

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071620\
 Data File : BF120902.D
 Acq On : 16 Jul 2020 23:23
 Operator : JU/CG
 Sample : L3308-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 10

Quant Time: Jul 17 01:56:52 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

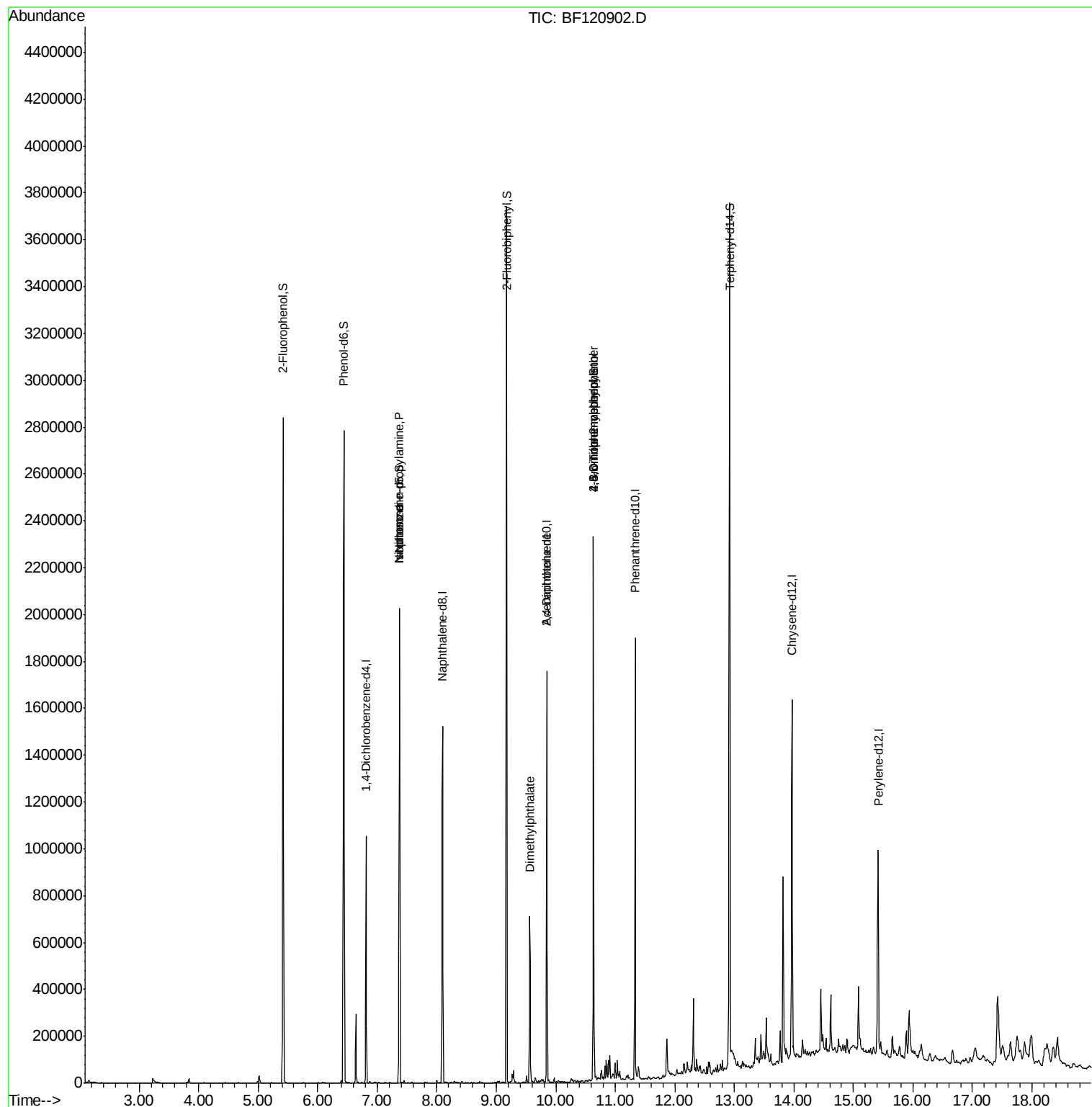
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	165890	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	638068	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	339444	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	641317	20.00	ng	0.00
76) Chrysene-d12	13.97	240	488824	20.00	ng	0.00
86) Perylene-d12	15.42	264	400153	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	798056	78.87	ng	0.00
7) Phenol-d6	6.44	99	976000	74.67	ng	0.00
23) Nitrobenzene-d5	7.37	82	591493	53.64	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	294218	79.19	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1116009	49.09	ng	0.00
79) Terphenyl-d14	12.92	244	1185564	52.72	ng	0.00
Target Compounds						
9) Benzaldehyde	6.36	77	273	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	77471	10.423 ng	#	77
25) Isophorone	7.37	82	590939	26.851 ng	#	63
50) Dimethylphthalate	9.56	163	255759	10.444 ng	#	99
57) 2,4-Dinitrotoluene	9.85	165	43737	6.330 ng	#	27
65) 4,6-Dinitro-2-methylphenol	10.63	198	670	4.009 ng	#	1
67) 4-Bromophenyl-phenylether	10.63	248	16976	2.374 ng	#	1

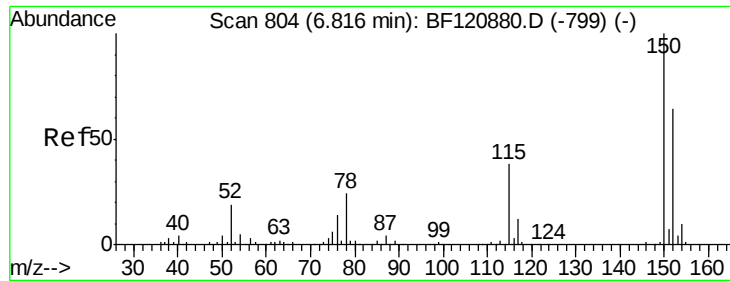
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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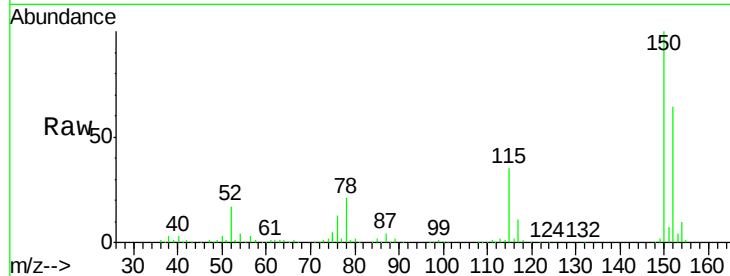


#1

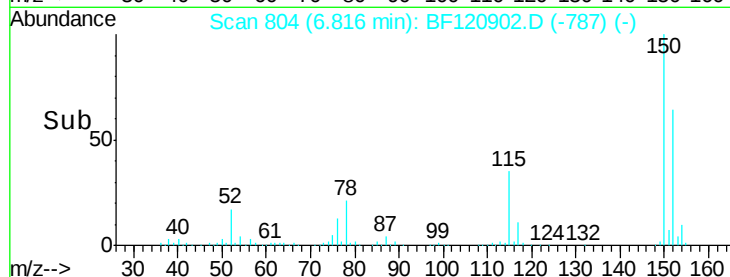
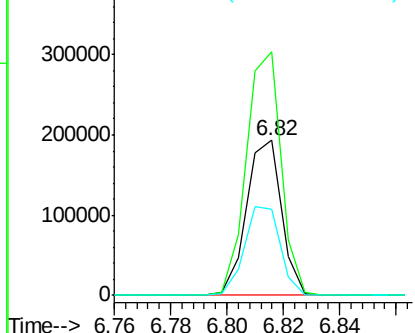
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: BF120902.D
 Acq: 16 Jul 2020 23:23

Instrument :
 BNA_F
 ClientSampleId :
 10

Tot Ion:152 Resp: 165890
 Ion Ratio Lower Upper
 152 100
 150 157.0 125.0 187.6
 115 55.2 47.0 70.4



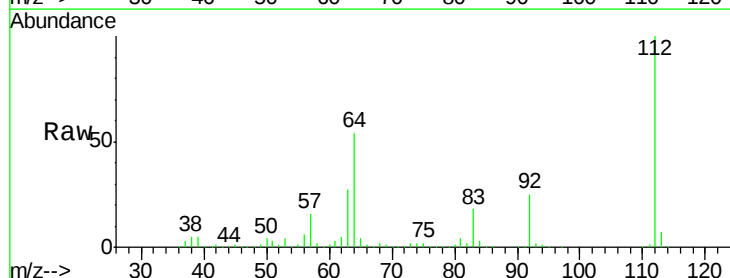
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



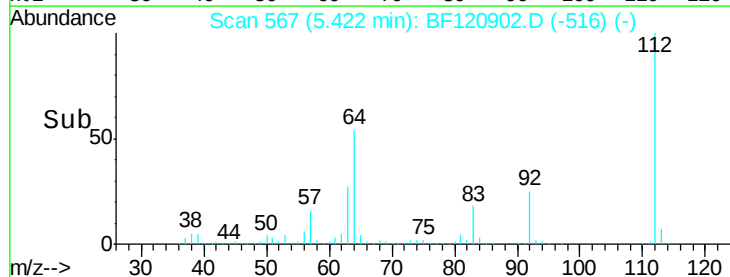
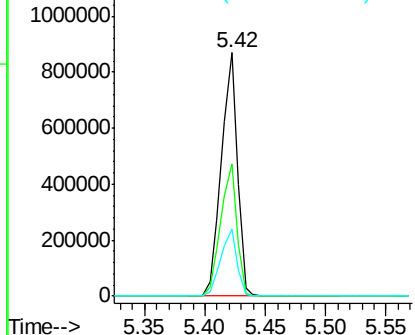
#5

2-Fluorophenol
 Concen: 78.865 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: BF120902.D
 Acq: 16 Jul 2020 23:23

Tgt Ion:112 Resp: 798056
 Ion Ratio Lower Upper
 112 100
 64 54.2 41.3 61.9
 63 27.4 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: 74.667 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF120902.D

Acq: 16 Jul 2020 23:23

Instrument :

BNA_F

ClientSampled :

10

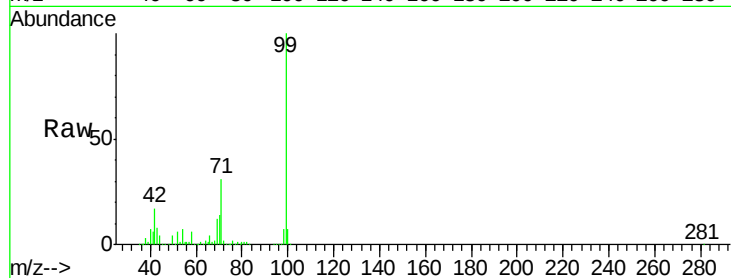
Tot Ion: 99 Resp: 976000

Ion Ratio Lower Upper

99 100

42 17.0 13.1 19.7

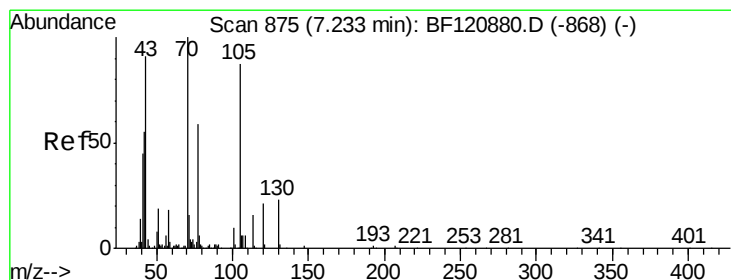
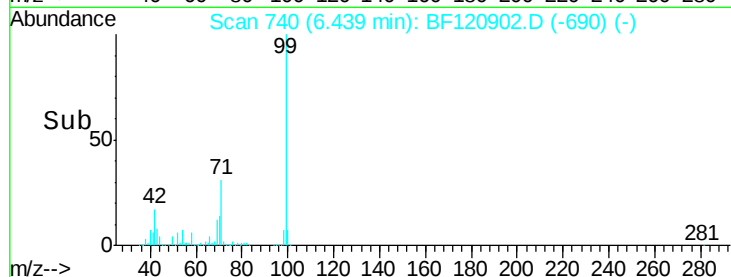
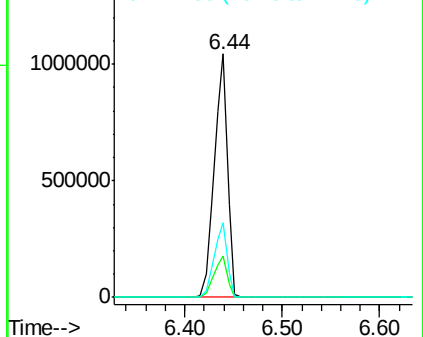
71 30.8 24.2 36.4



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: 10.423 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF120902.D

Acq: 16 Jul 2020 23:23

Tgt Ion: 70 Resp: 77471

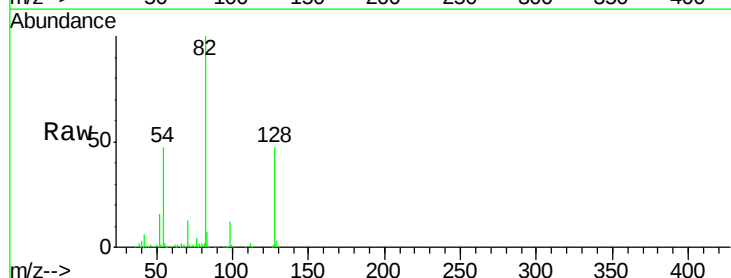
Ion Ratio Lower Upper

70 100

42 45.4 44.0 66.0

101 0.0 7.8 11.6#

130 2.2 18.7 28.1#

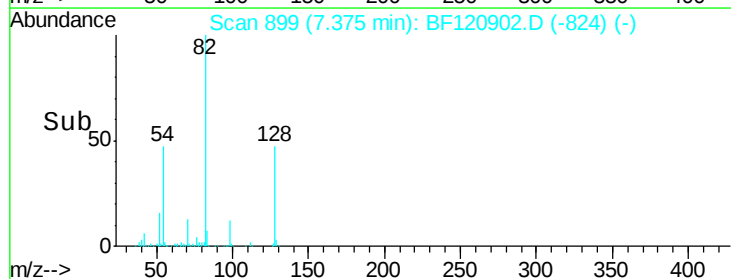
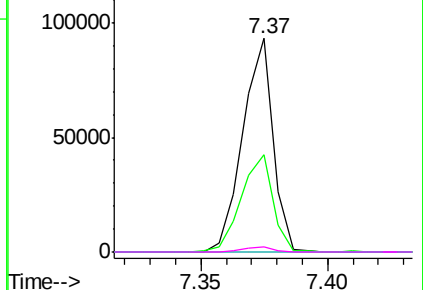


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF120902.D

Acq: 16 Jul 2020 23:23

Instrument :

BNA_F

ClientSampleId :

10

Tot Ion:136 Resp: 638068

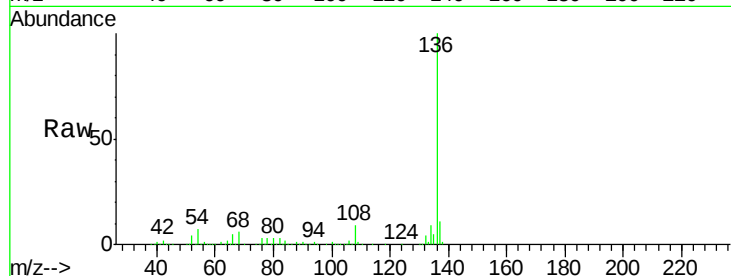
Ion Ratio Lower Upper

136 100

137 11.0 9.3 13.9

54 7.0 6.3 9.5

68 5.8 5.0 7.4

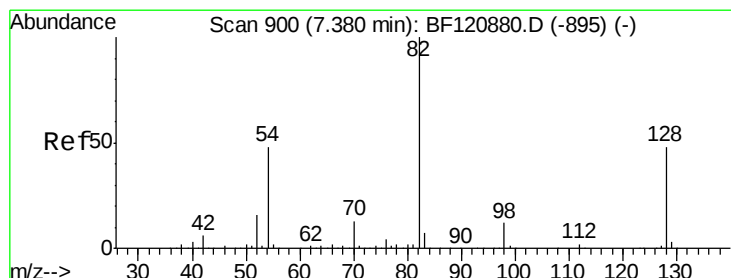
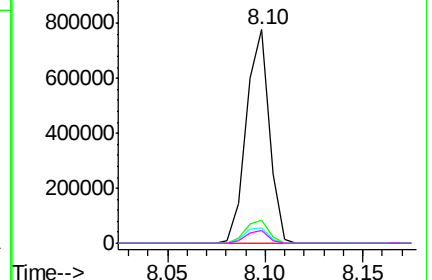
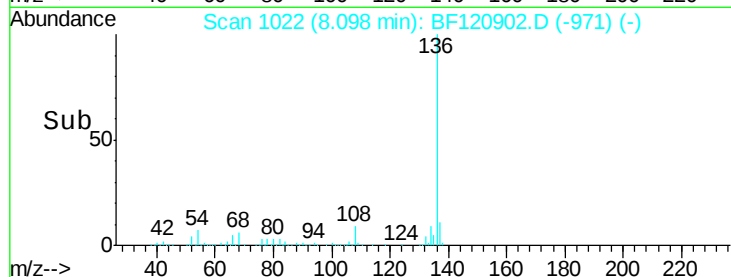


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 53.639 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF120902.D

Acq: 16 Jul 2020 23:23

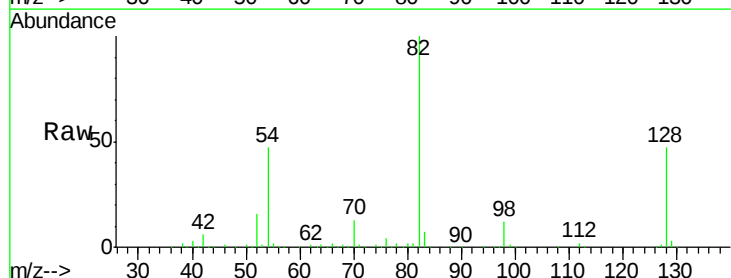
Tgt Ion: 82 Resp: 591493

Ion Ratio Lower Upper

82 100

128 47.3 38.2 57.4

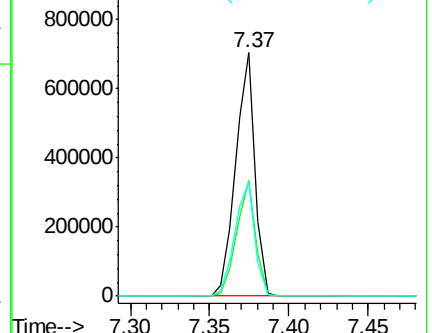
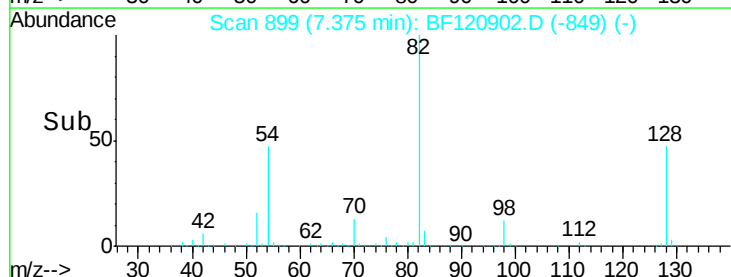
54 47.1 38.7 58.1



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





#25

Isophorone

Concen: 26.851 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF120902.D

Acq: 16 Jul 2020 23:23

Instrument :

BNA_F

ClientSampleId :

10

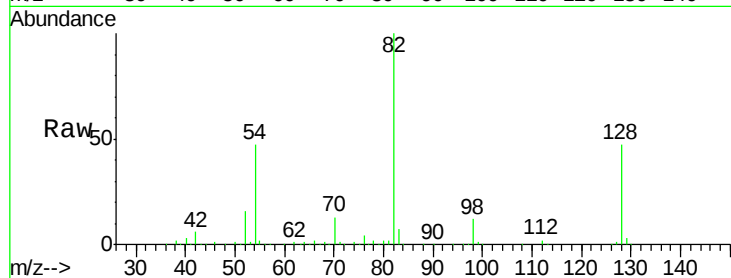
Tot Ion: 82 Resp: 590939

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

800000

600000

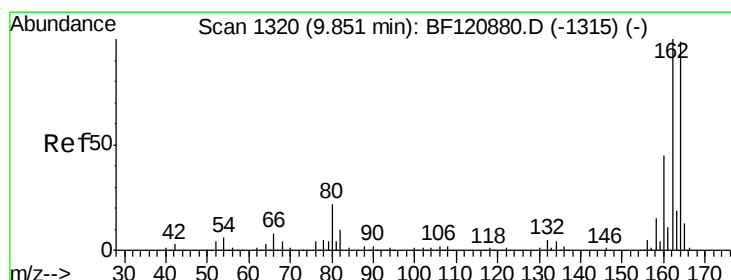
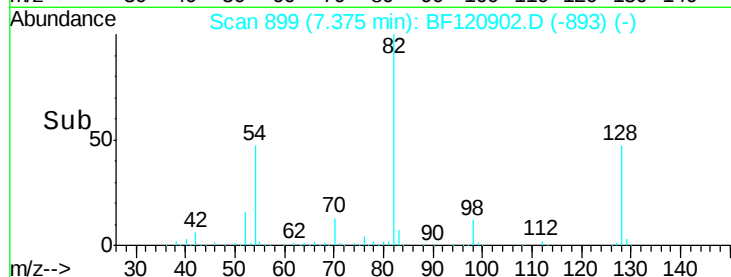
400000

200000

0

7.37

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF120902.D

Acq: 16 Jul 2020 23:23

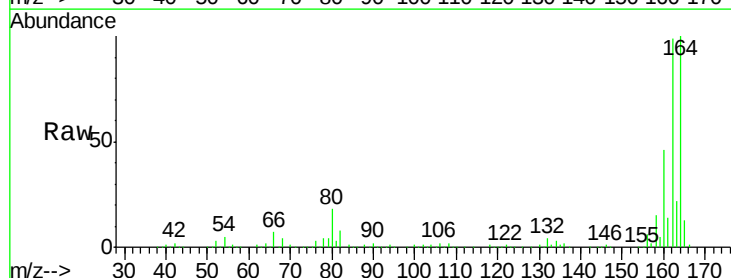
Tgt Ion: 164 Resp: 339444

Ion Ratio Lower Upper

164 100

162 99.1 81.2 121.8

160 45.5 36.9 55.3



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

500000

400000

300000

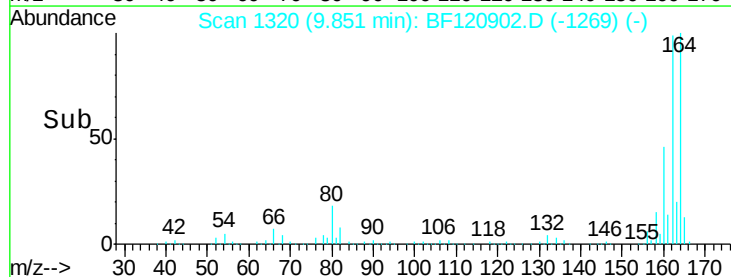
200000

100000

0

9.85

Time-->

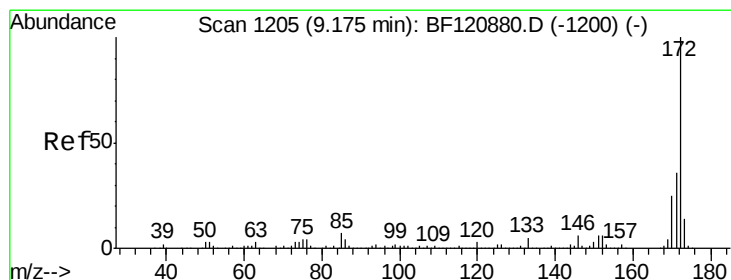
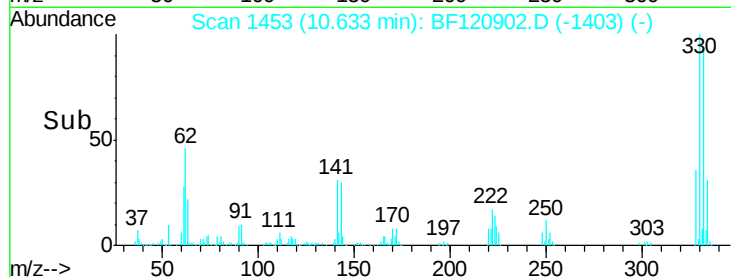
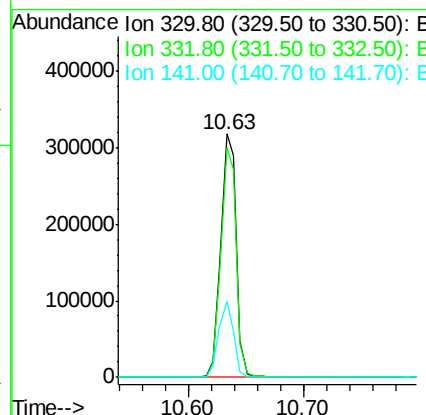
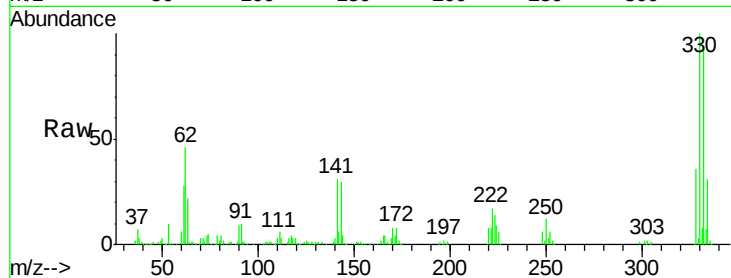




#42
 2,4,6-Tribromophenol
 Concen: 79.186 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF120902.D
 Acq: 16 Jul 2020 23:23

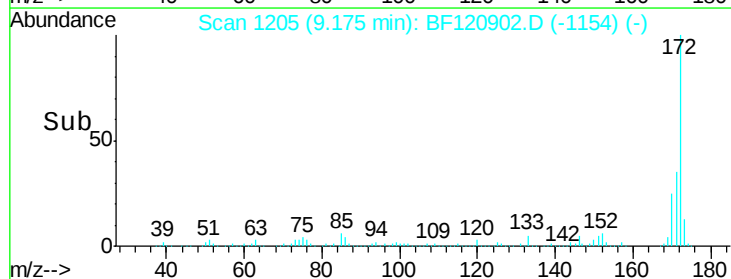
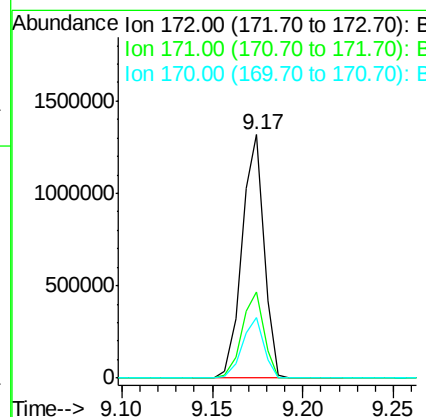
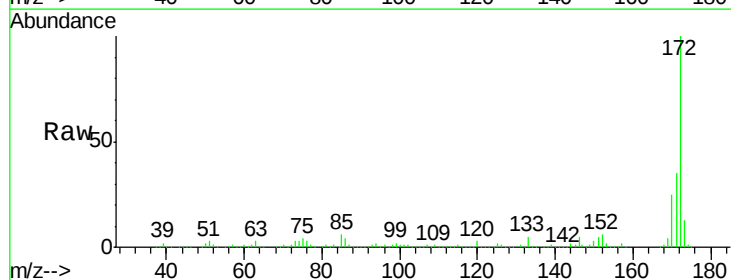
Instrument :
 BNA_F
 ClientSampleId :
 10

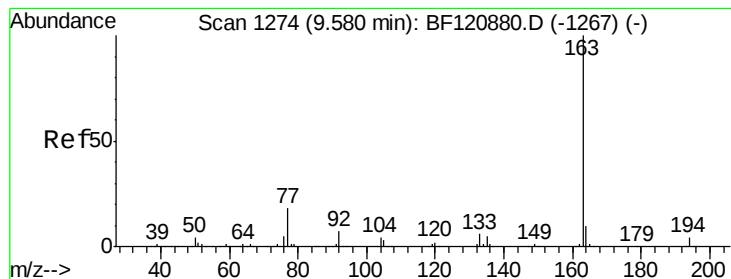
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	75.5	113.3
141	30.6	25.7	38.5



#45
 2-Fluorobiphenyl
 Concen: 49.088 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF120902.D
 Acq: 16 Jul 2020 23:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	24.6	19.6	29.4





#50

Dimethylphthalate

Concen: 10.444 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF120902.D

Acq: 16 Jul 2020 23:23

Instrument :

BNA_F

ClientSampleId :

10

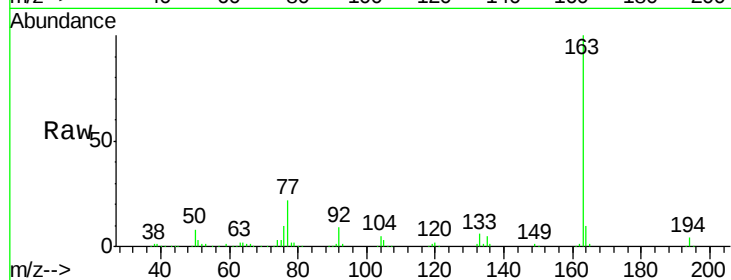
Tot Ion:163 Resp: 255759

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

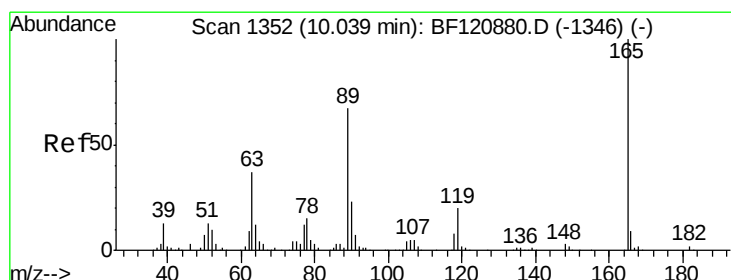
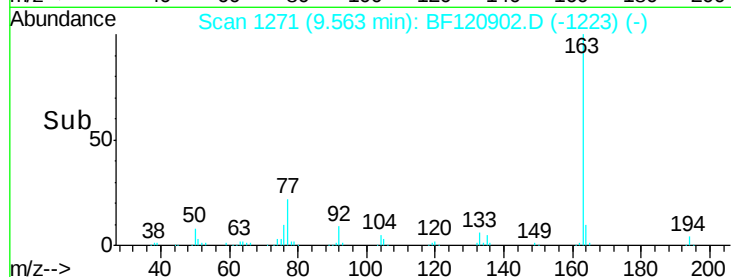
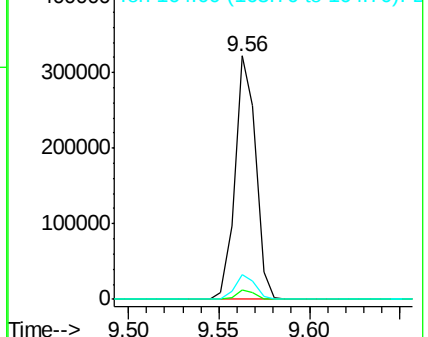
164 10.3 7.9 11.9



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



#57

2,4-Dinitrotoluene

Concen: 6.330 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF120902.D

Acq: 16 Jul 2020 23:23

Tgt Ion:165 Resp: 43737

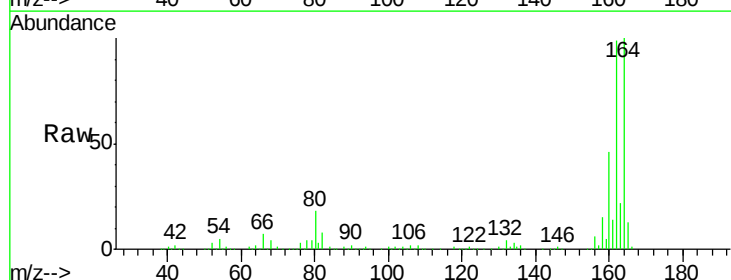
Ion Ratio Lower Upper

165 100

63 0.9 29.4 44.2#

89 1.6 53.4 80.0#

182 0.0 1.8 2.6#

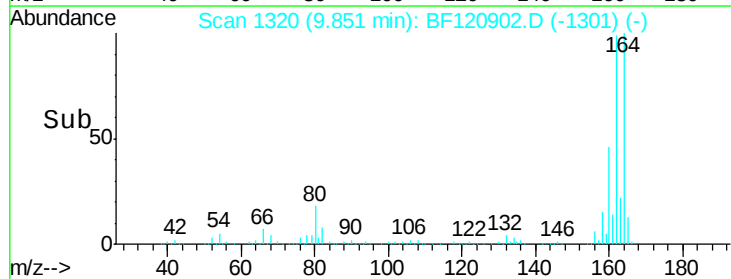
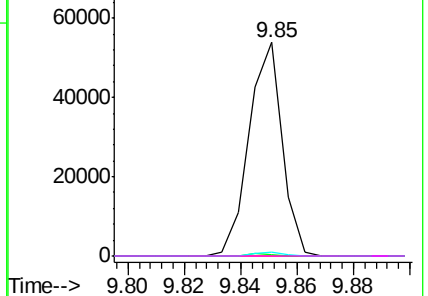


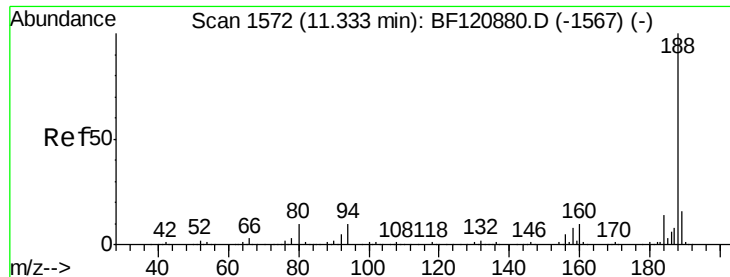
Abundance Ion 165.00 (164.70 to 165.70): E

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

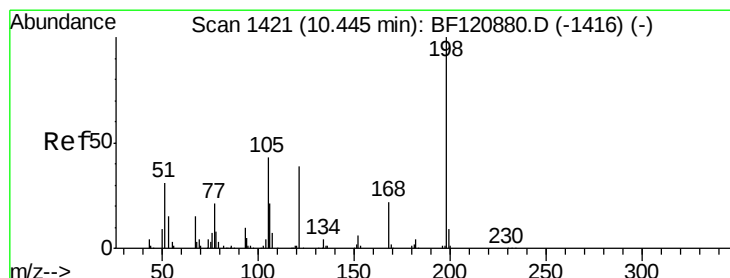
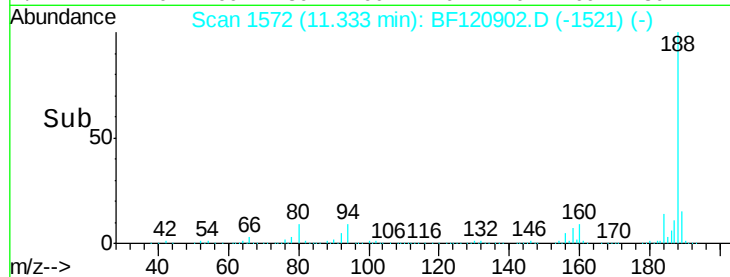
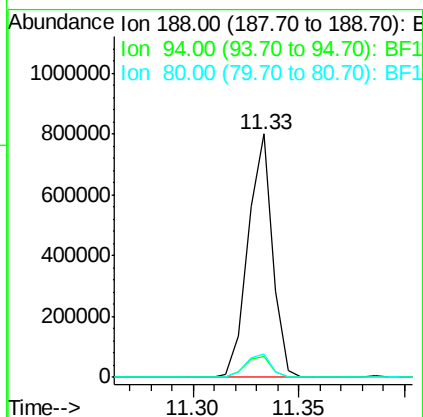
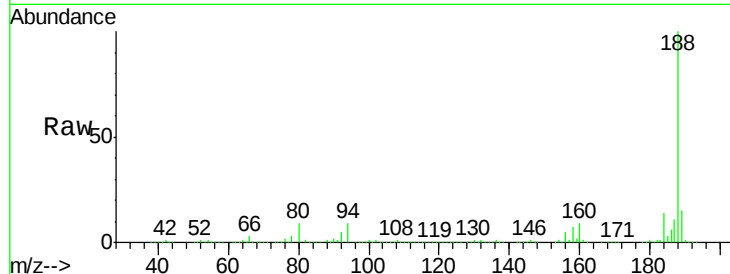




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF120902.D
 Acq: 16 Jul 2020 23:23

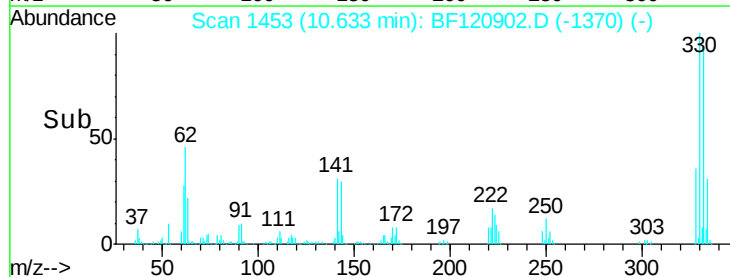
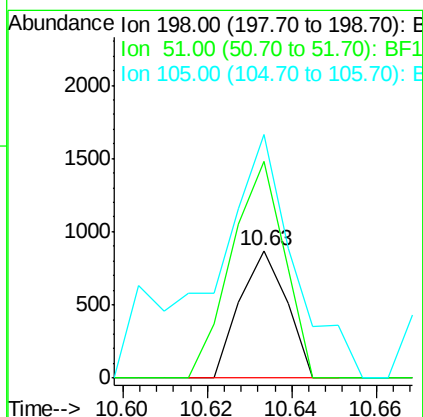
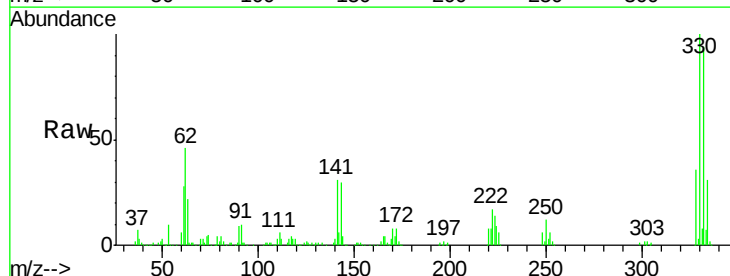
Instrument :
 BNA_F
 ClientSampleId :
 10

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.0	12.0
80	9.5	8.3	12.5



#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.009 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.19 min
 Lab File: BF120902.D
 Acq: 16 Jul 2020 23:23

Tgt Ion	Ratio	Lower	Upper
198	100		
51	170.4	19.5	59.5#
105	191.4	24.4	64.4#

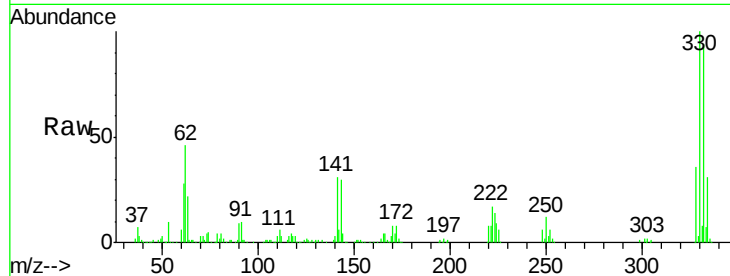




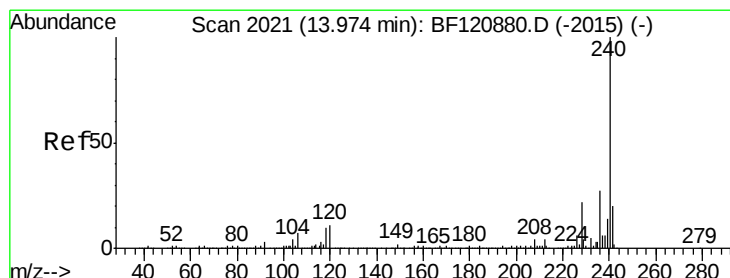
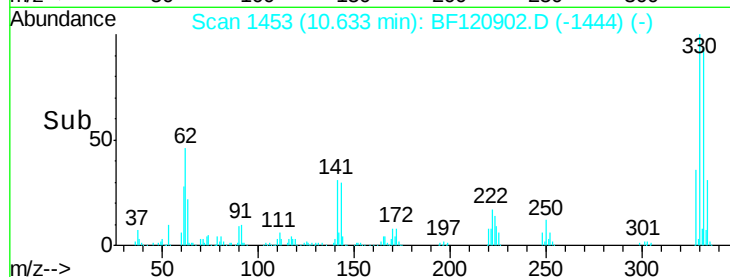
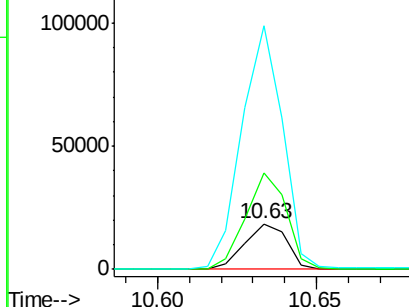
#67
4-Bromophenyl-phenylether
Concen: 2.374 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF120902.D
Acq: 16 Jul 2020 23:23

Instrument :
BNA_F
ClientSampled :
10

Tot Ion:248 Resp: 16976
Ion Ratio Lower Upper
248 100
250 209.7 77.1 115.7#
141 532.0 61.2 91.8#

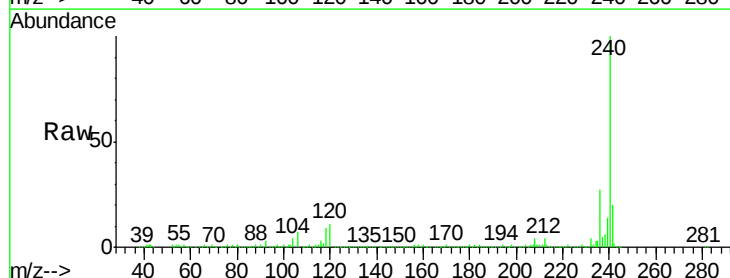


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

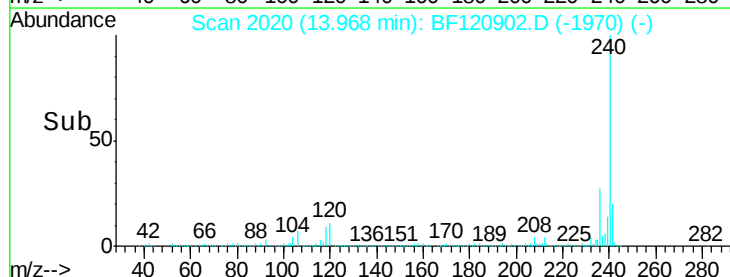
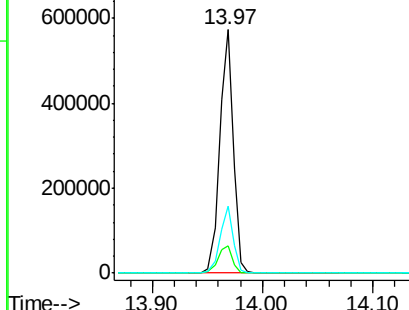


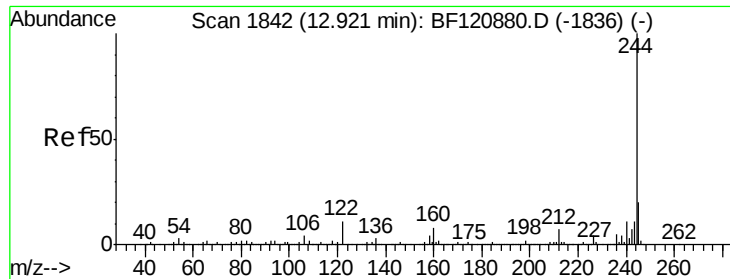
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF120902.D
Acq: 16 Jul 2020 23:23

Tgt Ion:240 Resp: 488824
Ion Ratio Lower Upper
240 100
120 11.0 9.0 13.4
236 27.4 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: 52.722 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF120902.D

Acq: 16 Jul 2020 23:23

Instrument :

BNA_F

ClientSampleId :

10

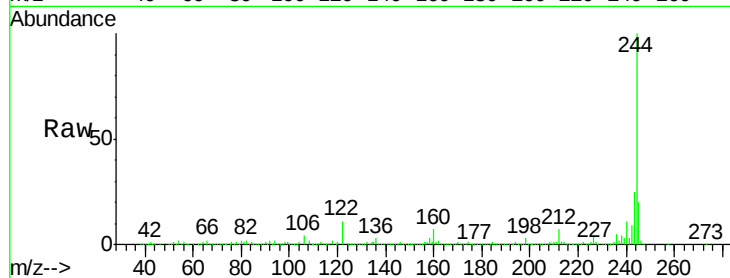
Tot Ion:244 Resp: 1185564

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

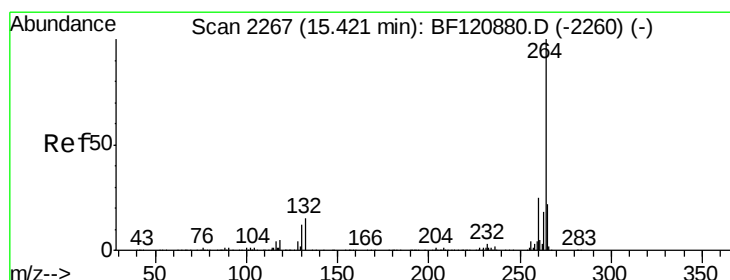
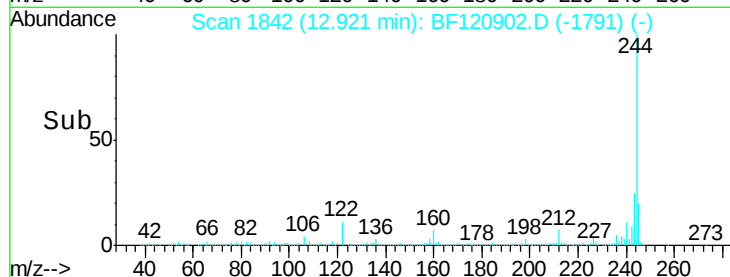
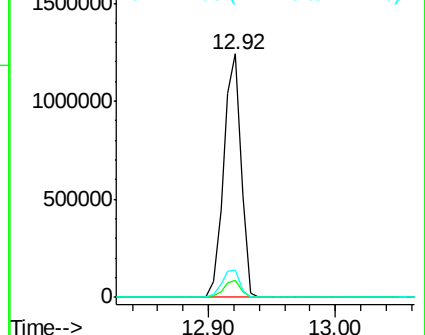
122 11.0 8.9 13.3



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

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF120902.D

Acq: 16 Jul 2020 23:23

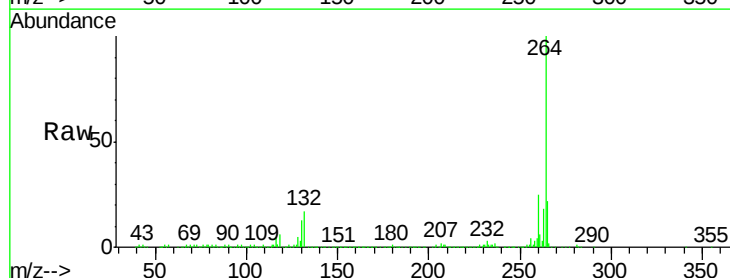
Tgt Ion:264 Resp: 400153

Ion Ratio Lower Upper

264 100

260 25.1 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

