

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072020\
 Data File : BF120940.D
 Acq On : 20 Jul 2020 18:44
 Operator : JU/CG
 Sample : PB130317TB
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB130317TB

Quant Time: Jul 21 00:38:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	202343	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	795532	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	418953	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	824075	20.00	ng	0.00
76) Chrysene-d12	13.97	240	721269	20.00	ng	0.00
86) Perylene-d12	15.42	264	641908	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1351933	109.53	ng	0.02
7) Phenol-d6	6.45	99	1629509	102.20	ng	0.00
23) Nitrobenzene-d5	7.38	82	1046004	76.08	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	498569	108.72	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1889252	67.33	ng	0.00
79) Terphenyl-d14	12.93	244	1970777	59.40	ng	0.00

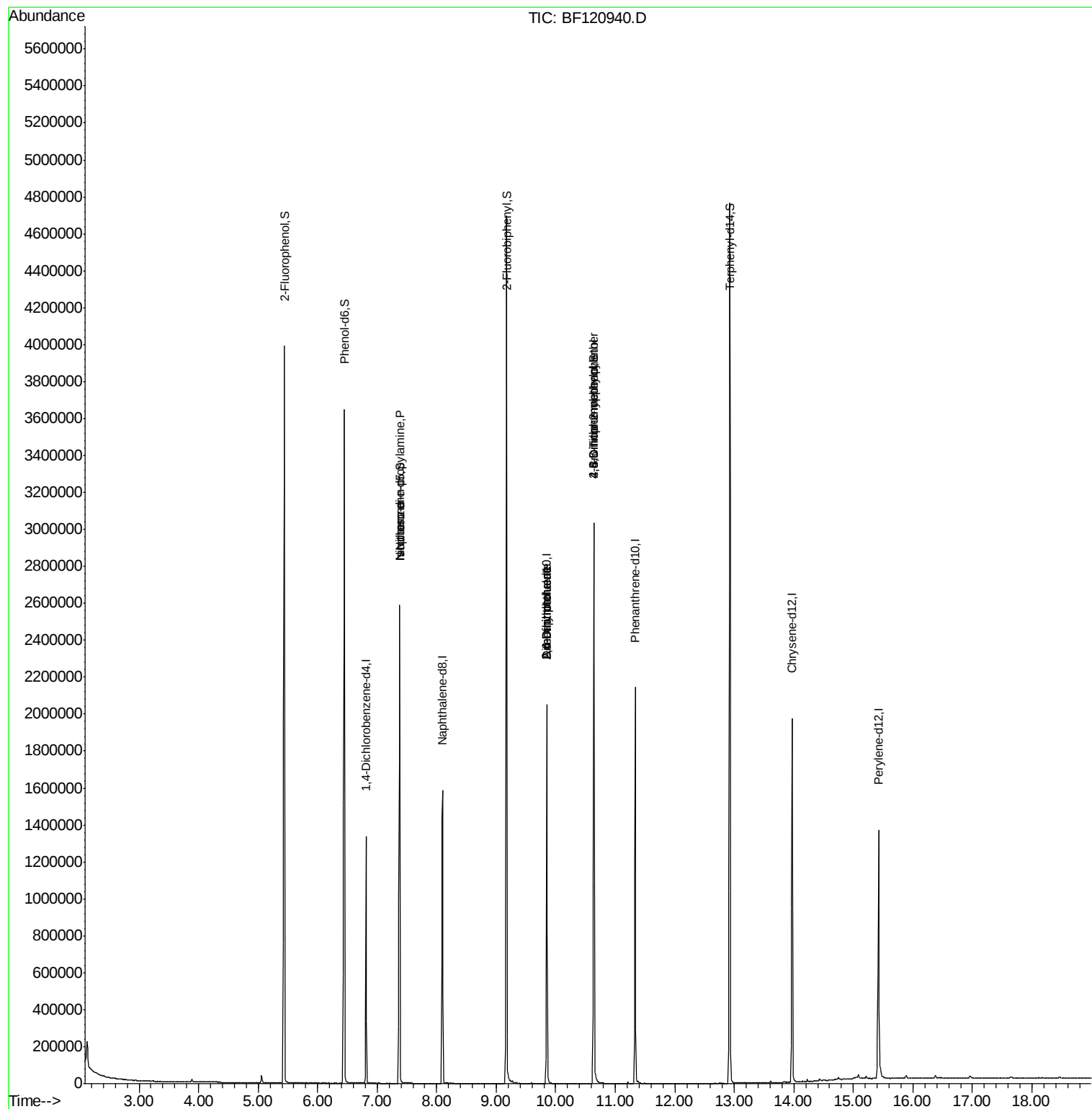
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	2452	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	139359	15.371	ng	# 77
25) Isophorone	7.38	82	1036840	37.787	ng	# 63
50) Dimethylphthalate	9.85	163	88996	2.944	ng	# 1
51) 2,6-Dinitrotoluene	9.85	165	54456	8.386	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	54456	6.386	ng	# 28
65) 4,6-Dinitro-2-methylphenol	10.64	198	1048	4.045	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	28459	3.097	ng	# 1

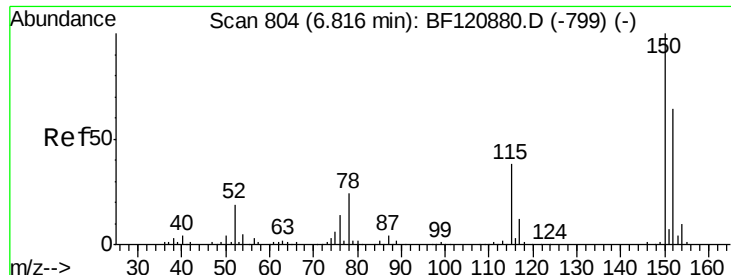
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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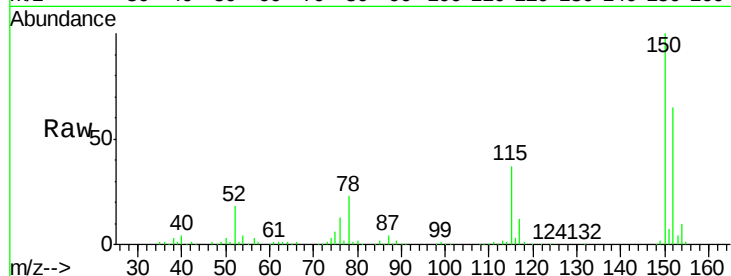


#1

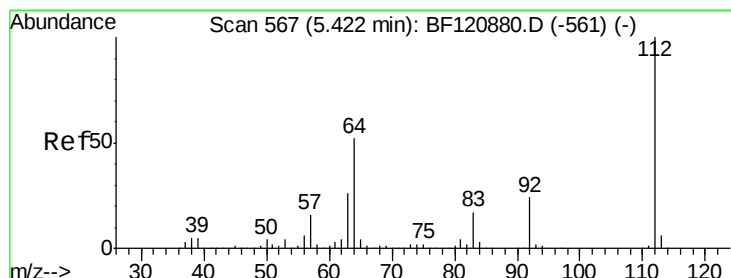
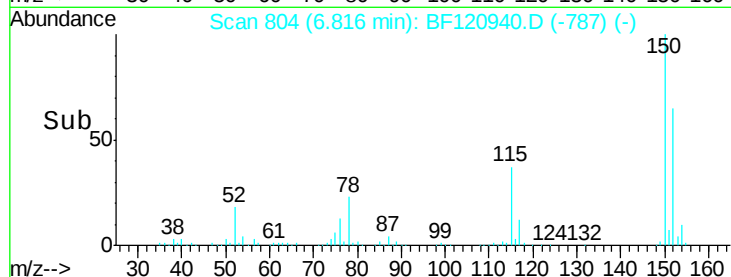
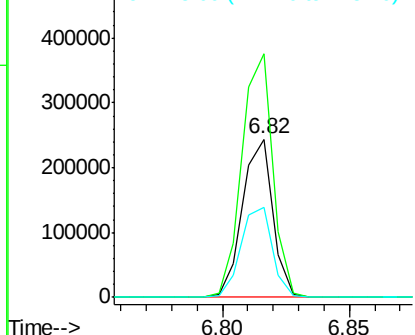
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF120940.D
Acq: 20 Jul 2020 18:44

Instrument :
BNA_F
ClientSampleId :
PB130317TB

Tot Ion:152 Resp: 202343
Ion Ratio Lower Upper
152 100
150 154.1 125.0 187.6
115 57.0 47.0 70.4



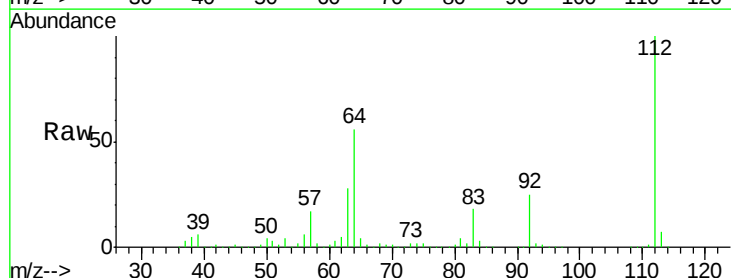
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



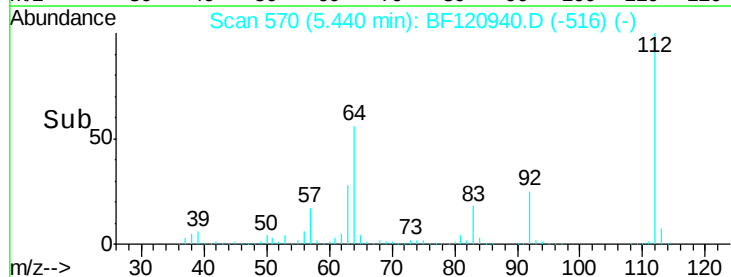
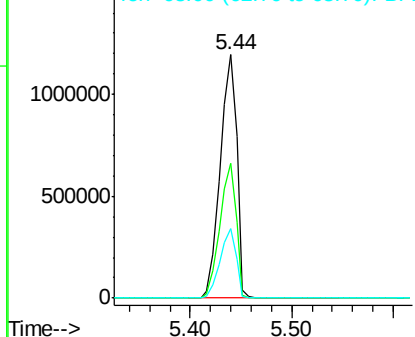
#5

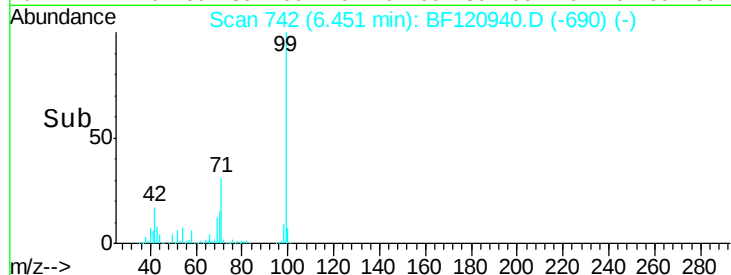
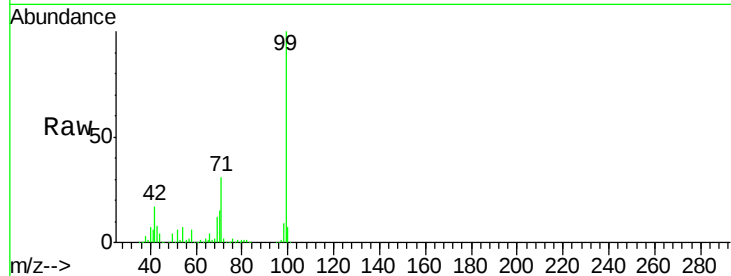
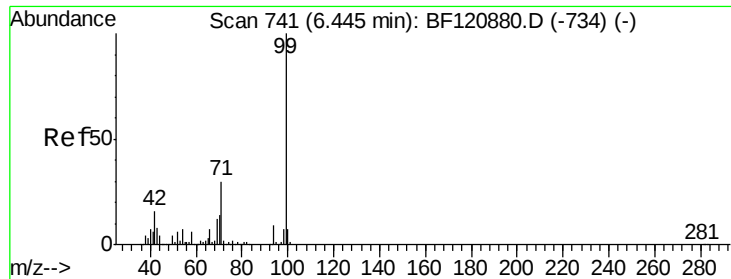
2-Fluorophenol
Concen: 109.532 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF120940.D
Acq: 20 Jul 2020 18:44

Tgt Ion:112 Resp: 1351933
Ion Ratio Lower Upper
112 100
64 55.5 41.3 61.9
63 28.3 21.1 31.7



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: 102.203 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF120940.D

Acq: 20 Jul 2020 18:44

Instrument :

BNA_F

ClientSampleId :

PB130317TB

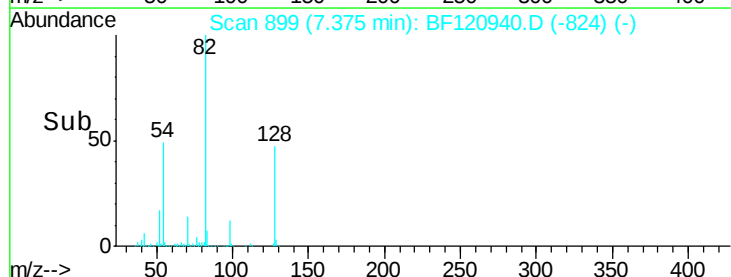
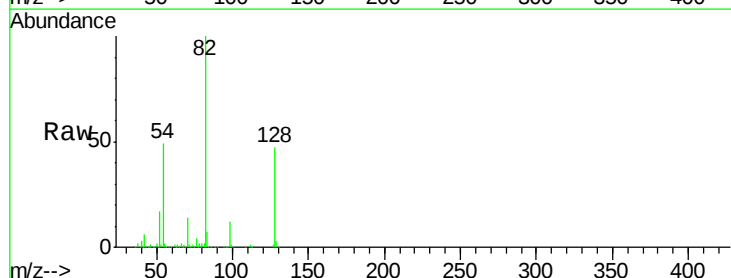
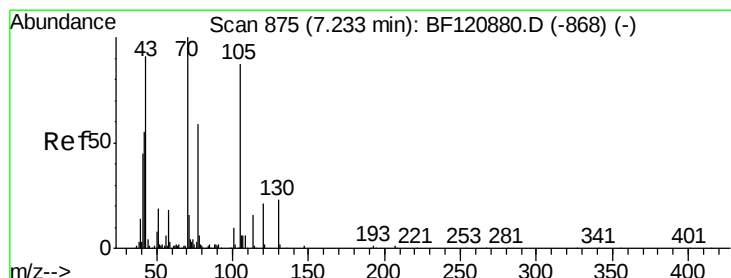
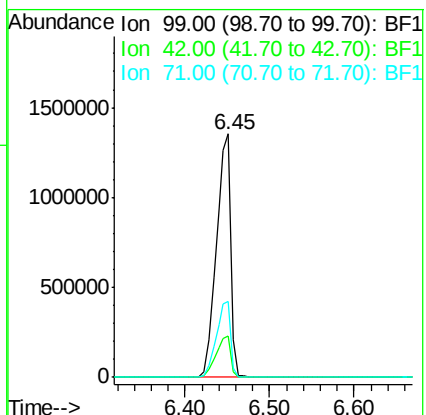
Tot Ion: 99 Resp: 1629509

Ion Ratio Lower Upper

99 100

42 16.8 13.1 19.7

71 31.1 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.371 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF120940.D

Acq: 20 Jul 2020 18:44

Tgt Ion: 70 Resp: 139359

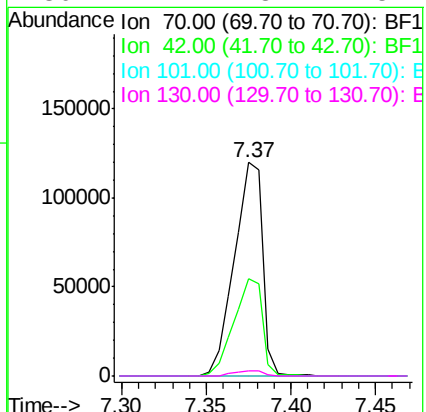
Ion Ratio Lower Upper

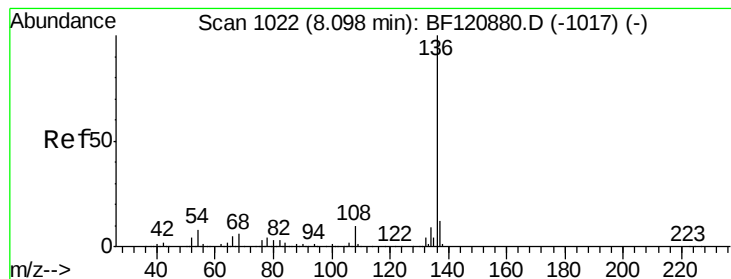
70 100

42 45.4 44.0 66.0

101 0.0 7.8 11.6#

130 2.2 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF120940.D

Acq: 20 Jul 2020 18:44

Instrument :

BNA_F

ClientSampleId :

PB130317TB

Tot Ion:136 Resp: 795532

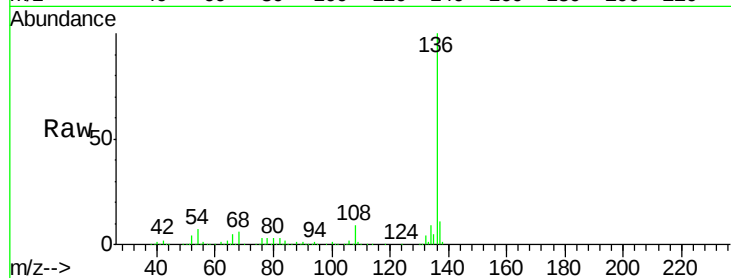
Ion Ratio Lower Upper

136 100

137 10.9 9.3 13.9

54 6.8 6.3 9.5

68 5.6 5.0 7.4

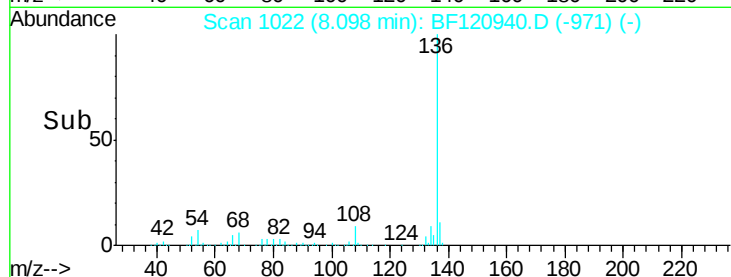


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

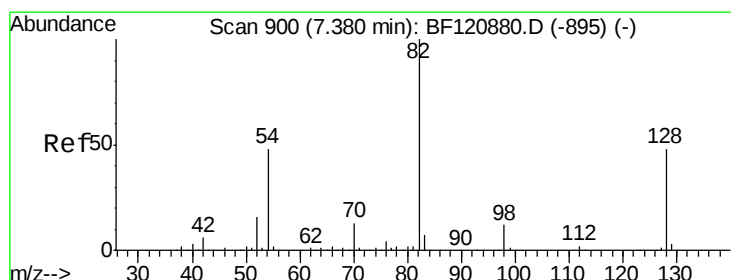
Ion 68.00 (67.70 to 68.70): BF1



Abundance

8.10

Time-->



#23

Nitrobenzene-d5

Concen: 76.081 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF120940.D

Acq: 20 Jul 2020 18:44

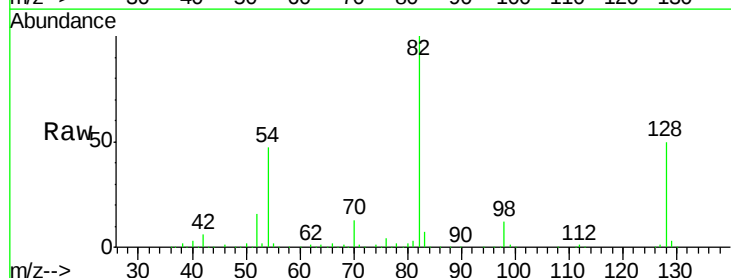
Tgt Ion: 82 Resp: 1046004

Ion Ratio Lower Upper

82 100

128 50.5 38.2 57.4

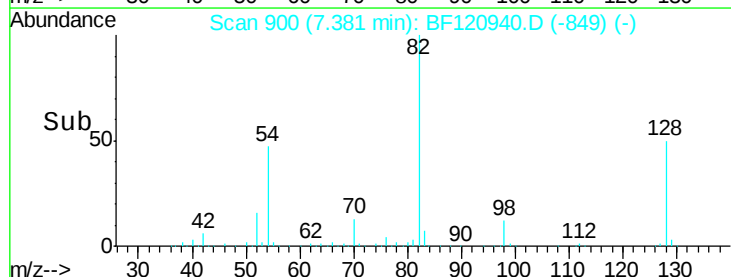
54 47.2 38.7 58.1



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

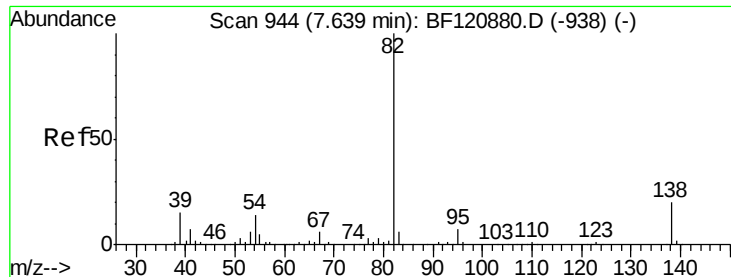
Ion 54.00 (53.70 to 54.70): BF1



Abundance

7.38

Time-->



#25

Isophorone

Concen: 37.787 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF120940.D

Acq: 20 Jul 2020 18:44

Instrument :

BNA_F

ClientSampleId :

PB130317TB

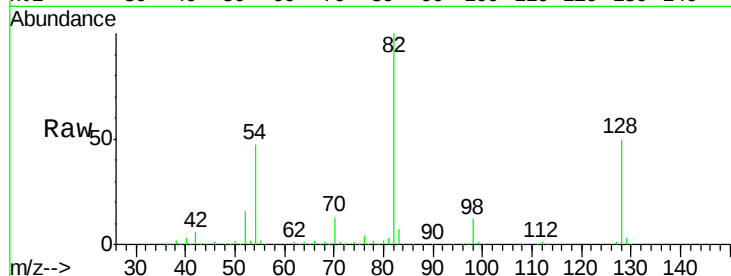
Tot Ion: 82 Resp: 1036840

Ion Ratio Lower Upper

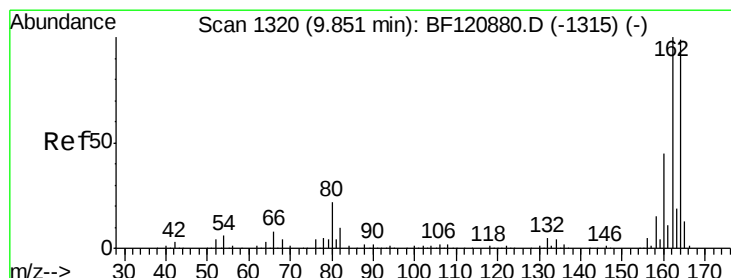
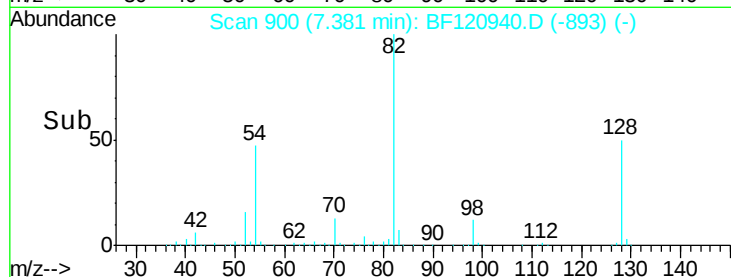
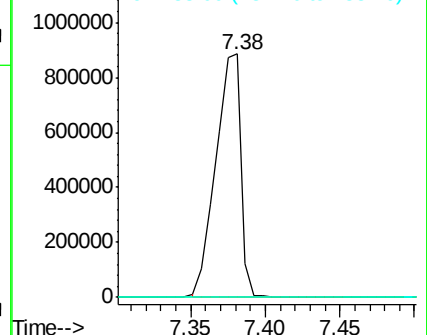
82 100

95 0.0 5.5 8.3#

138 0.0 15.6 23.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF120940.D

Acq: 20 Jul 2020 18:44

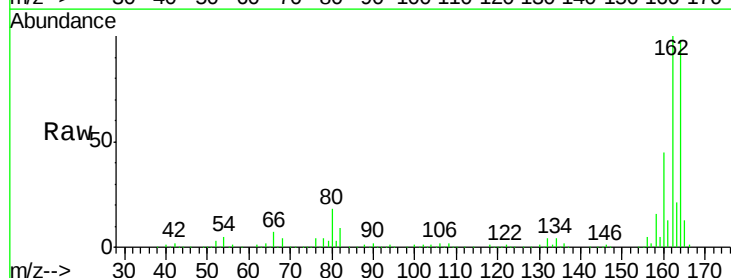
Tgt Ion:164 Resp: 418953

Ion Ratio Lower Upper

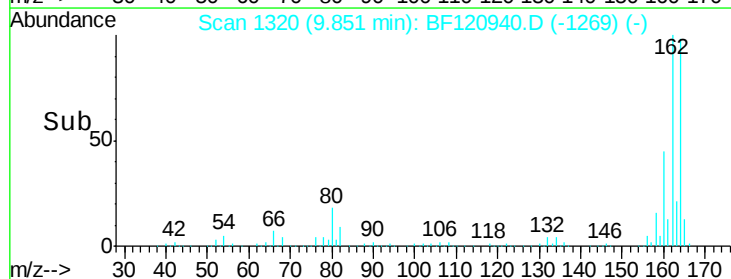
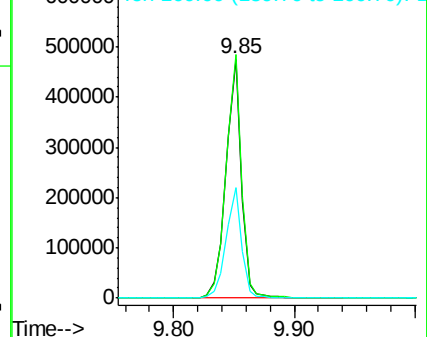
164 100

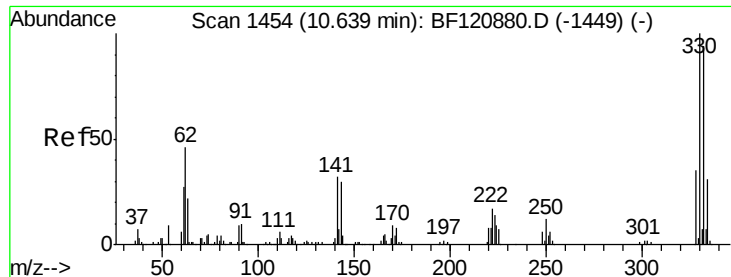
162 102.1 81.2 121.8

160 46.1 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

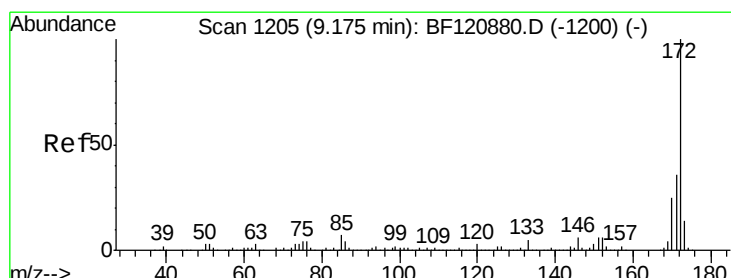
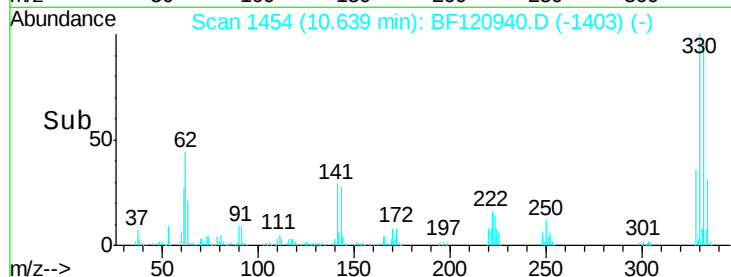
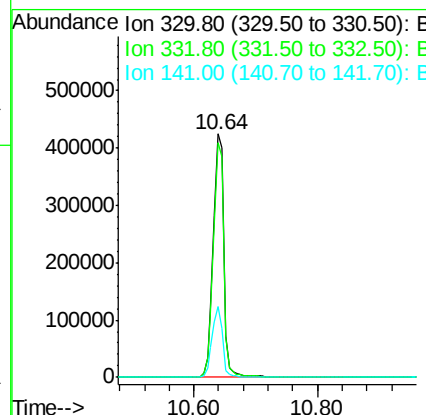
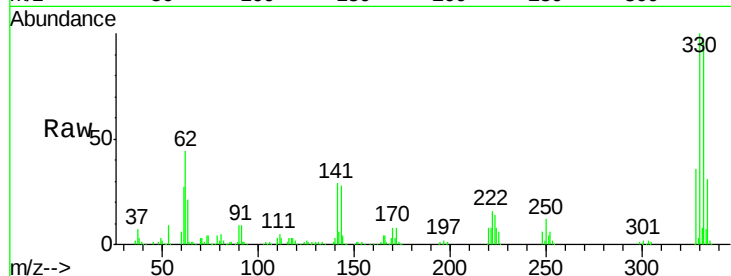




#42
 2,4,6-Tribromophenol
 Concen: 108.719 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF120940.D
 Acq: 20 Jul 2020 18:44

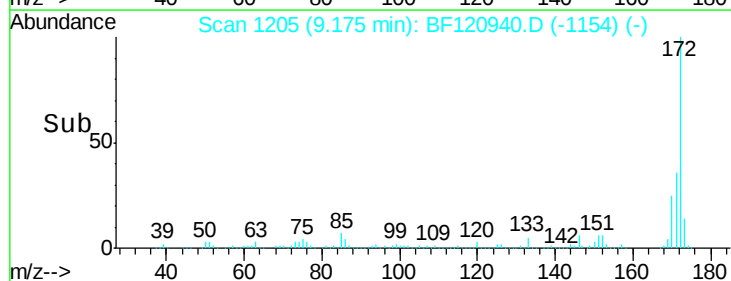
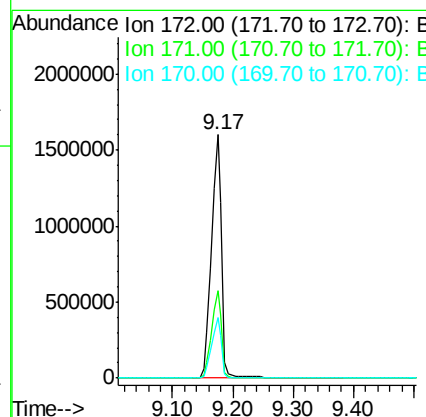
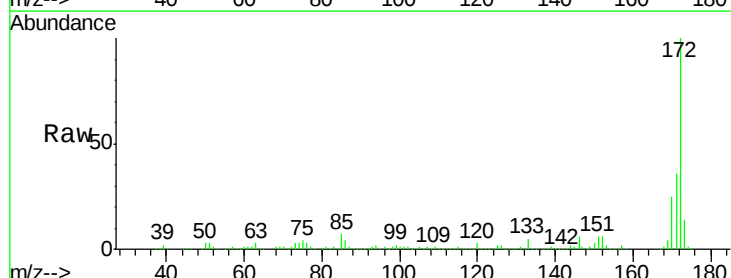
Instrument :
 BNA_F
 ClientSampled :
 PB130317TB

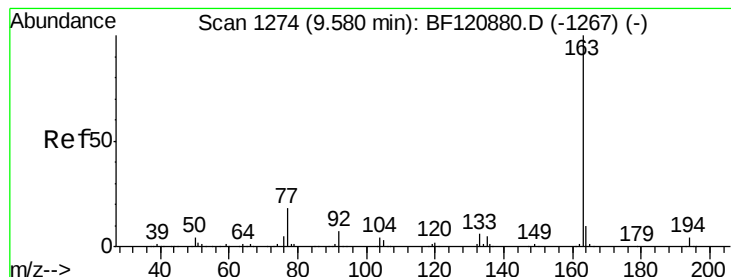
Tot Ion:330 Resp: 498569
 Ion Ratio Lower Upper
 330 100
 332 95.6 75.5 113.3
 141 29.1 25.7 38.5



#45
 2-Fluorobiphenyl
 Concen: 67.328 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF120940.D
 Acq: 20 Jul 2020 18:44

Tgt Ion:172 Resp: 1889252
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.4
 170 24.6 19.6 29.4





#50

Dimethylphthalate

Concen: 2.944 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.27 min

Lab File: BF120940.D

Acq: 20 Jul 2020 18:44

Instrument :

BNA_F

ClientSampleId :

PB130317TB

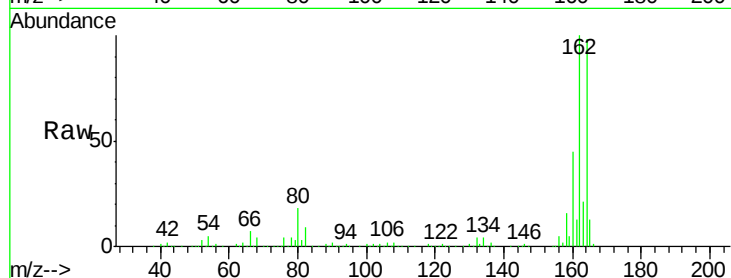
Tot Ion:163 Resp: 88996

Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

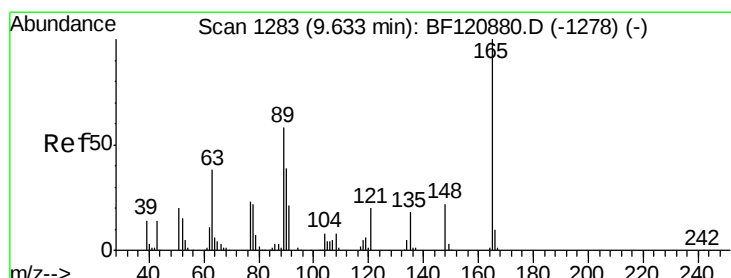
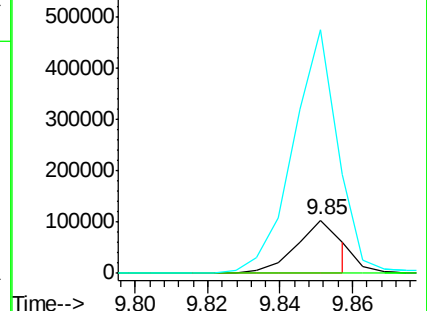
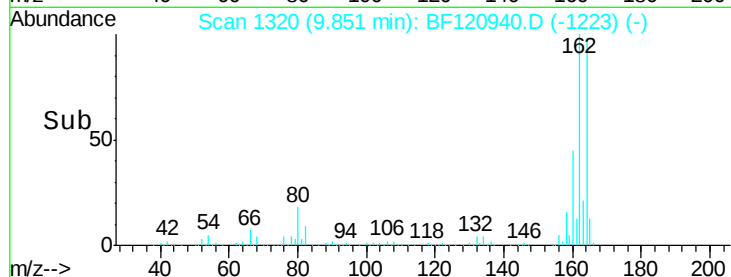
164 457.4 7.9 11.9#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.386 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.22 min

Lab File: BF120940.D

Acq: 20 Jul 2020 18:44

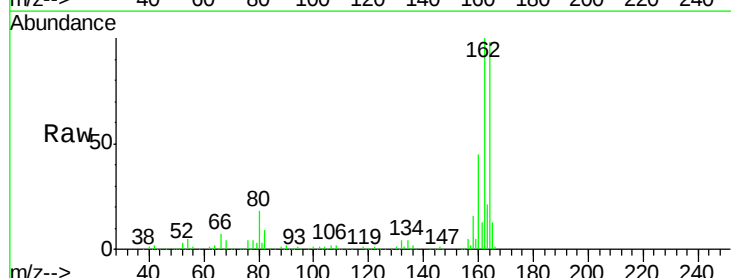
Tgt Ion:165 Resp: 54456

Ion Ratio Lower Upper

165 100

63 1.2 45.4 68.2#

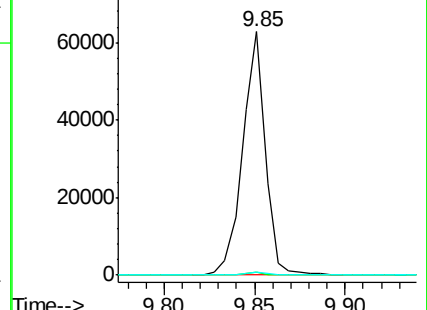
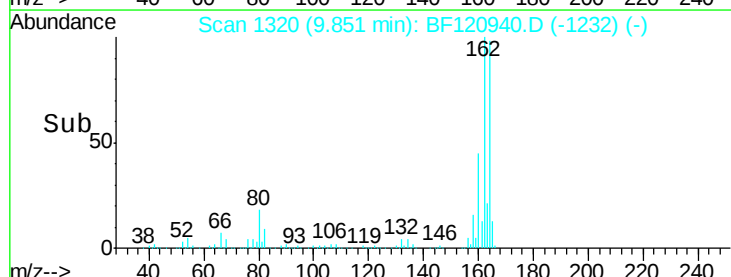
89 1.5 47.0 70.4#

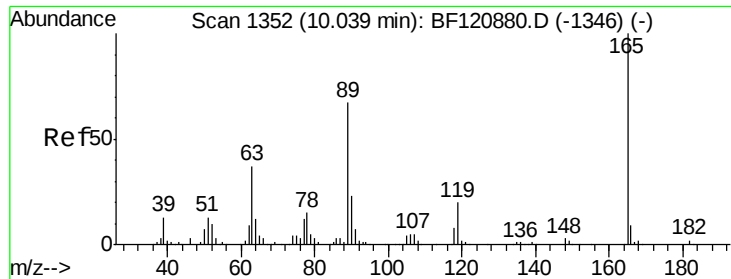


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

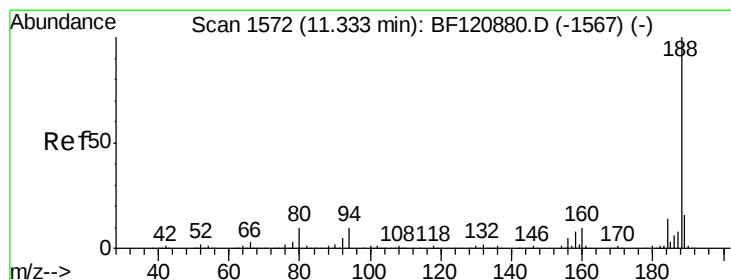
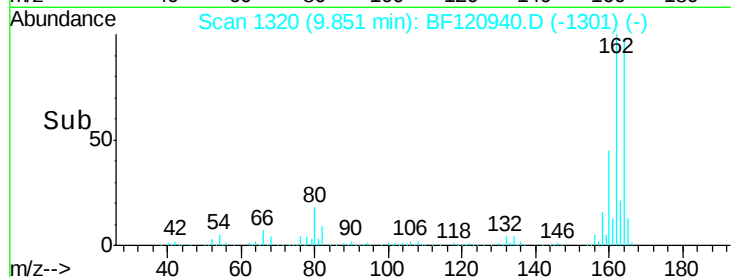
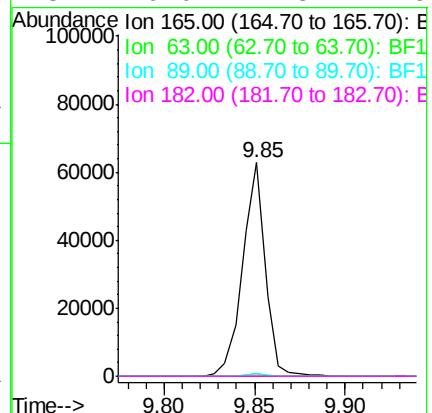
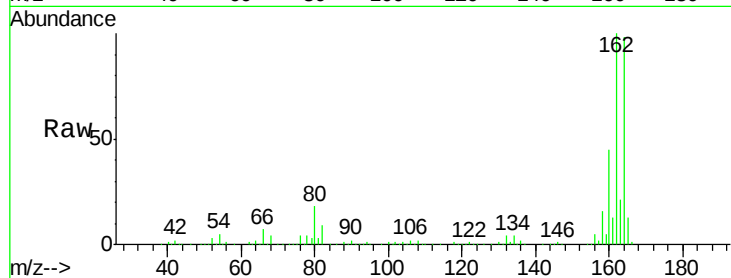




#57
 2,4-Dinitrotoluene
 Concen: 6.386 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF120940.D
 Acq: 20 Jul 2020 18:44

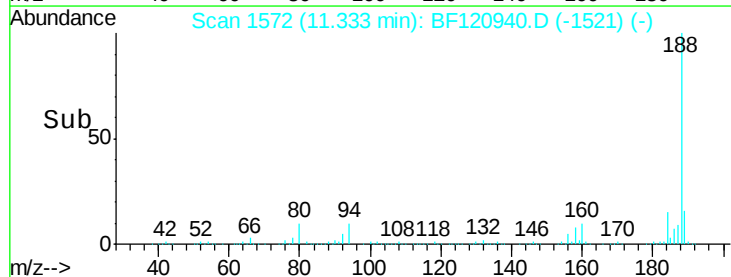
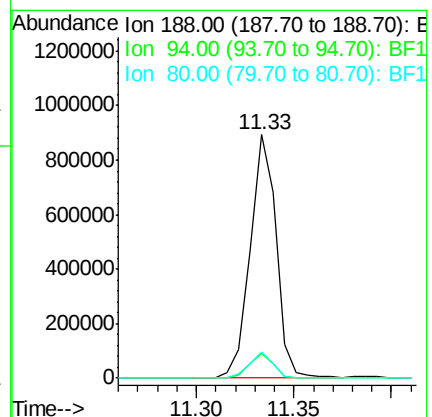
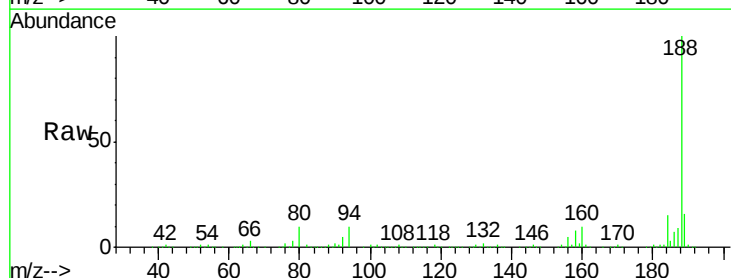
Instrument :
 BNA_F
 ClientSampleId :
 PB130317TB

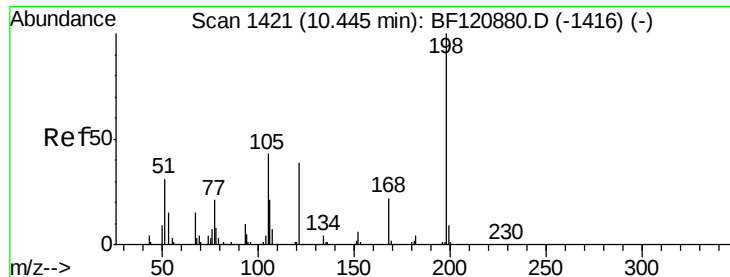
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	29.4	44.2#
89	1.5	53.4	80.0#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF120940.D
 Acq: 20 Jul 2020 18:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.0	12.0
80	10.4	8.3	12.5





#65

4,6-Dinitro-2-methylphenol

Concen: 4.045 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.19 min

Lab File: BF120940.D

Acq: 20 Jul 2020 18:44

Instrument :

BNA_F

ClientSampleId :

PB130317TB

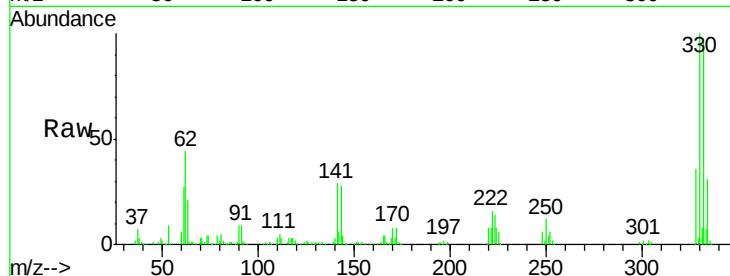
Tot Ion:198 Resp: 1048

Ion Ratio Lower Upper

198 100

51 164.7 19.5 59.5#

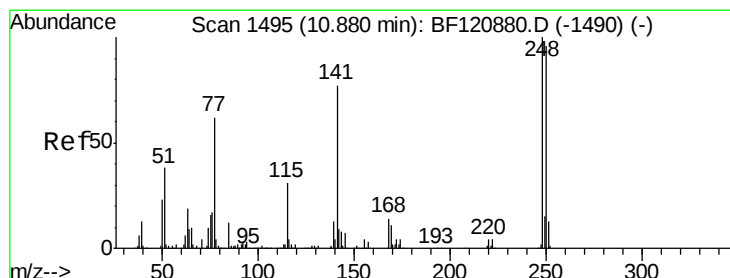
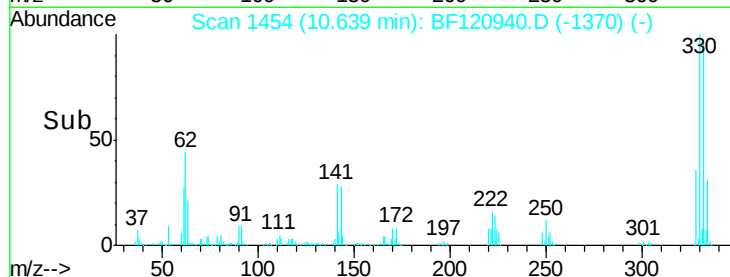
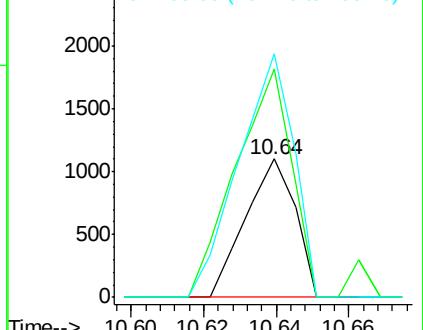
105 176.1 24.4 64.4#



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: 3.097 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF120940.D

Acq: 20 Jul 2020 18:44

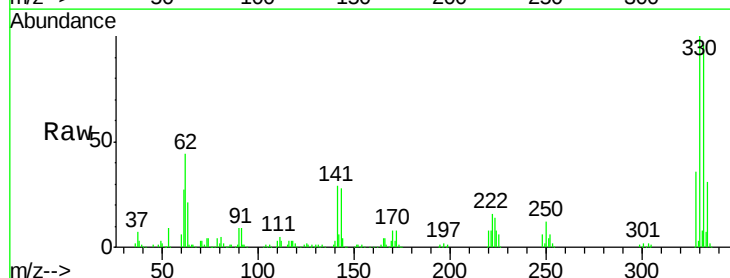
Tgt Ion:248 Resp: 28459

Ion Ratio Lower Upper

248 100

250 212.0 77.1 115.7#

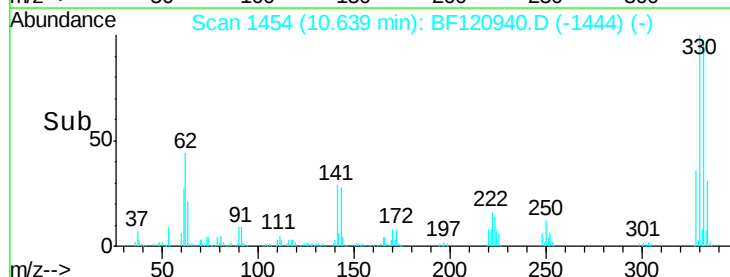
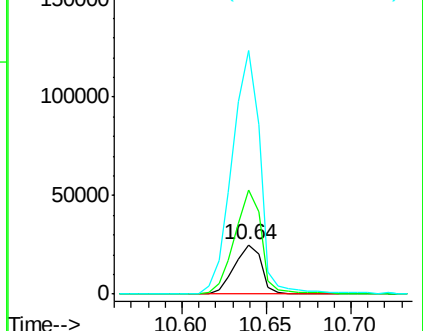
141 494.4 61.2 91.8#

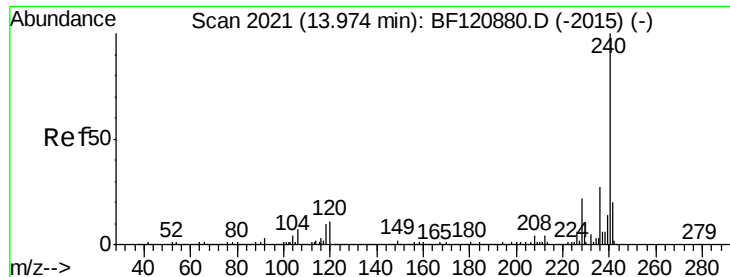


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF120940.D

Acq: 20 Jul 2020 18:44

Instrument :

BNA_F

ClientSampleId :

PB130317TB

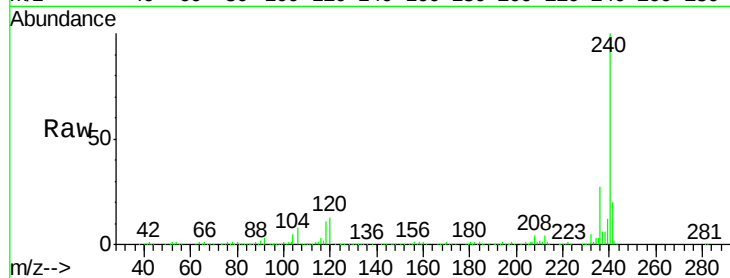
Tot Ion:240 Resp: 721269

Ion Ratio Lower Upper

240 100

120 12.8 9.0 13.4

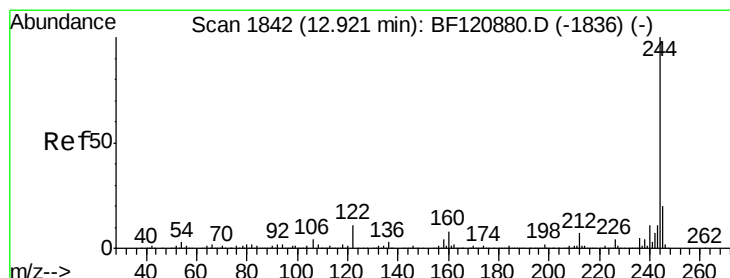
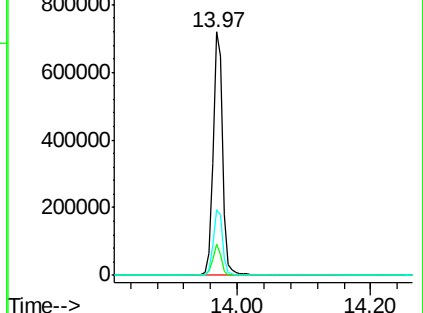
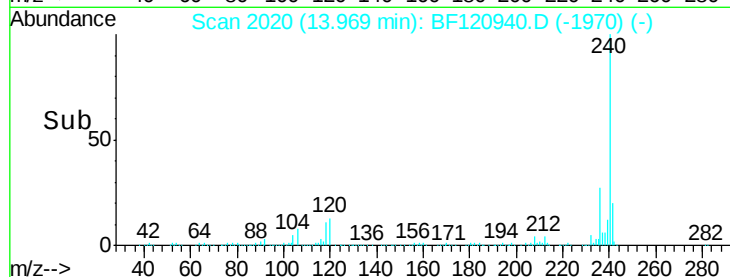
236 26.9 21.7 32.5



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



#79

Terphenyl-d14

Concen: 59.396 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF120940.D

Acq: 20 Jul 2020 18:44

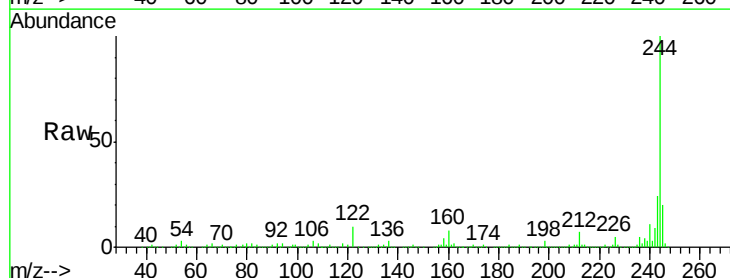
Tgt Ion:244 Resp: 1970777

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

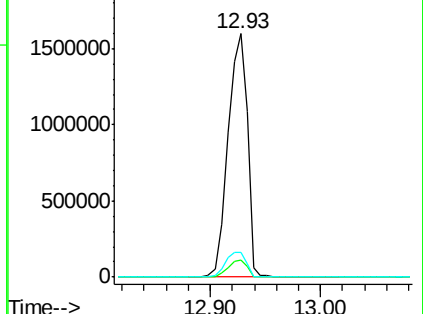
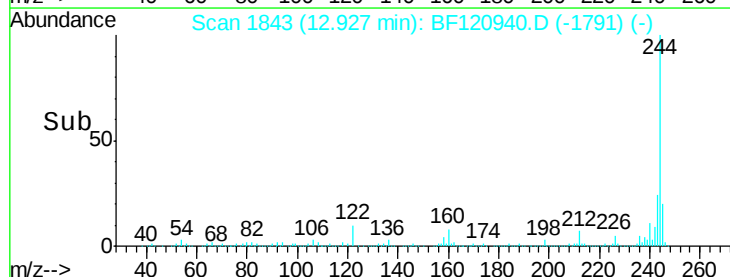
122 10.3 8.9 13.3

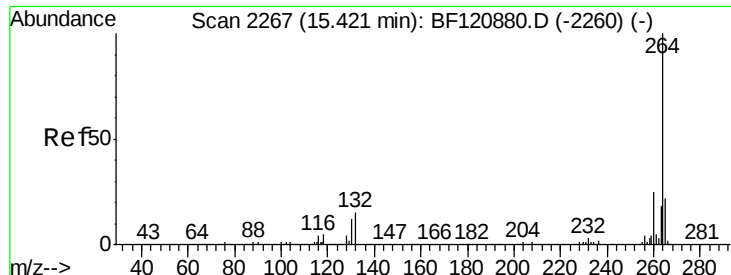


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

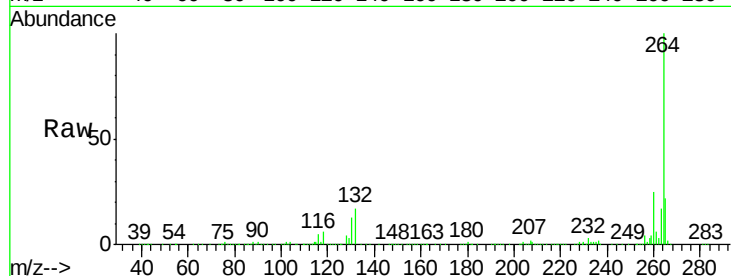




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. 0.00 min
 Lab File: BF120940.D
 Acq: 20 Jul 2020 18:44

Instrument :
 BNA_F
 ClientSampleId :
 PB130317TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.0	30.0
265	21.8	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

