

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100121\
 Data File : BF125754.D
 Acq On : 1 Oct 2021 16:07
 Operator : JU/CG
 Sample : M4002-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 290-359

Quant Time: Oct 01 16:34:37 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)

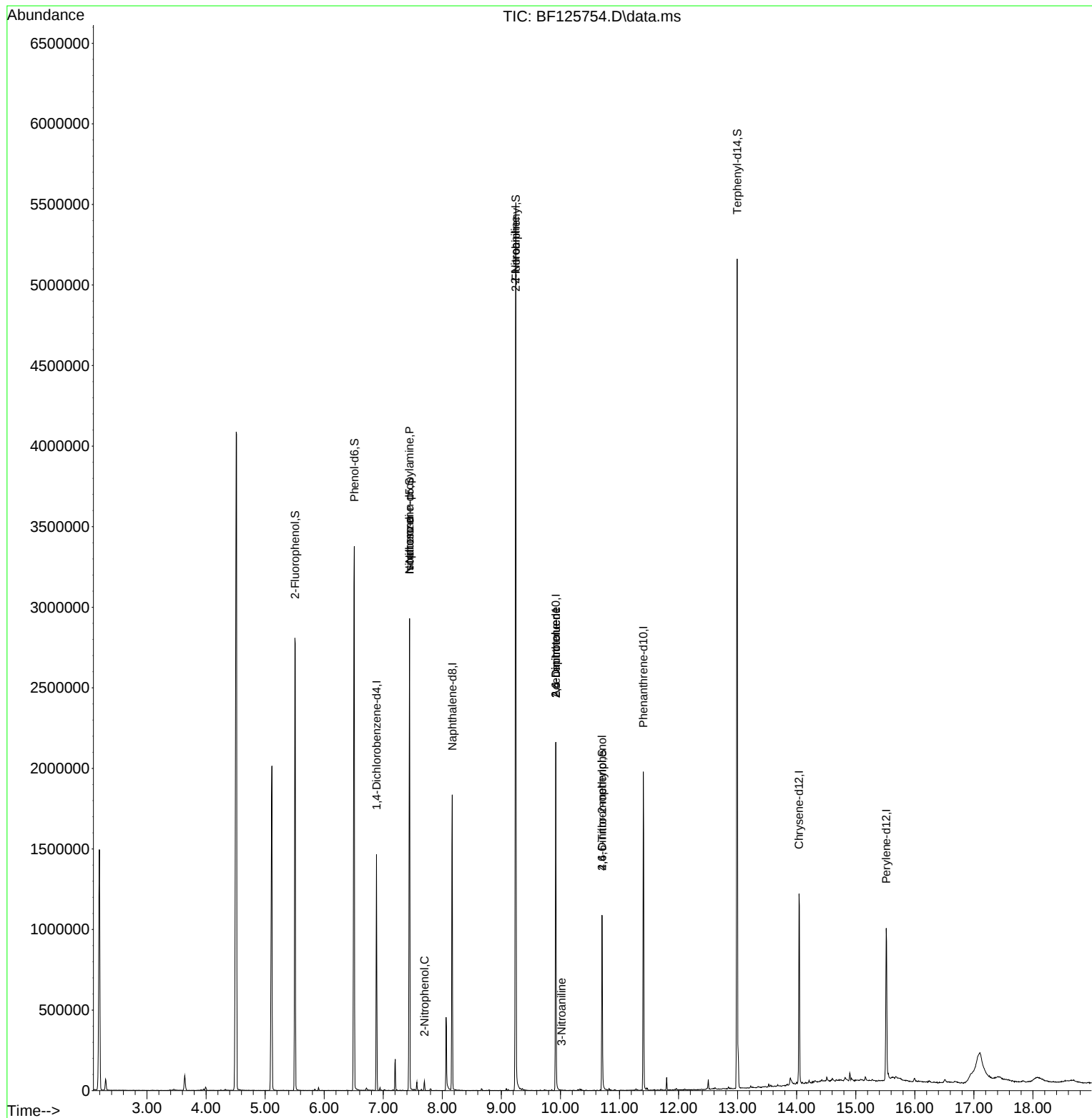
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	207087	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	839929	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	435730	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	733472	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	429824	20.000	ng	0.00
86) Perylene-d12	15.515	264	438123	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	920594	73.242	ng	0.00
7) Phenol-d6	6.510	99	1398511	82.760	ng	0.00
23) Nitrobenzene-d5	7.445	82	945284	78.499	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	142643	35.111	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	1881233	76.190	ng	0.00
79) Terphenyl-d14	12.992	244	1739237	70.074	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.510	77	1784	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.445	70	117602	12.223	ng	# 52
25) Isophorone	7.445	82	945264	35.051	ng	# 59
26) 2-Nitrophenol	7.698	139	218	5.764	ng	# 45
48) 2-Nitroaniline	9.239	65	2591	4.534	ng	# 9
51) 2,6-Dinitrotoluene	9.922	165	54097	12.387	ng	# 27
53) 3-Nitroaniline	10.022	138	107	3.158	ng	# 9
57) 2,4-Dinitrotoluene	9.922	165	54098	11.330	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.704	198	133	9.043	ng	# 1

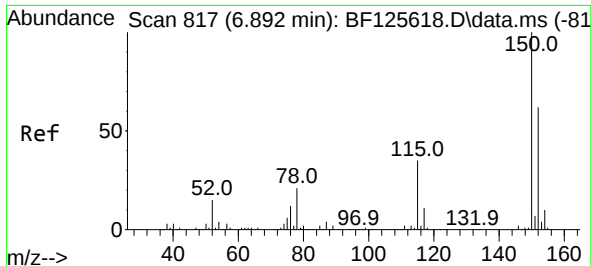
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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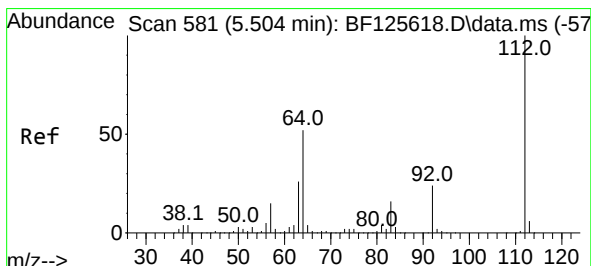
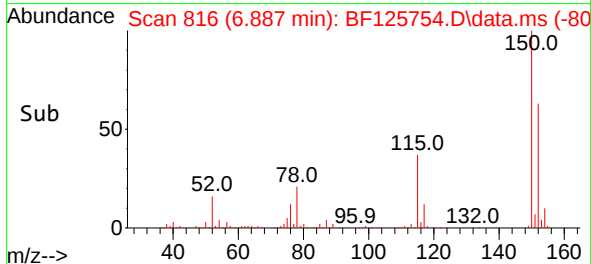
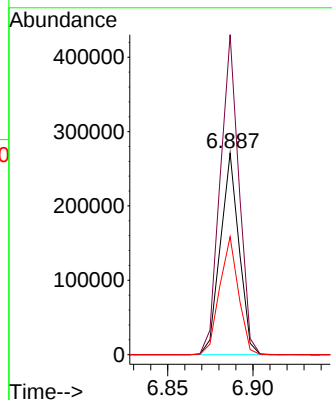
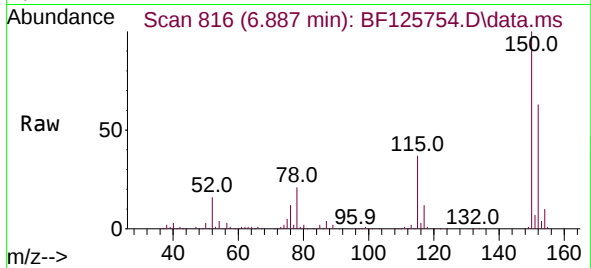




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

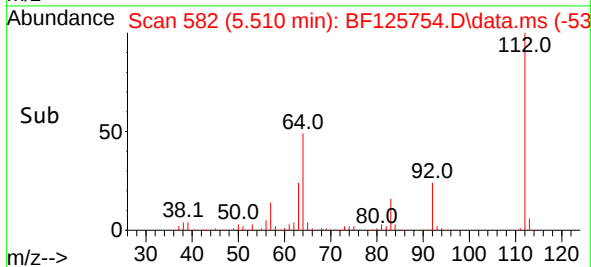
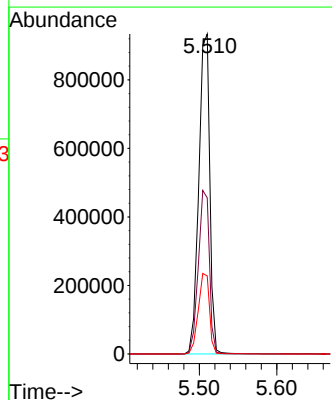
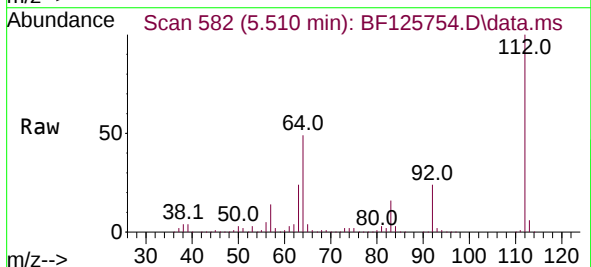
Instrument :
BNA_F
ClientSampleId :
290-359

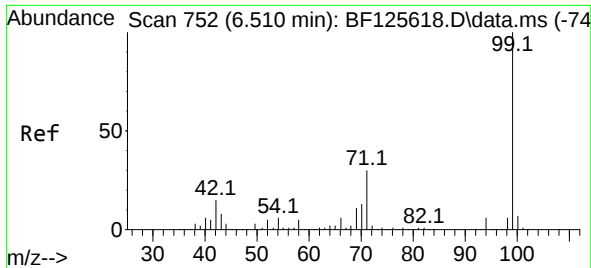
Tgt Ion:152 Resp: 207087
Ion Ratio Lower Upper
152 100
150 158.7 117.6 176.4
115 58.5 47.1 70.7



#5
2-Fluorophenol
Concen: 73.242 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

Tgt Ion:112 Resp: 920594
Ion Ratio Lower Upper
112 100
64 48.8 44.2 66.2
63 24.4 26.2 39.2#

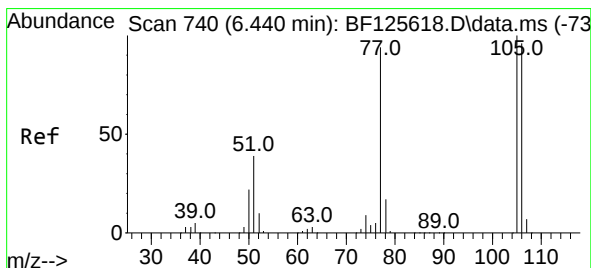
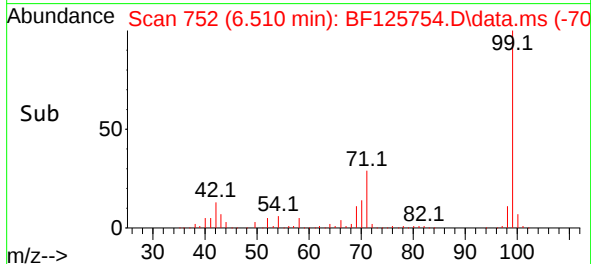
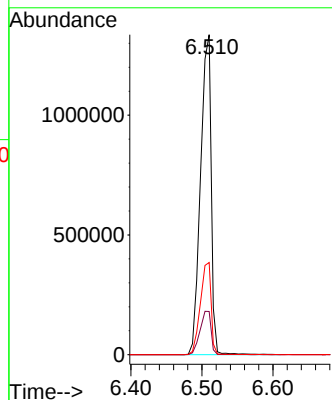
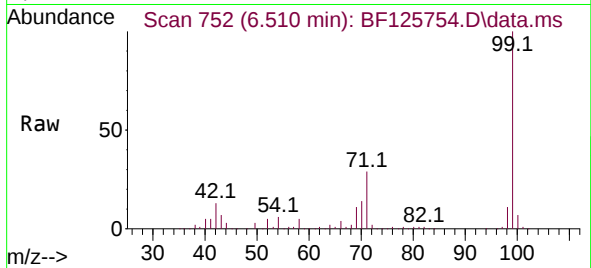




#7
Phenol-d6
Concen: 82.760 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

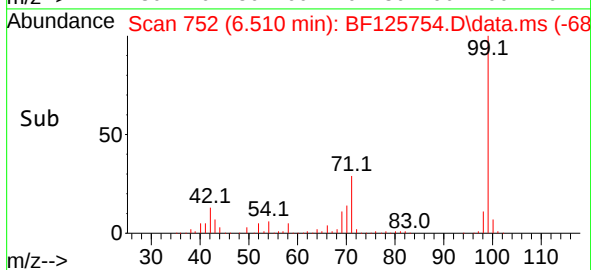
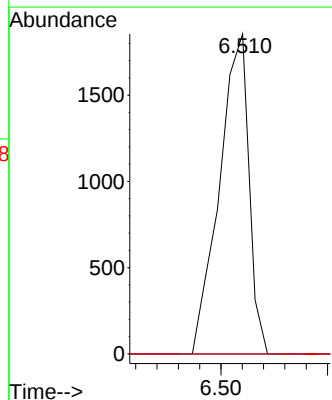
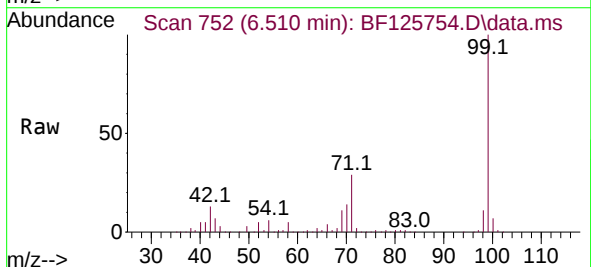
Instrument :
BNA_F
ClientSampleId :
290-359

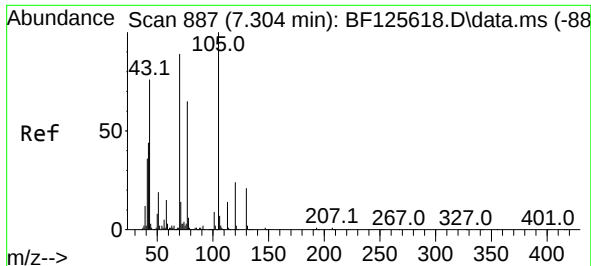
Tgt Ion: 99 Resp: 1398511
Ion Ratio Lower Upper
99 100
42 13.5 23.5 35.3#
71 28.8 25.6 38.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.510 min Scan# 752
Delta R.T. 0.070 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

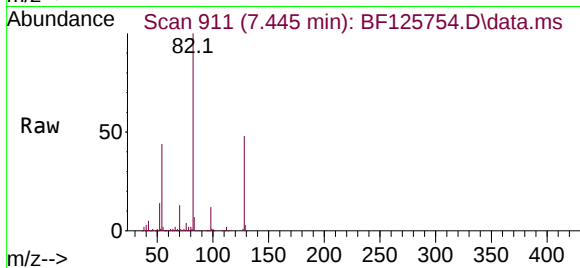
Tgt Ion: 77 Resp: 1784
Ion Ratio Lower Upper
77 100
105 0.0 75.9 115.9#
106 0.0 84.0 124.0#



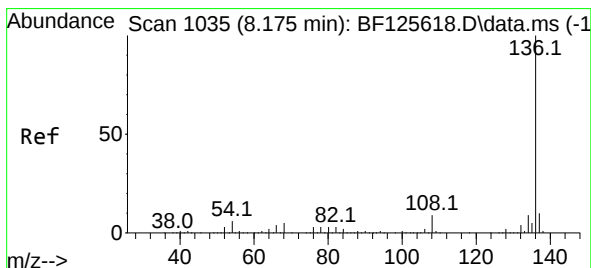
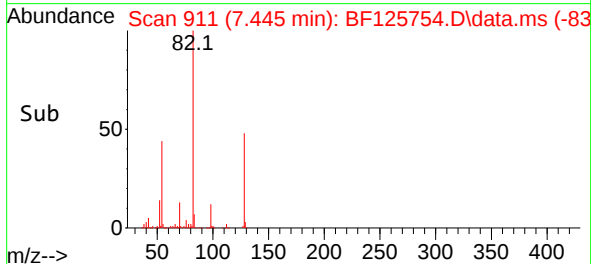
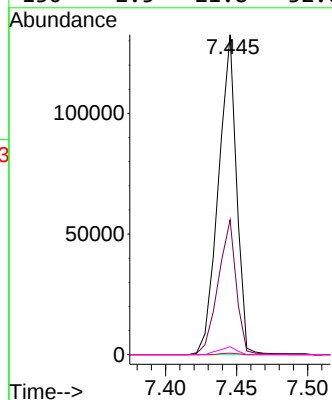


#19
n-Nitroso-di-n-propylamine
Concen: 12.223 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

Instrument :
BNA_F
ClientSampleId :
290-359

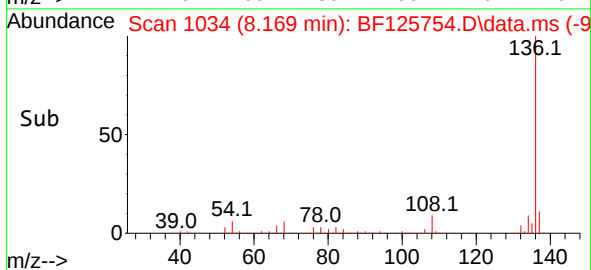
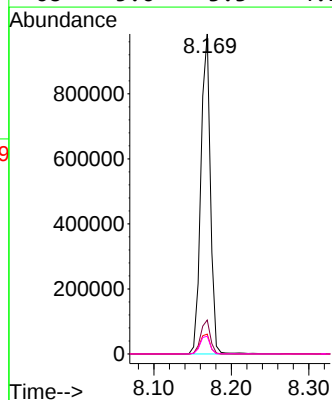
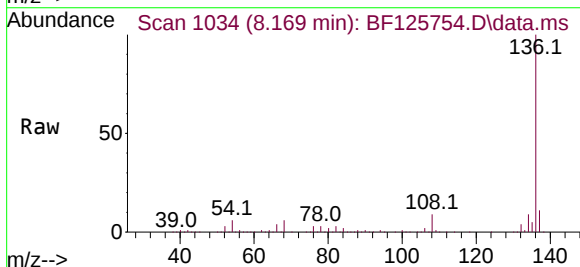


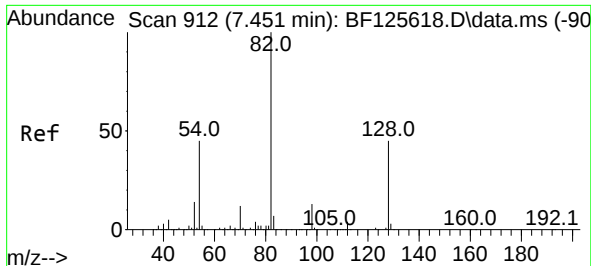
Tgt Ion: 70 Resp: 117602
Ion Ratio Lower Upper
70 100
42 42.2 72.2 108.2#
101 0.4 7.8 11.8#
130 2.5 21.8 32.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

Tgt Ion: 136 Resp: 839929
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 6.2 6.4 9.6#
68 5.6 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 78.499 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF125754.D

Acq: 1 Oct 2021 16:07

Instrument :

BNA_F

ClientSampleId :

290-359

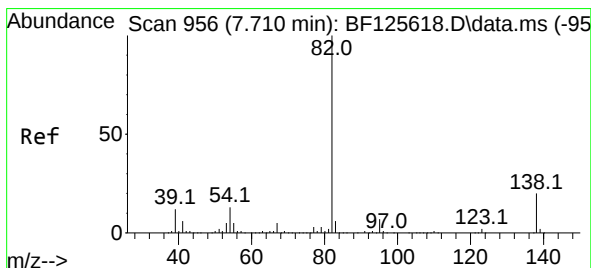
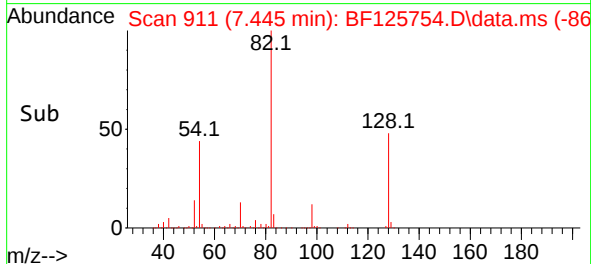
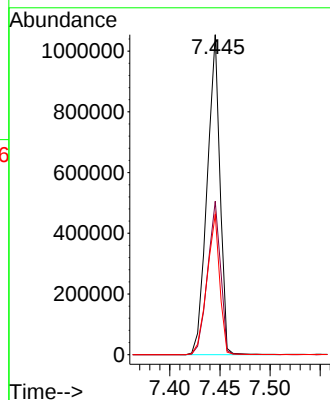
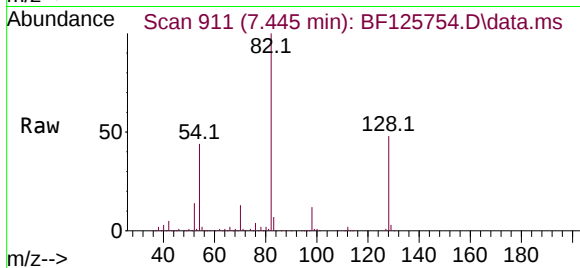
Tgt Ion: 82 Resp: 945284

Ion Ratio Lower Upper

82 100

128 47.9 40.6 60.8

54 43.9 49.6 74.4#



#25

Isophorone

Concen: 35.051 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.265 min

Lab File: BF125754.D

Acq: 1 Oct 2021 16:07

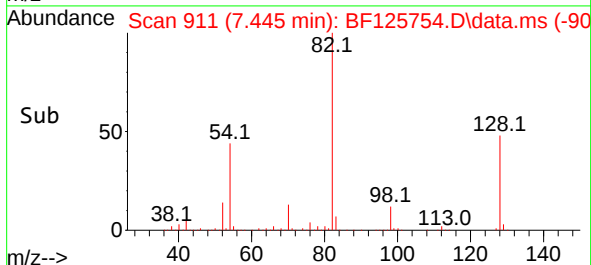
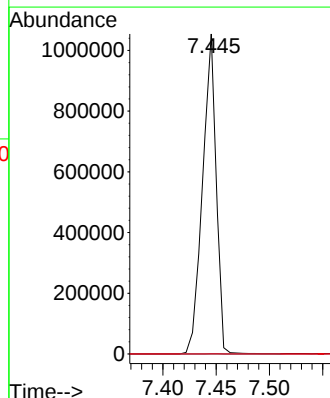
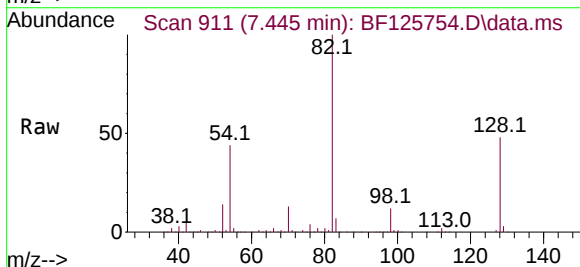
Tgt Ion: 82 Resp: 945264

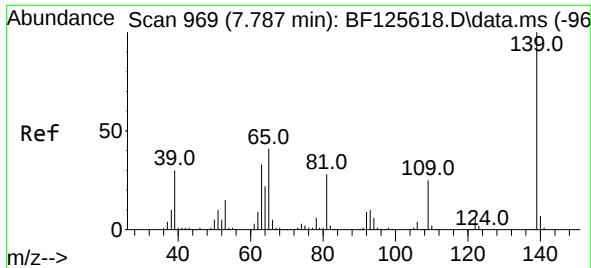
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

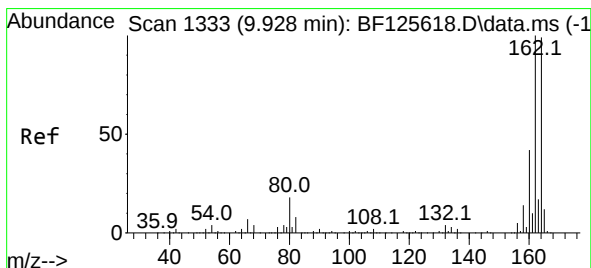
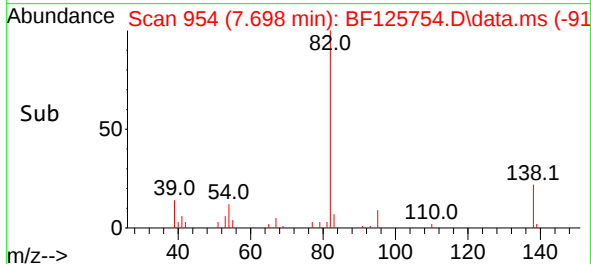
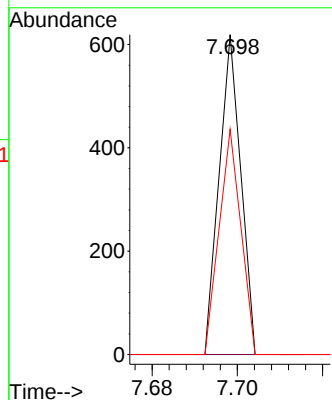
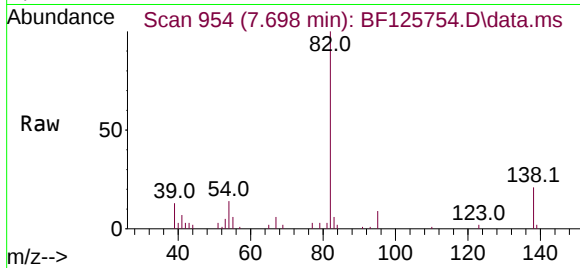




#26
2-Nitrophenol
Concen: 5.764 ng
RT: 7.698 min Scan# 954
Delta R.T. -0.089 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

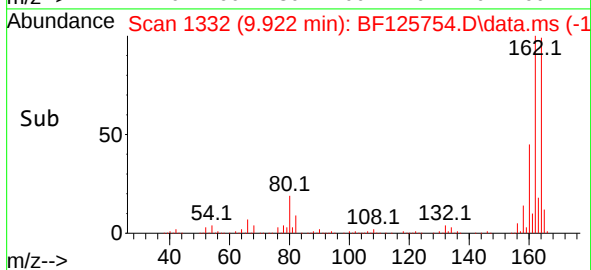
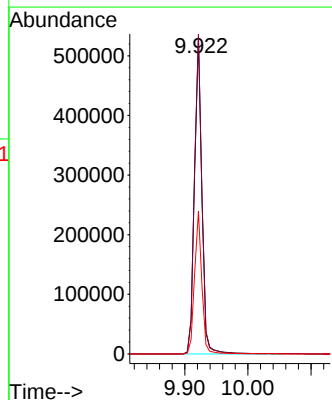
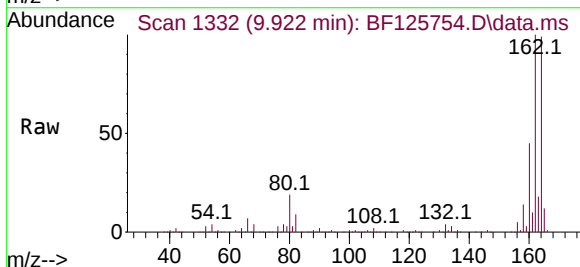
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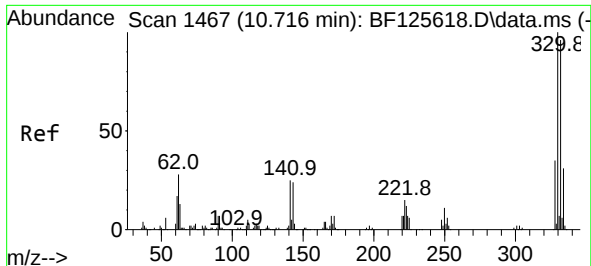
Tgt Ion:139 Resp: 218
Ion Ratio Lower Upper
139 100
109 0.0 26.0 39.0#
65 70.4 31.0 46.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

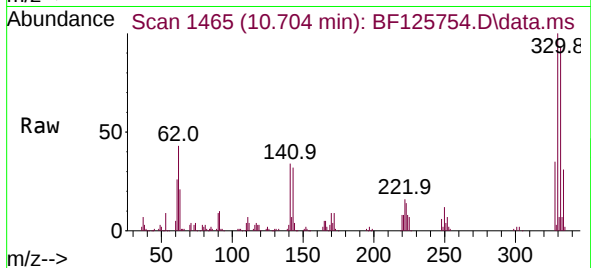
Tgt Ion:164 Resp: 435730
Ion Ratio Lower Upper
164 100
162 101.1 81.3 121.9
160 45.1 38.0 57.0



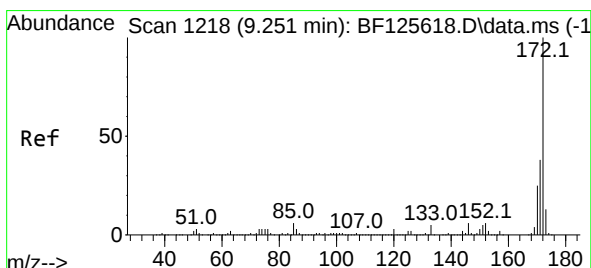
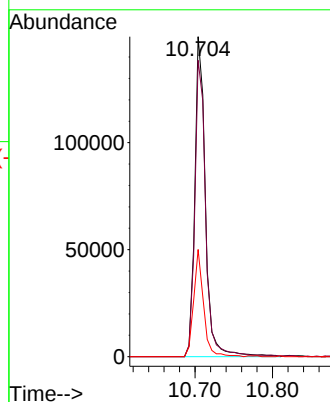
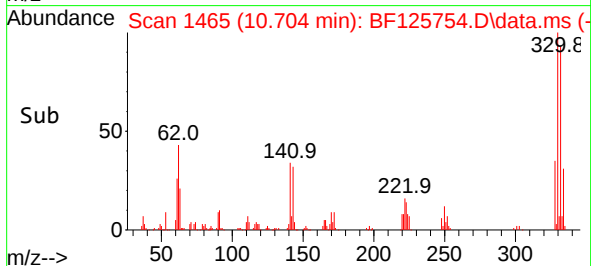


#42
2,4,6-Tribromophenol
Concen: 35.111 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

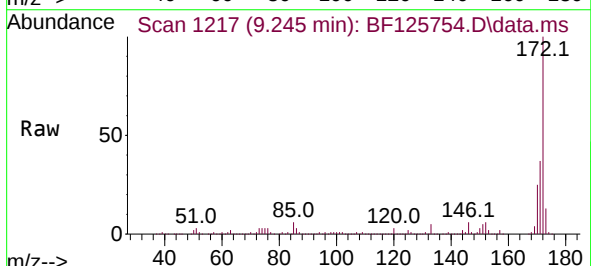
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ClientSampleId :
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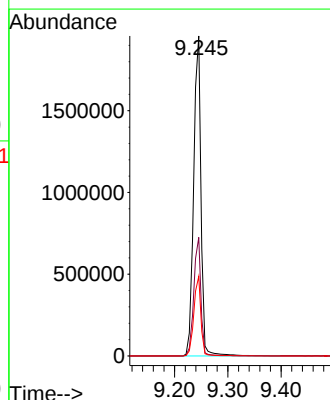
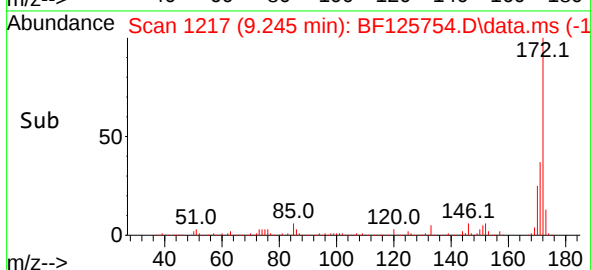
Tgt Ion: 330 Resp: 142643
Ion Ratio Lower Upper
330 100
332 95.3 76.2 114.4
141 31.0 44.6 66.8#

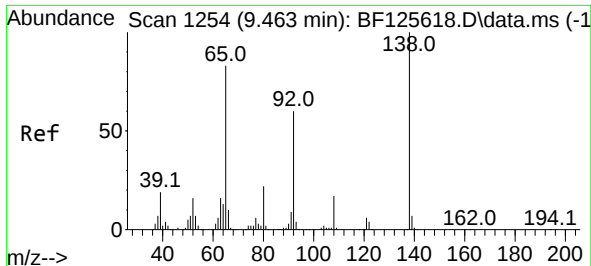


#45
2-Fluorobiphenyl
Concen: 76.190 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07



Tgt Ion: 172 Resp: 1881233
Ion Ratio Lower Upper
172 100
171 37.1 26.5 39.7
170 24.8 18.8 28.2

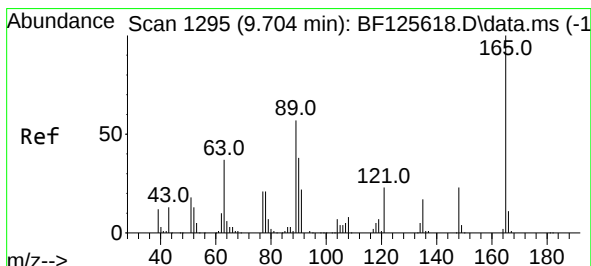
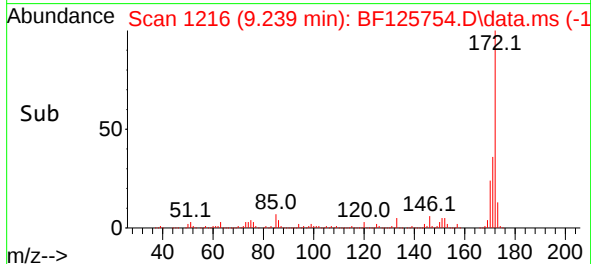
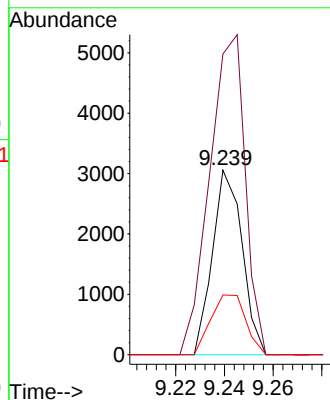
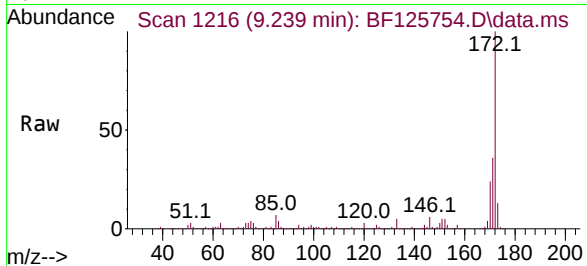




#48
2-Nitroaniline
Concen: 4.534 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.224 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

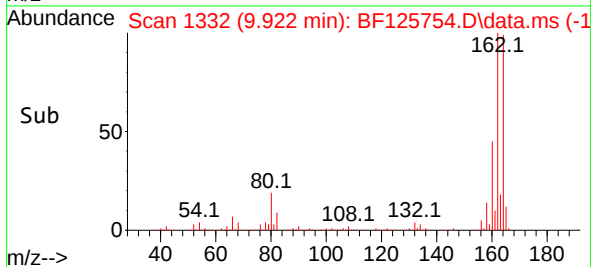
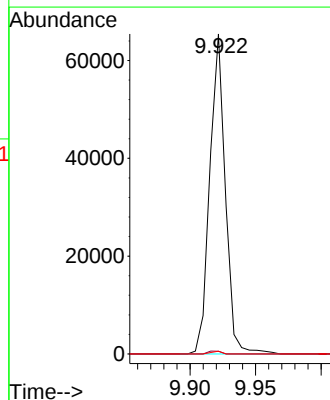
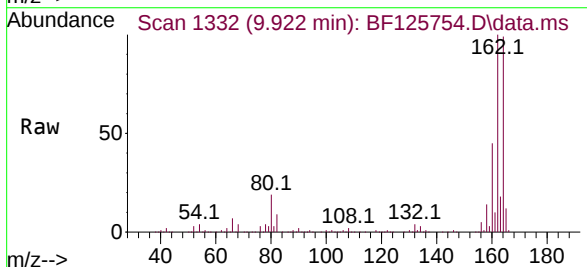
Instrument :
BNA_F
ClientSampleId :
290-359

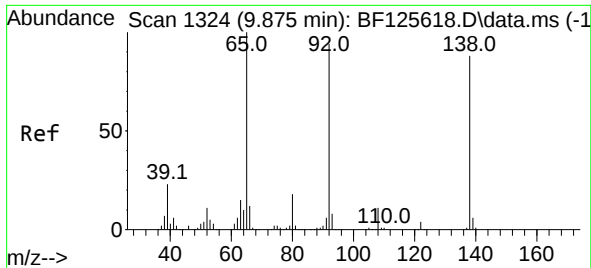
Tgt Ion: 65 Resp: 2591
Ion Ratio Lower Upper
65 100
92 163.0 55.5 83.3#
138 32.4 93.5 140.3#



#51
2,6-Dinitrotoluene
Concen: 12.387 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.218 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

Tgt Ion:165 Resp: 54097
Ion Ratio Lower Upper
165 100
63 0.8 42.6 63.8#
89 0.9 40.6 60.8#

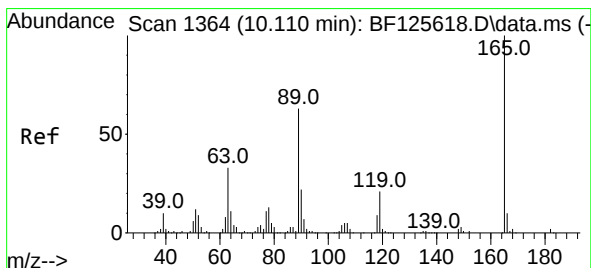
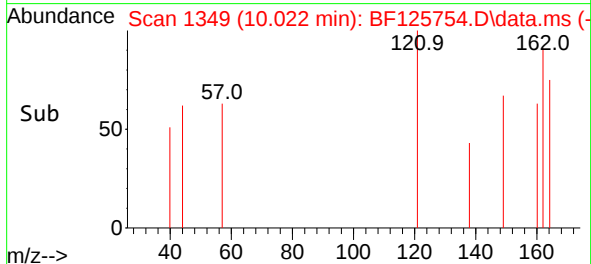
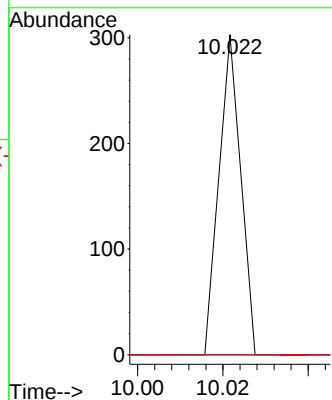
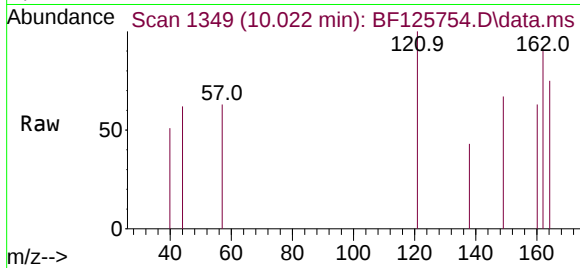




#53
3-Nitroaniline
Concen: 3.158 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.147 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

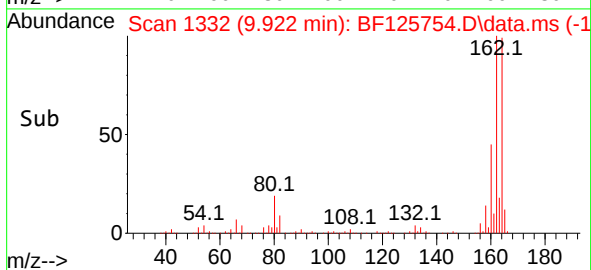
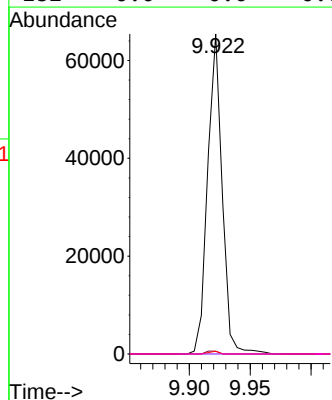
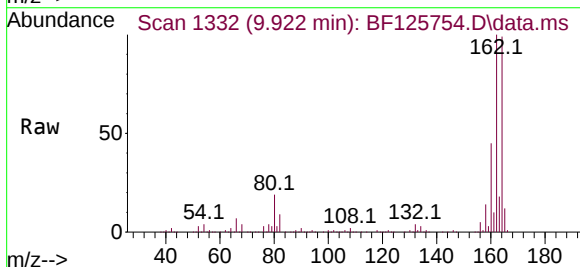
Instrument :
BNA_F
ClientSampleId :
290-359

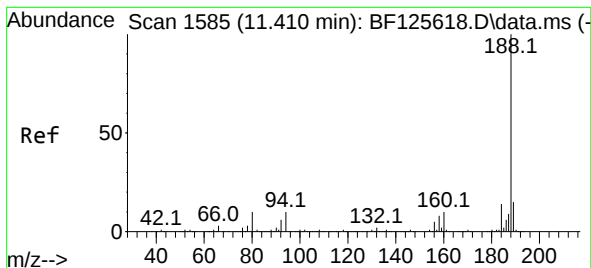
Tgt Ion:138 Resp: 107
Ion Ratio Lower Upper
138 100
108 0.0 9.3 13.9#
92 0.0 76.5 114.7#



#57
2,4-Dinitrotoluene
Concen: 11.330 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.188 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

Tgt Ion:165 Resp: 54098
Ion Ratio Lower Upper
165 100
63 0.8 40.9 61.3#
89 0.9 59.7 89.5#
182 0.0 0.0 0.0

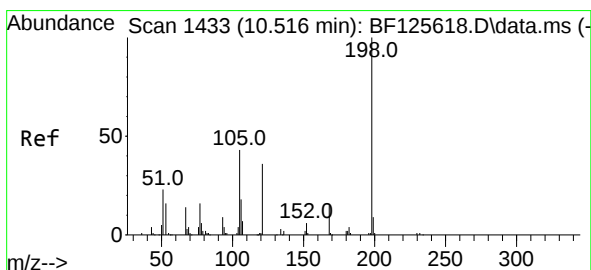
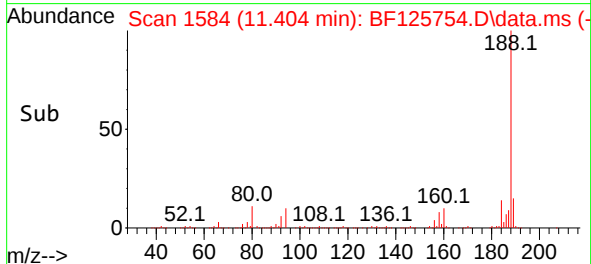
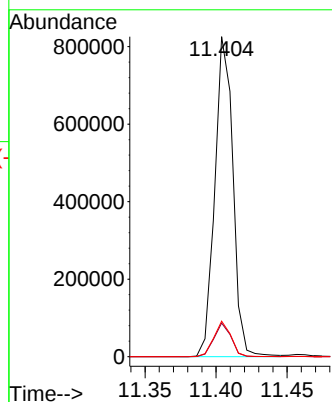
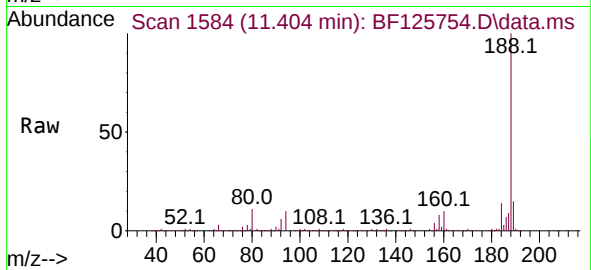




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

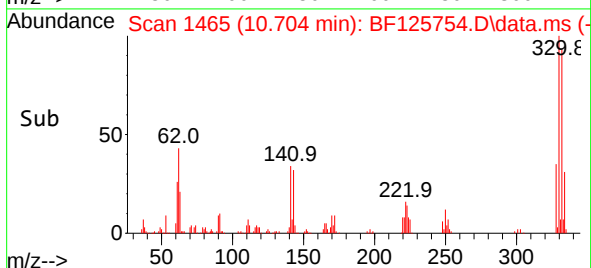
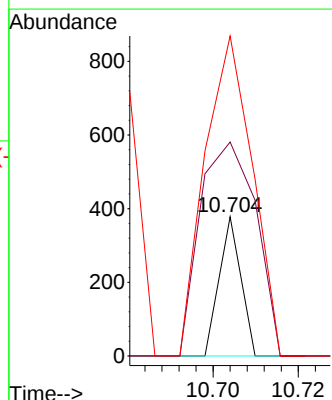
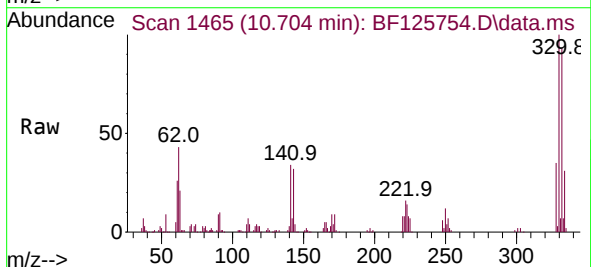
Instrument :
BNA_F
ClientSampleId :
290-359

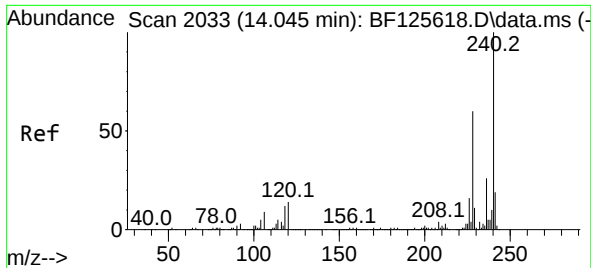
Tgt Ion:188 Resp: 733472
Ion Ratio Lower Upper
188 100
94 10.5 6.7 10.1#
80 11.1 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 9.043 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.188 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

Tgt Ion:198 Resp: 133
Ion Ratio Lower Upper
198 100
51 153.7 45.3 85.3#
105 229.9 30.6 70.6#

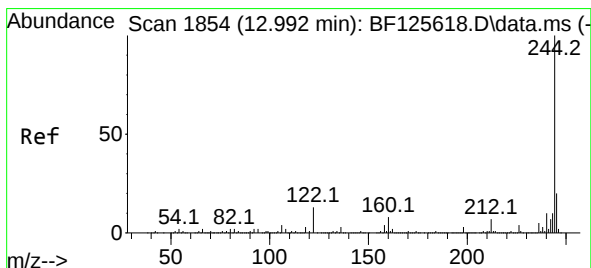
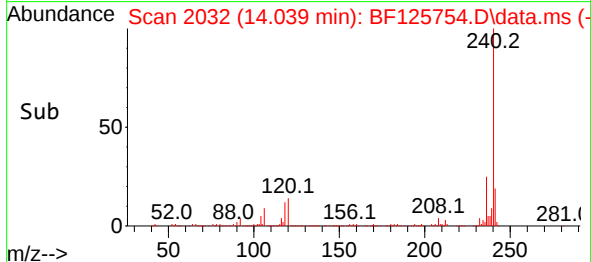
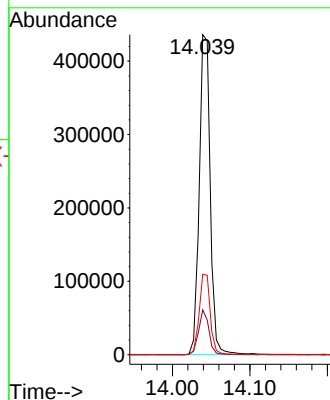
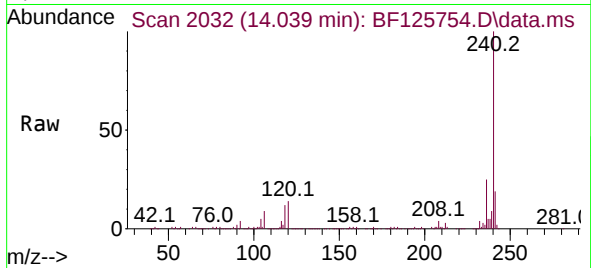




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

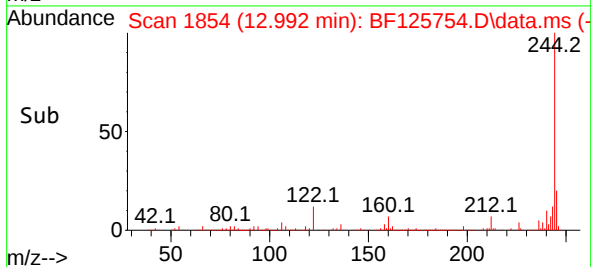
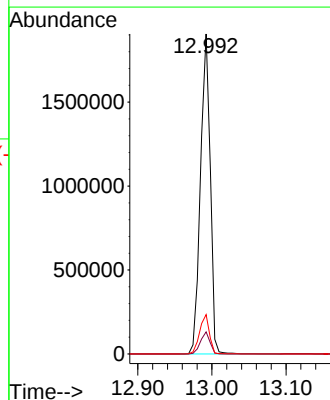
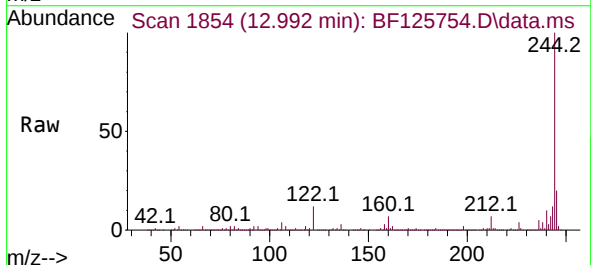
Instrument :
BNA_F
ClientSampleId :
290-359

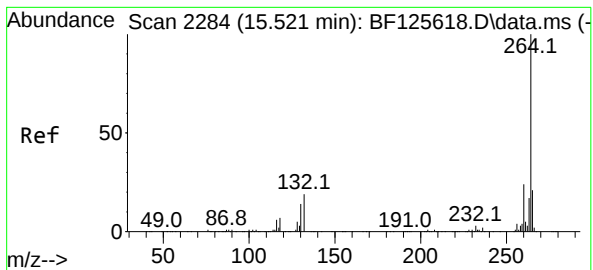
Tgt Ion:240 Resp: 429824
Ion Ratio Lower Upper
240 100
120 14.0 10.8 16.2
236 25.1 21.6 32.4



#79
Terphenyl-d14
Concen: 70.074 ng
RT: 12.992 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF125754.D
Acq: 1 Oct 2021 16:07

Tgt Ion:244 Resp: 1739237
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 12.3 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: BF125754.D
 Acq: 1 Oct 2021 16:07

Instrument :
 BNA_F
 ClientSampleId :
 290-359

Tgt Ion:264 Resp: 438123
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.6 29.4
 265 21.6 17.2 25.8

