

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
 Data File : BF126175.D
 Acq On : 13 Nov 2021 18:49
 Operator : JU/CG
 Sample : M4659-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HB-1-(7.5-8)-11-11-21

Quant Time: Nov 15 10:00:23 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 08:09:33 2021
 Response via : Initial Calibration

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

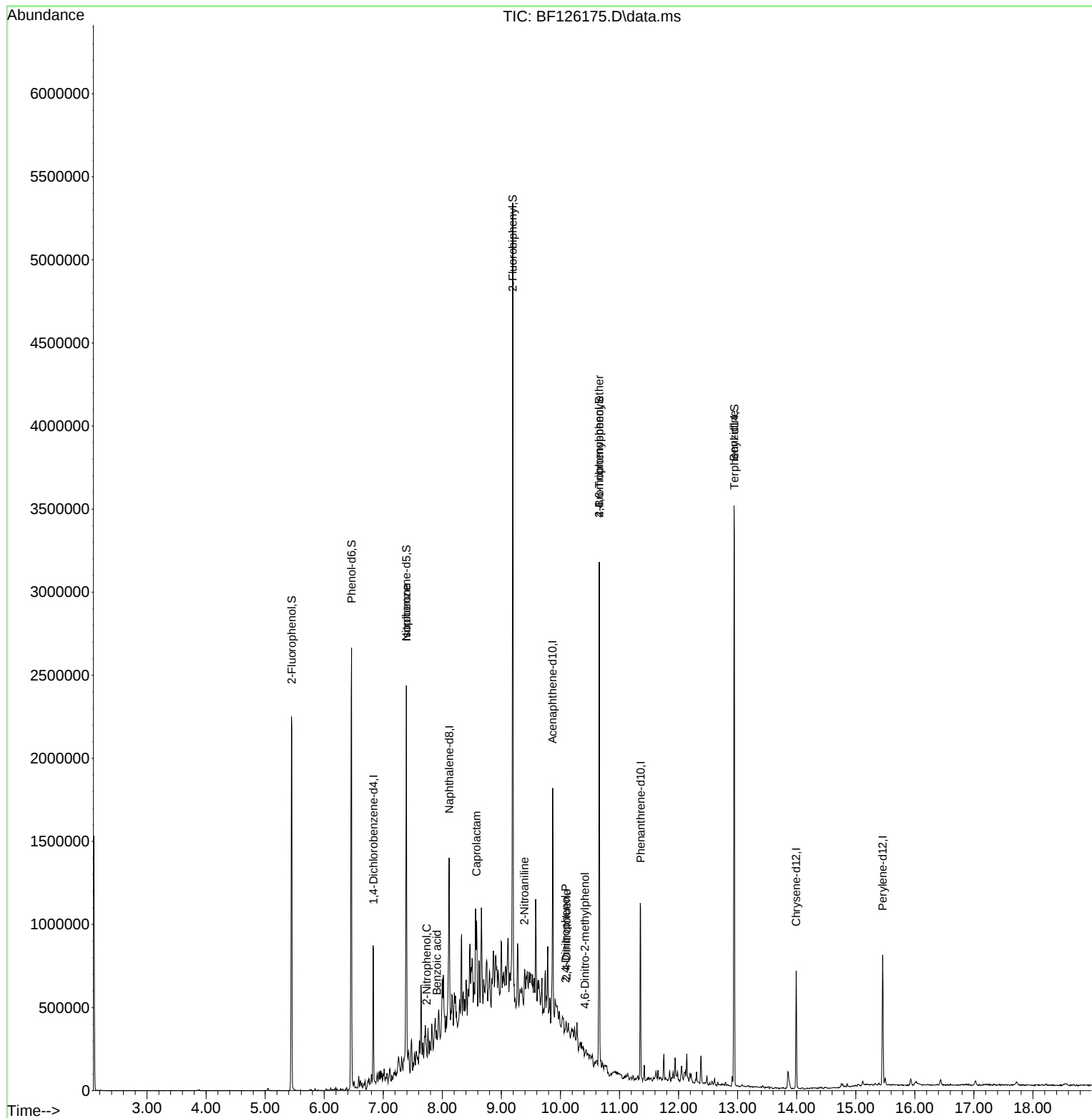
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	109872	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	371272	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	227509	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	388937	20.000	ng	# 0.00
76) Chrysene-d12	13.992	240	228914	20.000	ng	#-0.01
86) Perylene-d12	15.456	264	340551	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	551438	86.189	ng	0.00
7) Phenol-d6	6.463	99	783781	86.902	ng	0.00
23) Nitrobenzene-d5	7.392	82	657690	83.542	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	291336	111.740	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1244021	73.893	ng	0.00
79) Terphenyl-d14	12.945	244	1189315	83.779	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.381	77	116	Below Cal	#	1
25) Isophorone	7.392	82	646494	45.611	ng	# 60
26) 2-Nitrophenol	7.733	139	2106	5.318	ng	# 1
32) Benzoic acid	7.910	122	4575	10.297	ng	# 1
35) Caprolactam	8.580	113	4377	2.695	ng	# 1
48) 2-Nitroaniline	9.392	65	2275	3.322	ng	# 47
54) 2,4-Dinitrophenol	10.086	184	148	6.855	ng	# 53
57) 2,4-Dinitrotoluene	10.104	165	2263	3.682	ng	# 48
65) 4,6-Dinitro-2-methylph...	10.416	198	115	8.368	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	18585	3.945	ng	# 1
77) Benzidine	12.939	184	19572	2.558	ng	# 95

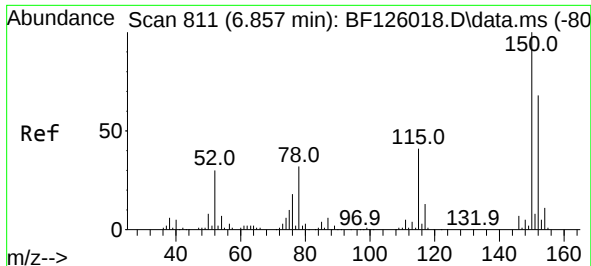
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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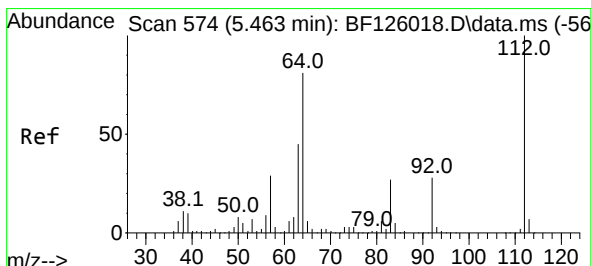
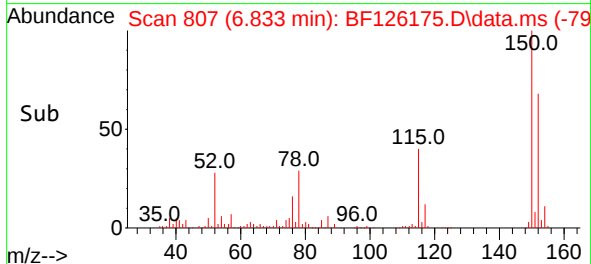
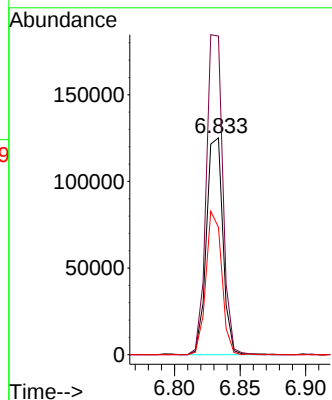
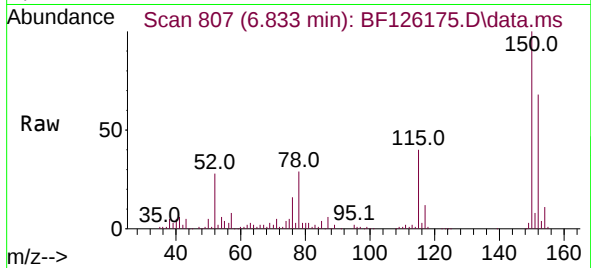




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 80
Delta R.T. -0.001 min
Lab File: BF126175.D
Acq: 13 Nov 2021 18:49

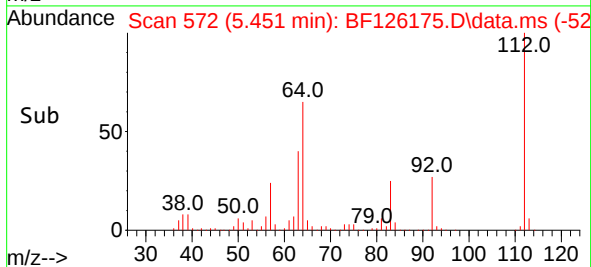
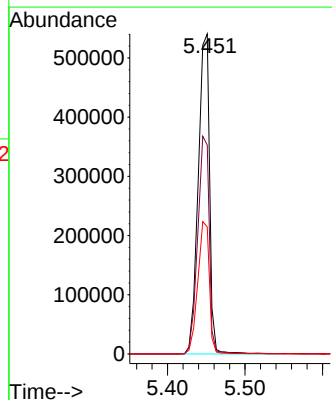
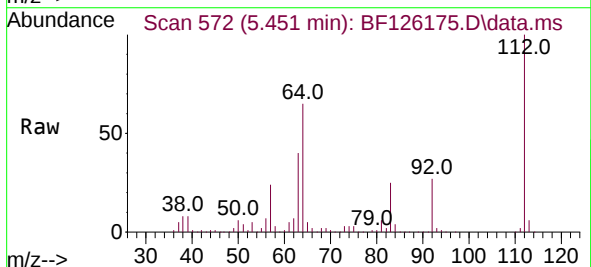
Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

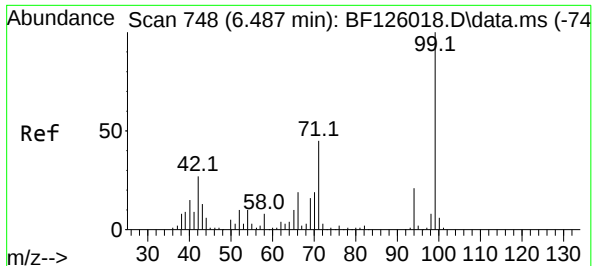
Tgt Ion:152 Resp: 109872
Ion Ratio Lower Upper
152 100
150 146.9 117.6 176.4
115 58.8 47.1 70.7



#5
2-Fluorophenol
Concen: 86.189 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF126175.D
Acq: 13 Nov 2021 18:49

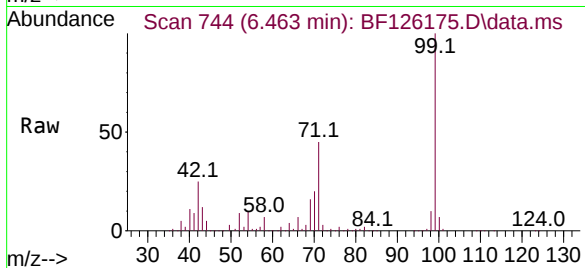
Tgt Ion:112 Resp: 551438
Ion Ratio Lower Upper
112 100
64 65.3 44.2 66.2
63 39.7 26.2 39.2#



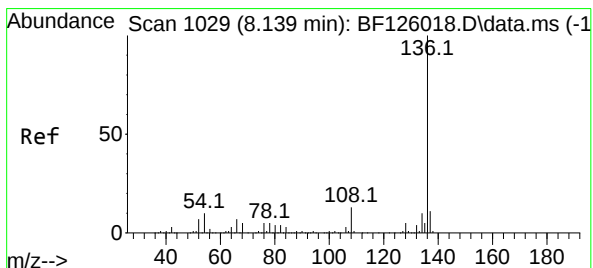
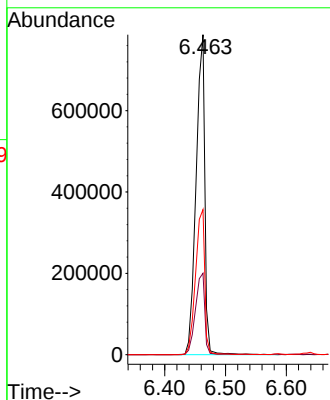
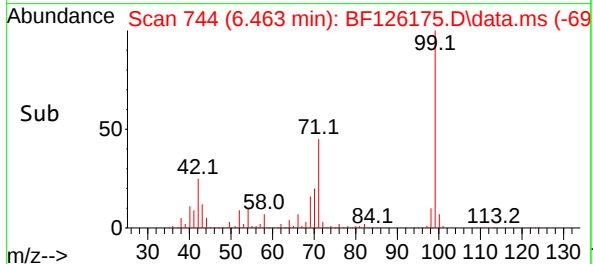


#7
Phenol-d6
Concen: 86.902 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF126175.D
Acq: 13 Nov 2021 18:49

Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

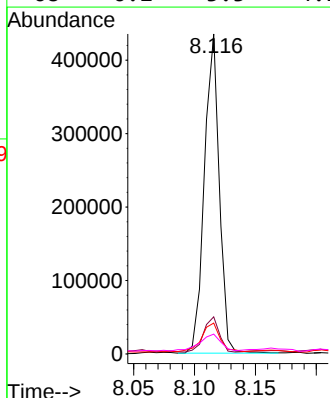
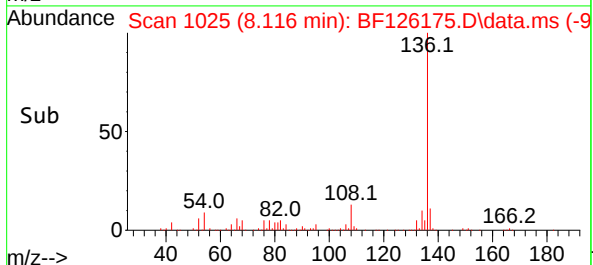
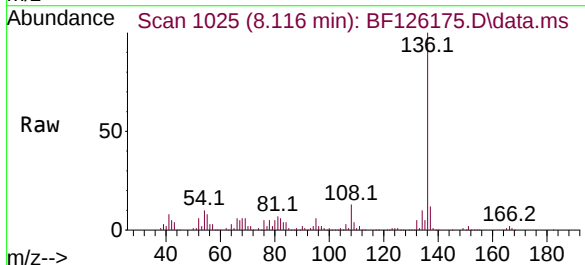


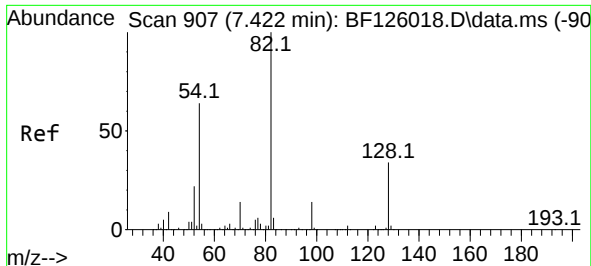
Tgt Ion: 99 Resp: 783781
Ion Ratio Lower Upper
99 100
42 25.4 23.5 35.3
71 45.4 25.6 38.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF126175.D
Acq: 13 Nov 2021 18:49

Tgt Ion:136 Resp: 371272
Ion Ratio Lower Upper
136 100
137 11.6 9.8 14.6
54 9.7 6.4 9.6#
68 6.2 3.3 4.9#

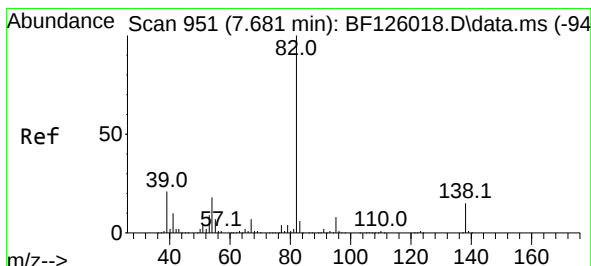
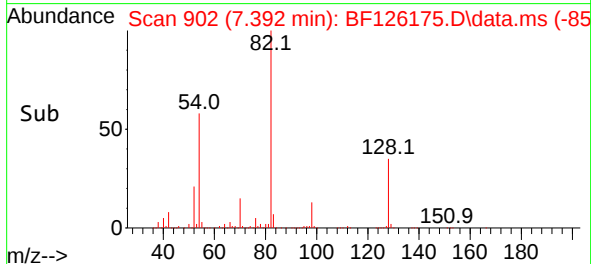
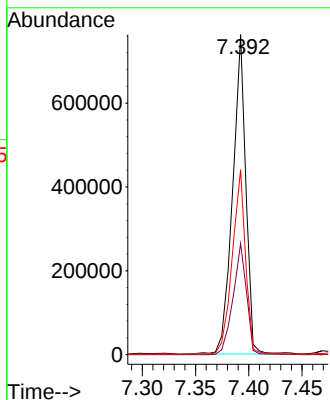
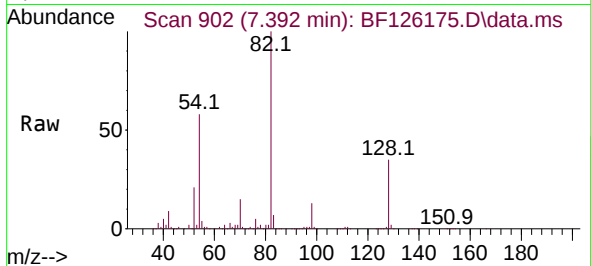




#23
Nitrobenzene-d5
Concen: 83.542 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF126175.D
Acq: 13 Nov 2021 18:49

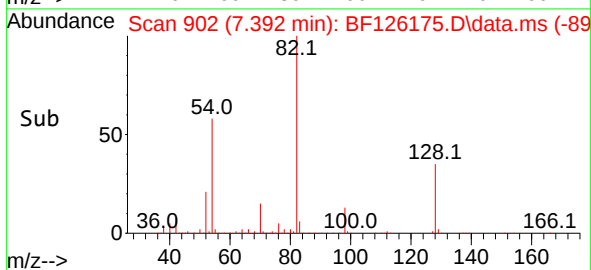
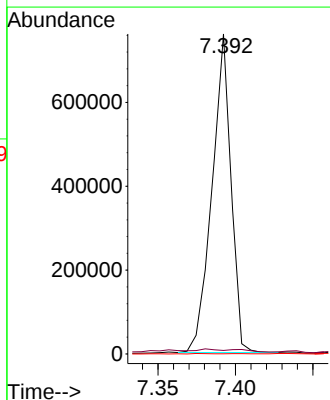
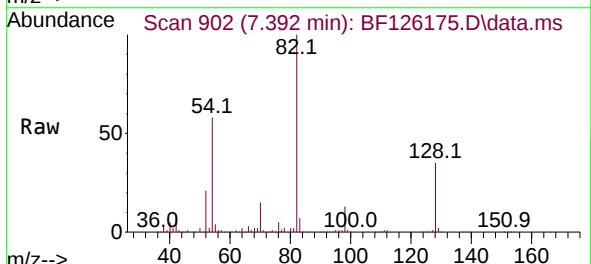
Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

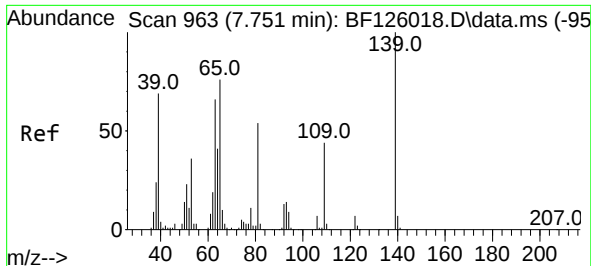
Tgt Ion: 82 Resp: 657690
Ion Ratio Lower Upper
82 100
128 34.7 40.6 60.8#
54 57.8 49.6 74.4



#25
Isophorone
Concen: 45.611 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.265 min
Lab File: BF126175.D
Acq: 13 Nov 2021 18:49

Tgt Ion: 82 Resp: 646494
Ion Ratio Lower Upper
82 100
95 1.1 6.5 9.7#
138 0.1 18.4 27.6#

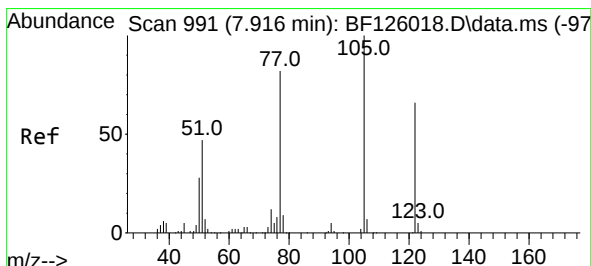
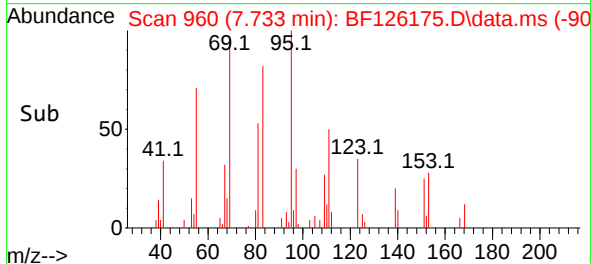
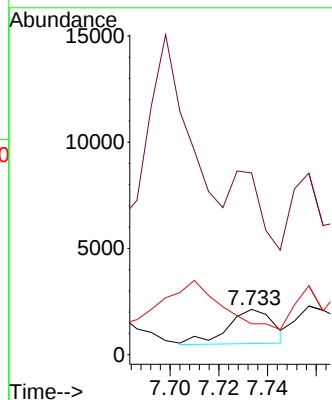
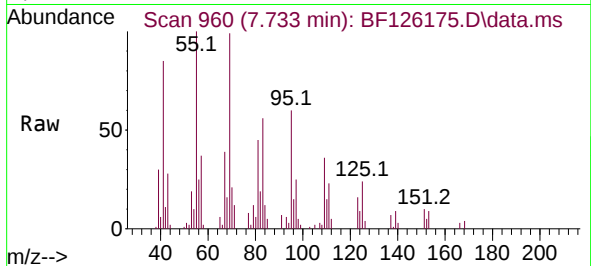




#26
2-Nitrophenol
Concen: 5.318 ng
RT: 7.733 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF126175.D
Acq: 13 Nov 2021 18:49

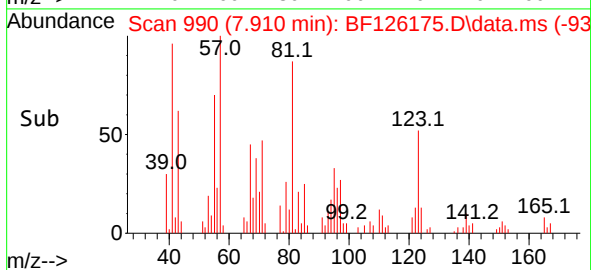
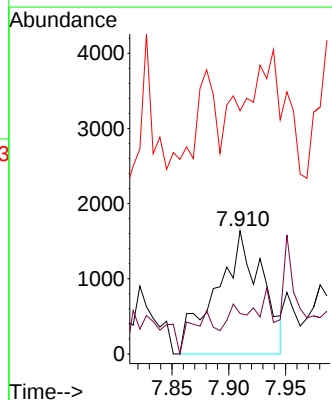
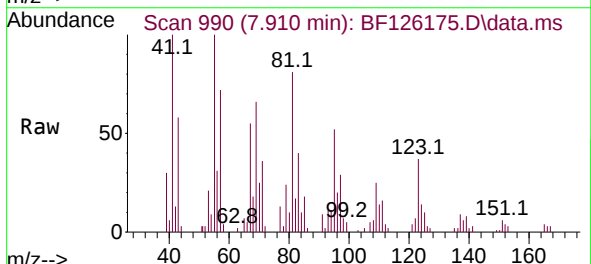
Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

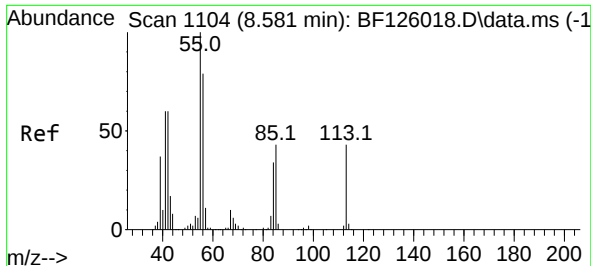
Tgt Ion:139 Resp: 2106
Ion Ratio Lower Upper
139 100
109 401.9 26.0 39.0#
65 68.3 31.0 46.4#



#32
Benzoic acid
Concen: 10.297 ng
RT: 7.910 min Scan# 990
Delta R.T. 0.012 min
Lab File: BF126175.D
Acq: 13 Nov 2021 18:49

Tgt Ion:122 Resp: 4575
Ion Ratio Lower Upper
122 100
105 32.9 97.6 137.6#
77 197.8 59.6 99.6#

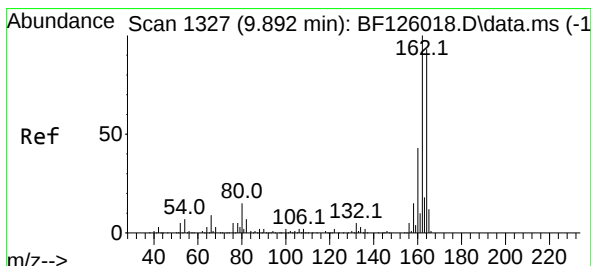
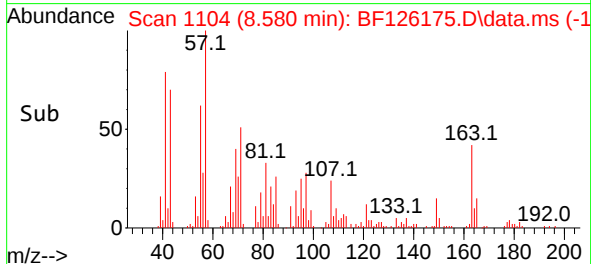
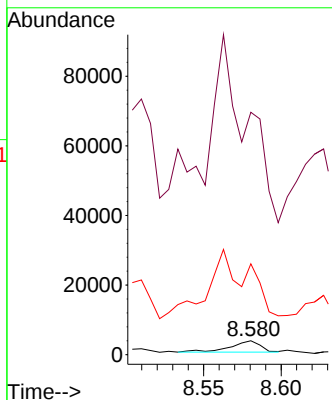
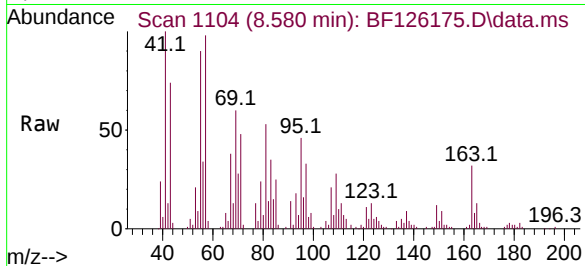




#35
Caprolactam
Concen: 2.695 ng
RT: 8.580 min Scan# 1104
Delta R.T. 0.017 min
Lab File: BF126175.D
Acq: 13 Nov 2021 18:49

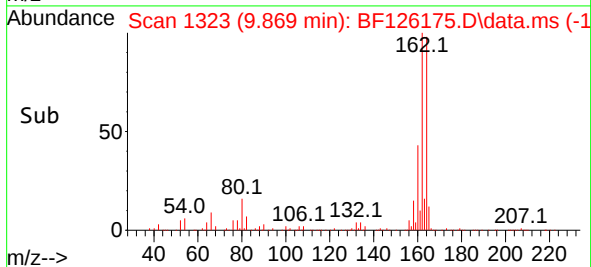
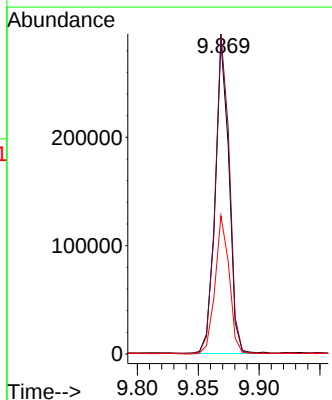
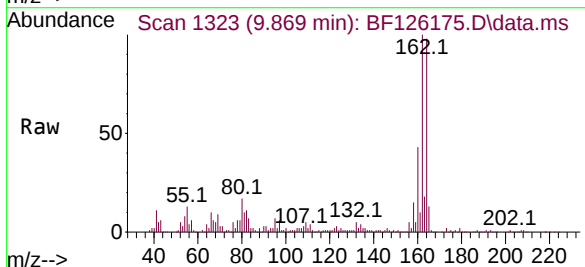
Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

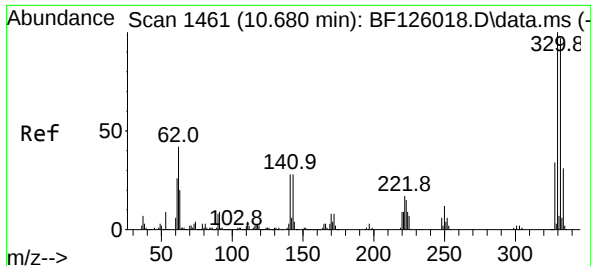
Tgt Ion:113 Resp: 4377
Ion Ratio Lower Upper
113 100
55 1748.2 154.1 194.1#
56 655.2 108.7 148.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF126175.D
Acq: 13 Nov 2021 18:49

Tgt Ion:164 Resp: 227509
Ion Ratio Lower Upper
164 100
162 102.1 81.3 121.9
160 44.1 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 111.740 ng

RT: 10.657 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF126175.D

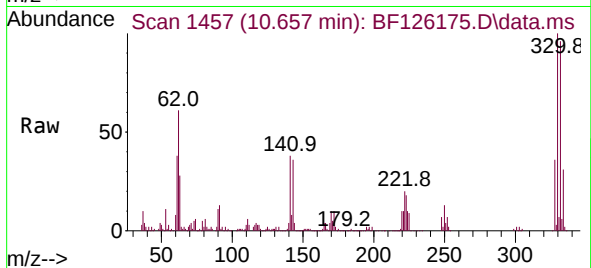
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Instrument :

BNA_F

ClientSampleId :

HB-1-(7.5-8)-11-11-21



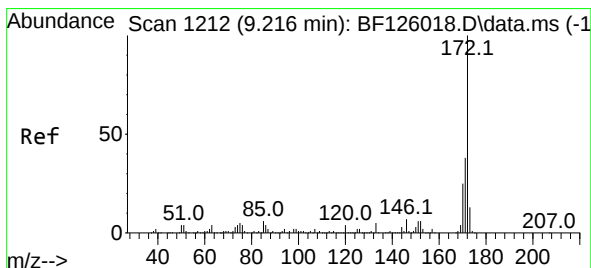
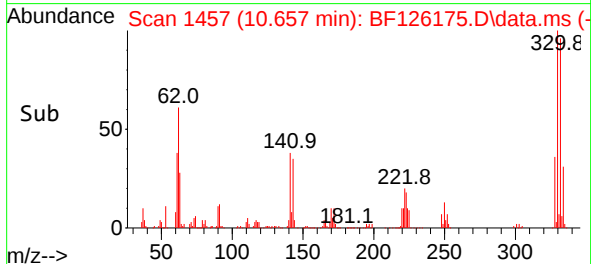
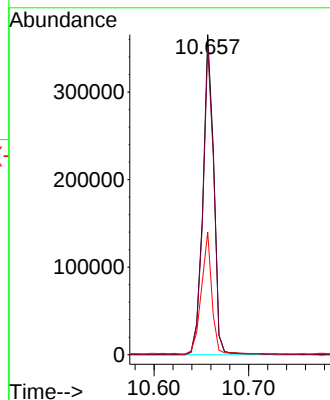
Tgt Ion:330 Resp: 291336

Ion Ratio Lower Upper

330 100

332 96.4 76.2 114.4

141 36.8 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 73.893 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF126175.D

Acq: 13 Nov 2021 18:49

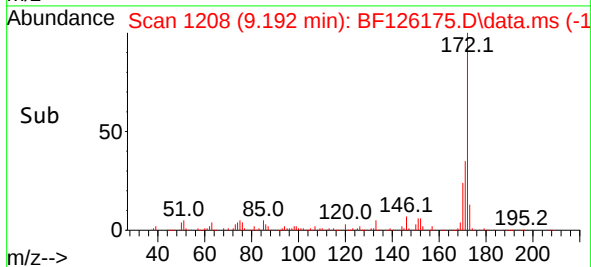
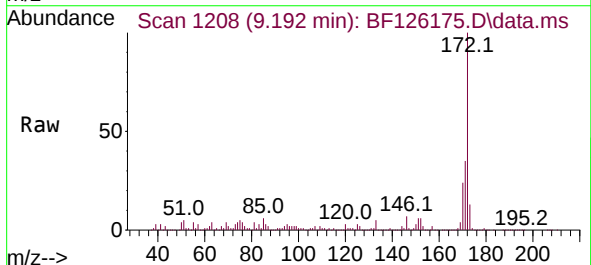
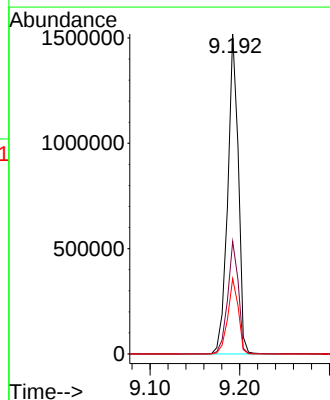
Tgt Ion:172 Resp: 1244021

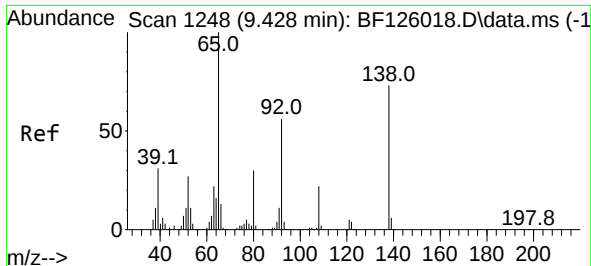
Ion Ratio Lower Upper

172 100

171 35.2 26.5 39.7

170 23.6 18.8 28.2





#48

2-Nitroaniline

Concen: 3.322 ng

RT: 9.392 min Scan# 11

Delta R.T. -0.024 min

Lab File: BF126175.D

Acq: 13 Nov 2021 18:49

Instrument :

BNA_F

ClientSampleId :

HB-1-(7.5-8)-11-11-21

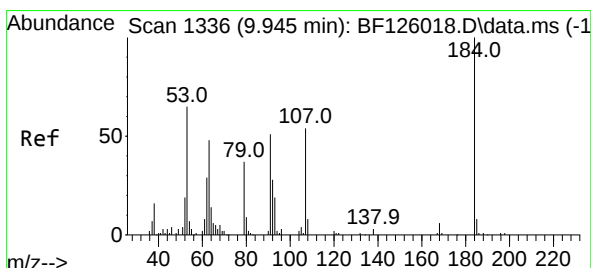
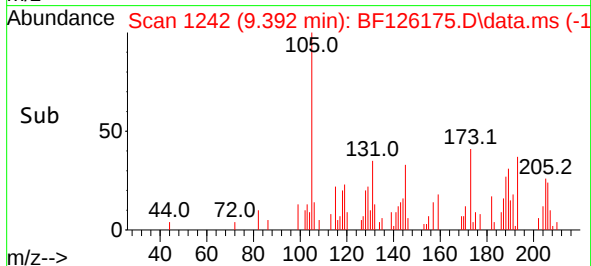
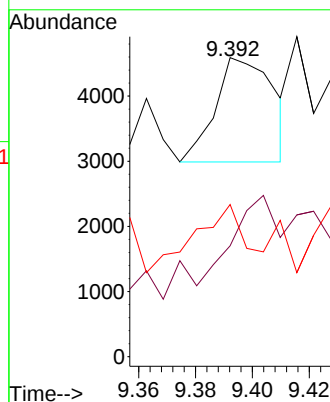
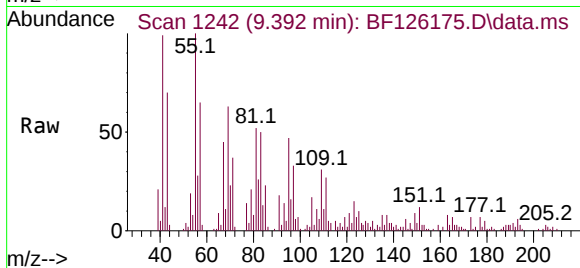
Tgt Ion: 65 Resp: 2275

Ion Ratio Lower Upper

65 100

92 37.1 55.5 83.3#

138 50.9 93.5 140.3#



#54

2,4-Dinitrophenol

Concen: 6.855 ng

RT: 10.086 min Scan# 1360

Delta R.T. 0.153 min

Lab File: BF126175.D

Acq: 13 Nov 2021 18:49

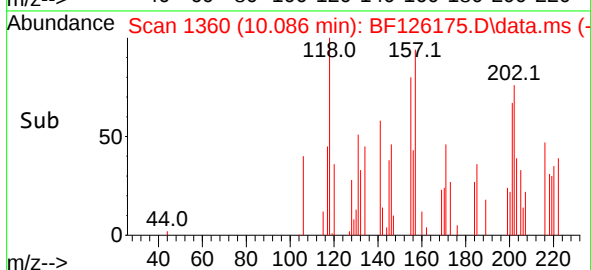
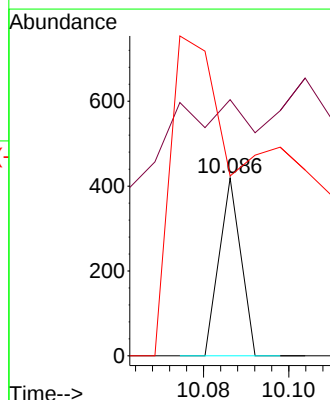
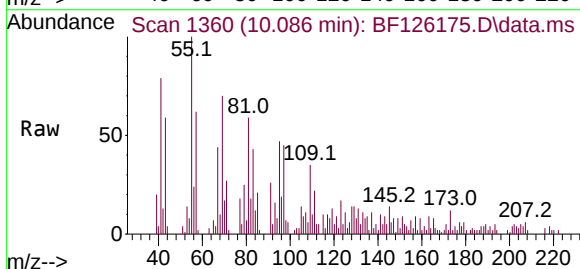
Tgt Ion: 184 Resp: 148

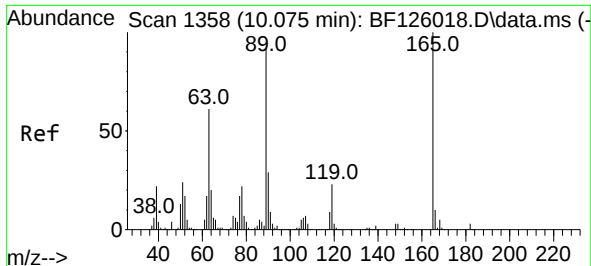
Ion Ratio Lower Upper

184 100

63 144.2 59.3 88.9#

154 101.2 68.6 102.8

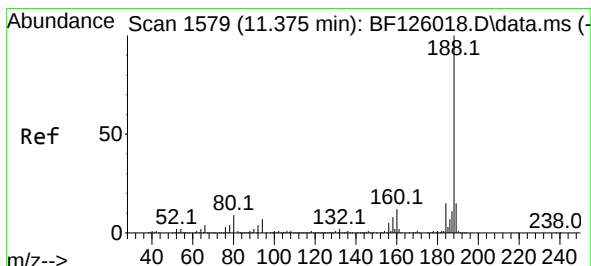
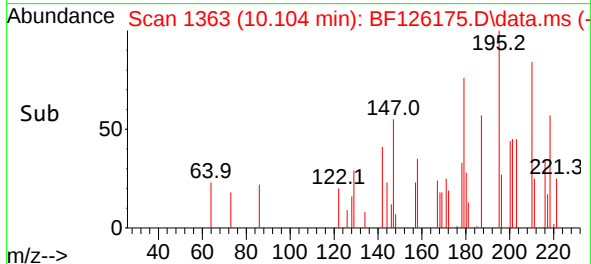
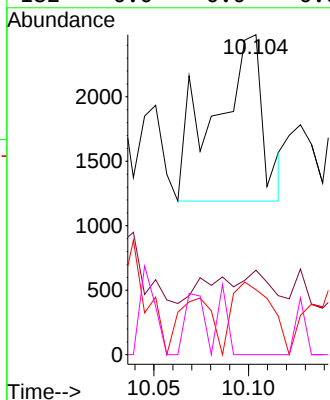
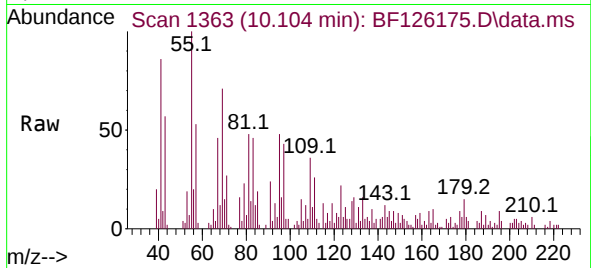




#57
2,4-Dinitrotoluene
Concen: 3.682 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF126175.D
Acq: 13 Nov 2021 18:49

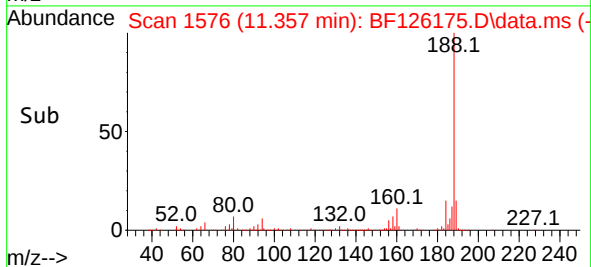
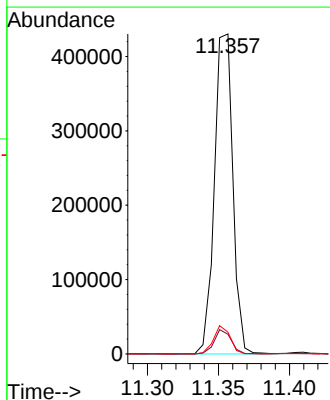
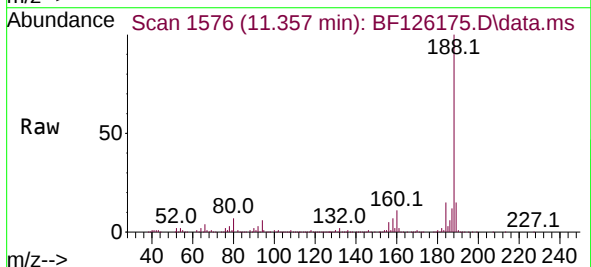
Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

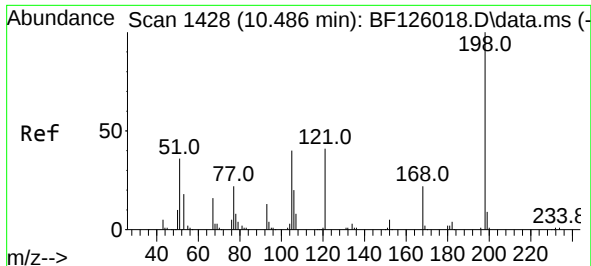
Tgt Ion:165 Resp: 2263
Ion Ratio Lower Upper
165 100
63 26.4 40.9 61.3#
89 20.3 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BF126175.D
Acq: 13 Nov 2021 18:49

Tgt Ion:188 Resp: 388937
Ion Ratio Lower Upper
188 100
94 6.2 6.7 10.1#
80 6.8 7.5 11.3#

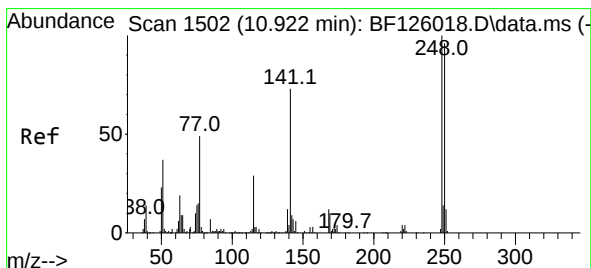
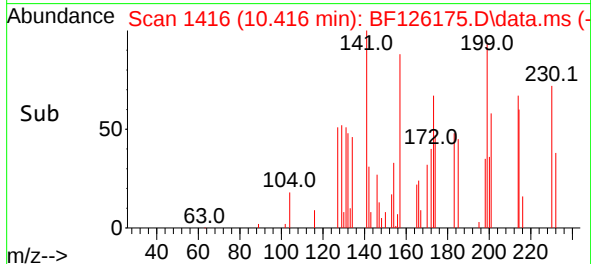
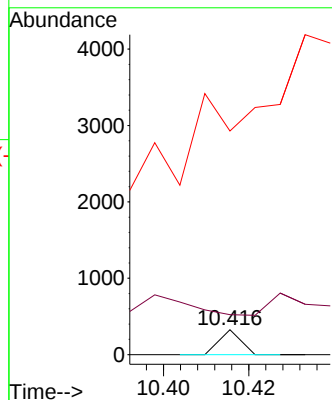
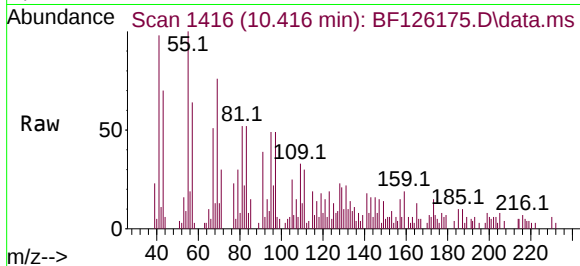




#65
4,6-Dinitro-2-methylphenol
Concen: 8.368 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.053 min
Lab File: BF126175.D
Acq: 13 Nov 2021 18:49

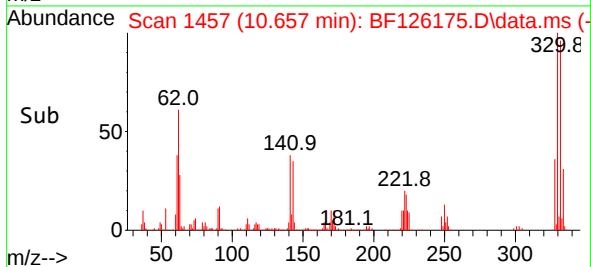
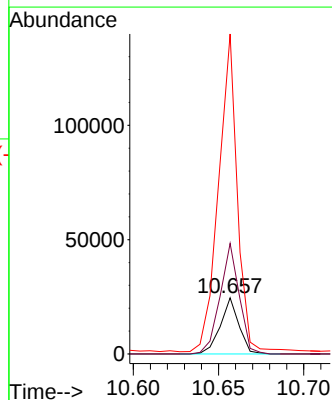
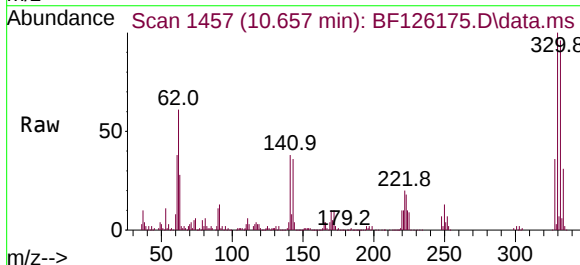
Instrument :
BNA_F
ClientSampleId :
HB-1-(7.5-8)-11-11-21

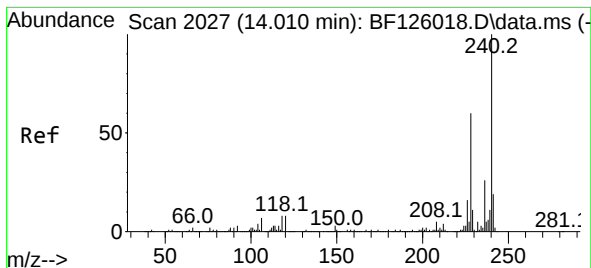
Tgt Ion:198 Resp: 115
Ion Ratio Lower Upper
198 100
51 159.9 45.3 85.3#
105 895.7 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 3.945 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF126175.D
Acq: 13 Nov 2021 18:49

Tgt Ion:248 Resp: 18585
Ion Ratio Lower Upper
248 100
250 196.8 74.2 111.4#
141 569.9 60.4 90.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF126175.D

Acq: 13 Nov 2021 18:49

Instrument :

BNA_F

ClientSampleId :

HB-1-(7.5-8)-11-11-21

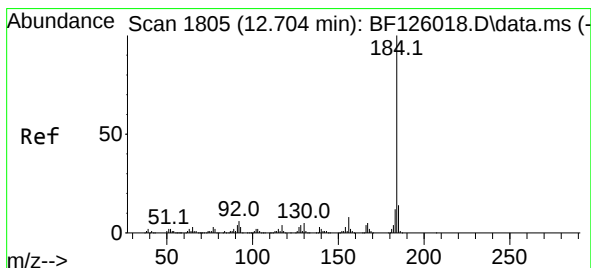
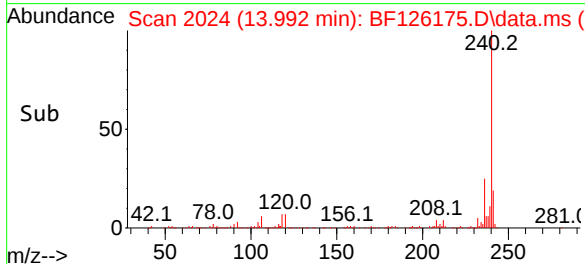
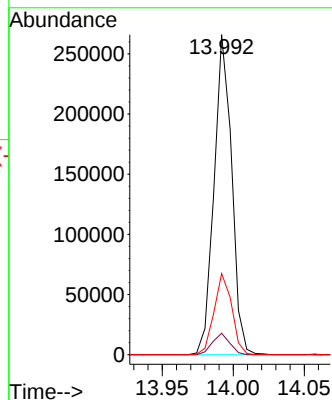
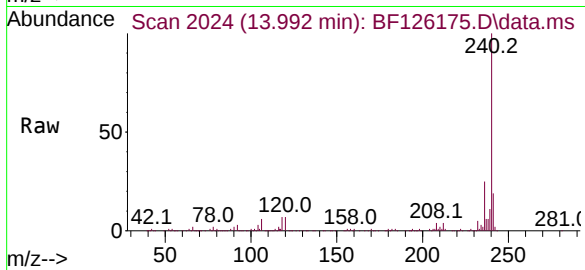
Tgt Ion:240 Resp: 228914

Ion Ratio Lower Upper

240 100

120 6.7 10.8 16.2#

236 25.4 21.6 32.4



#77

Benzdine

Concen: 2.558 ng

RT: 12.939 min Scan# 1845

Delta R.T. 0.247 min

Lab File: BF126175.D

Acq: 13 Nov 2021 18:49

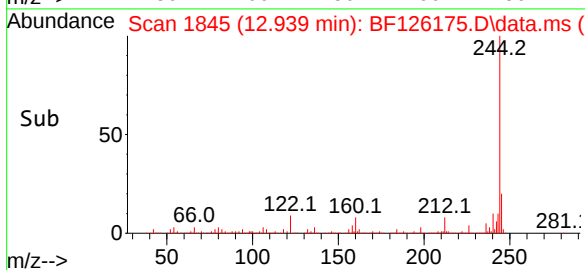
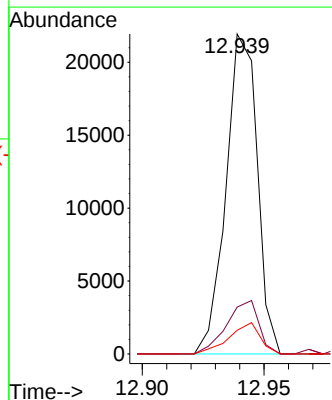
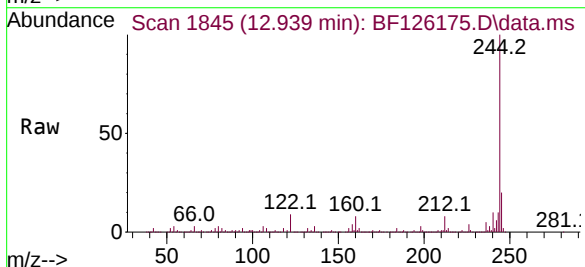
Tgt Ion:184 Resp: 19572

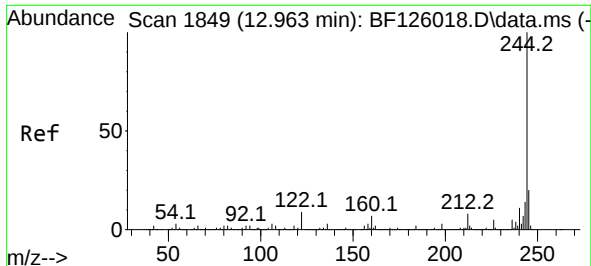
Ion Ratio Lower Upper

184 100

185 14.7 10.8 16.2

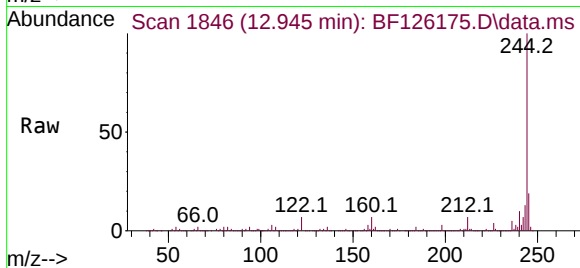
183 7.4 8.1 12.1#



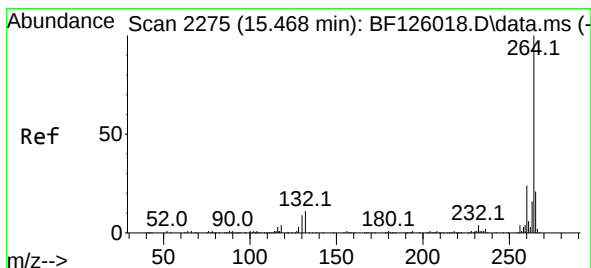
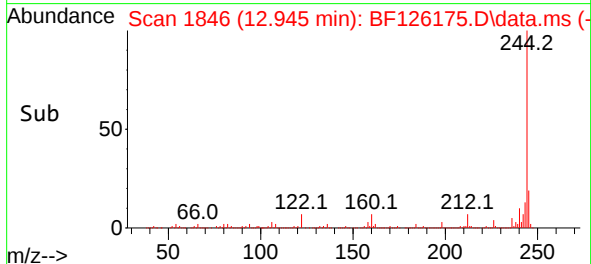
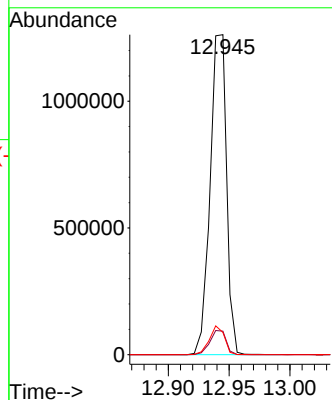


#79
 Terphenyl-d14
 Concen: 83.779 ng
 RT: 12.945 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF126175.D
 Acq: 13 Nov 2021 18:49

Instrument :
 BNA_F
 ClientSampleId :
 HB-1-(7.5-8)-11-11-21



Tgt Ion:244 Resp: 1189315
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 6.9 9.0 13.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.456 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF126175.D
 Acq: 13 Nov 2021 18:49

Tgt Ion:264 Resp: 340551
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.6 29.4
 265 20.8 17.2 25.8

