

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090220\
 Data File : BF121516.D
 Acq On : 2 Sep 2020 16:17
 Operator : JU/CG
 Sample : PB131374BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB131374BL

Quant Time: Sep 02 17:59:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 17:52:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	331309	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1322712	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	717384	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	1415233	20.00	ng	0.00
76) Chrysene-d12	14.00	240	1277566	20.00	ng	-0.01
86) Perylene-d12	15.47	264	1332142	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	2681792	135.81	ng	0.00
7) Phenol-d6	6.47	99	3503499	126.96	ng	0.00
23) Nitrobenzene-d5	7.41	82	2285501	118.13	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	1280427	176.71	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	3844882	86.48	ng	0.00
79) Terphenyl-d14	12.96	244	4652462	76.66	ng	0.00

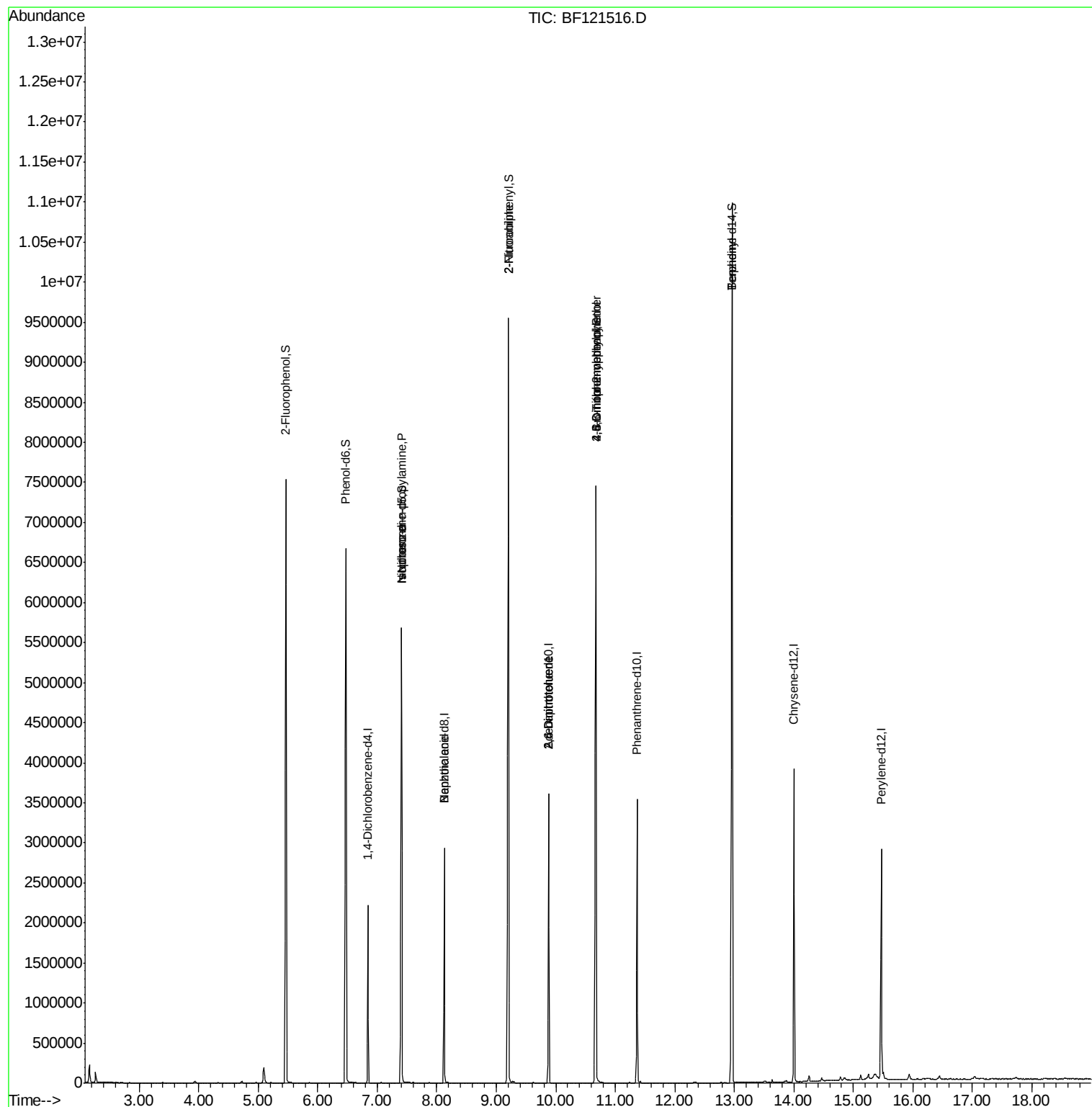
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.47	77	5257	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.41	70	306251	19.858	ng	# 78
25) Isophorone	7.41	82	2268194	52.122	ng	# 63
32) Benzoic acid	8.13	122	247	6.688	ng	# 1
48) 2-Nitroaniline	9.20	65	6547	7.099	ng	# 1
51) 2,6-Dinitrotoluene	9.88	165	93924	15.229	ng	# 23
57) 2,4-Dinitrotoluene	9.88	165	93924	14.285	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.67	198	2416	6.419	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	72422	4.652	ng	# 1
77) Benzidine	12.96	184	65427	2.348	ng	# 89

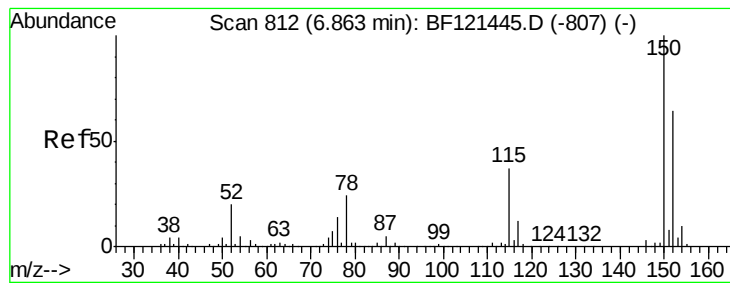
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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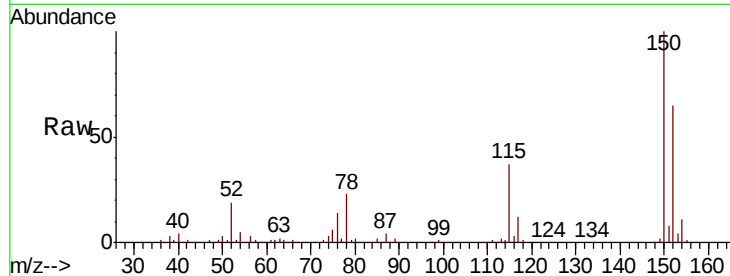




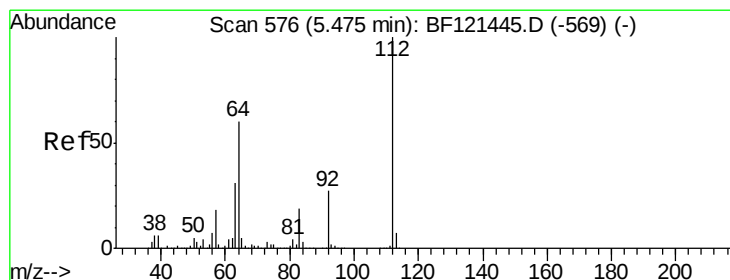
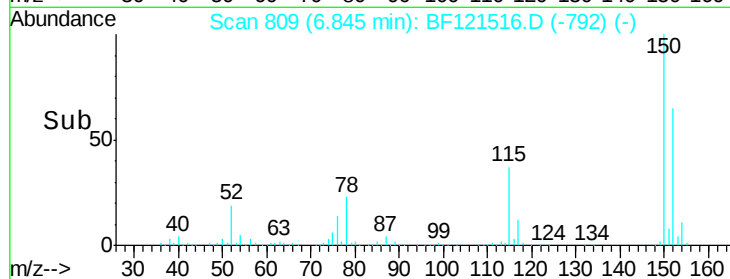
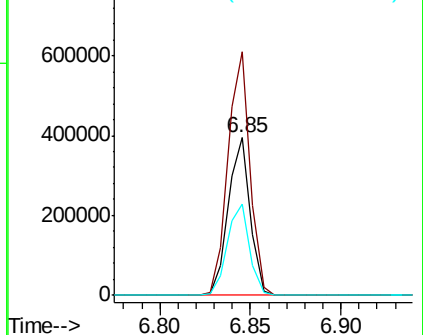
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF121516.D
 Acq: 2 Sep 2020 16:17

Instrument :
 BNA_F
 ClientSampleId :
 PB131374BL

Tot Ion:152 Resp: 331309
 Ion Ratio Lower Upper
 152 100
 150 154.6 126.1 189.1
 115 57.7 48.4 72.6

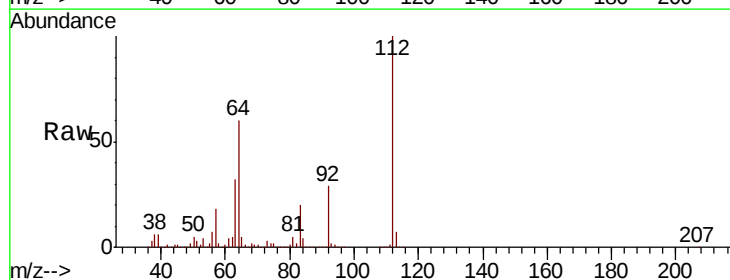


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

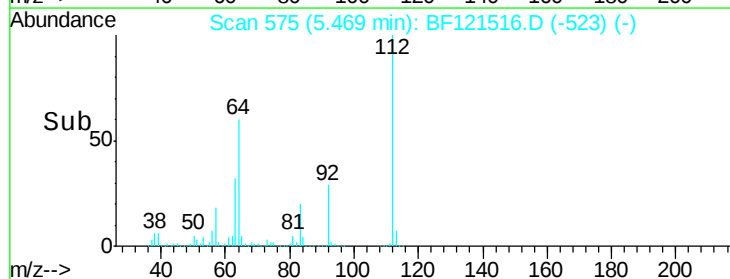
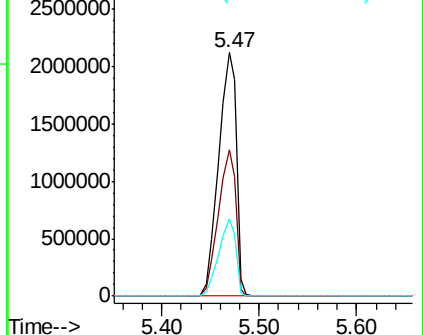


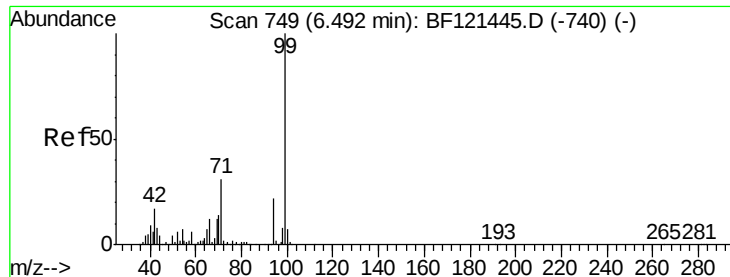
#5
 2-Fluorophenol
 Concen: 135.806 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF121516.D
 Acq: 2 Sep 2020 16:17

Tgt Ion:112 Resp: 2681792
 Ion Ratio Lower Upper
 112 100
 64 60.3 46.0 69.0
 63 31.7 23.4 35.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 126.956 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF121516.D

Acq: 2 Sep 2020 16:17

Instrument :

BNA_F

ClientSampleId :

PB131374BL

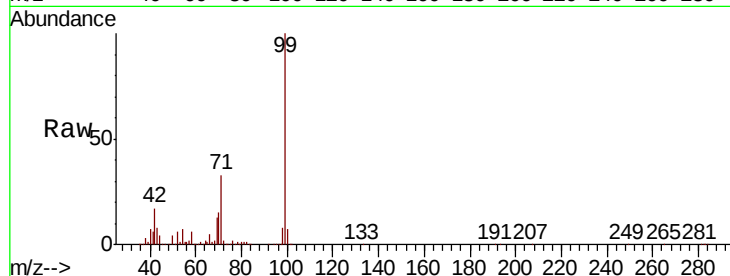
Tot Ion: 99 Resp: 3503499

Ion Ratio Lower Upper

99 100

42 16.8 13.0 19.4

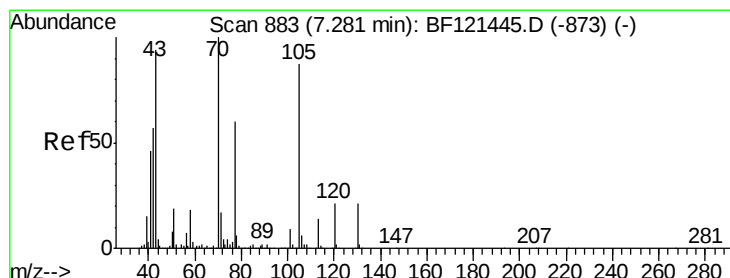
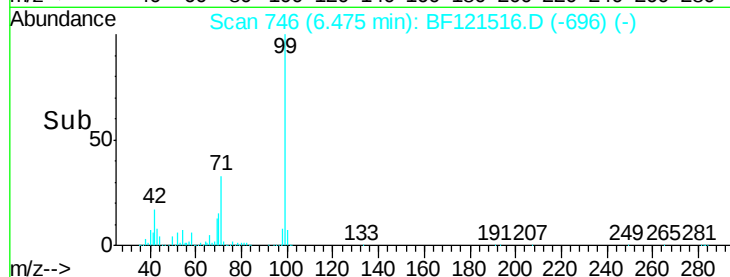
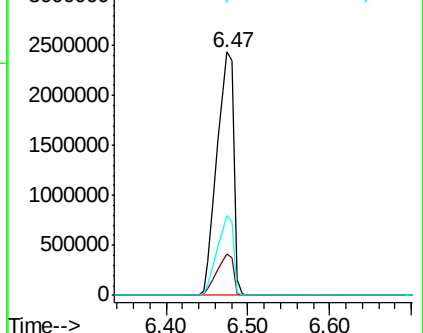
71 33.0 24.8 37.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 19.858 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF121516.D

Acq: 2 Sep 2020 16:17

Tgt Ion: 70 Resp: 306251

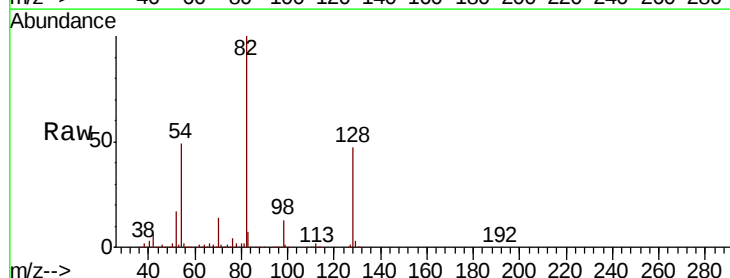
Ion Ratio Lower Upper

70 100

42 43.6 42.0 63.0

101 0.0 8.1 12.1#

130 2.2 18.3 27.5#

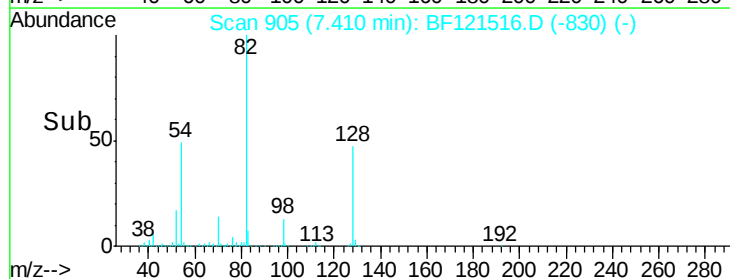
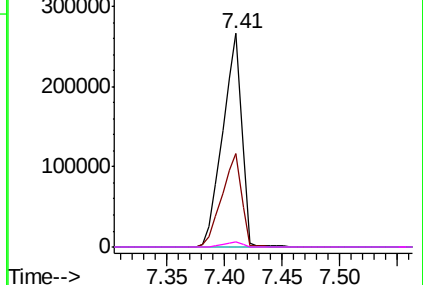


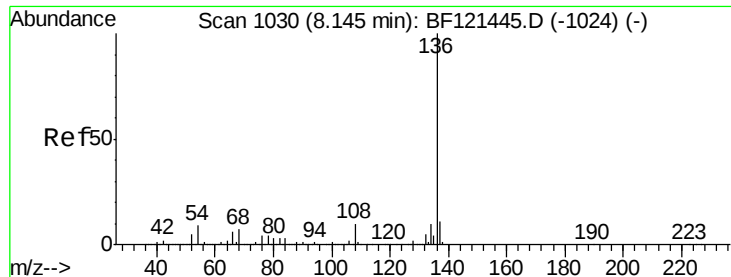
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF121516.D

Acq: 2 Sep 2020 16:17

Instrument :

BNA_F

ClientSampleId :

PB131374BL

Tot Ion:136 Resp: 1322712

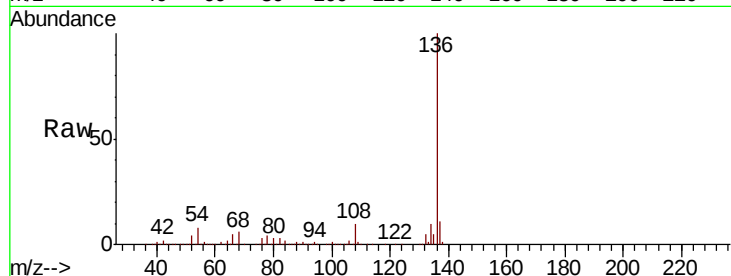
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.8 6.2 9.4

68 6.4 5.1 7.7

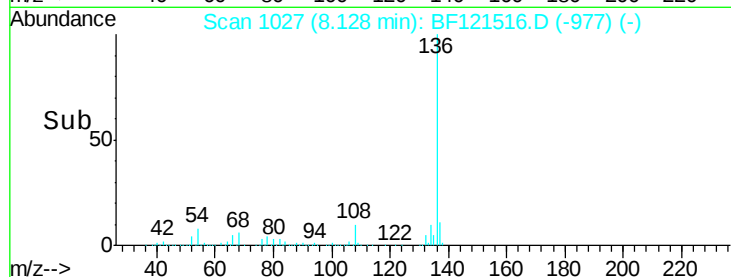


Abundance Ion 136.00 (135.70 to 136.70): E

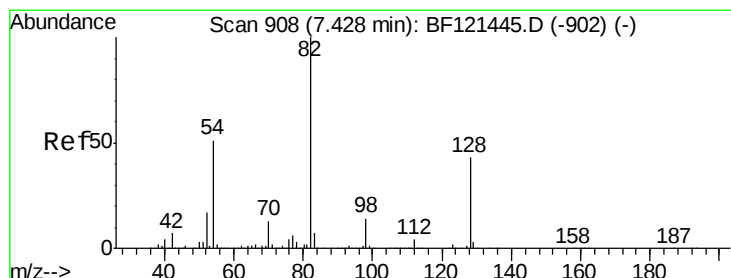
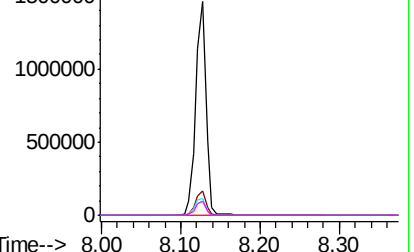
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time--> 8.00 8.10 8.20 8.30



#23

Nitrobenzene-d5

Concen: 118.128 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF121516.D

Acq: 2 Sep 2020 16:17

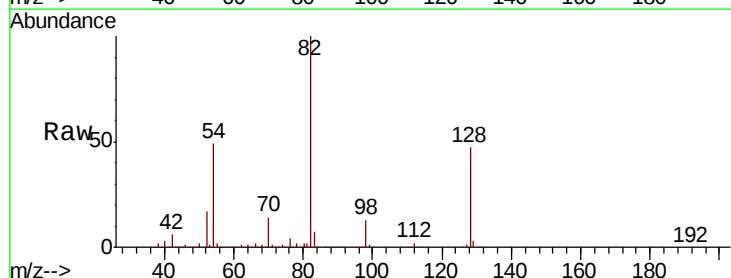
Tgt Ion: 82 Resp: 2285501

Ion Ratio Lower Upper

82 100

128 46.9 37.3 55.9

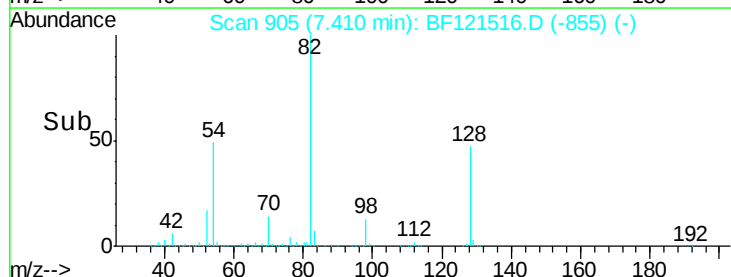
54 49.4 39.0 58.6



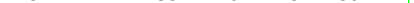
Abundance Ion 82.00 (81.70 to 82.70): BF1

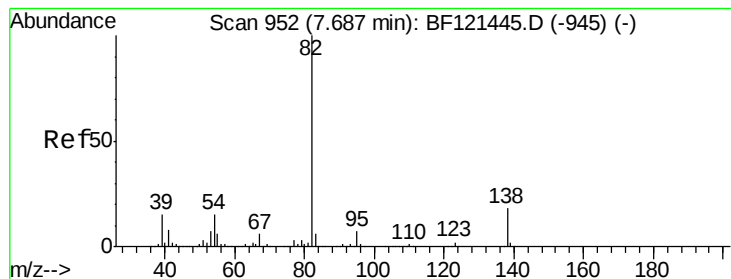
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time--> 7.35 7.40 7.45 7.50





#25

Isophorone

Concen: 52.122 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF121516.D

Acq: 2 Sep 2020 16:17

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ClientSampleId :

PB131374BL

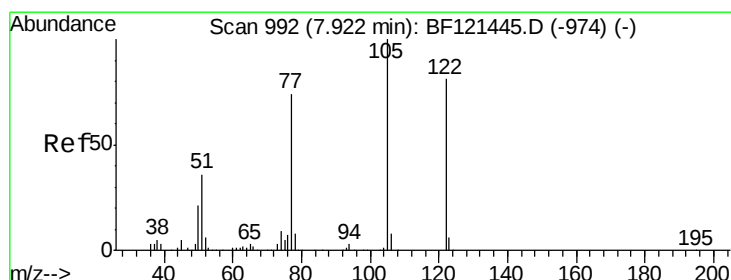
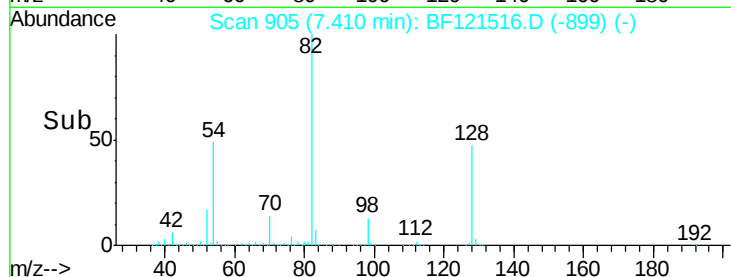
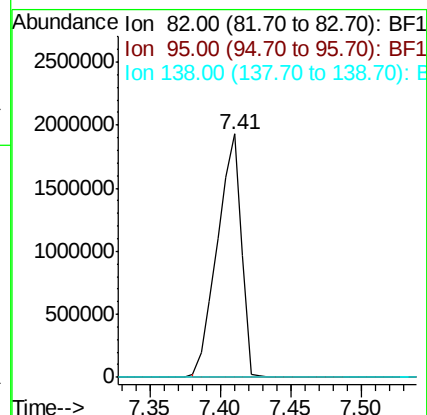
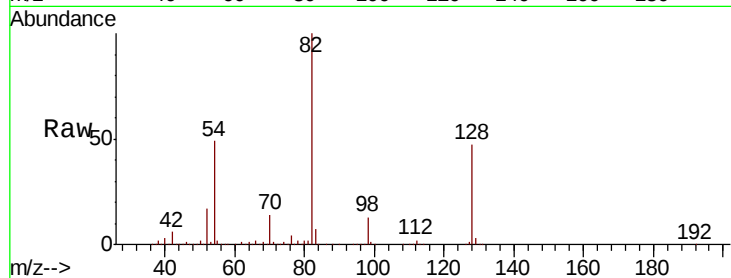
Tot Ion: 82 Resp: 2268194

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.6 23.4#



#32

Benzoic acid

Concen: 6.688 ng

RT: 8.13 min Scan# 1027

Delta R.T. 0.21 min

Lab File: BF121516.D

Acq: 2 Sep 2020 16:17

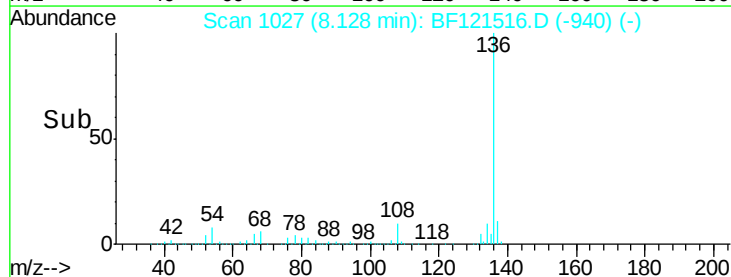
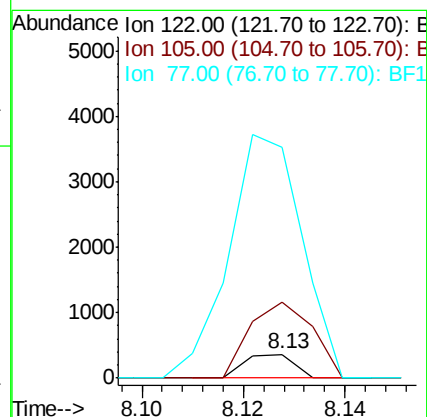
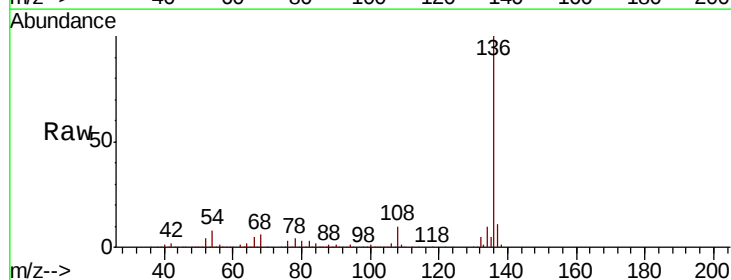
Tgt Ion: 122 Resp: 247

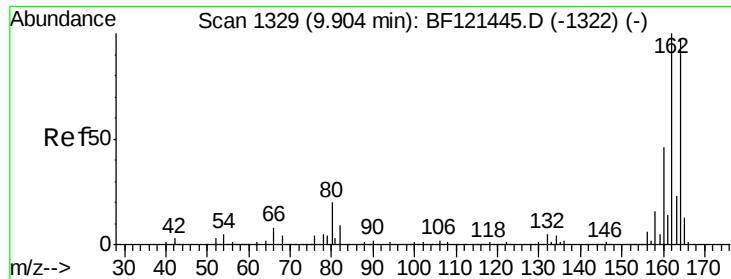
Ion Ratio Lower Upper

122 100

105 313.4 102.2 142.2#

77 962.7 69.8 109.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF121516.D

Acq: 2 Sep 2020 16:17

Instrument :

BNA_F

ClientSampleId :

PB131374BL

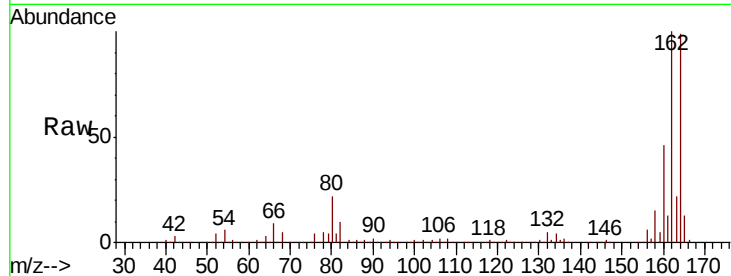
Tot Ion:164 Resp: 717384

Ion Ratio Lower Upper

164 100

162 100.9 80.5 120.7

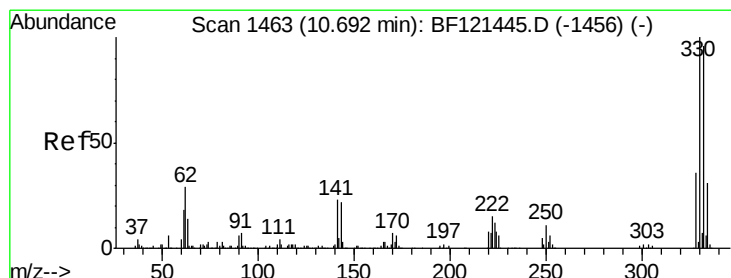
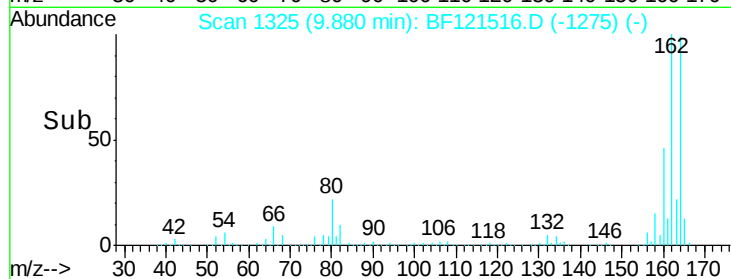
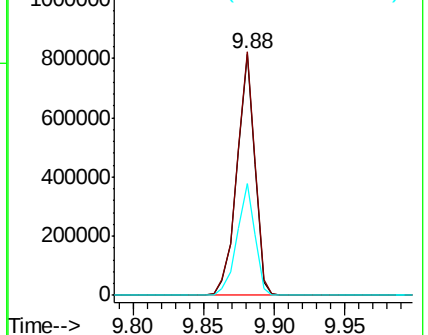
160 46.4 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 176.709 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF121516.D

Acq: 2 Sep 2020 16:17

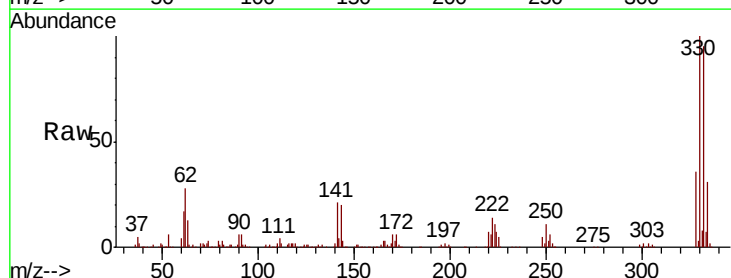
Tgt Ion:330 Resp: 1280427

Ion Ratio Lower Upper

330 100

332 95.3 76.2 114.2

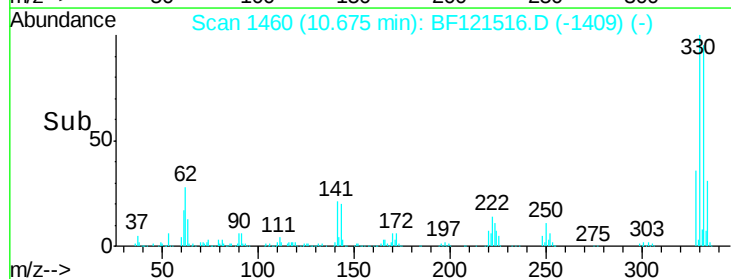
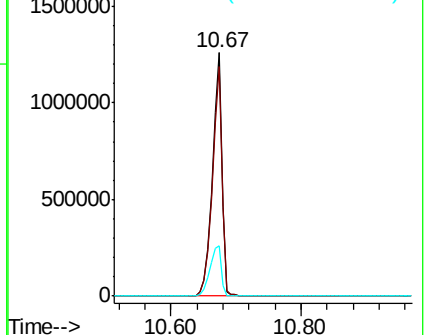
141 24.9 22.6 34.0

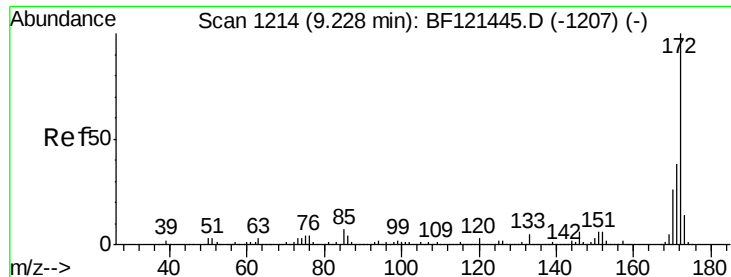


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

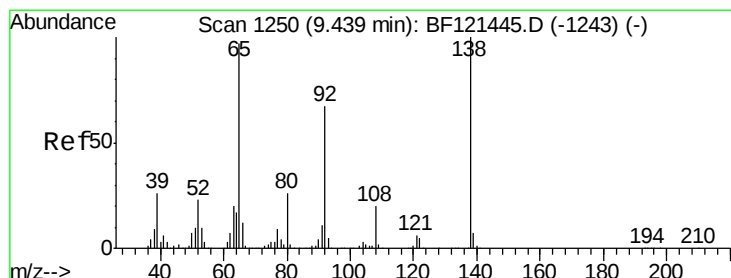
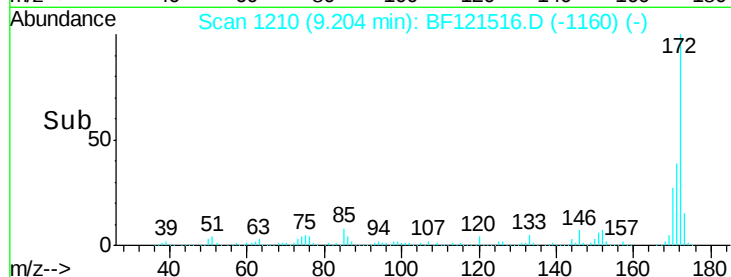
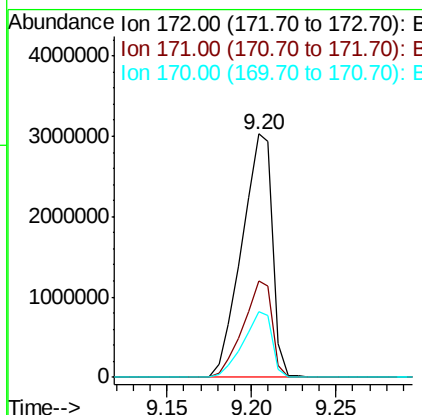
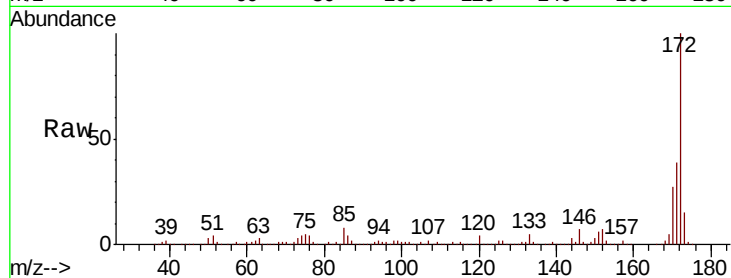




#45
 2-Fluorobiphenyl
 Concen: 86.478 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF121516.D
 Acq: 2 Sep 2020 16:17

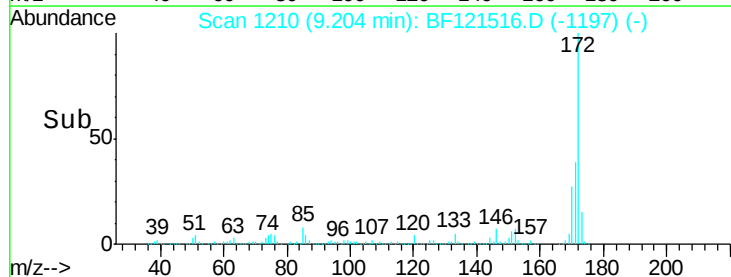
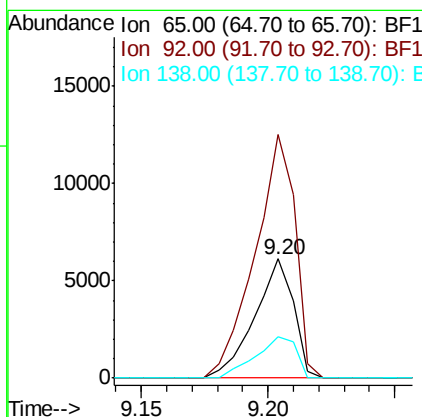
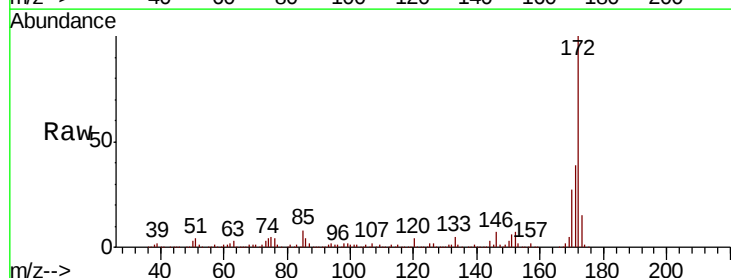
Instrument :
 BNA_F
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 PB131374BL

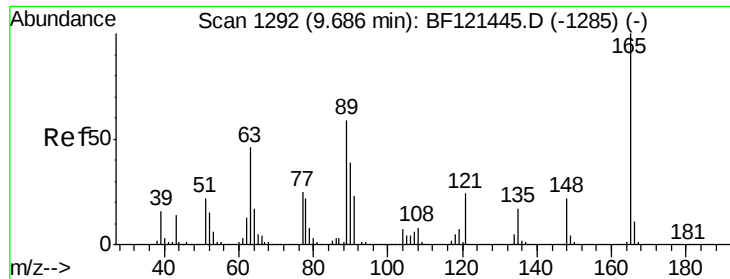
Tot Ion:172 Resp: 3844882
 Ion Ratio Lower Upper
 172 100
 171 39.4 30.4 45.6
 170 26.7 20.7 31.1



#48
 2-Nitroaniline
 Concen: 7.099 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.22 min
 Lab File: BF121516.D
 Acq: 2 Sep 2020 16:17

Tgt Ion: 65 Resp: 6547
 Ion Ratio Lower Upper
 65 100
 92 204.8 58.6 87.8#
 138 34.6 88.6 133.0#

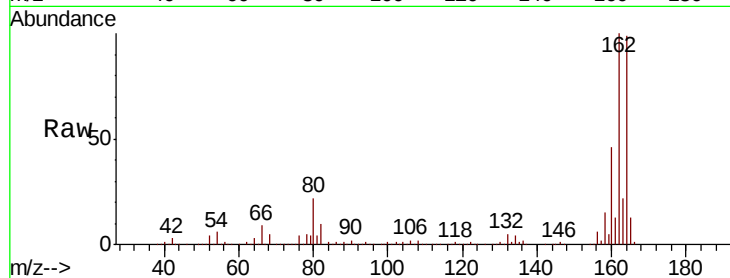




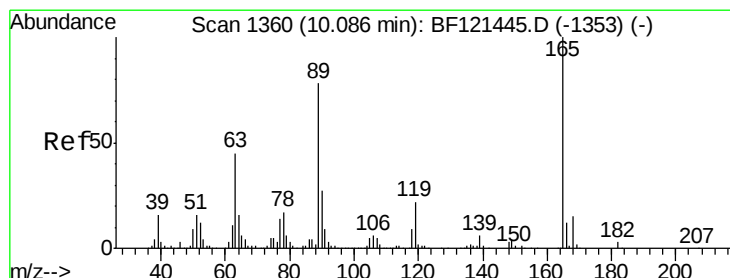
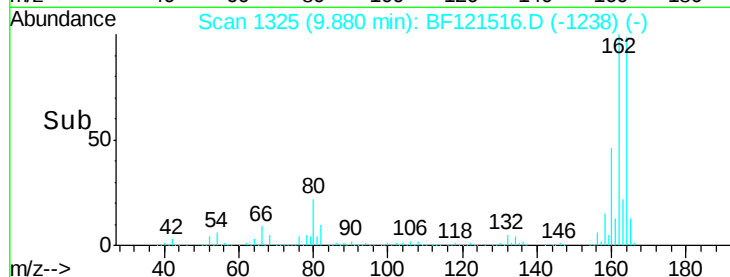
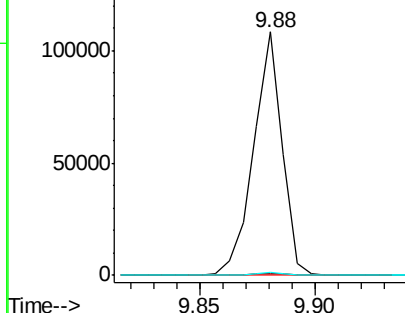
#51
 2,6-Dinitrotoluene
 Concen: 15.229 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.21 min
 Lab File: BF121516.D
 Acq: 2 Sep 2020 16:17

Instrument :
 BNA_F
 ClientSampleId :
 PB131374BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	47.4	71.0#
89	1.4	47.9	71.9#



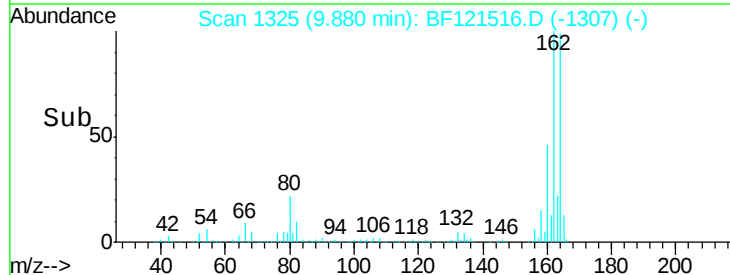
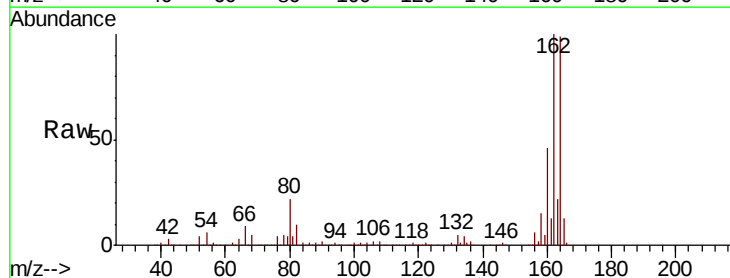
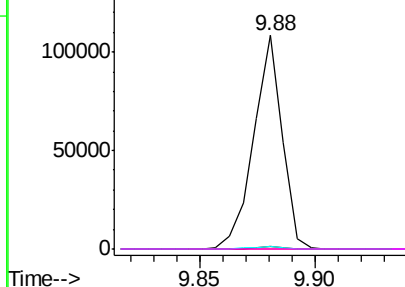
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

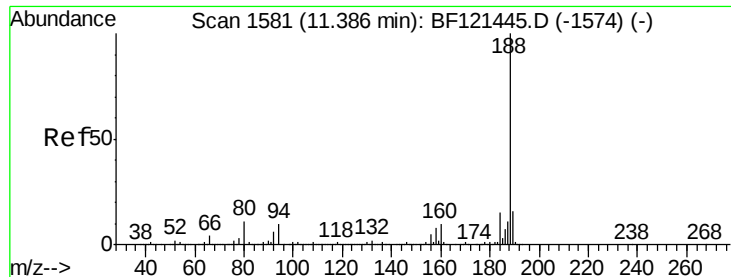


#57
 2,4-Dinitrotoluene
 Concen: 14.285 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF121516.D
 Acq: 2 Sep 2020 16:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	33.6	50.4#
89	1.4	56.4	84.6#
182	0.0	2.2	3.4#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BF121516.D

Acq: 2 Sep 2020 16:17

Instrument :

BNA_F

ClientSampleId :

PB131374BL

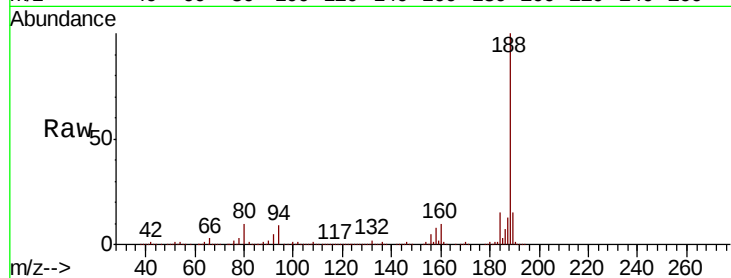
Tot Ion:188 Resp: 1415233

Ion Ratio Lower Upper

188 100

94 9.4 8.8 13.2

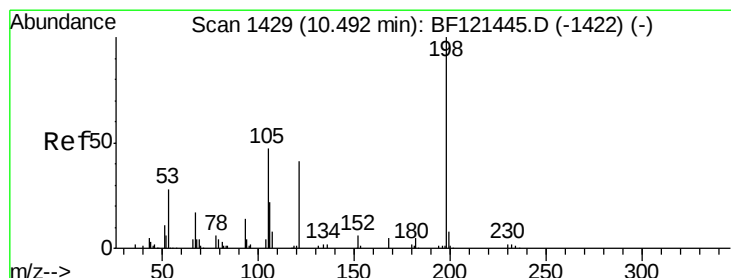
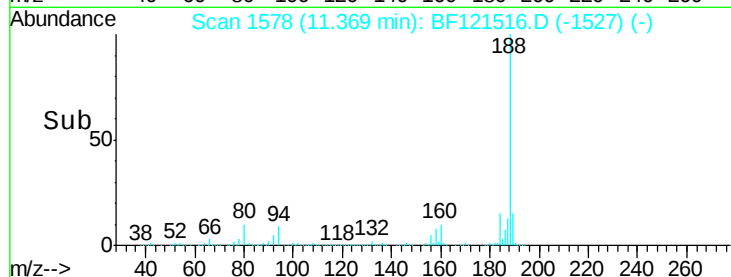
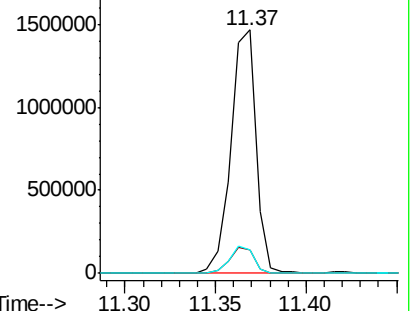
80 9.6 9.1 13.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 6.419 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.19 min

Lab File: BF121516.D

Acq: 2 Sep 2020 16:17

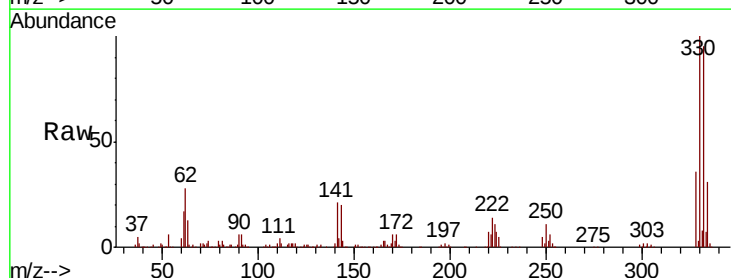
Tgt Ion:198 Resp: 2416

Ion Ratio Lower Upper

198 100

51 123.8 24.9 64.9#

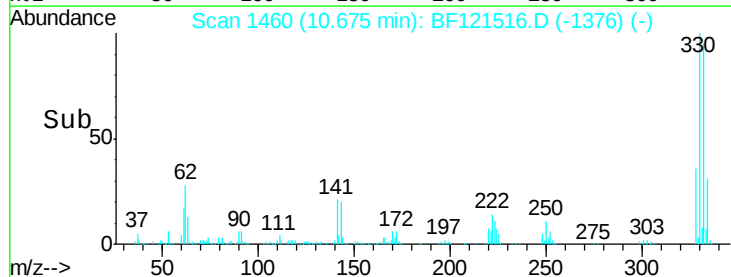
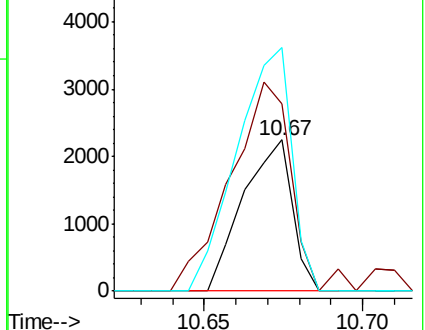
105 161.0 25.8 65.8#

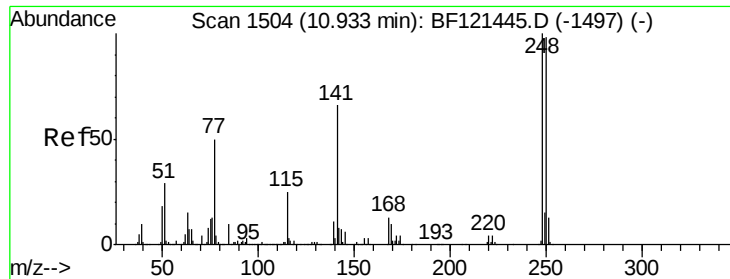


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

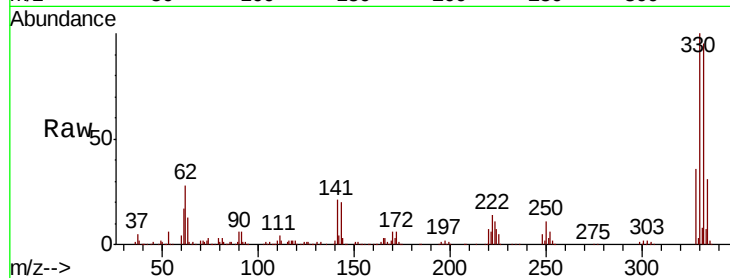




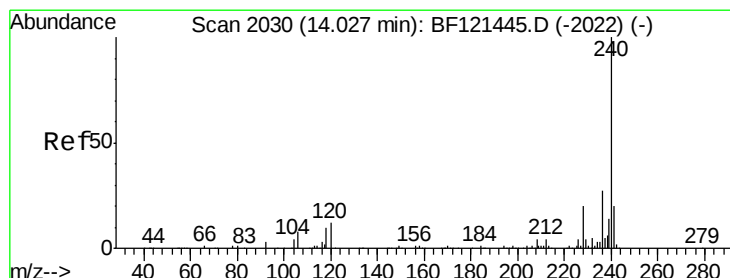
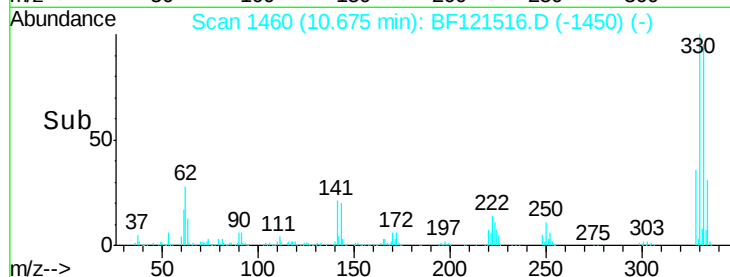
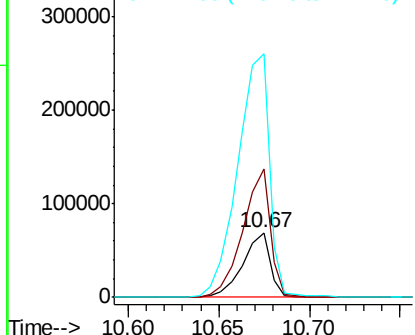
#67
 4-Bromophenyl-phenylether
 Concen: 4.652 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF121516.D
 Acq: 2 Sep 2020 16:17

Instrument :
 BNA_F
 ClientSampleId :
 PB131374BL

Tot Ion:248 Resp: 72422
 Ion Ratio Lower Upper
 248 100
 250 198.4 77.8 116.6#
 141 375.7 56.4 84.6#

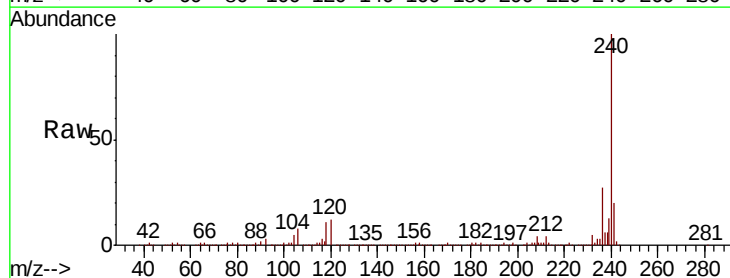


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

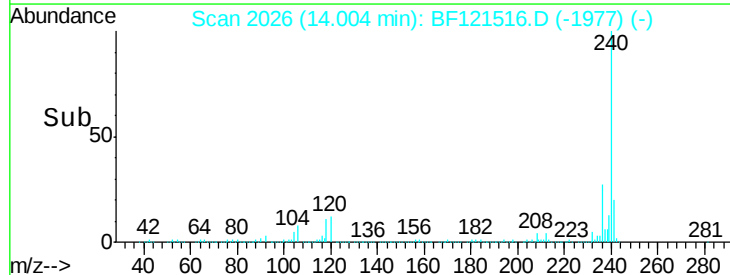
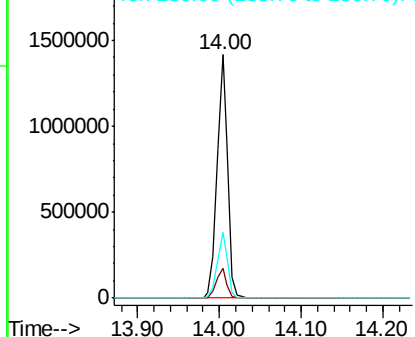


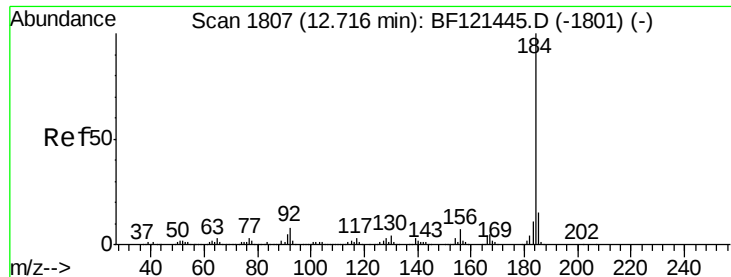
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF121516.D
 Acq: 2 Sep 2020 16:17

Tgt Ion:240 Resp: 1277566
 Ion Ratio Lower Upper
 240 100
 120 12.2 8.0 12.0#
 236 27.2 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.348 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.26 min

Lab File: BF121516.D

Acq: 2 Sep 2020 16:17

Instrument :

BNA_F

ClientSampleId :

PB131374BL

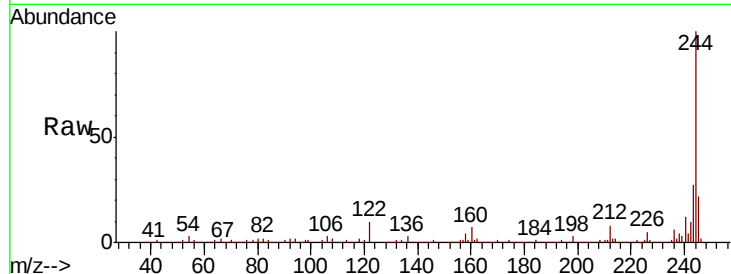
Tot Ion:184 Resp: 65427

Ion Ratio Lower Upper

184 100

185 19.1 11.5 17.3#

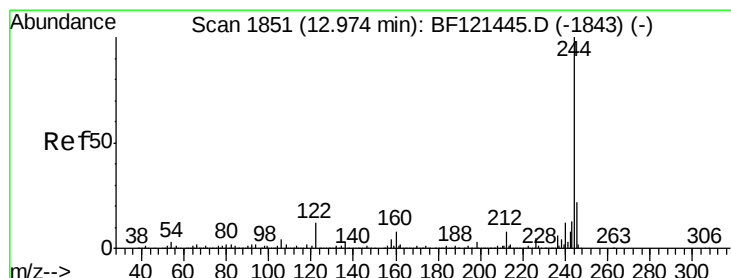
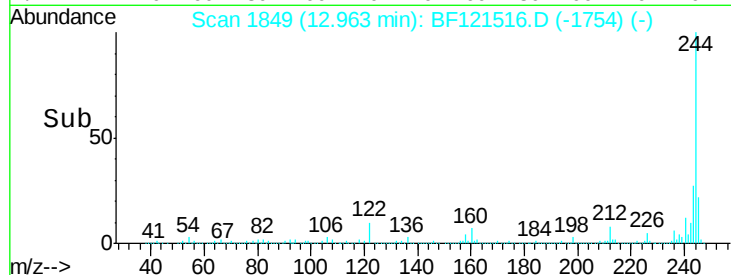
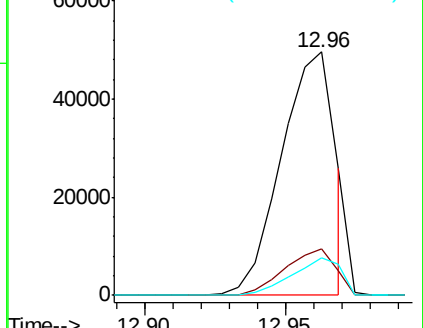
183 15.5 9.0 13.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 76.655 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF121516.D

Acq: 2 Sep 2020 16:17

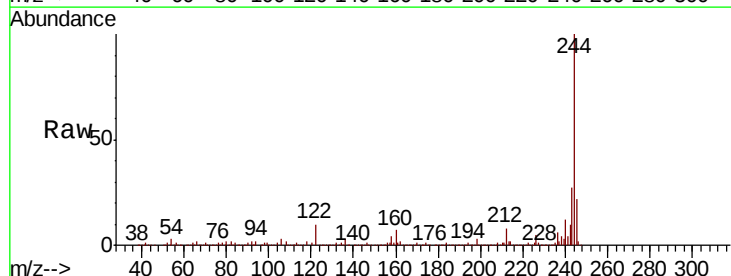
Tgt Ion:244 Resp: 4652462

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

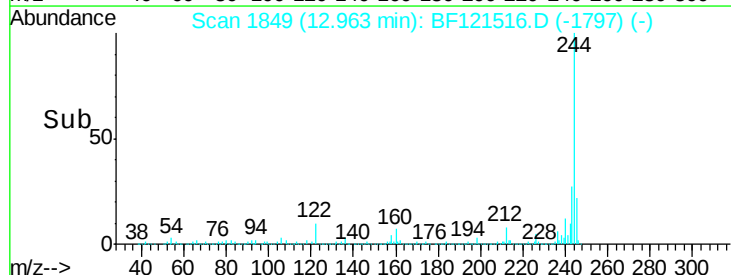
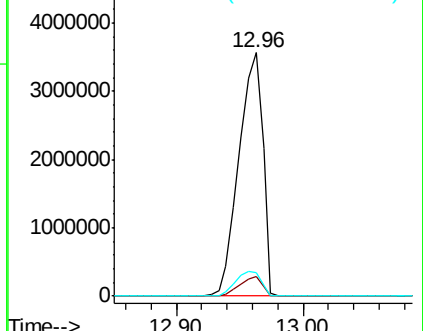
122 9.9 9.3 13.9

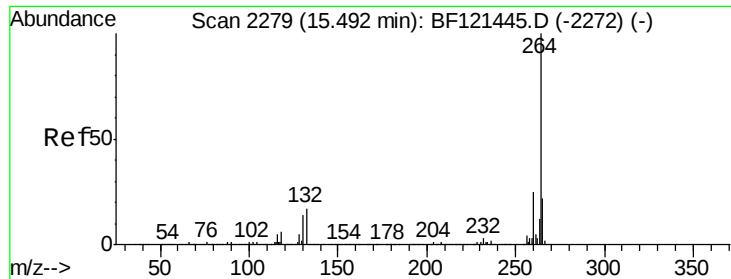


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



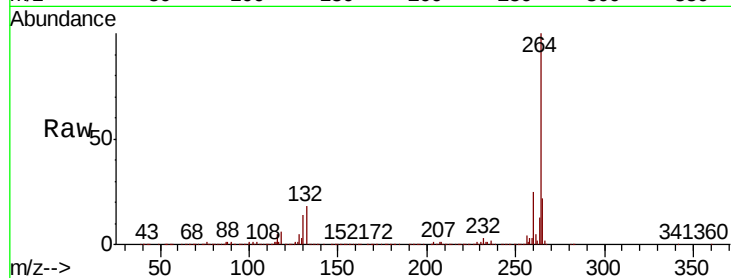


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF121516.D
Acq: 2 Sep 2020 16:17

Instrument :
BNA_F
ClientSampleId :
PB131374BL

Tot Ion:264 Resp: 1332142

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	22.2	17.4	26.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

