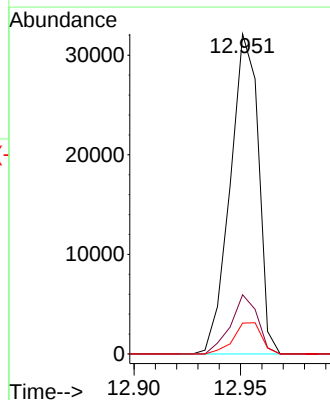
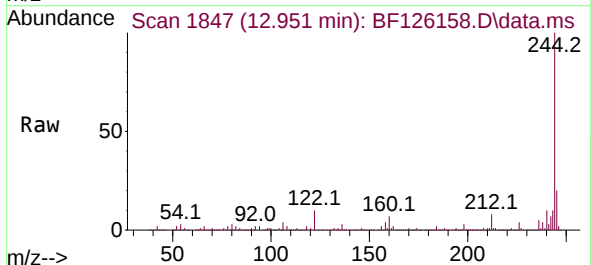
Instrument :
BNA_F
ClientSampleId :
C-5

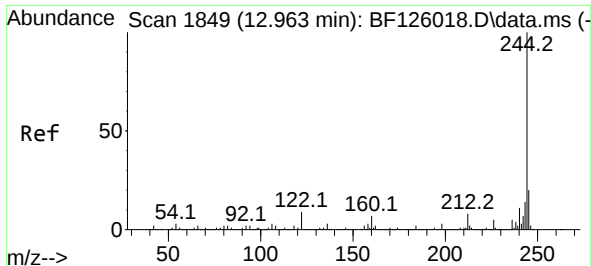
Tgt Ion:240 Resp: 373267
Ion Ratio Lower Upper
240 100
120 7.4 10.8 16.2#
236 26.0 21.6 32.4



#77
Benzidine
Concen: 2.378 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.247 min
Lab File: BF126158.D
Acq: 12 Nov 2021 18:00

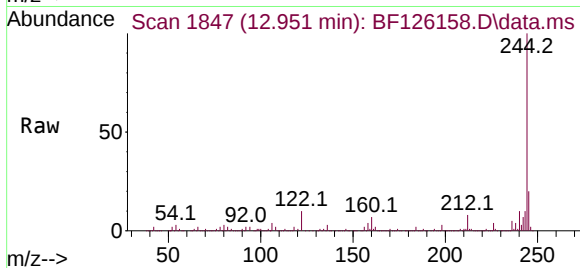
Tgt Ion:184 Resp: 29669
Ion Ratio Lower Upper
184 100
185 18.5 10.8 16.2#
183 9.6 8.1 12.1



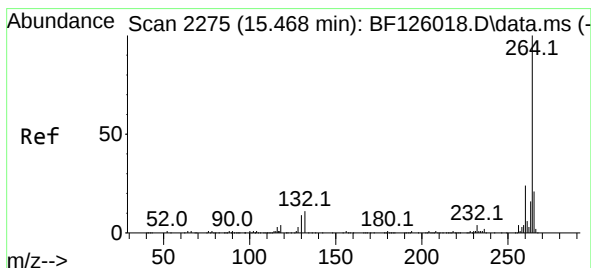
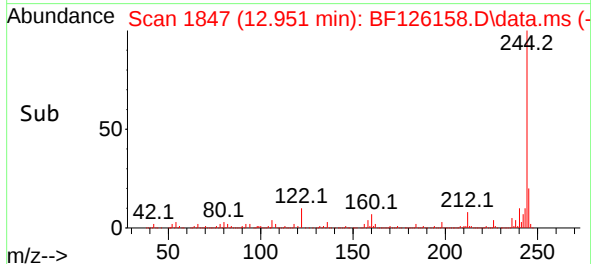
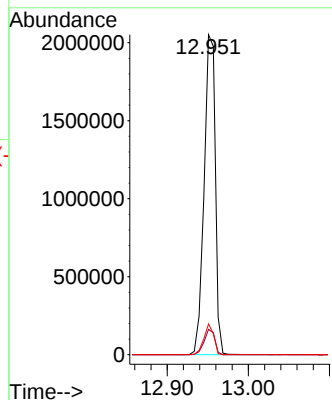


#79
 Terphenyl-d14
 Concen: 84.724 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.012 min
 Lab File: BF126158.D
 Acq: 12 Nov 2021 18:00

Instrument :
 BNA_F
 ClientSampleId :
 C-5



Tgt Ion:244 Resp: 1961155
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.9 8.9
 122 9.6 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 2275
 Delta R.T. 0.000 min
 Lab File: BF126158.D
 Acq: 12 Nov 2021 18:00

Tgt Ion:264 Resp: 314468
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.6 29.4
 265 21.7 17.2 25.8

