

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092421\
 Data File : BF125640.D
 Acq On : 25 Sep 2021 1:29
 Operator : JU/CG
 Sample : M3872-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 03:03:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 24 15:38:32 2021
 Response via : Initial Calibration

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

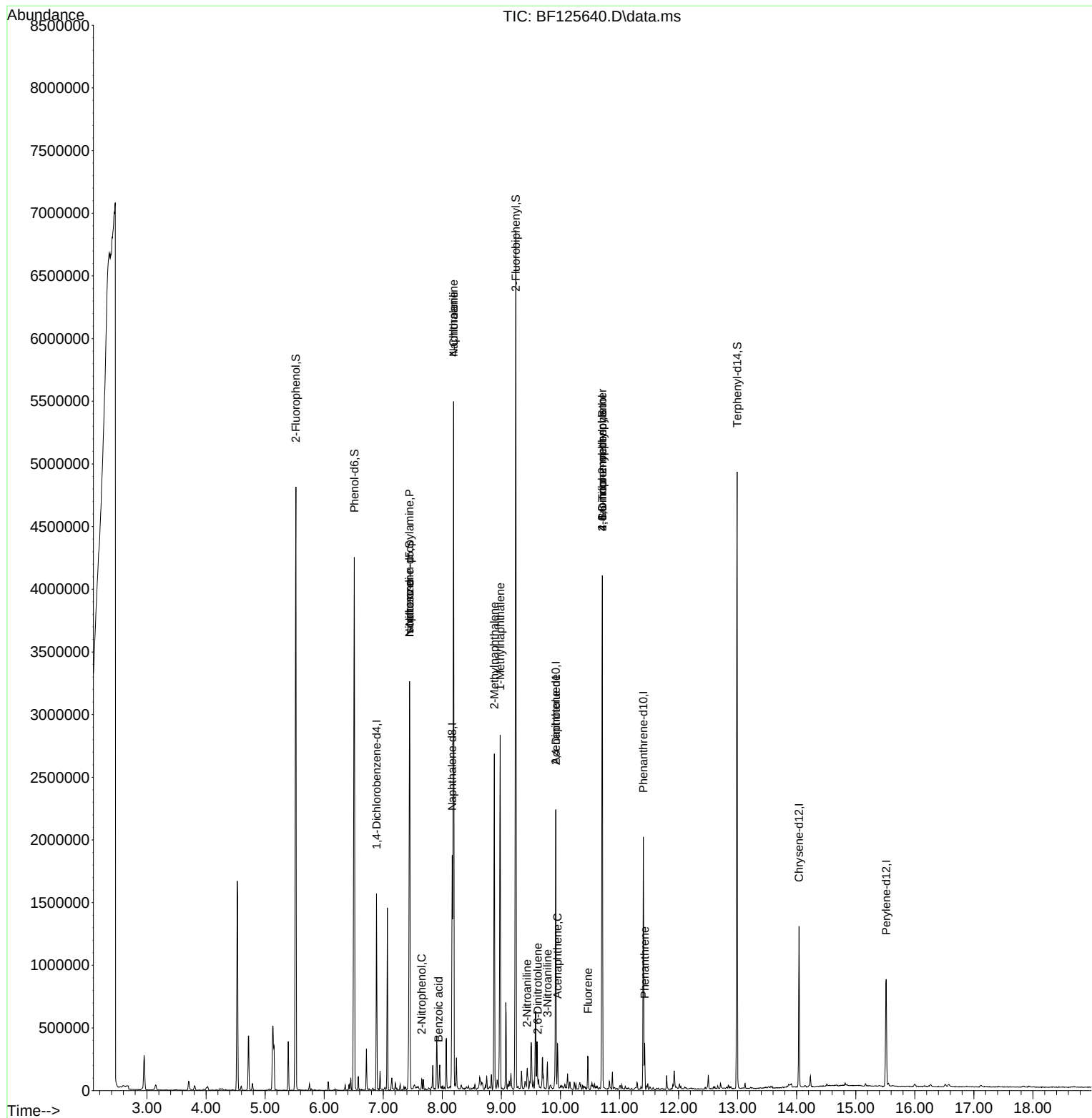
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	215037	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	871538	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	436102	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	682134	20.000	ng	0.00
76) Chrysene-d12	14.039	240	402323	20.000	ng	0.00
86) Perylene-d12	15.515	264	381961	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1573758	120.578	ng	0.02
7) Phenol-d6	6.510	99	1821180	103.788	ng	0.00
23) Nitrobenzene-d5	7.445	82	1222858	97.867	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	551598	135.658	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	2288587	96.030	ng	0.00
79) Terphenyl-d14	12.992	244	1630481	70.182	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.422	77	1962	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.445	70	155013	15.516	ng	# 53
25) Isophorone	7.445	82	1220578	43.618	ng	# 59
26) 2-Nitrophenol	7.651	139	226	5.764	ng	# 1
31) Naphthalene	8.192	128	2570949	57.452	ng	98
32) Benzoic acid	7.939	122	1379	8.752	ng	# 82
33) 4-Chloroaniline	8.192	127	358528	19.100	ng	# 38
37) 2-Methylnaphthalene	8.880	142	709808	23.387	ng	98
38) 1-Methylnaphthalene	8.980	142	754241	26.296	ng	99
48) 2-Nitroaniline	9.433	65	1190	4.330	ng	# 27
51) 2,6-Dinitrotoluene	9.616	165	2694	4.529	ng	# 75
52) Acenaphthene	9.951	154	66754	2.656	ng	93
53) 3-Nitroaniline	9.780	138	167	3.166	ng	# 9
57) 2,4-Dinitrotoluene	9.922	165	59380	11.961	ng	# 19
58) Fluorene	10.469	166	73106	2.491	ng	99
65) 4,6-Dinitro-2-methylph...	10.710	198	1160	9.297	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	30381	4.244	ng	# 1
71) Phenanthrene	11.427	178	117005	3.059	ng	99

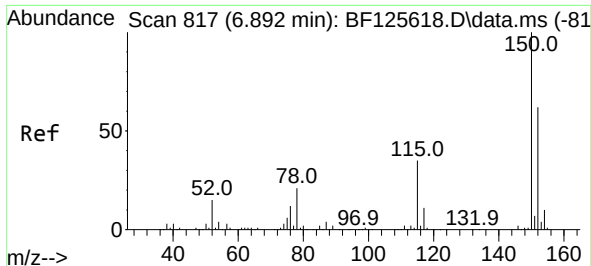
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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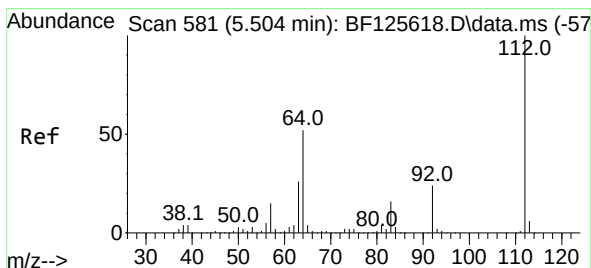
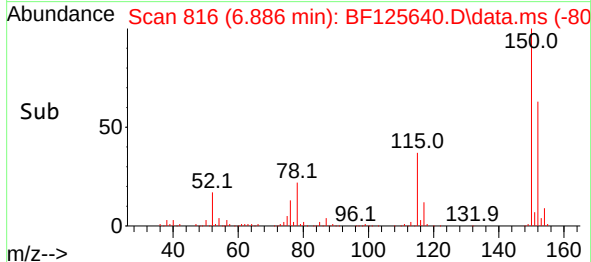
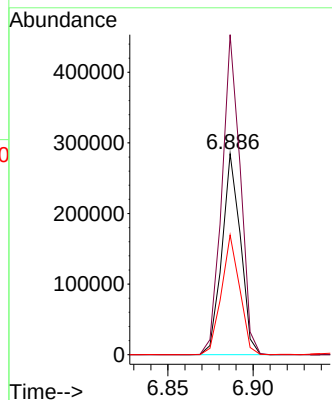
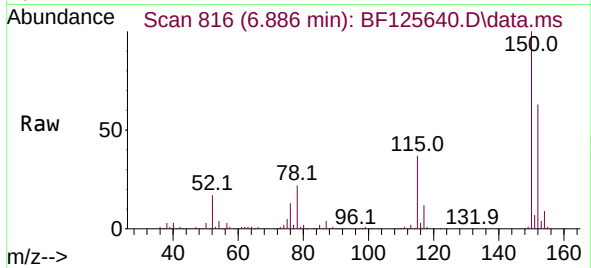




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

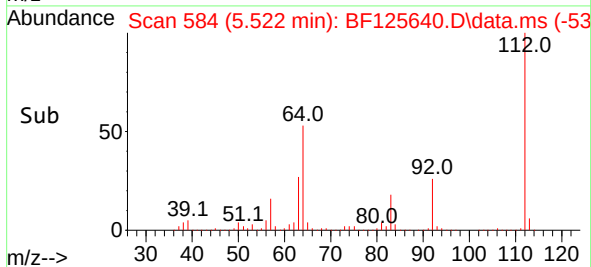
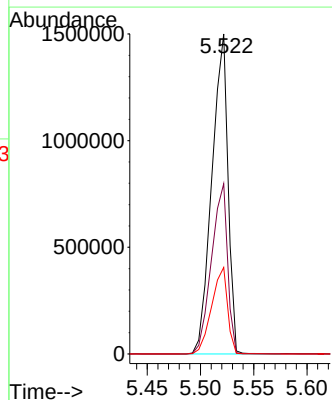
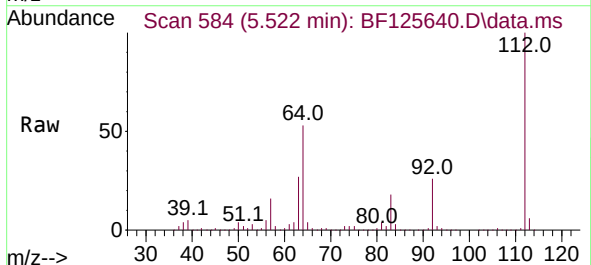
Instrument :
BNA_F
ClientSampleId :

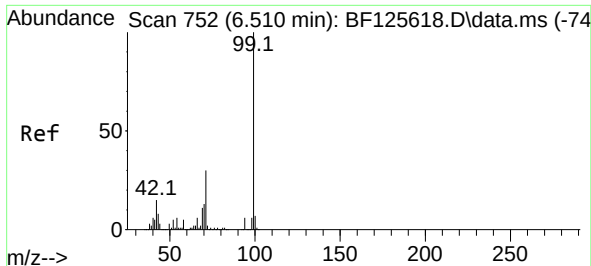
Tgt Ion:152 Resp: 215037
Ion Ratio Lower Upper
152 100
150 159.2 117.6 176.4
115 59.5 47.1 70.7



#5
2-Fluorophenol
Concen: 120.578 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.018 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

Tgt Ion:112 Resp: 1573758
Ion Ratio Lower Upper
112 100
64 53.2 44.2 66.2
63 27.0 26.2 39.2

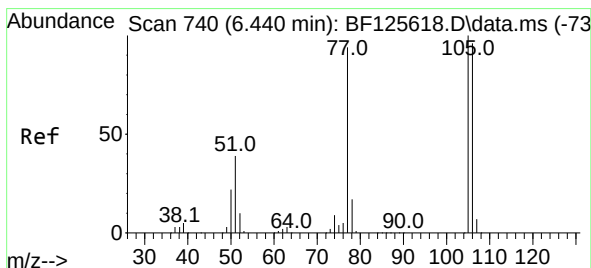
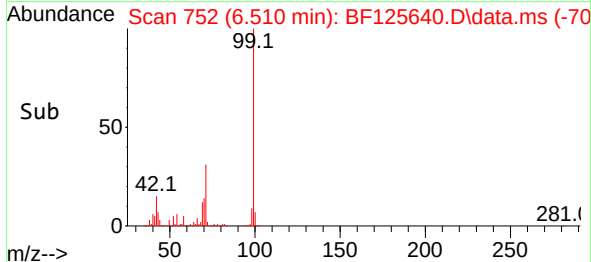
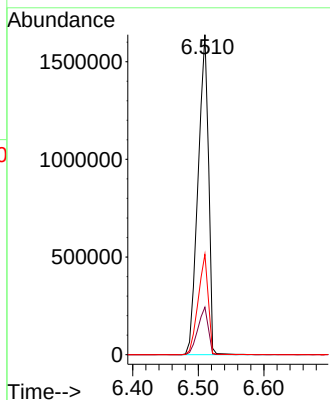
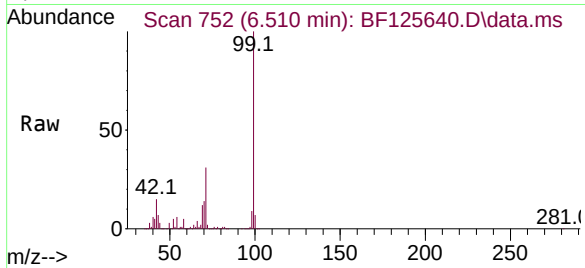




#7
Phenol-d6
Concen: 103.788 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

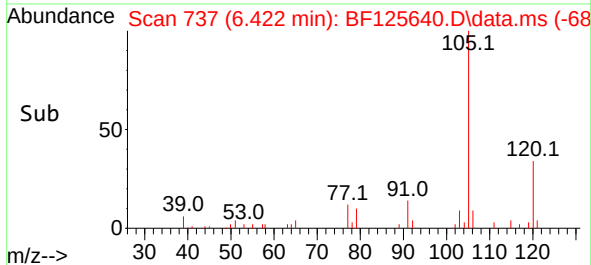
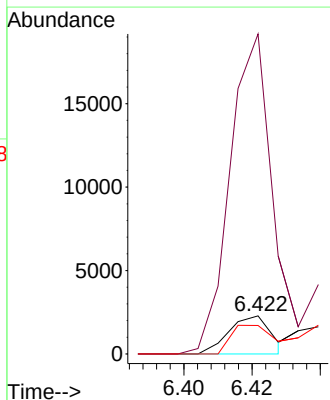
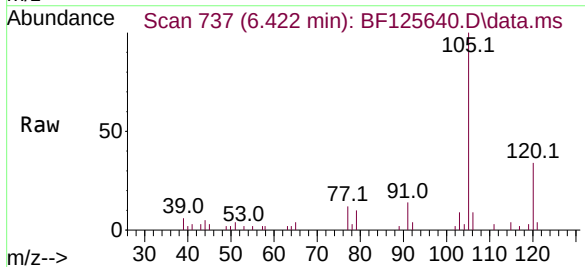
Instrument :
BNA_F
ClientSampled :

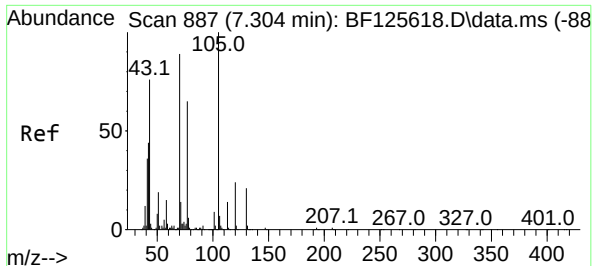
Tgt Ion: 99 Resp: 1821180
Ion Ratio Lower Upper
99 100
42 14.8 23.5 35.3#
71 31.3 25.6 38.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.422 min Scan# 737
Delta R.T. -0.018 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

Tgt Ion: 77 Resp: 1962
Ion Ratio Lower Upper
77 100
105 841.8 75.9 115.9#
106 75.1 84.0 124.0#

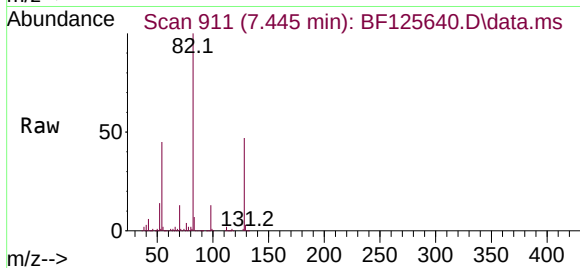




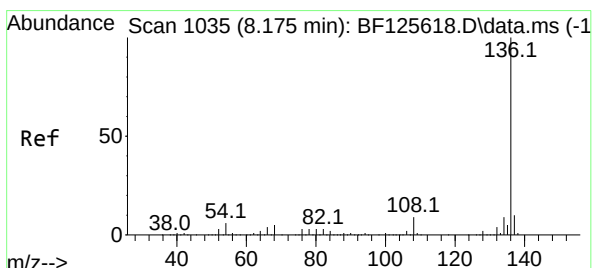
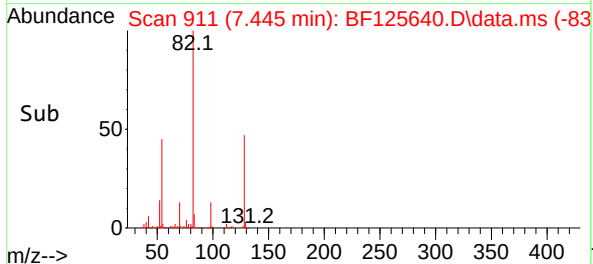
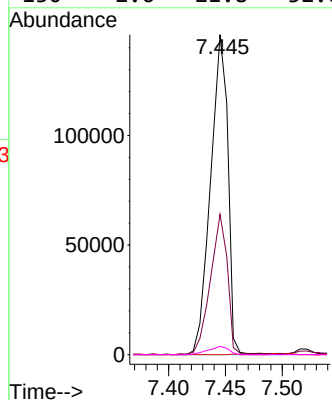
#19

n-Nitroso-di-n-propylamine
Concen: 15.516 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

Instrument :
BNA_F
ClientSampleId :



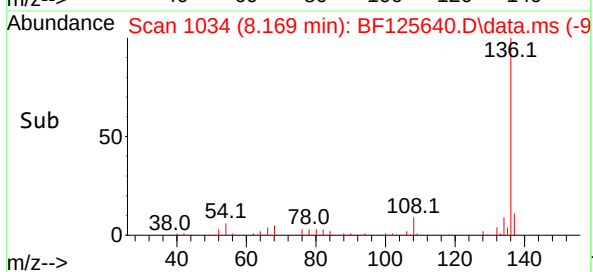
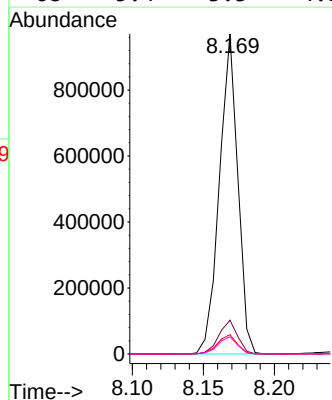
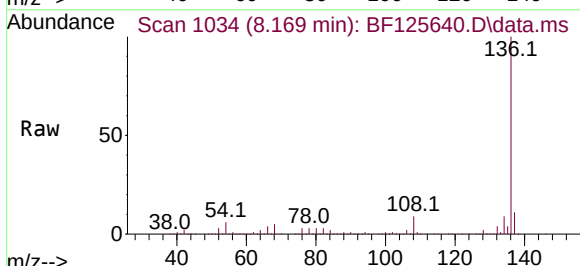
Tgt Ion:	70	Resp:	155013
Ion Ratio	100	Lower	Upper
70	100		
42	43.9	72.2	108.2#
101	0.0	7.8	11.8#
130	2.6	21.8	32.6#

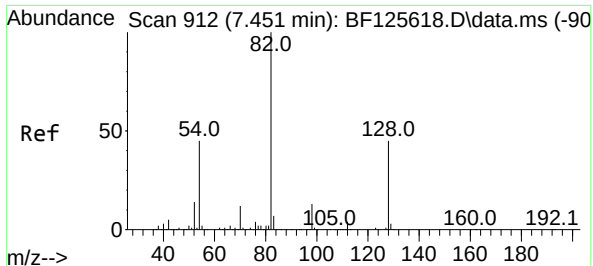


#21

Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

Tgt Ion:	136	Resp:	871538
Ion Ratio	100	Lower	Upper
136	100		
137	10.5	9.8	14.6
54	6.1	6.4	9.6#
68	5.4	3.3	4.9#





#23

Nitrobenzene-d5

Concen: 97.867 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF125640.D

Acq: 25 Sep 2021 1:29

Instrument :

BNA_F

ClientSampleId :

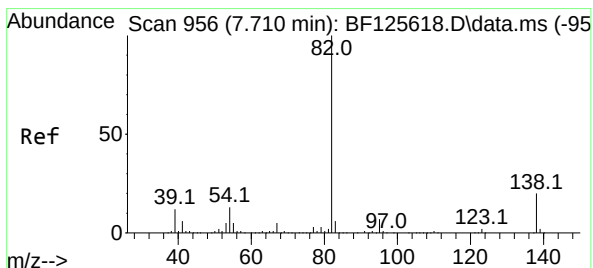
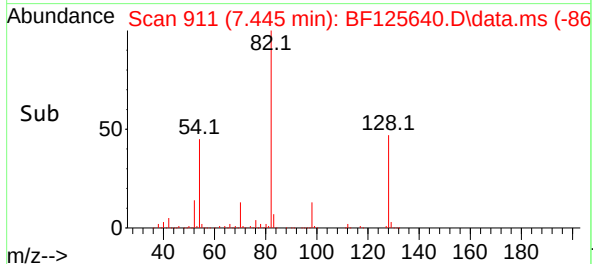
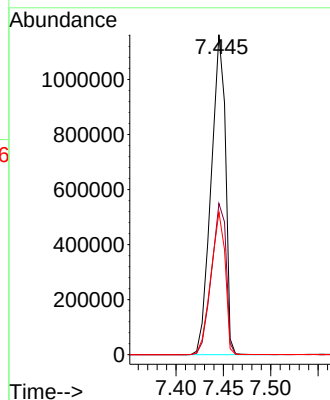
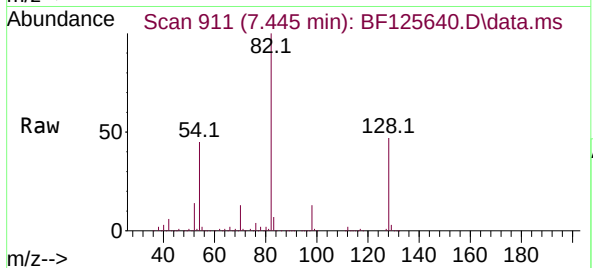
Tgt Ion: 82 Resp: 1222858

Ion Ratio Lower Upper

82 100

128 47.2 40.6 60.8

54 44.6 49.6 74.4#



#25

Isophorone

Concen: 43.618 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.265 min

Lab File: BF125640.D

Acq: 25 Sep 2021 1:29

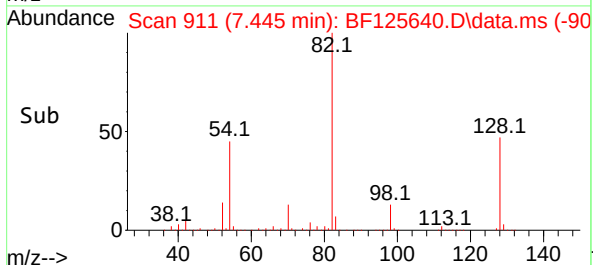
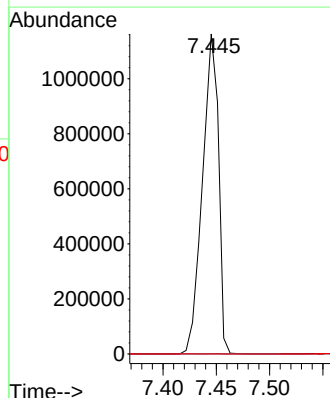
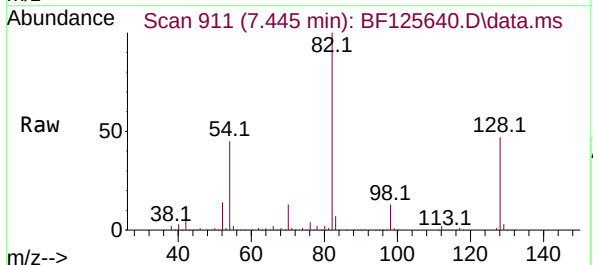
Tgt Ion: 82 Resp: 1220578

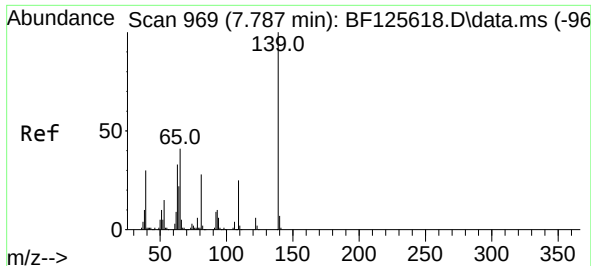
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

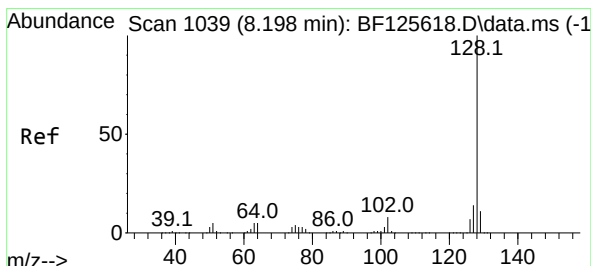
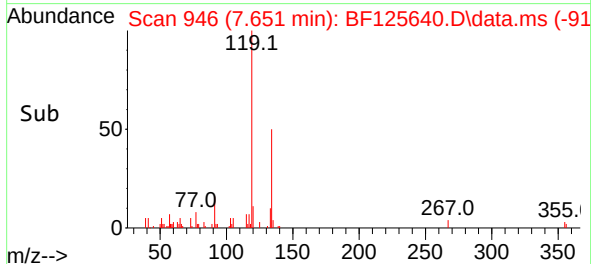
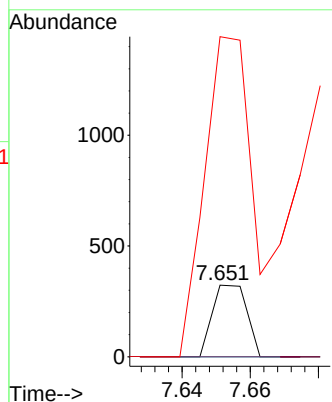
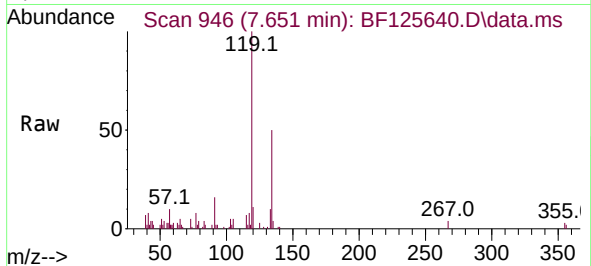




#26
2-Nitrophenol
Concen: 5.764 ng
RT: 7.651 min Scan# 946
Delta R.T. -0.136 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

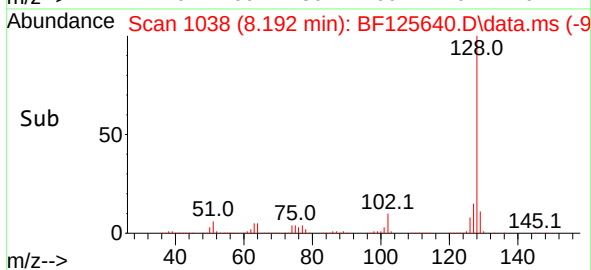
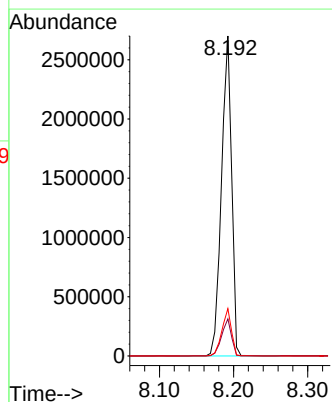
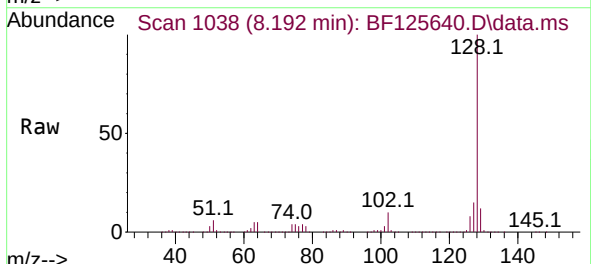
Instrument :
BNA_F
ClientSampleId :

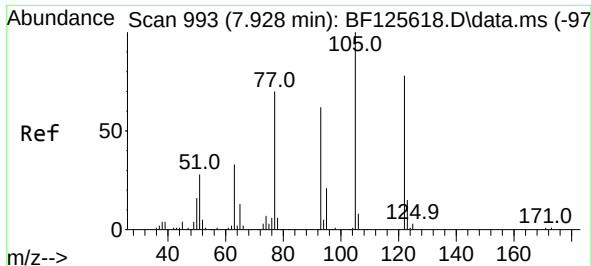
Tgt Ion:139 Resp: 226
Ion Ratio Lower Upper
139 100
109 0.0 26.0 39.0#
65 447.4 31.0 46.4#



#31
Naphthalene
Concen: 57.452 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

Tgt Ion:128 Resp: 2570949
Ion Ratio Lower Upper
128 100
129 11.6 9.4 14.0
127 14.8 10.9 16.3

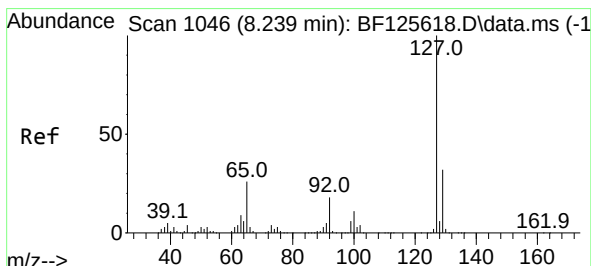
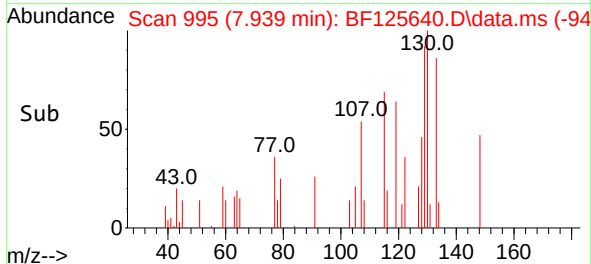
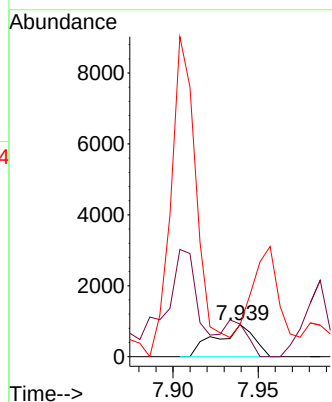
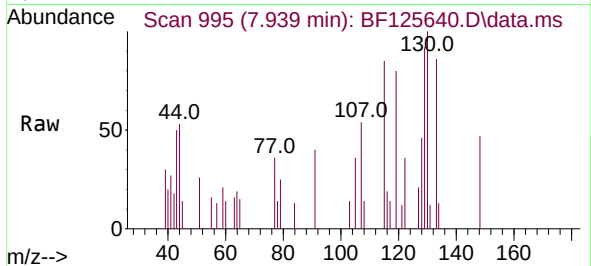




#32
Benzoic acid
Concen: 8.752 ng
RT: 7.939 min Scan# 995
Delta R.T. 0.011 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

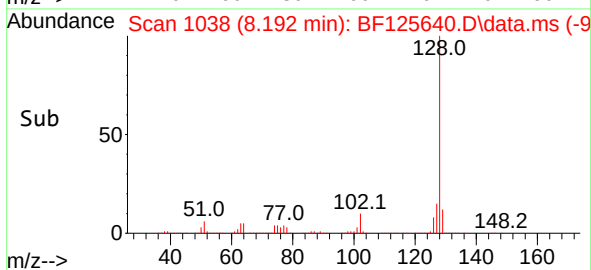
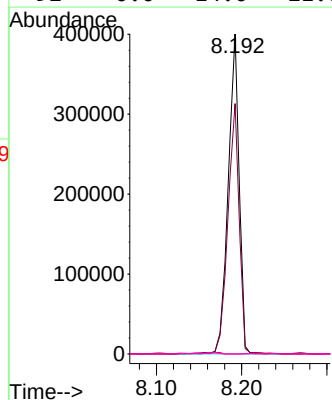
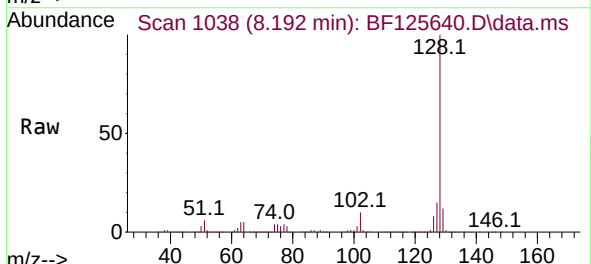
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ClientSampleId :

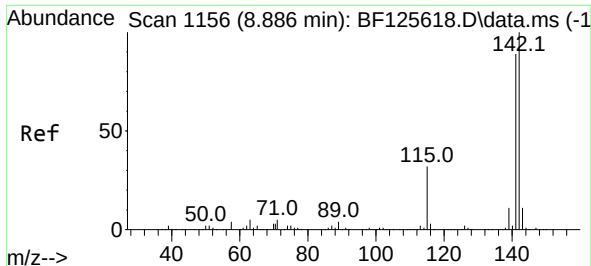
Tgt Ion:122 Resp: 1379
Ion Ratio Lower Upper
122 100
105 101.3 97.6 137.6
77 100.0 59.6 99.6#



#33
4-Chloroaniline
Concen: 19.100 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.047 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

Tgt Ion:127 Resp: 358528
Ion Ratio Lower Upper
127 100
129 78.2 25.7 38.5#
65 0.0 21.2 31.8#
92 0.0 14.0 21.0#

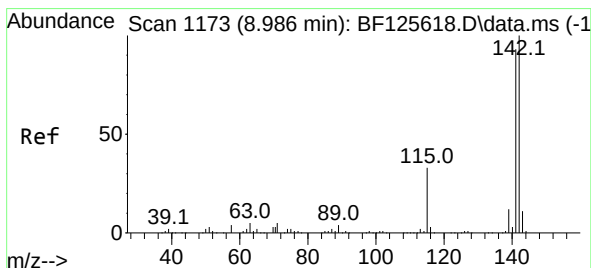
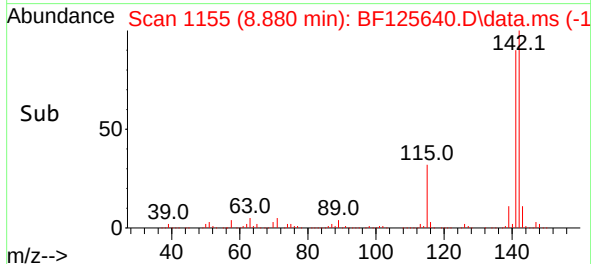
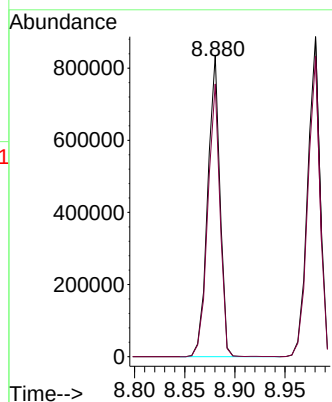
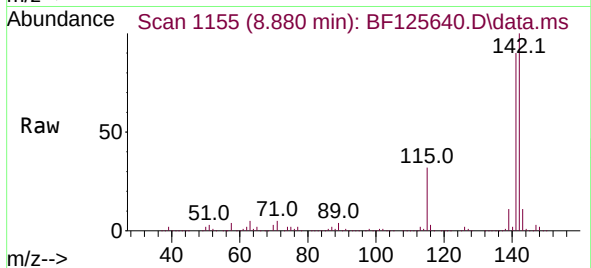




#37
2-Methylnaphthalene
Concen: 23.387 ng
RT: 8.880 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

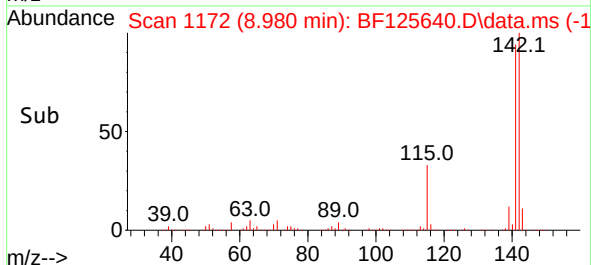
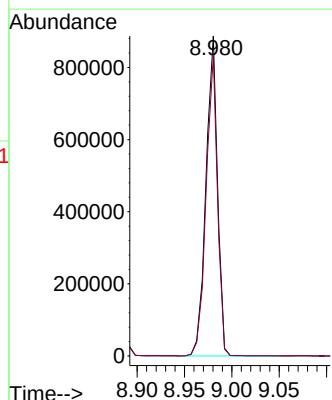
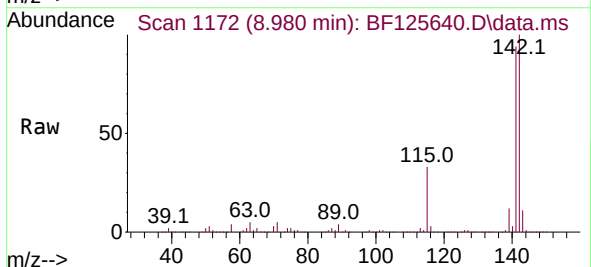
Instrument :
BNA_F
ClientSampleId :

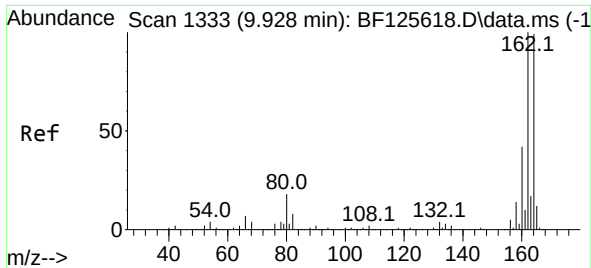
Tgt Ion:142 Resp: 709808
Ion Ratio Lower Upper
142 100
141 90.5 71.2 106.8



#38
1-Methylnaphthalene
Concen: 26.296 ng
RT: 8.980 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

Tgt Ion:142 Resp: 754241
Ion Ratio Lower Upper
142 100
141 93.8 76.0 114.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BF125640.D

Acq: 25 Sep 2021 1:29

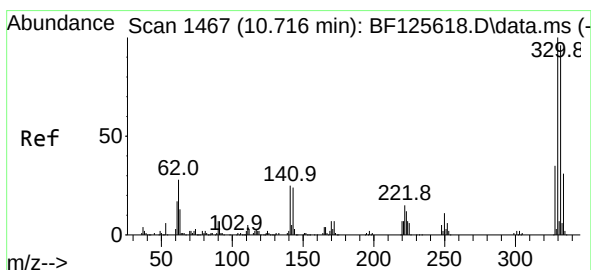
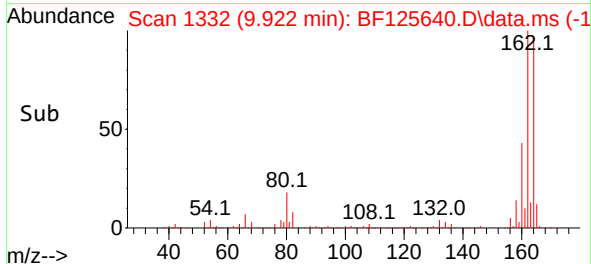
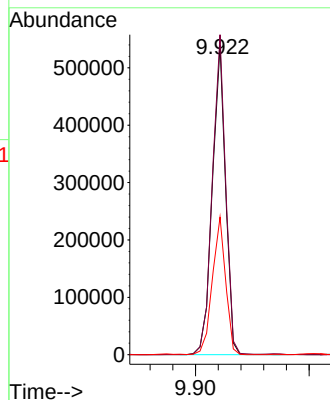
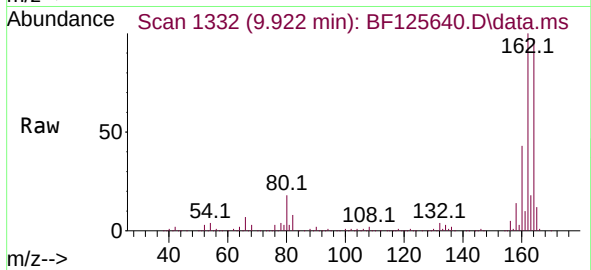
Tgt Ion:164 Resp: 436102

Ion Ratio Lower Upper

164 100

162 103.5 81.3 121.9

160 44.5 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 135.658 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF125640.D

Acq: 25 Sep 2021 1:29

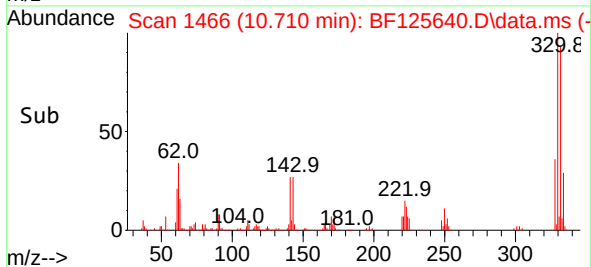
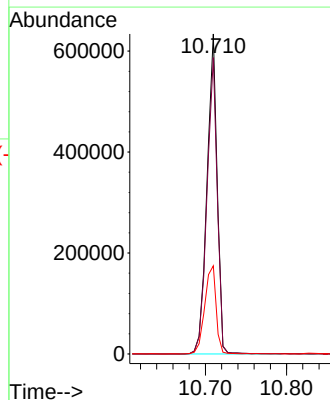
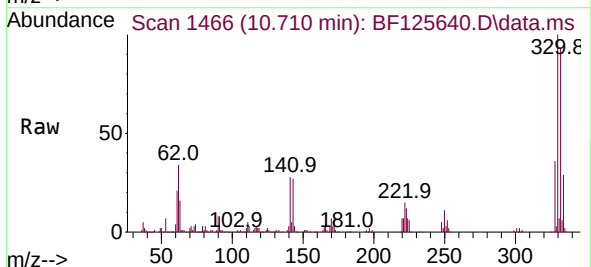
Tgt Ion:330 Resp: 551598

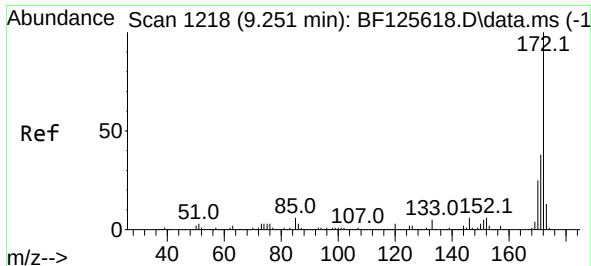
Ion Ratio Lower Upper

330 100

332 94.1 76.2 114.4

141 31.0 44.6 66.8#

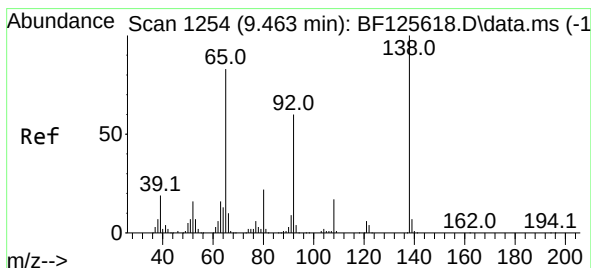
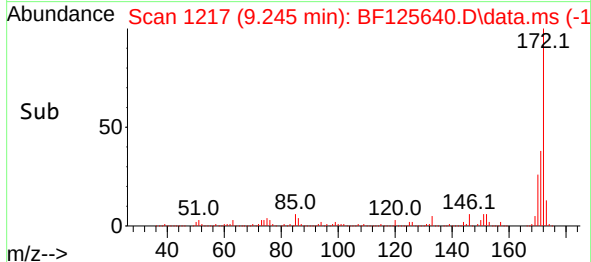
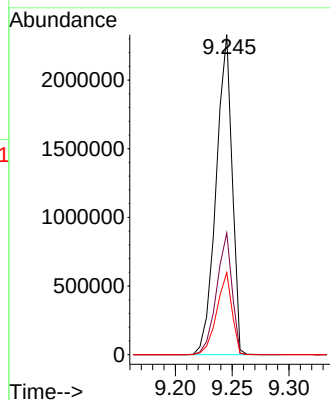
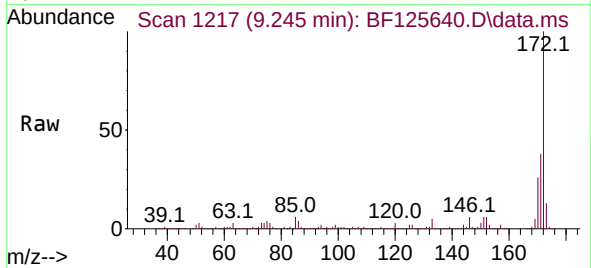




#45
2-Fluorobiphenyl
Concen: 96.030 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

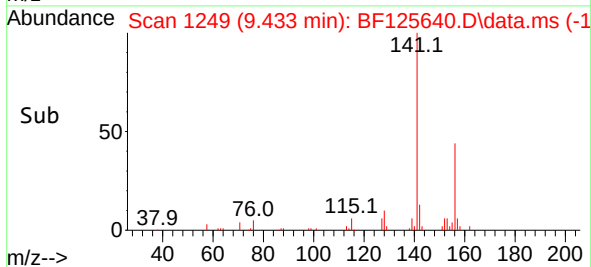
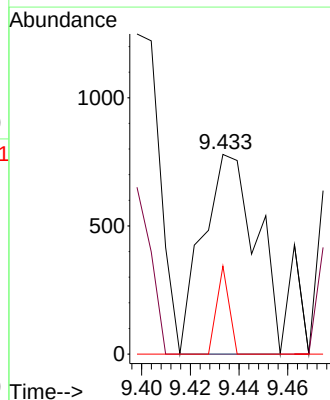
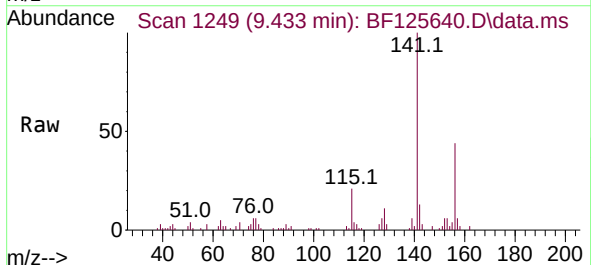
Instrument :
BNA_F
ClientSampleId :

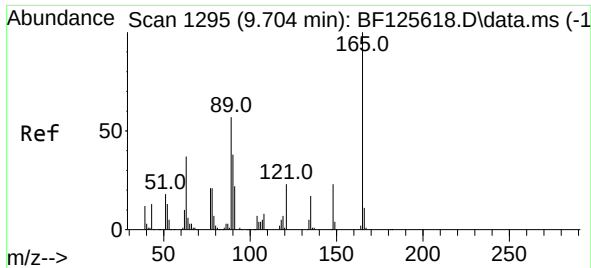
Tgt Ion:172 Resp: 2288587
Ion Ratio Lower Upper
172 100
171 38.0 26.5 39.7
170 25.7 18.8 28.2



#48
2-Nitroaniline
Concen: 4.330 ng
RT: 9.433 min Scan# 1249
Delta R.T. -0.030 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

Tgt Ion: 65 Resp: 1190
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 44.0 93.5 140.3#

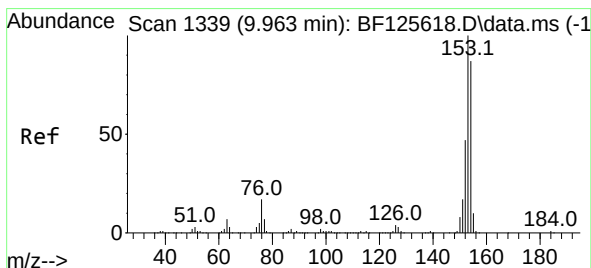
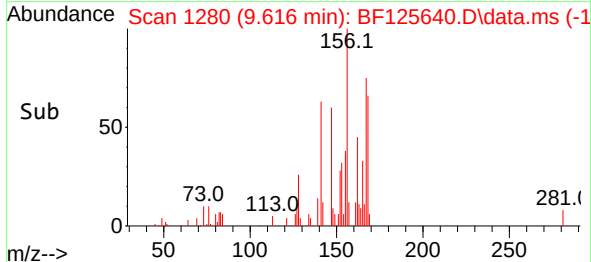
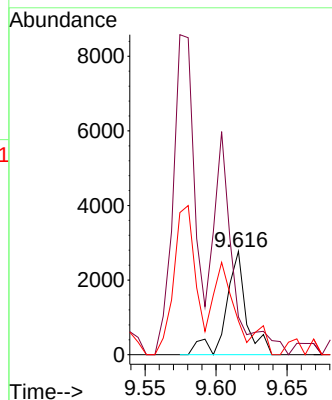
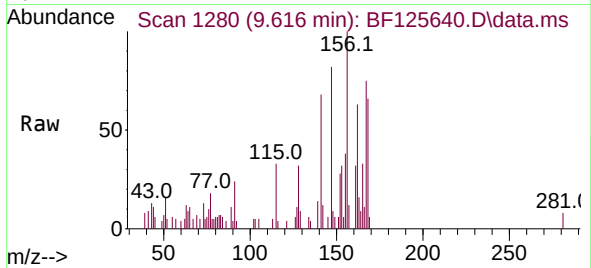




#51
2,6-Dinitrotoluene
Concen: 4.529 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.088 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

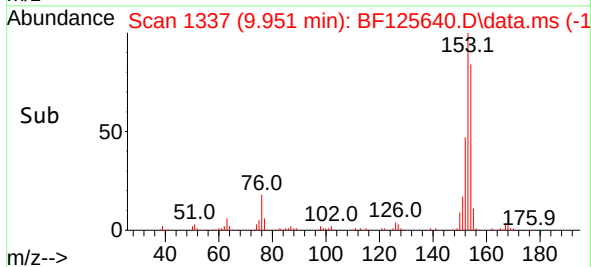
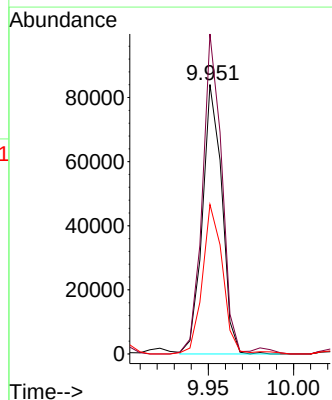
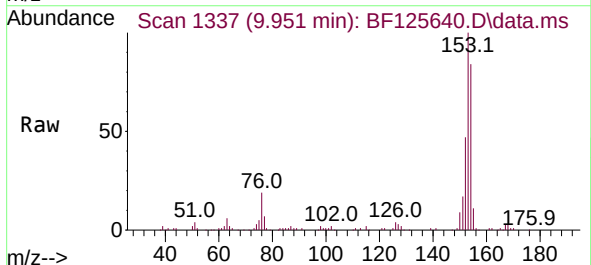
Instrument :
BNA_F
ClientSampled :

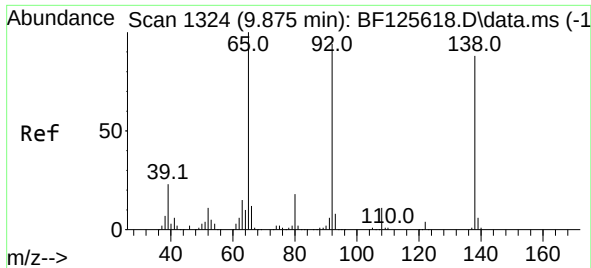
Tgt Ion:165 Resp: 2694
Ion Ratio Lower Upper
165 100
63 36.6 42.6 63.8#
89 32.6 40.6 60.8#



#52
Acenaphthene
Concen: 2.656 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

Tgt Ion:154 Resp: 66754
Ion Ratio Lower Upper
154 100
153 118.8 89.4 134.2
152 55.5 40.5 60.7

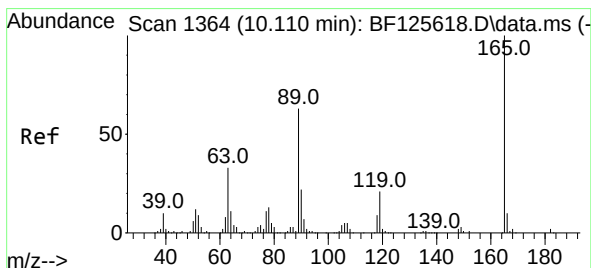
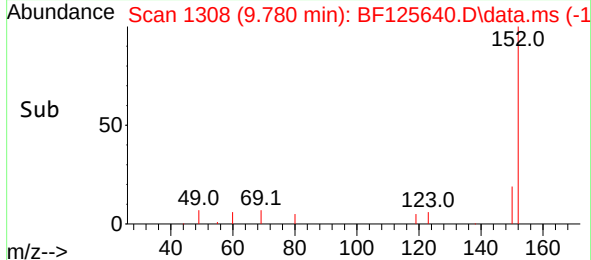
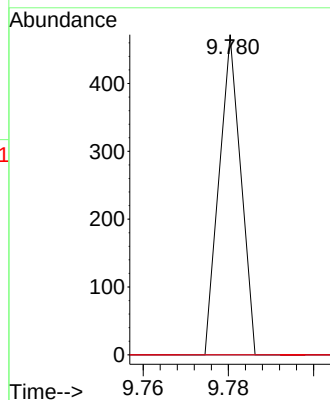
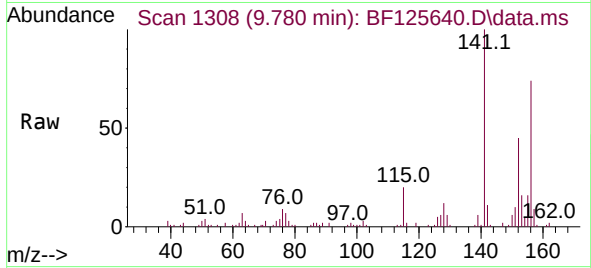




#53
3-Nitroaniline
Concen: 3.166 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.095 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

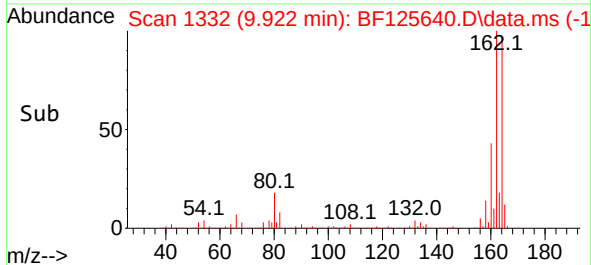
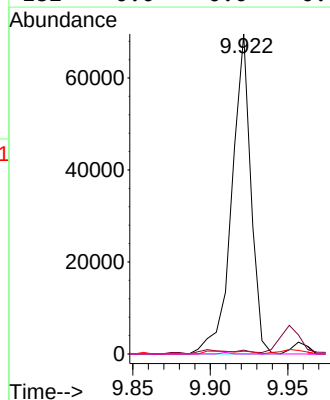
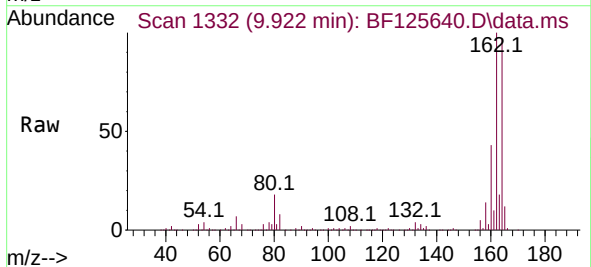
Instrument :
BNA_F
ClientSampleId :

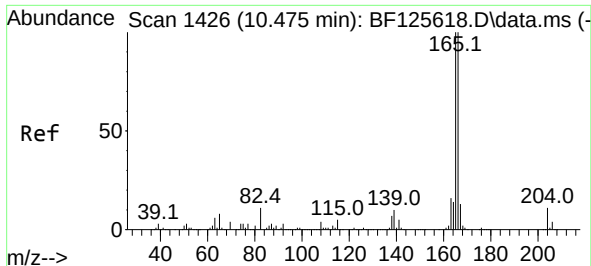
Tgt Ion:138 Resp: 167
Ion Ratio Lower Upper
138 100
108 0.0 9.3 13.9#
92 0.0 76.5 114.7#



#57
2,4-Dinitrotoluene
Concen: 11.961 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.188 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

Tgt Ion:165 Resp: 59380
Ion Ratio Lower Upper
165 100
63 1.2 40.9 61.3#
89 0.8 59.7 89.5#
182 0.0 0.0 0.0

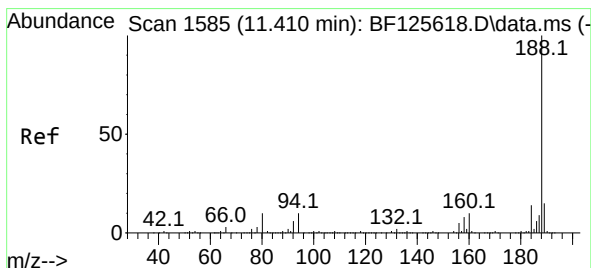
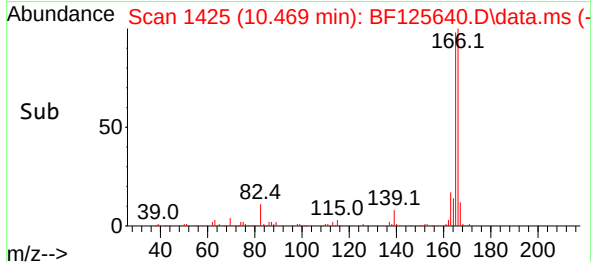
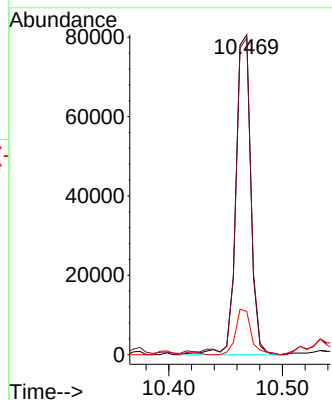
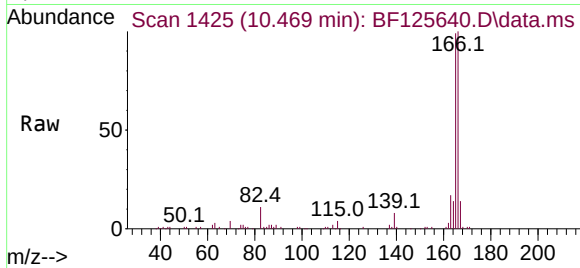




#58
Fluorene
Concen: 2.491 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

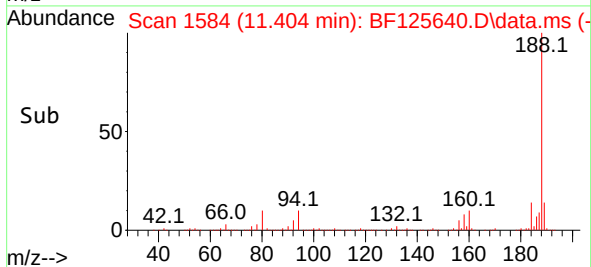
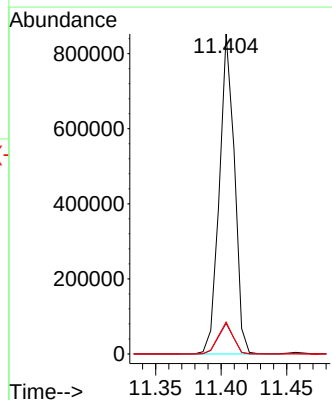
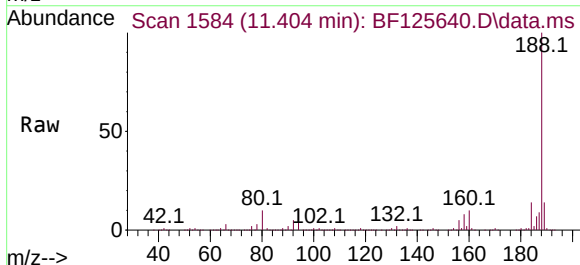
Instrument :
BNA_F
ClientSampled :

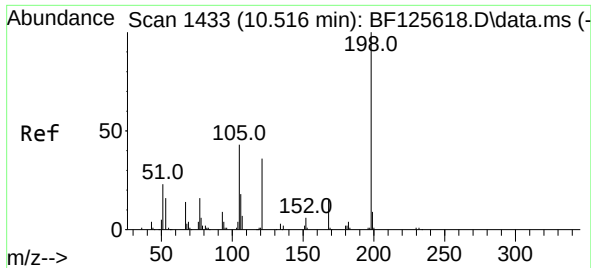
Tgt Ion:166 Resp: 73106
Ion Ratio Lower Upper
166 100
165 98.9 78.1 117.1
167 13.6 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

Tgt Ion:188 Resp: 682134
Ion Ratio Lower Upper
188 100
94 9.5 6.7 10.1
80 10.0 7.5 11.3

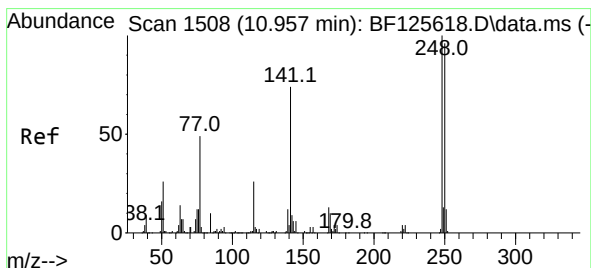
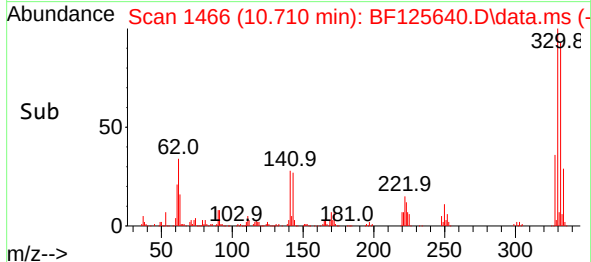
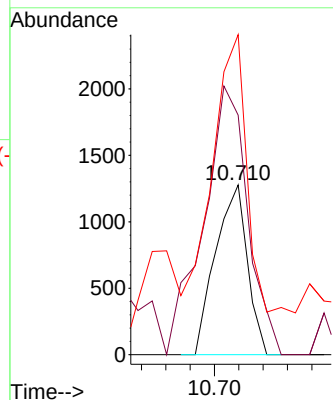
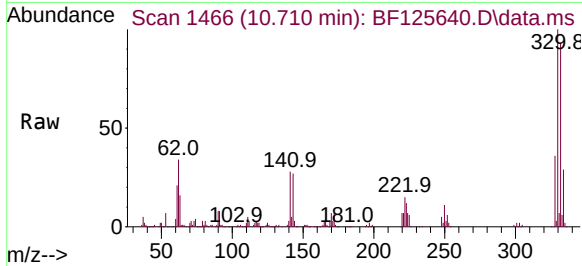




#65
4,6-Dinitro-2-methylphenol
Concen: 9.297 ng
RT: 10.710 min Scan# 1466
Delta R.T. 0.194 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

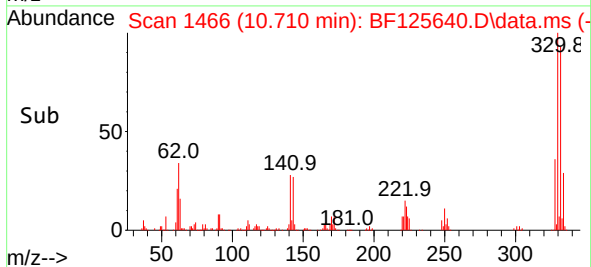
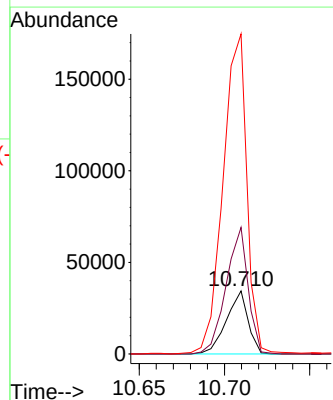
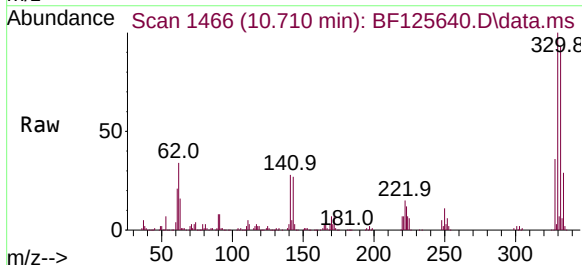
Instrument :
BNA_F
ClientSampleId :

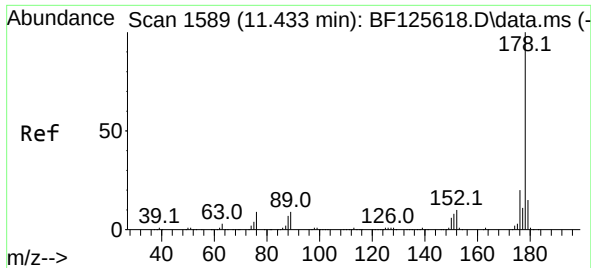
Tgt Ion:198 Resp: 1160
Ion Ratio Lower Upper
198 100
51 141.0 45.3 85.3#
105 188.4 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 4.244 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.247 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

Tgt Ion:248 Resp: 30381
Ion Ratio Lower Upper
248 100
250 200.5 74.2 111.4#
141 507.2 60.4 90.6#

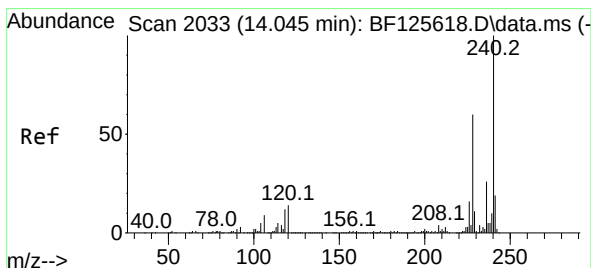
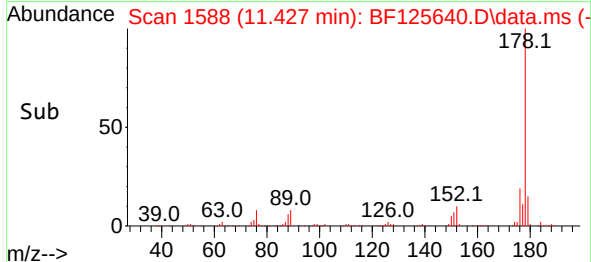
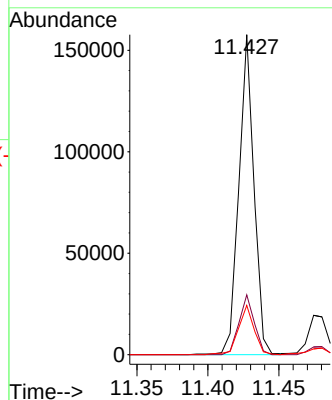
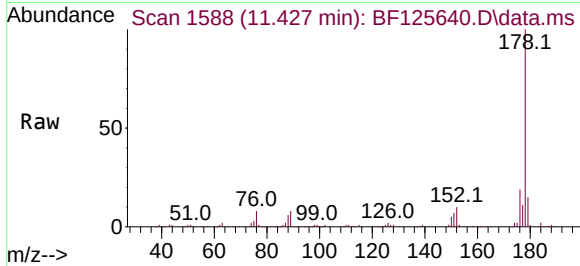




#71
Phenanthrene
Concen: 3.059 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

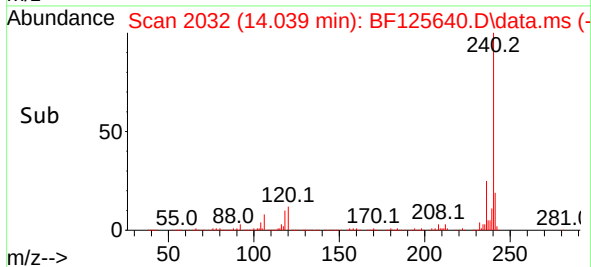
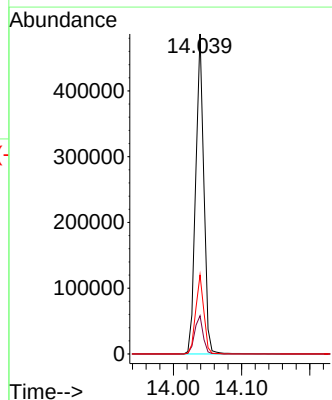
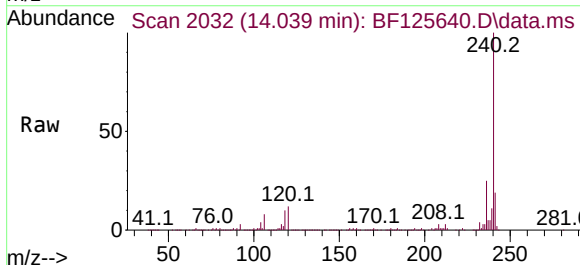
Instrument :
BNA_F
ClientSampleId :

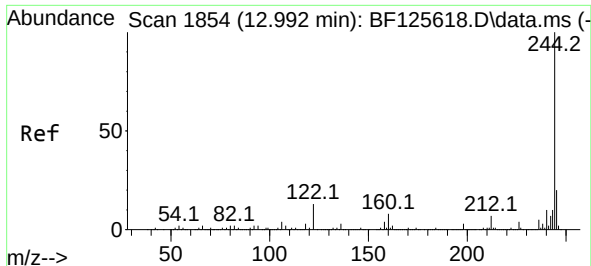
Tgt Ion:178 Resp: 117005
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.4 11.5 17.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF125640.D
Acq: 25 Sep 2021 1:29

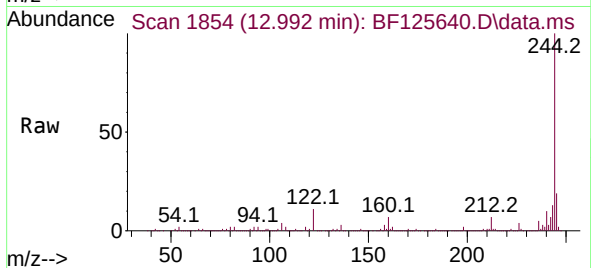
Tgt Ion:240 Resp: 402323
Ion Ratio Lower Upper
240 100
120 11.9 10.8 16.2
236 24.7 21.6 32.4





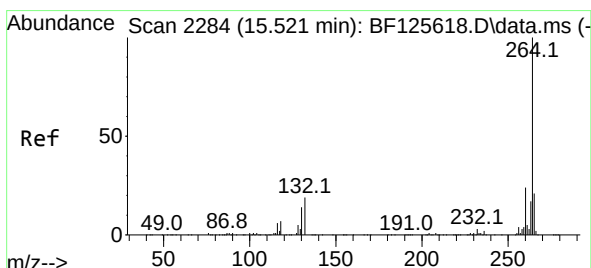
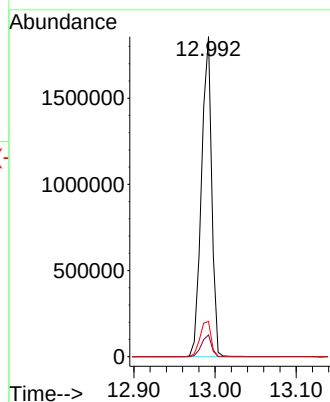
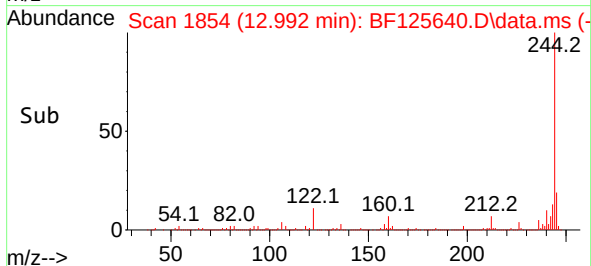
#79
 Terphenyl-d14
 Concen: 70.182 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. -0.000 min
 Lab File: BF125640.D
 Acq: 25 Sep 2021 1:29

Instrument :
 BNA_F
 ClientSampled :

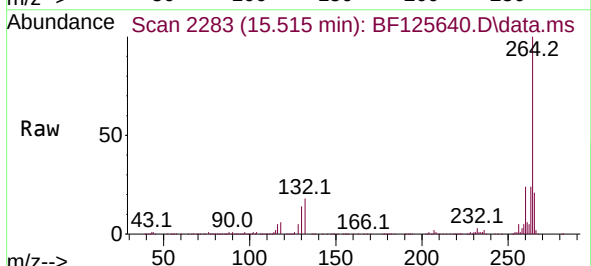


Tgt Ion:244 Resp: 1630481

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	11.0	9.0	13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 2283
 Delta R.T. -0.006 min
 Lab File: BF125640.D
 Acq: 25 Sep 2021 1:29



Tgt Ion:264 Resp: 381961

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	21.3	17.2	25.8

