

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110921\
 Data File : BF126079.D
 Acq On : 9 Nov 2021 13:13
 Operator : JU/CG
 Sample : M4540-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Nov 09 14:52:46 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)

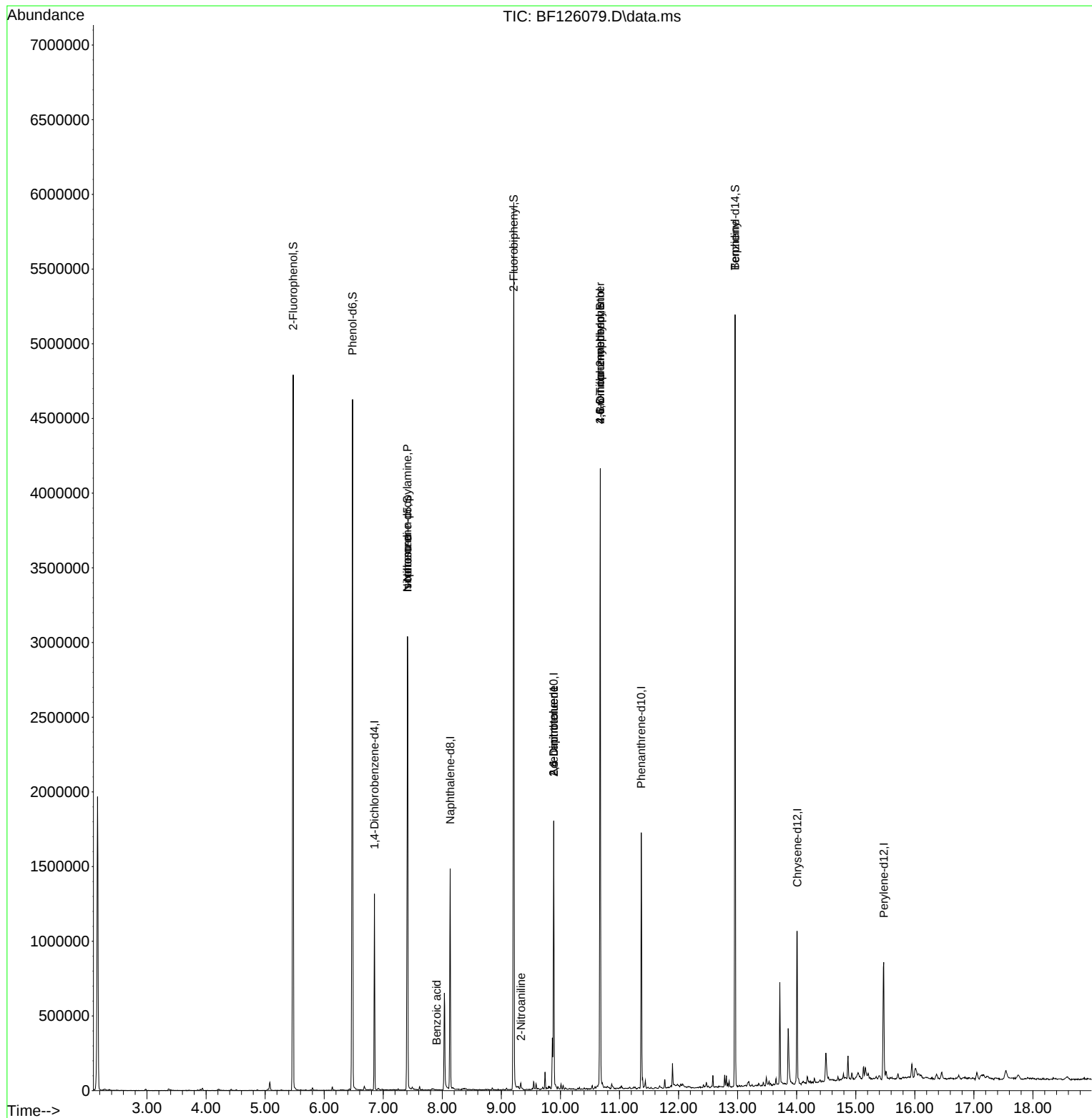
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	156380	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	570557	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	336324	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	586771	20.000	ng	0.00
76) Chrysene-d12	14.010	240	356016	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	367163	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1058508	116.240	ng	0.01
7) Phenol-d6	6.481	99	1363672	106.231	ng	0.00
23) Nitrobenzene-d5	7.410	82	1020896	84.384	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	441318	114.501	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1788879	71.878	ng	0.00
79) Terphenyl-d14	12.957	244	1527039	69.166	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.398	77	327	Below Cal	#	33
19) n-Nitroso-di-n-propyla...	7.410	70	144891	17.121	ng	# 62
25) Isophorone	7.410	82	1011352	46.430	ng	# 59
32) Benzoic acid	7.904	122	341	9.198	ng	# 55
48) 2-Nitroaniline	9.333	65	608	2.935	ng	# 16
51) 2,6-Dinitrotoluene	9.886	165	43592	10.386	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	43592	9.900	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.675	198	1089	8.635	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	29398	4.136	ng	# 1
77) Benzidine	12.957	184	23956	2.013	ng	# 91

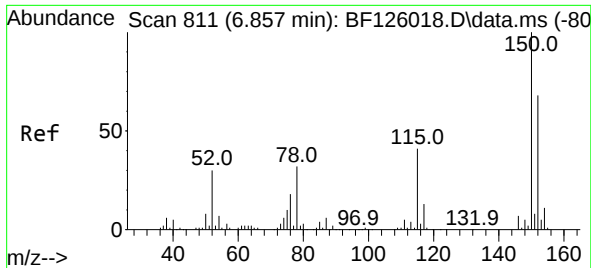
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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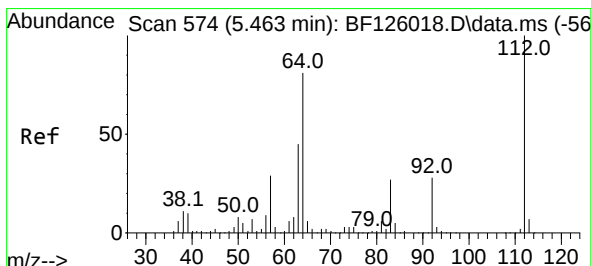
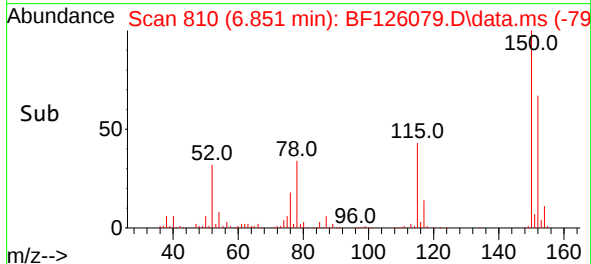
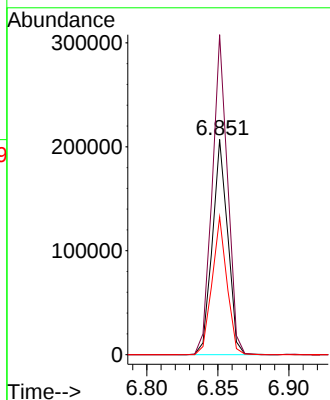
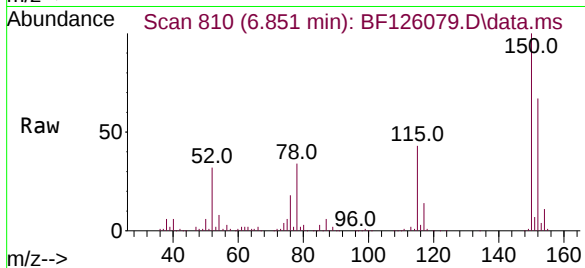




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13

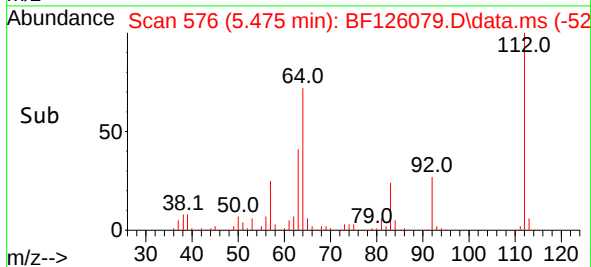
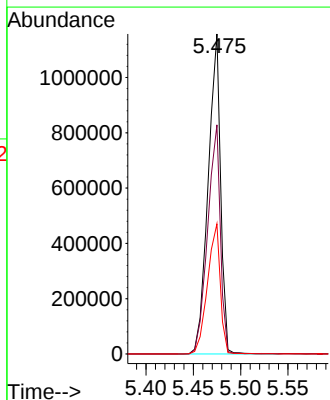
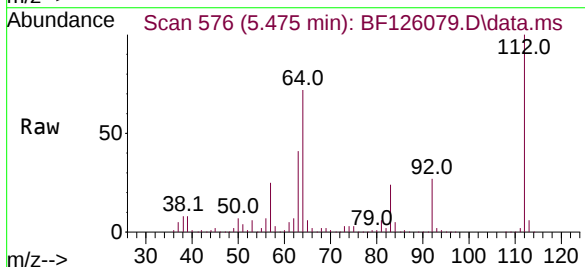
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BNA_F
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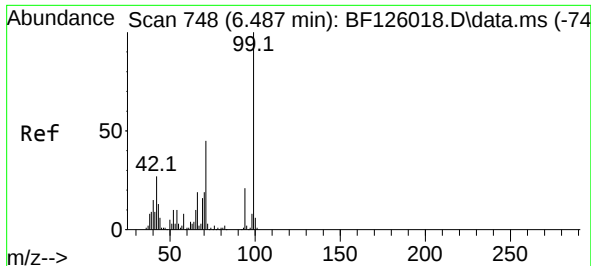
Tgt Ion:152 Resp: 156380
Ion Ratio Lower Upper
152 100
150 148.7 117.6 176.4
115 64.0 47.1 70.7



#5
2-Fluorophenol
Concen: 116.240 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13

Tgt Ion:112 Resp: 1058508
Ion Ratio Lower Upper
112 100
64 71.6 44.2 66.2#
63 40.6 26.2 39.2#

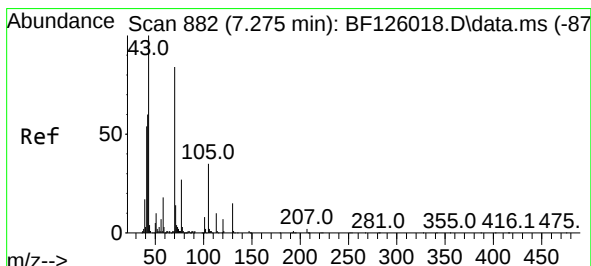
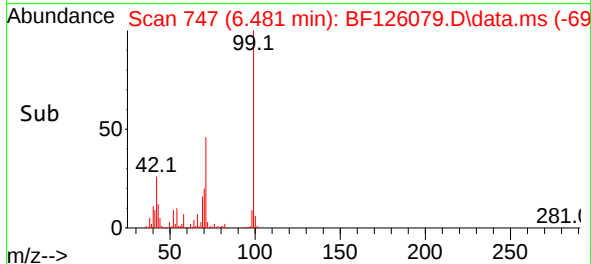
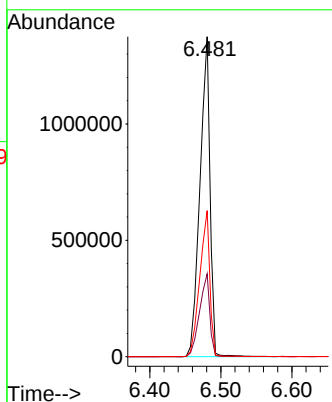
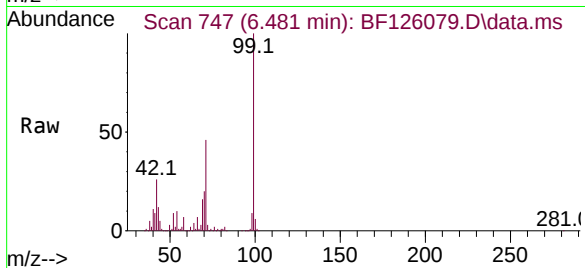




#7
Phenol-d6
Concen: 106.231 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13

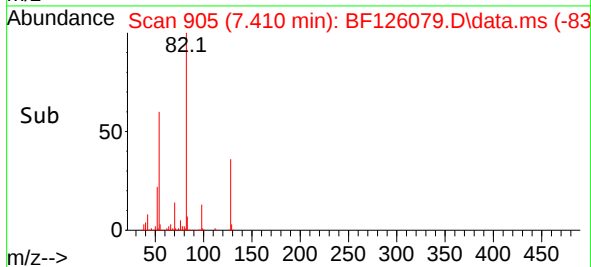
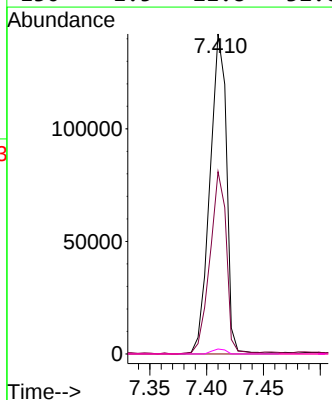
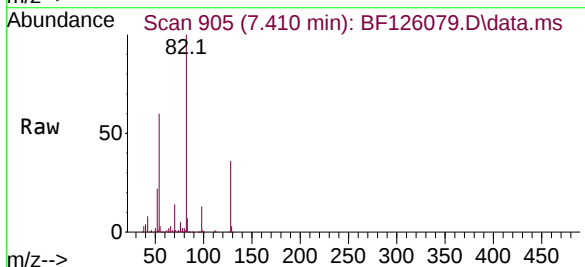
Instrument :
BNA_F
ClientSampleId :
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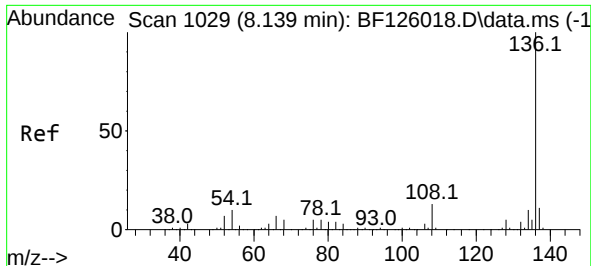
Tgt Ion: 99 Resp: 1363672
Ion Ratio Lower Upper
99 100
42 25.9 23.5 35.3
71 45.7 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 17.121 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.135 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13

Tgt Ion: 70 Resp: 144891
Ion Ratio Lower Upper
70 100
42 57.0 72.2 108.2#
101 0.0 7.8 11.8#
130 1.5 21.8 32.6#

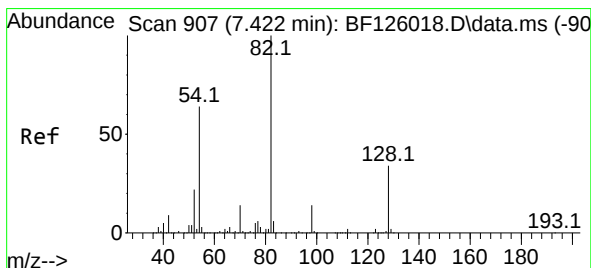
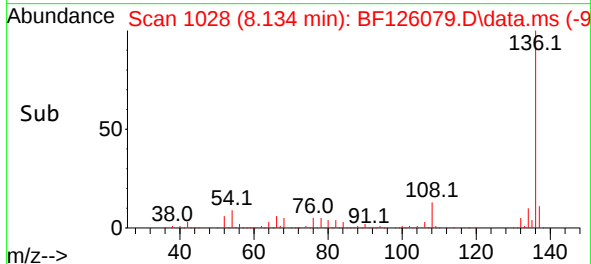
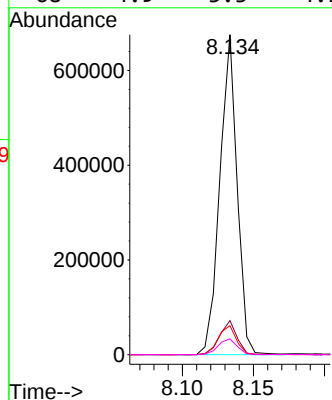
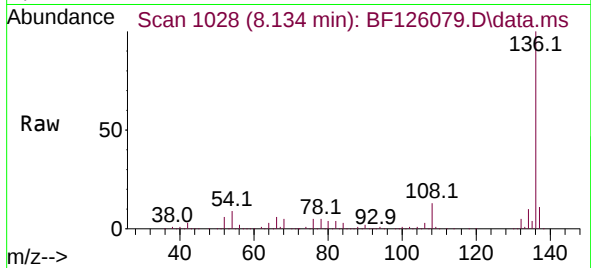




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13

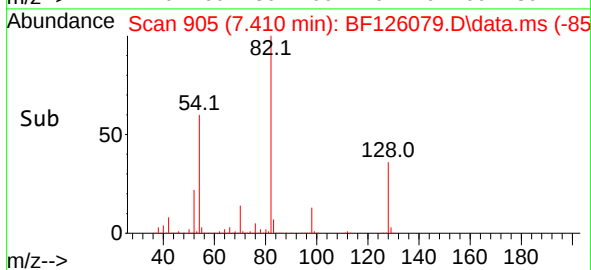
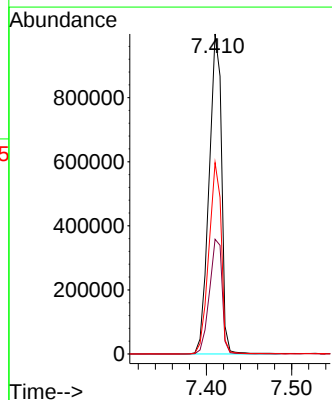
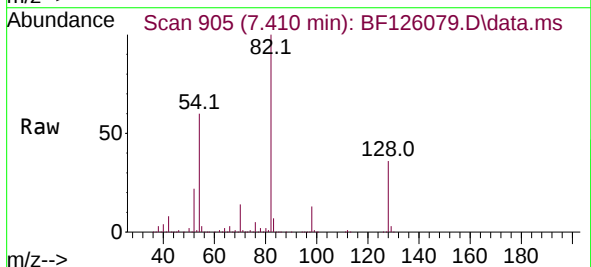
Instrument :
BNA_F
ClientSampleId :
TP-5

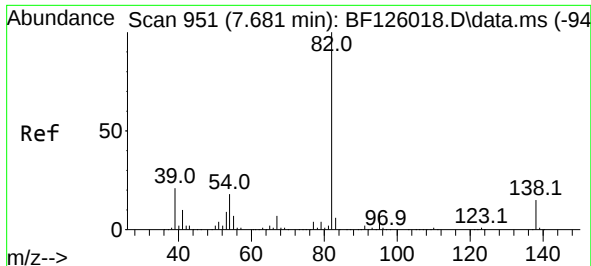
Tgt Ion:136 Resp: 570557
Ion Ratio Lower Upper
136 100
137 10.7 9.8 14.6
54 9.0 6.4 9.6
68 4.9 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 84.384 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13

Tgt Ion: 82 Resp: 1020896
Ion Ratio Lower Upper
82 100
128 35.9 40.6 60.8#
54 59.8 49.6 74.4

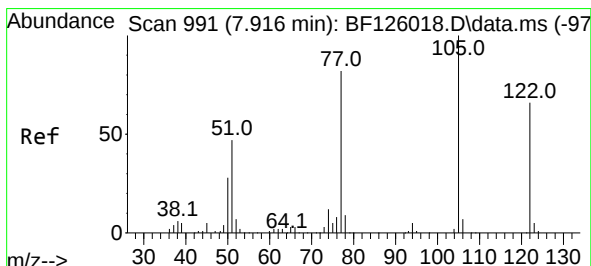
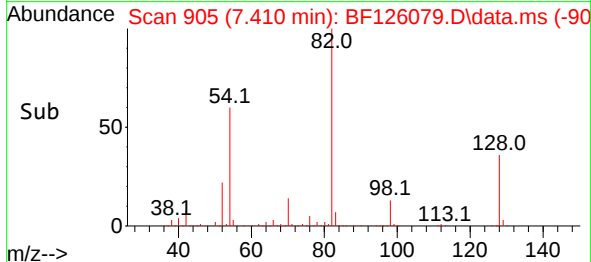
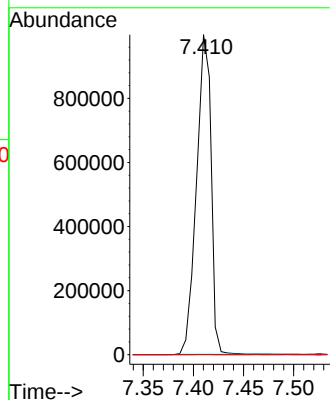
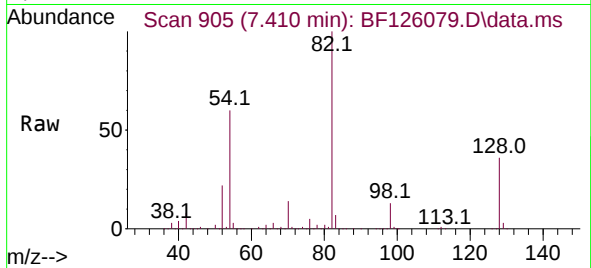




#25
Isophorone
Concen: 46.430 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13

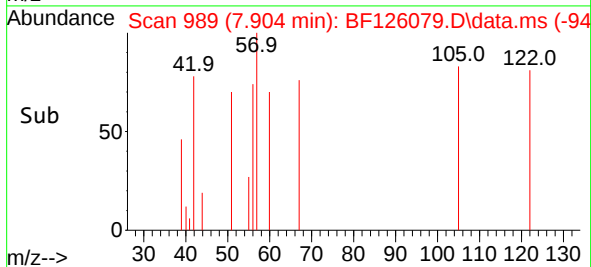
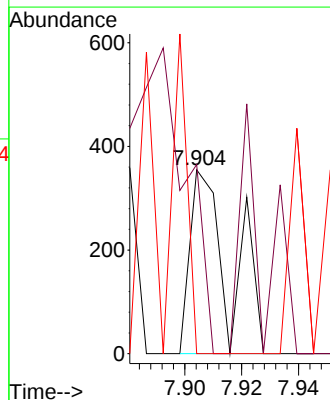
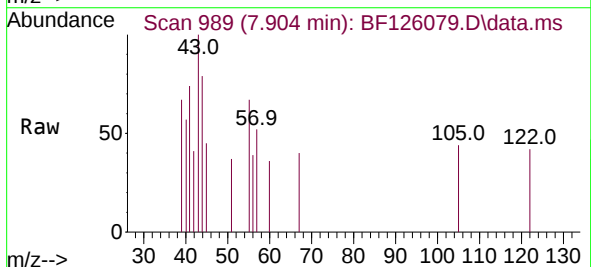
Instrument :
BNA_F
ClientSampleId :
TP-5

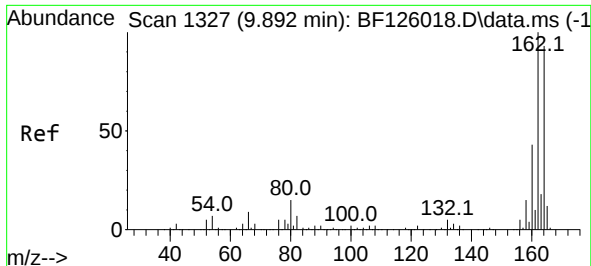
Tgt Ion: 82 Resp: 1011352
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 9.198 ng
RT: 7.904 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13

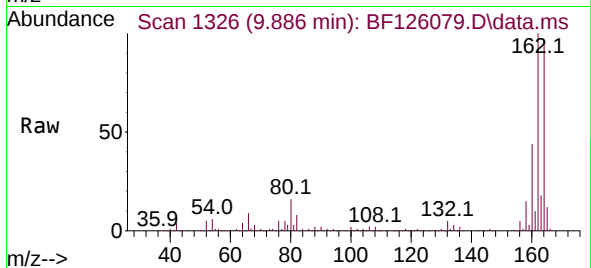
Tgt Ion: 122 Resp: 341
Ion Ratio Lower Upper
122 100
105 102.8 97.6 137.6
77 0.0 59.6 99.6#



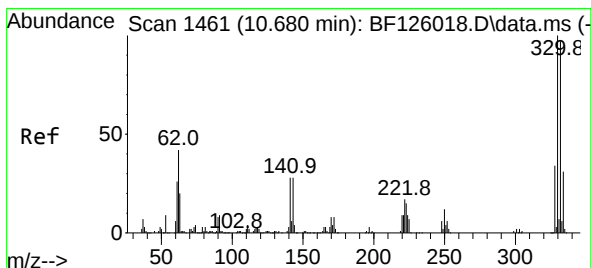
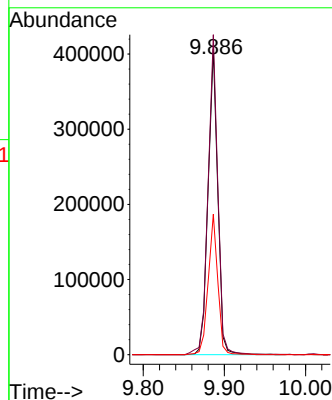
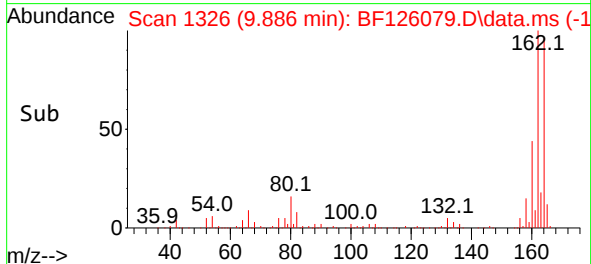


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13

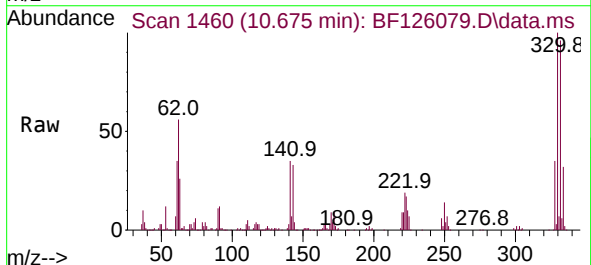
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BNA_F
ClientSampleId :
TP-5



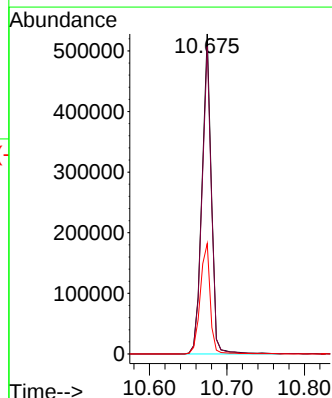
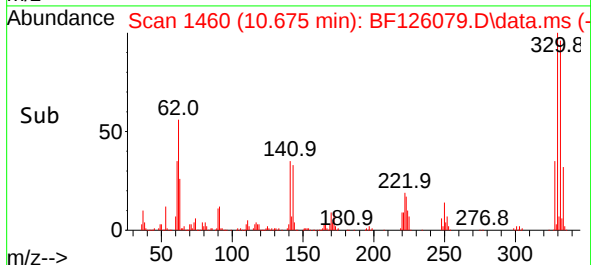
Tgt Ion:164 Resp: 336324
Ion Ratio Lower Upper
164 100
162 104.7 81.3 121.9
160 45.9 38.0 57.0

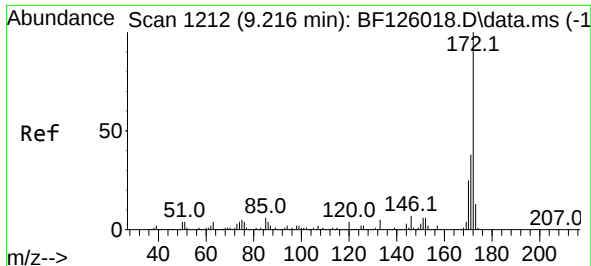


#42
2,4,6-Tribromophenol
Concen: 114.501 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13



Tgt Ion:330 Resp: 441318
Ion Ratio Lower Upper
330 100
332 96.5 76.2 114.4
141 36.8 44.6 66.8#

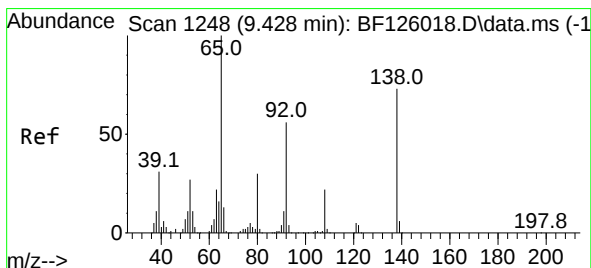
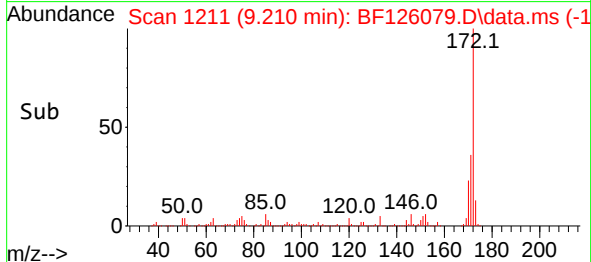
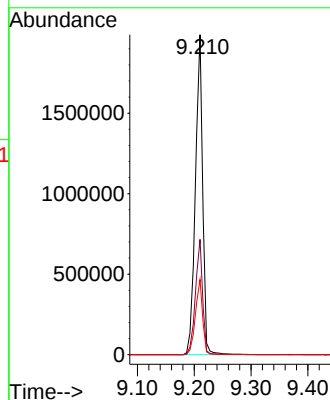
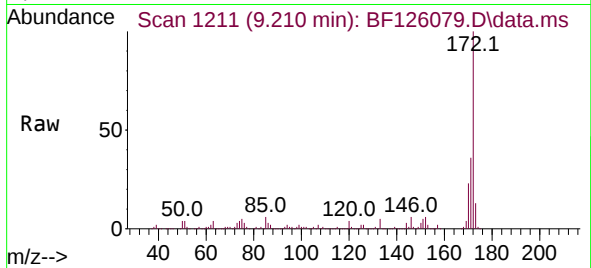




#45
2-Fluorobiphenyl
Concen: 71.878 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13

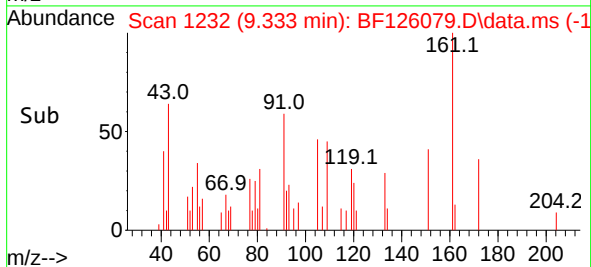
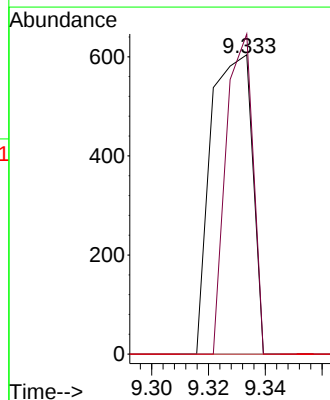
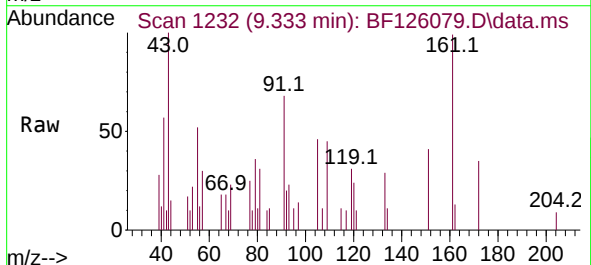
Instrument :
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ClientSampleId :
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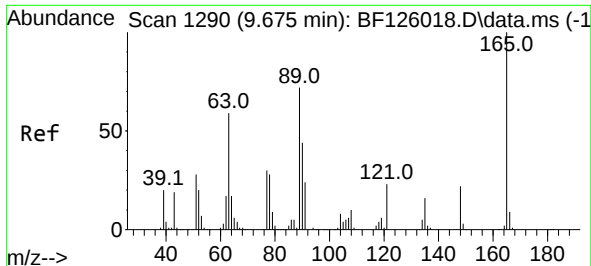
Tgt Ion:172 Resp: 1788879
Ion Ratio Lower Upper
172 100
171 36.1 26.5 39.7
170 23.5 18.8 28.2



#48
2-Nitroaniline
Concen: 2.935 ng
RT: 9.333 min Scan# 1232
Delta R.T. -0.095 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13

Tgt Ion: 65 Resp: 608
Ion Ratio Lower Upper
65 100
92 107.0 55.5 83.3#
138 0.0 93.5 140.3#

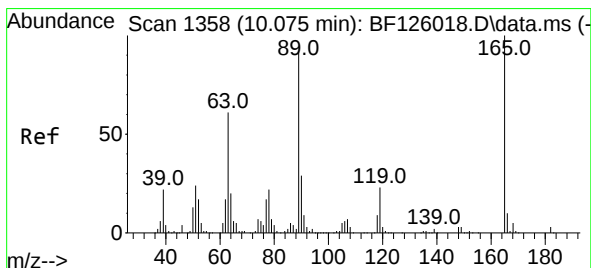
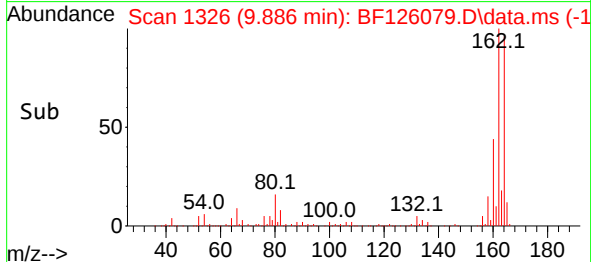
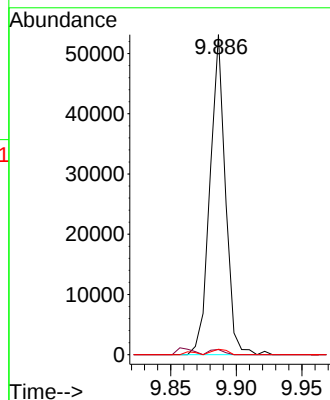
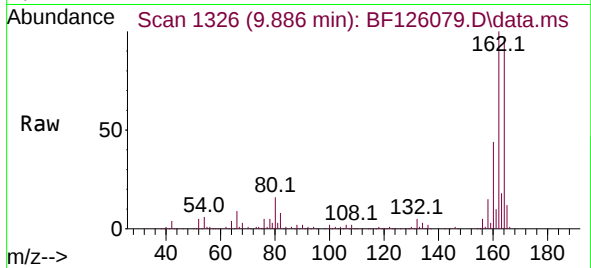




#51
2,6-Dinitrotoluene
Concen: 10.386 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13

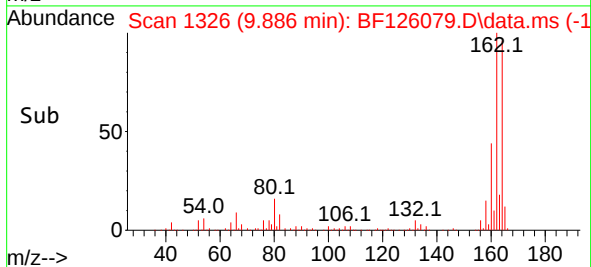
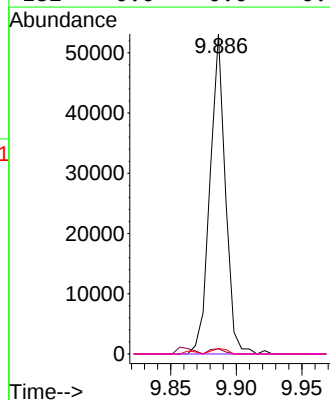
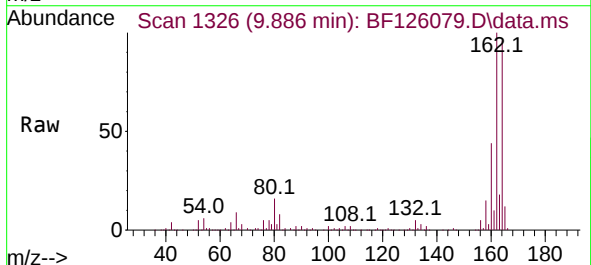
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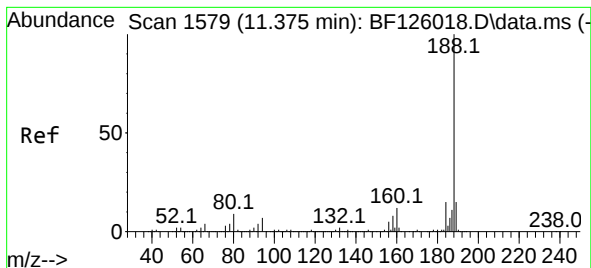
Tgt Ion:165 Resp: 43592
Ion Ratio Lower Upper
165 100
63 1.6 42.6 63.8#
89 1.7 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 9.900 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.189 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13

Tgt Ion:165 Resp: 43592
Ion Ratio Lower Upper
165 100
63 1.6 40.9 61.3#
89 1.7 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: BF126079.D

Acq: 9 Nov 2021 13:13

Instrument :

BNA_F

ClientSampleId :

TP-5

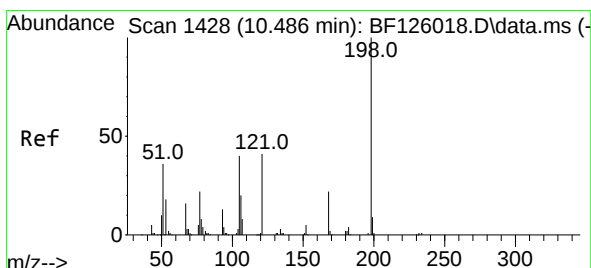
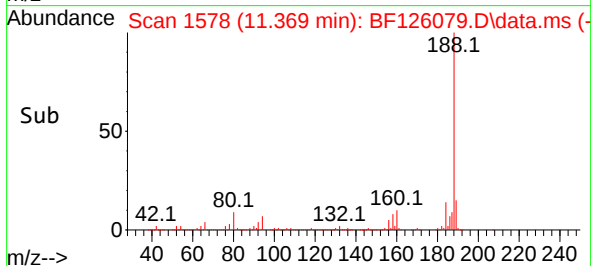
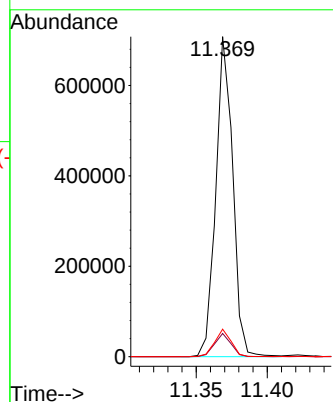
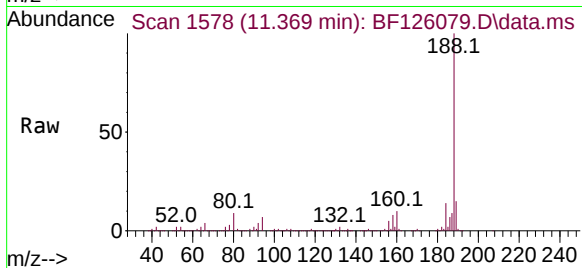
Tgt Ion:188 Resp: 586771

Ion Ratio Lower Upper

188 100

94 7.3 6.7 10.1

80 8.6 7.5 11.3



#65

4,6-Dinitro-2-methylphenol

Concen: 8.635 ng

RT: 10.675 min Scan# 1460

Delta R.T. 0.189 min

Lab File: BF126079.D

Acq: 9 Nov 2021 13:13

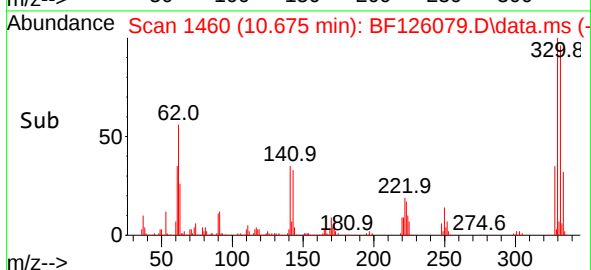
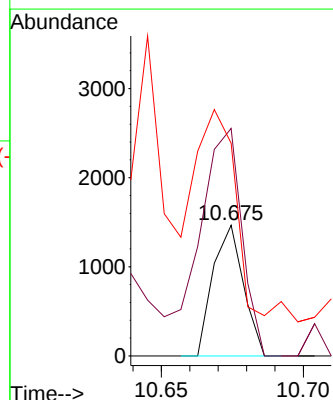
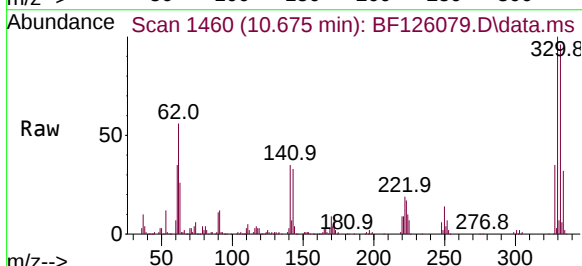
Tgt Ion:198 Resp: 1089

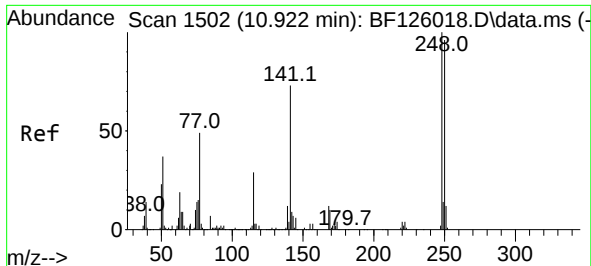
Ion Ratio Lower Upper

198 100

51 174.1 45.3 85.3#

105 162.9 30.6 70.6#





#67

4-Bromophenyl-phenylether

Concen: 4.136 ng

RT: 10.675 min Scan# 14

Delta R.T. -0.247 min

Lab File: BF126079.D

Acq: 9 Nov 2021 13:13

Instrument :

BNA_F

ClientSampleId :

TP-5

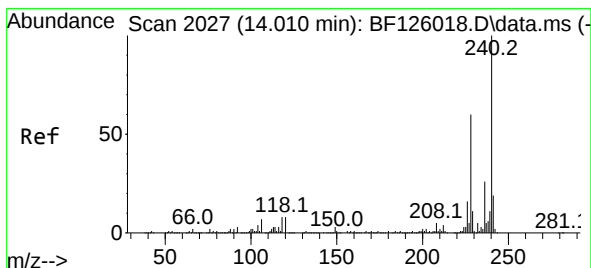
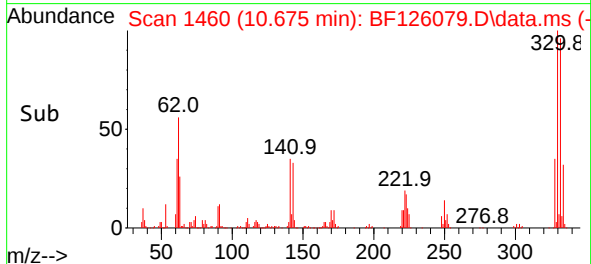
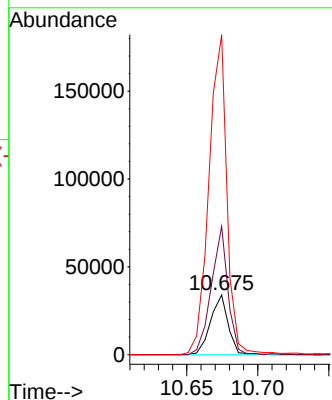
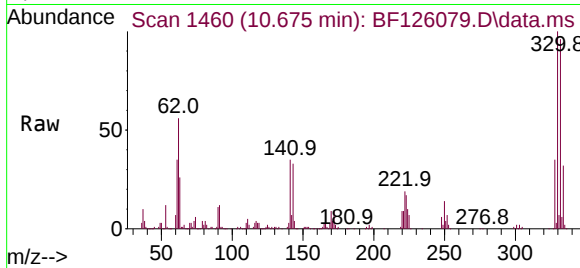
Tgt Ion:248 Resp: 29398

Ion Ratio Lower Upper

248 100

250 215.4 74.2 111.4#

141 536.9 60.4 90.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.000 min

Lab File: BF126079.D

Acq: 9 Nov 2021 13:13

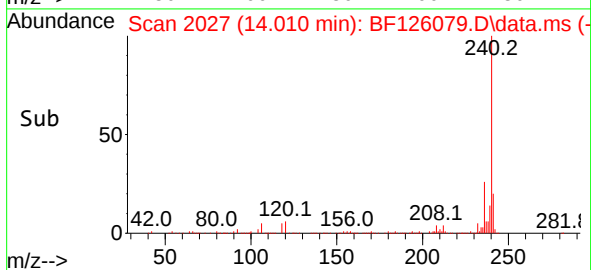
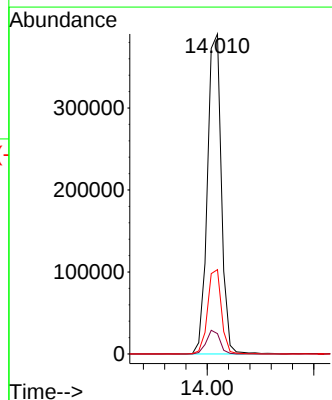
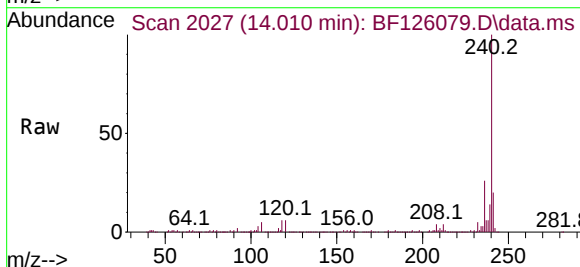
Tgt Ion:240 Resp: 356016

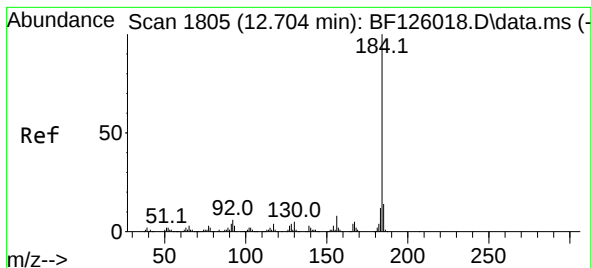
Ion Ratio Lower Upper

240 100

120 6.4 10.8 16.2#

236 26.4 21.6 32.4





#77

Benzidine

Concen: 2.013 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.253 min

Lab File: BF126079.D

Acq: 9 Nov 2021 13:13

Instrument :

BNA_F

ClientSampleId :

TP-5

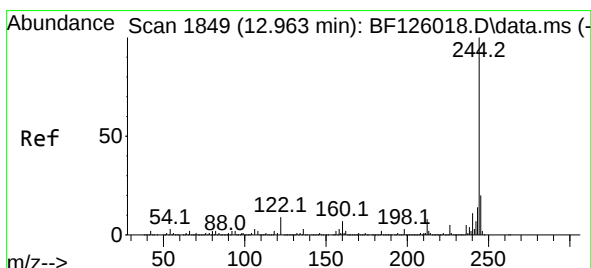
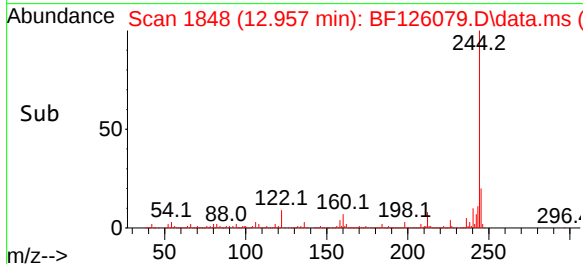
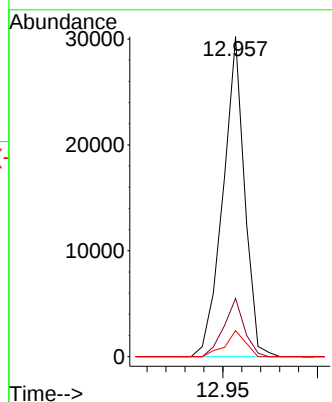
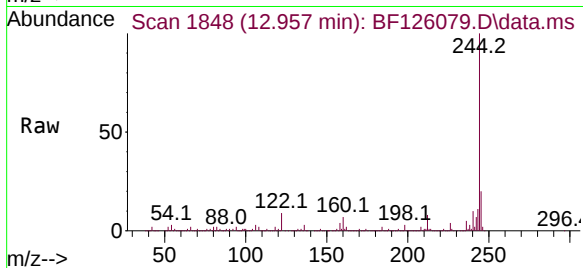
Tgt Ion:184 Resp: 23956

Ion Ratio Lower Upper

184 100

185 18.2 10.8 16.2#

183 8.1 8.1 12.1



#79

Terphenyl-d14

Concen: 69.166 ng

RT: 12.957 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF126079.D

Acq: 9 Nov 2021 13:13

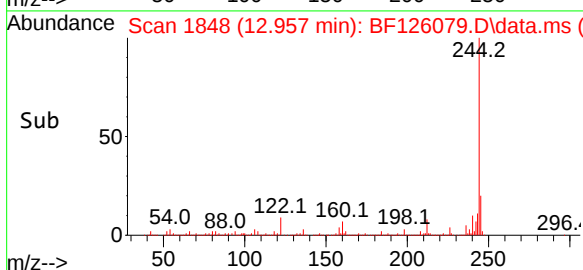
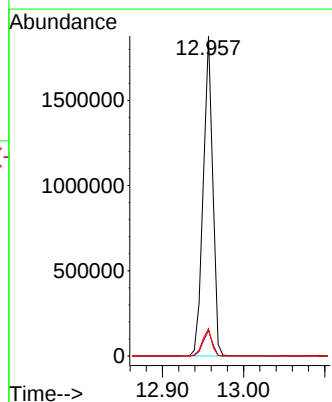
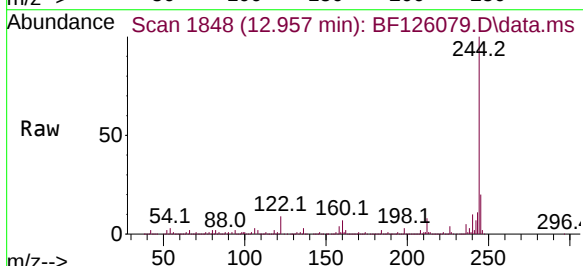
Tgt Ion:244 Resp: 1527039

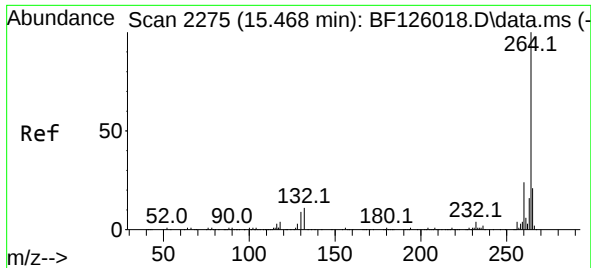
Ion Ratio Lower Upper

244 100

212 7.9 5.9 8.9

122 8.6 9.0 13.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126079.D
Acq: 9 Nov 2021 13:13

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:264 Resp: 367163

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	21.9	17.2	25.8

