

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\
 Data File : BF118230.D
 Acq On : 17 Dec 2019 17:02
 Operator : JU
 Sample : K6299-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 18 05:04:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	125638	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	502823	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	273980	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	498617	20.00	ng	-0.01
76) Chrysene-d12	14.05	240	306236	20.00	ng	-0.02
87) Perylene-d12	15.54	264	311287	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	655938	91.44	ng	0.00
7) Phenol-d6	6.49	99	836867	96.45	ng	0.00
23) Nitrobenzene-d5	7.42	82	498568	55.78	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	284064	85.35	ng	-0.02
45) 2-Fluorobiphenyl	9.22	172	1005489	55.84	ng	-0.02
79) Terphenyl-d14	12.99	244	1083976	60.87	ng	-0.01

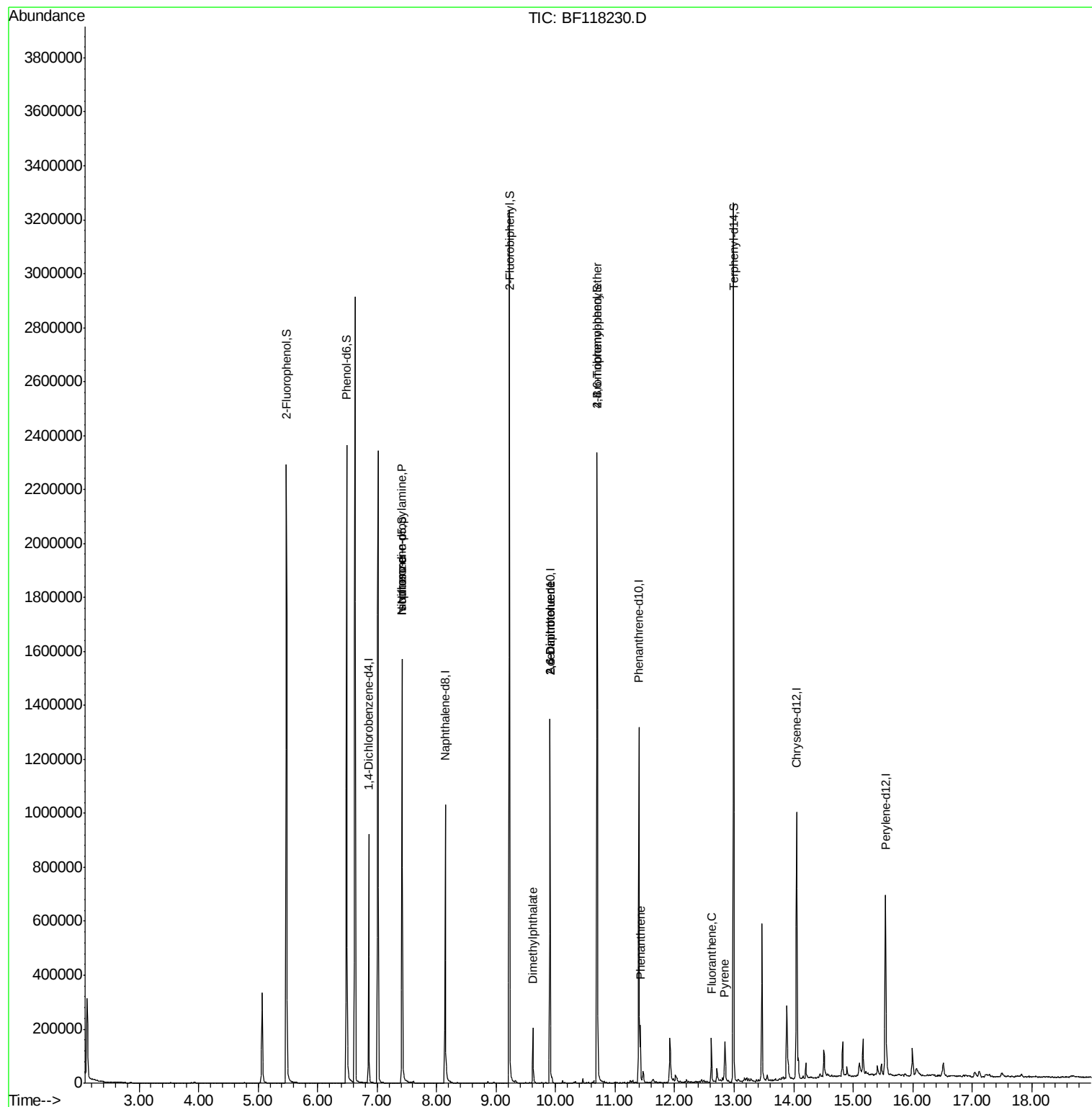
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	1528	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.42	70	67545	12.812	ng	# 74
25) Isophorone	7.42	82	491720	32.453	ng	# 62
50) Dimethylphthalate	9.62	163	92276	4.560	ng	98
51) 2,6-Dinitrotoluene	9.90	165	35115	7.980	ng	# 27
57) 2,4-Dinitrotoluene	9.90	165	35115	5.979	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	17348	3.048	ng	# 1
71) Phenanthrene	11.42	178	70350	2.654	ng	99
75) Fluoranthene	12.62	202	71908	2.653	ng	99
78) Pyrene	12.85	202	67271	2.788	ng	97

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

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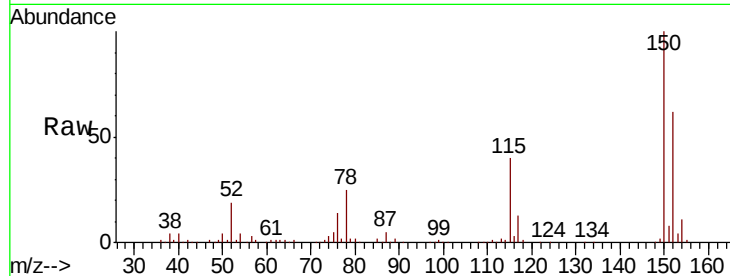


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118230.D
Acq: 17 Dec 2019 17:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	128.3	192.5
115	64.1	51.1	76.7

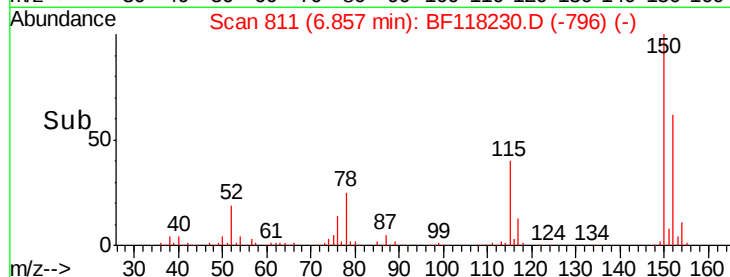
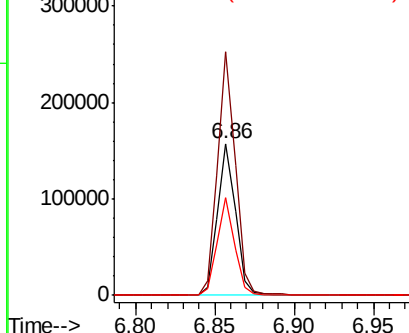


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

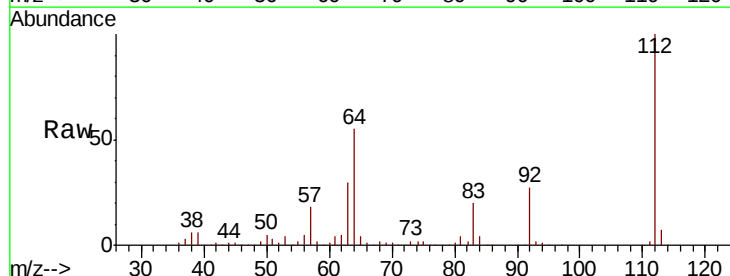
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.441 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118230.D
Acq: 17 Dec 2019 17:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	41.3	61.9
63	30.3	22.4	33.6

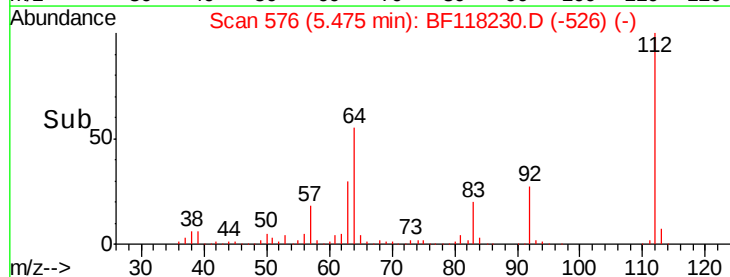
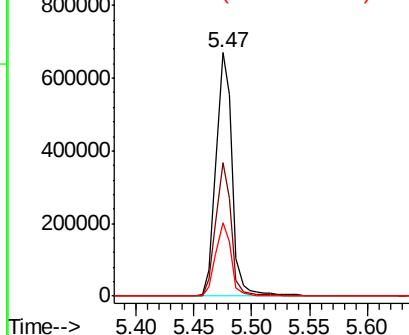


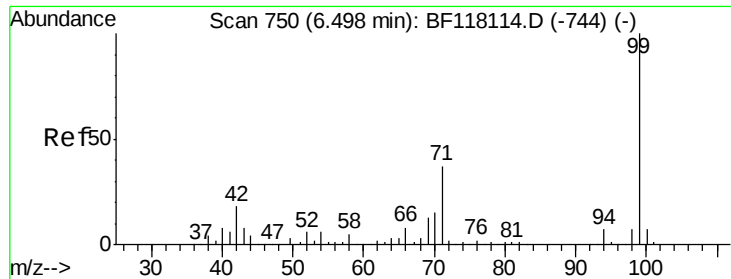
Abundance

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: 96.454 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118230.D

Acq: 17 Dec 2019 17:02

Instrument :

BNA_F

ClientSampled :

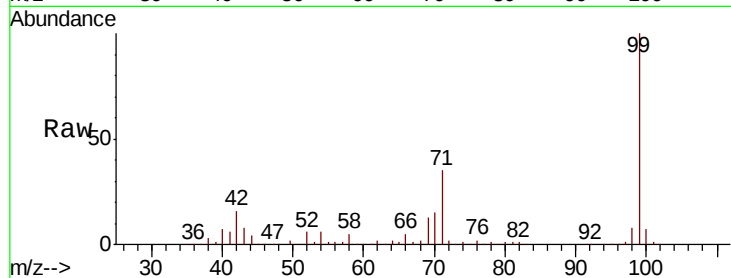
Tot Ion: 99 Resp: 836867

Ion Ratio Lower Upper

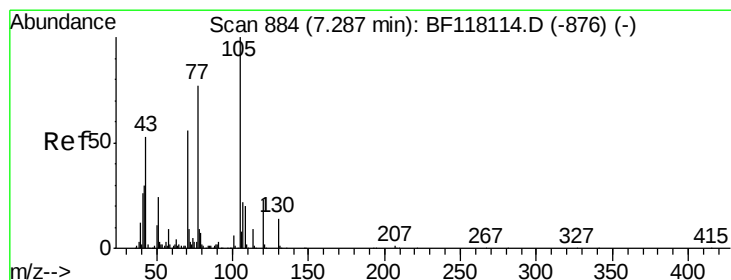
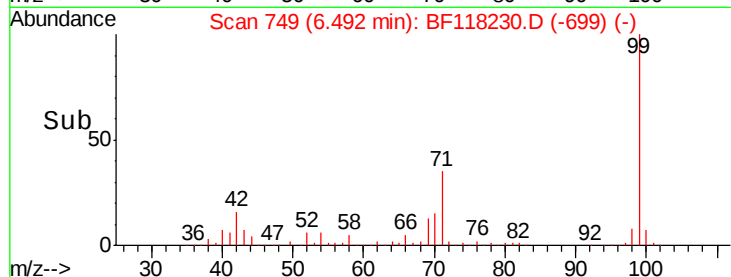
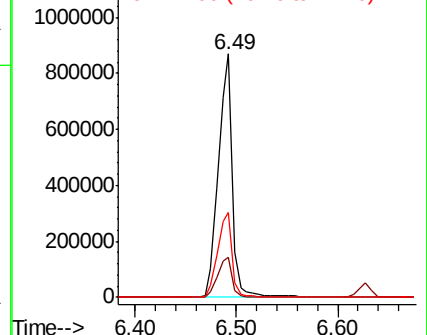
99 100

42 16.3 14.1 21.1

71 35.1 29.7 44.5



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: 12.812 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118230.D

Acq: 17 Dec 2019 17:02

Tgt Ion: 70 Resp: 67545

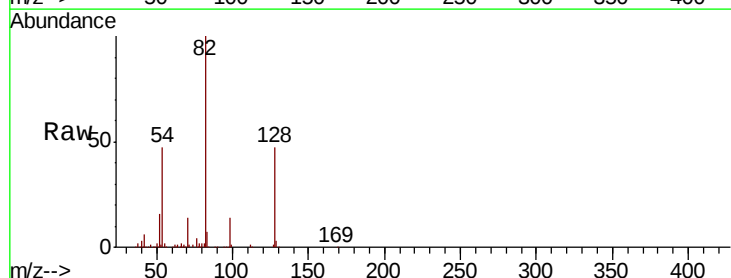
Ion Ratio Lower Upper

70 100

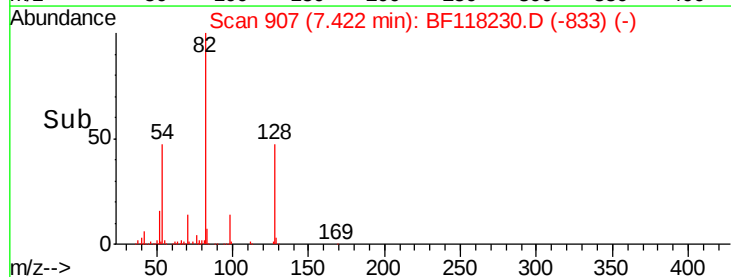
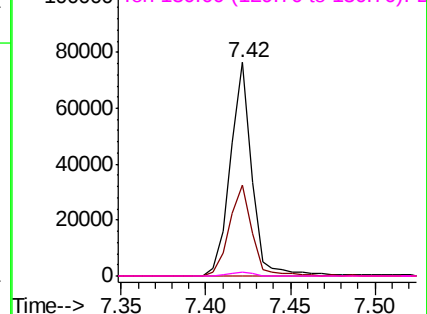
42 42.5 43.2 64.8#

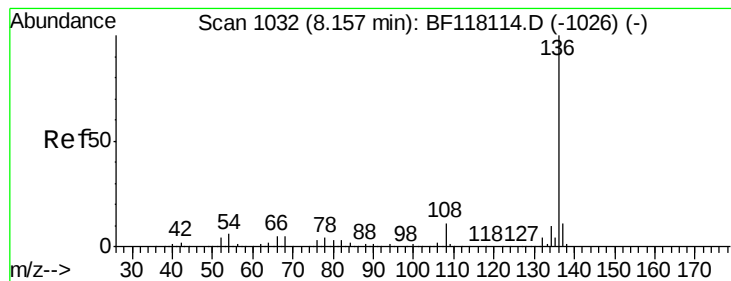
101 0.0 8.1 12.1#

130 1.9 19.8 29.8#



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: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF118230.D

Acq: 17 Dec 2019 17:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 502823

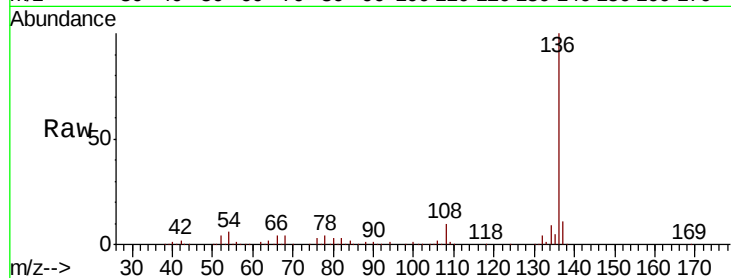
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 5.9 5.0 7.6

68 4.1 3.8 5.8

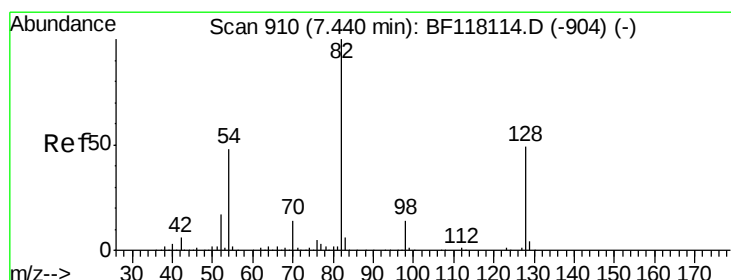
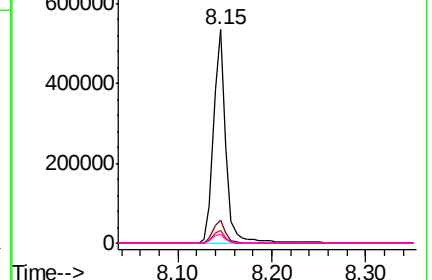
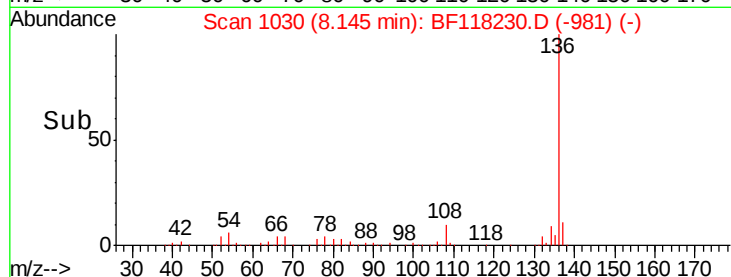


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.782 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF118230.D

Acq: 17 Dec 2019 17:02

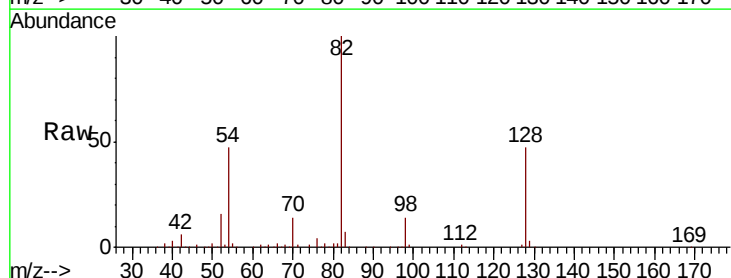
Tgt Ion: 82 Resp: 498568

Ion Ratio Lower Upper

82 100

128 47.2 39.1 58.7

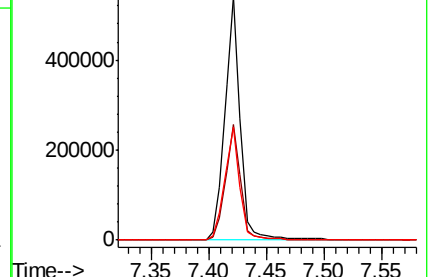
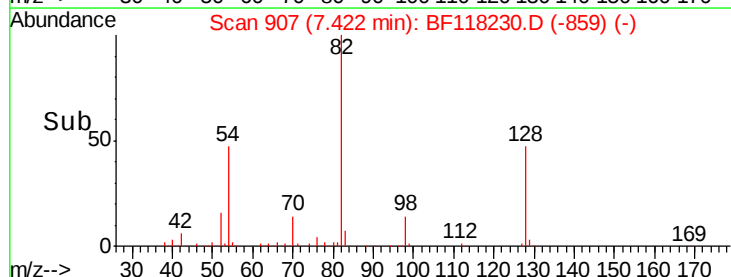
54 46.7 38.2 57.2

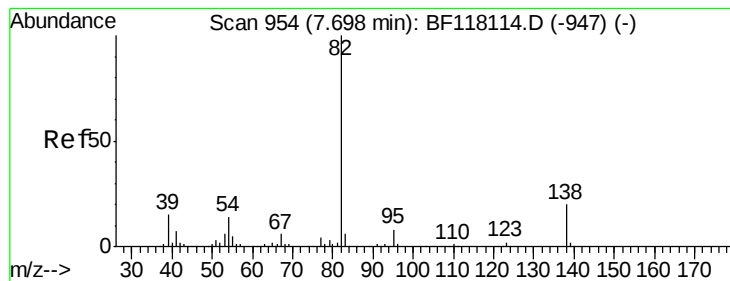


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.453 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF118230.D

Acq: 17 Dec 2019 17:02

Instrument :

BNA_F

ClientSampleId :

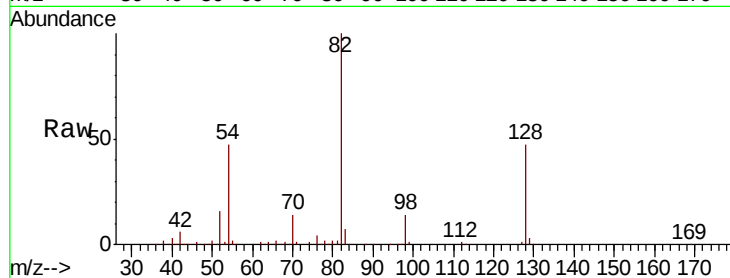
Tot Ion: 82 Resp: 491720

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

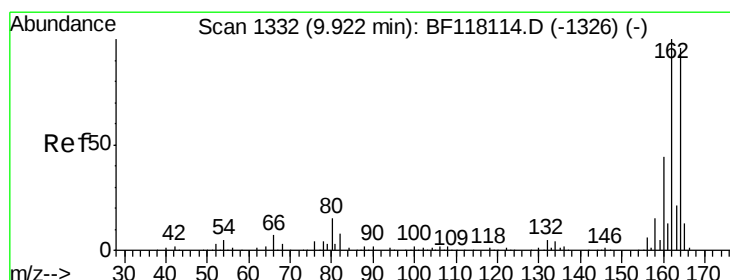
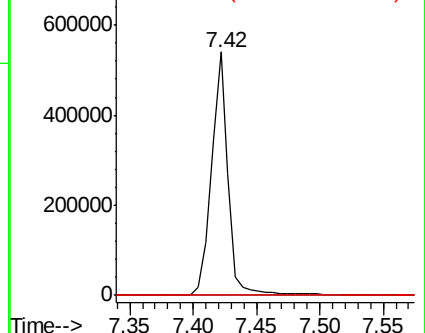
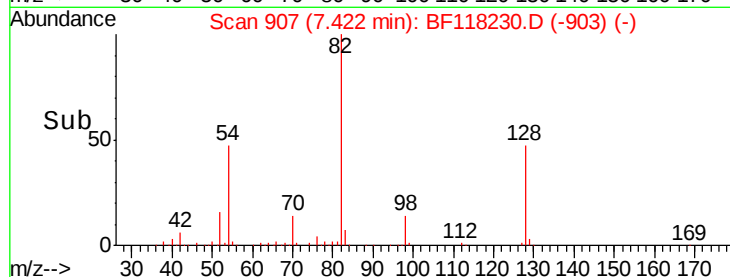
138 0.0 16.3 24.5#



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: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF118230.D

Acq: 17 Dec 2019 17:02

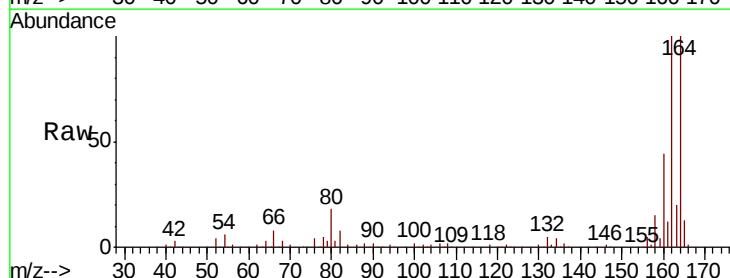
Tgt Ion:164 Resp: 273980

Ion Ratio Lower Upper

164 100

162 99.6 83.4 125.0

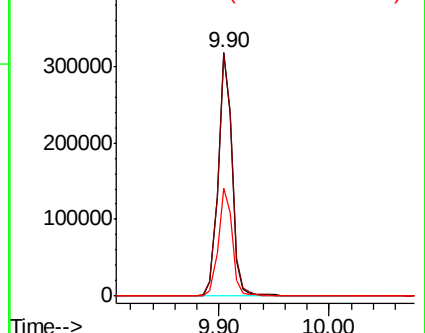
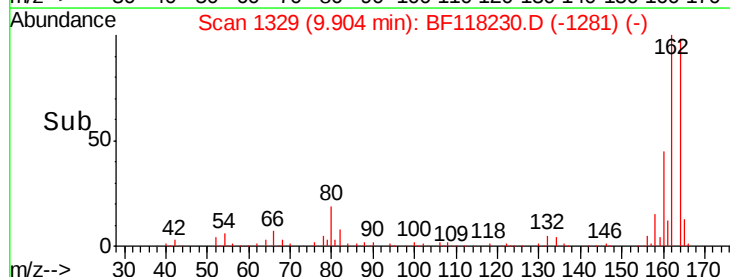
160 44.4 36.6 54.8

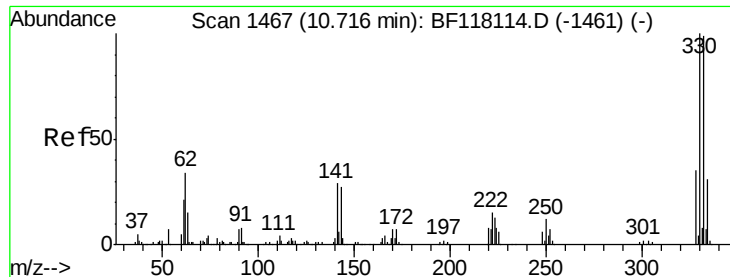


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

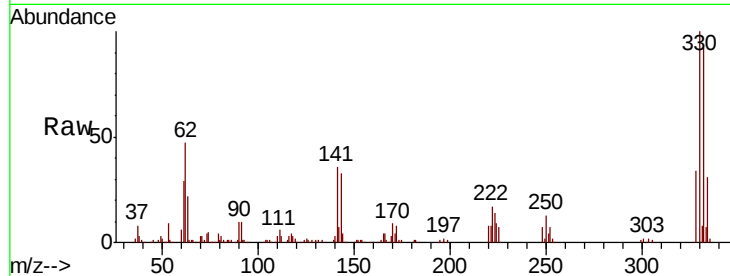




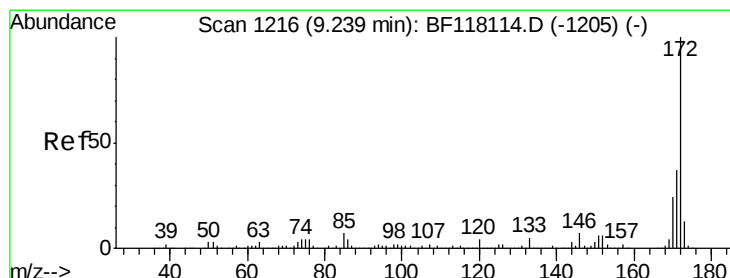
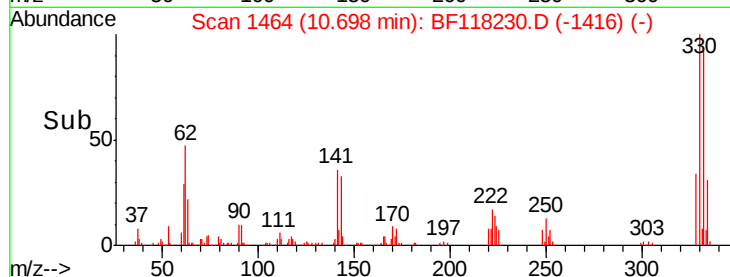
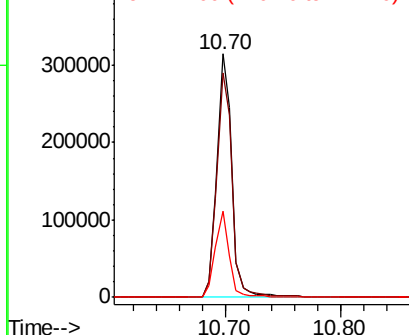
#42
 2,4,6-Tribromophenol
 Concen: 85.347 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF118230.D
 Acq: 17 Dec 2019 17:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 284064
 Ion Ratio Lower Upper
 330 100
 332 95.5 78.1 117.1
 141 33.4 26.9 40.3

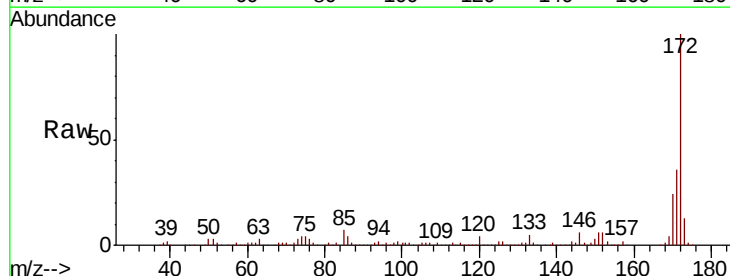


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

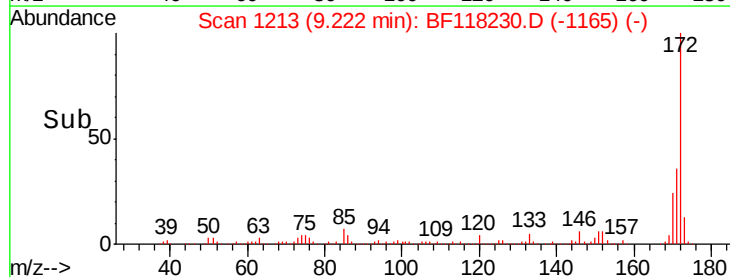
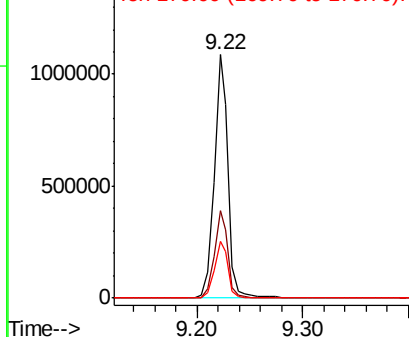


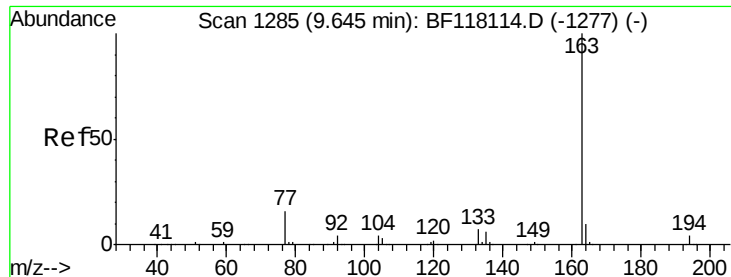
#45
 2-Fluorobiphenyl
 Concen: 55.843 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: BF118230.D
 Acq: 17 Dec 2019 17:02

Tgt Ion:172 Resp: 1005489
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.2 43.8
 170 23.5 19.4 29.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.560 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.03 min

Lab File: BF118230.D

Acq: 17 Dec 2019 17:02

Instrument :

BNA_F

ClientSampleId :

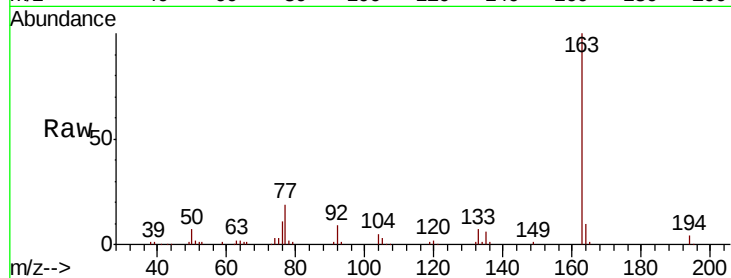
Tot Ion:163 Resp: 92276

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

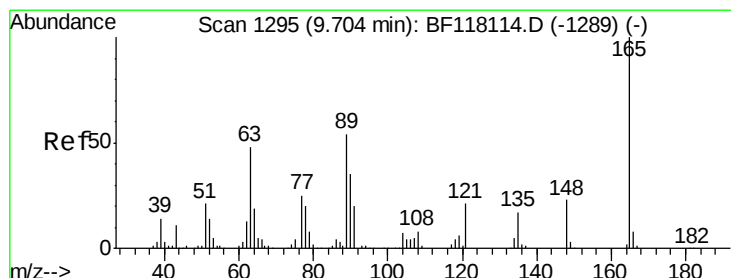
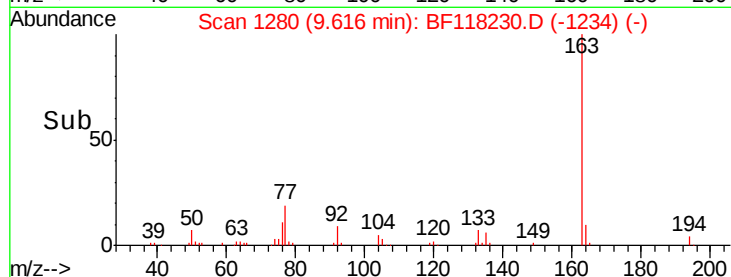
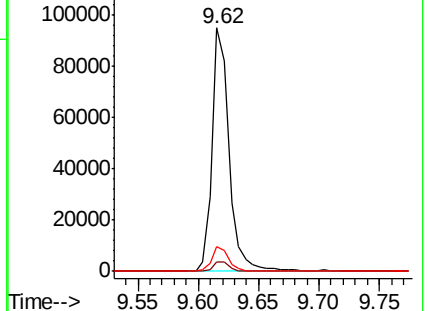
164 10.4 7.7 11.5



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: 7.980 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.20 min

Lab File: BF118230.D

Acq: 17 Dec 2019 17:02

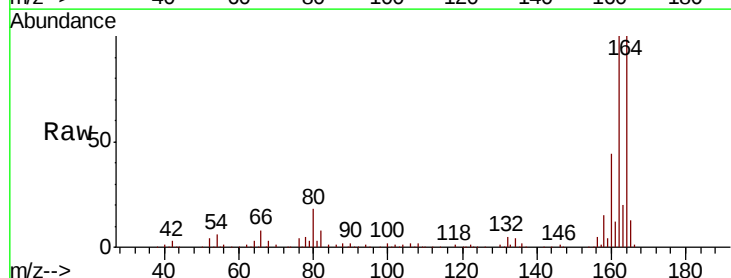
Tgt Ion:165 Resp: 35115

Ion Ratio Lower Upper

165 100

63 1.2 41.4 62.0#

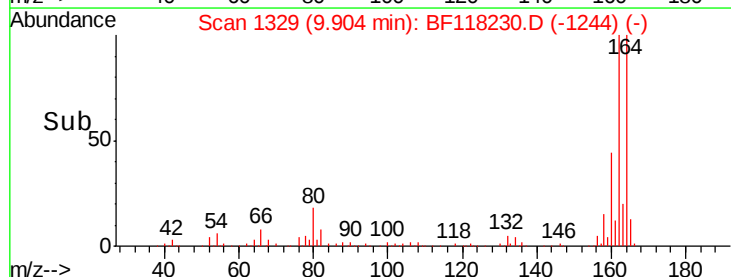
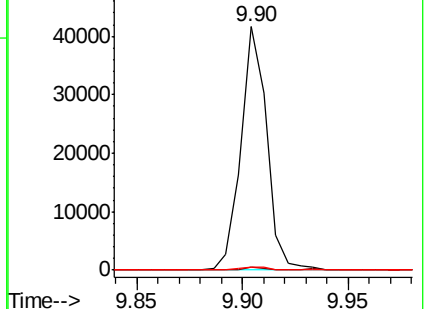
89 1.3 42.9 64.3#

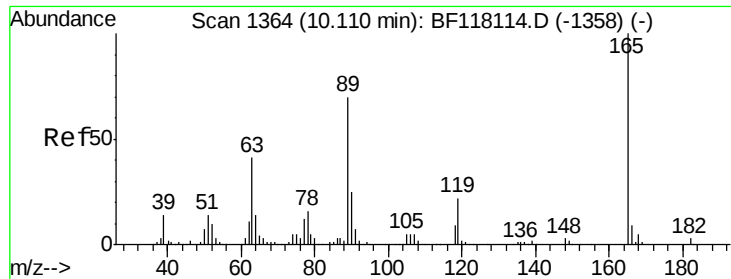


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

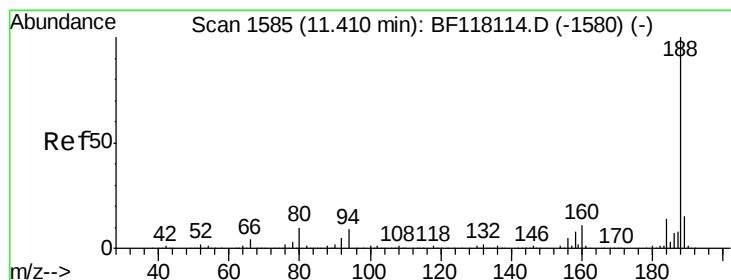
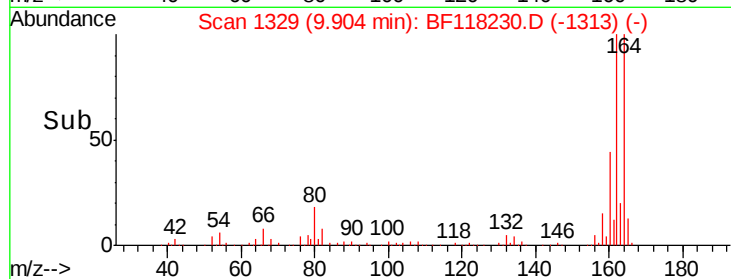
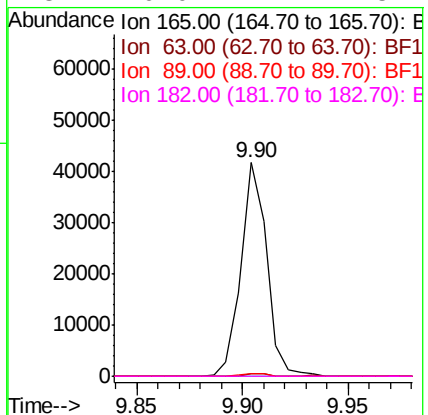
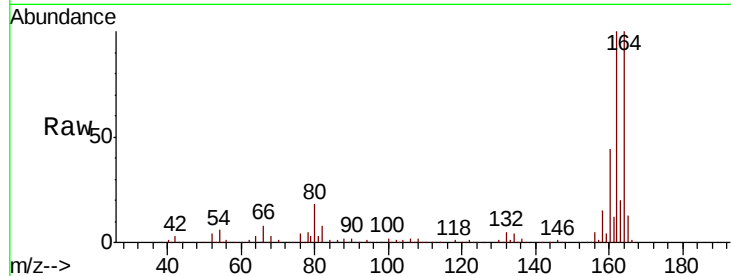




#57
 2,4-Dinitrotoluene
 Concen: 5.979 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF118230.D
 Acq: 17 Dec 2019 17:02

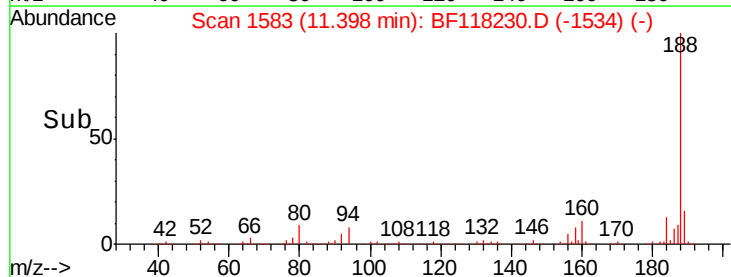
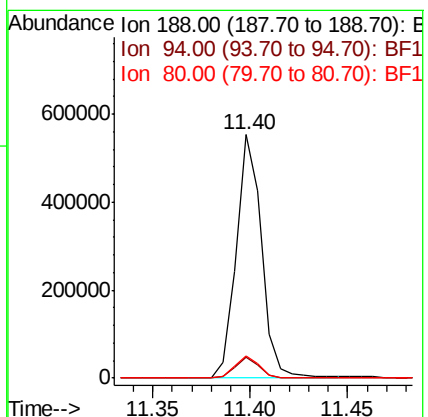
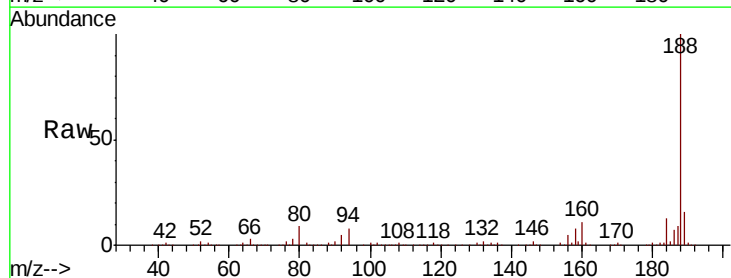
Instrument :
 BNA_F
 ClientSampleId :

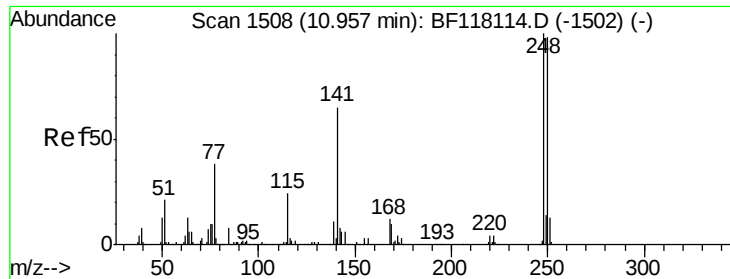
Tot Ion:165	Resp:	35115
Ion Ratio	Lower	Upper
165	100	
63	1.2	32.6 49.0#
89	1.3	56.1 84.1#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF118230.D
 Acq: 17 Dec 2019 17:02

Tgt Ion:188	Resp:	498617
Ion Ratio	Lower	Upper
188	100	
94	8.3	7.1 10.7
80	9.1	7.9 11.9

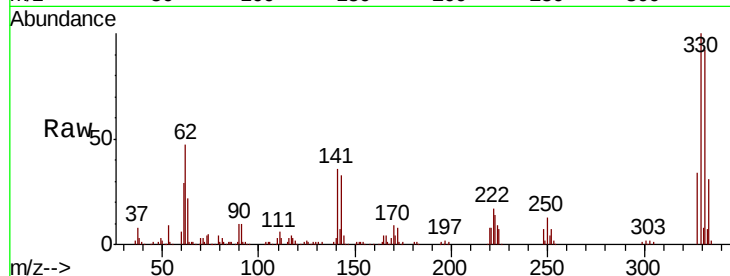




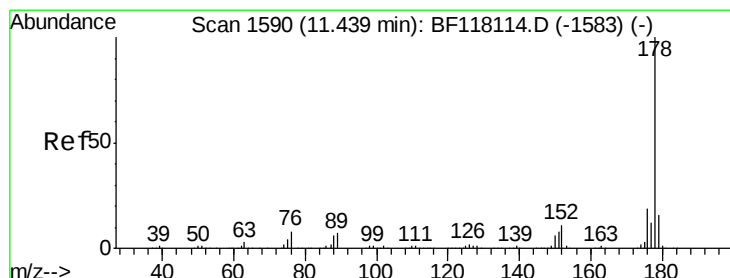
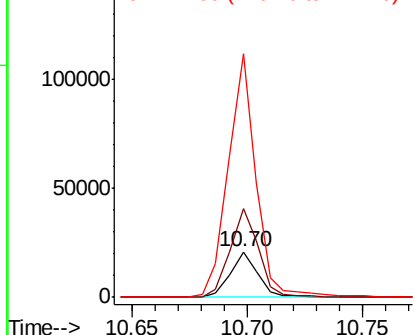
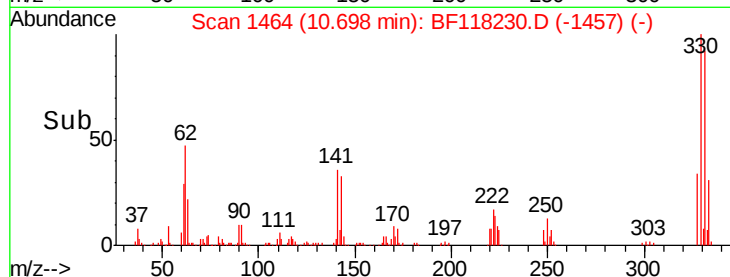
#67
 4-Bromophenyl-phenylether
 Concen: 3.048 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.26 min
 Lab File: BF118230.D
 Acq: 17 Dec 2019 17:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 17348
 Ion Ratio Lower Upper
 248 100
 250 193.8 78.3 117.5#
 141 533.8 52.2 78.4#

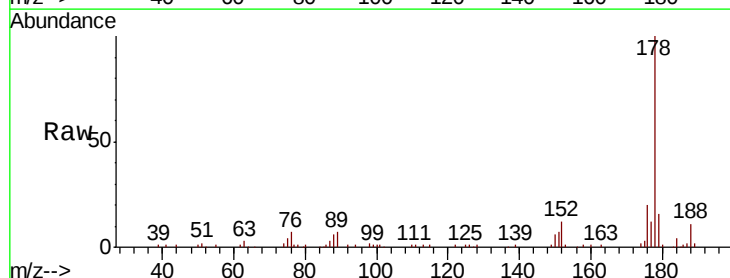


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

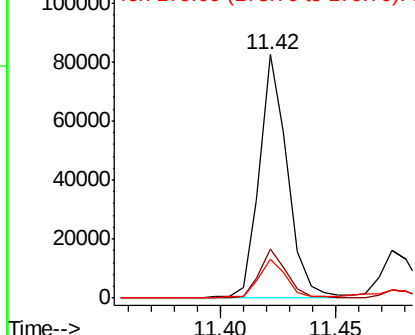
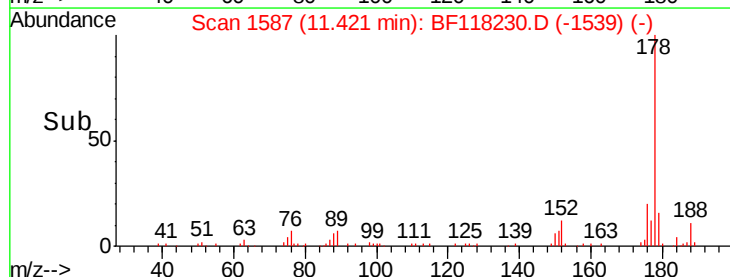


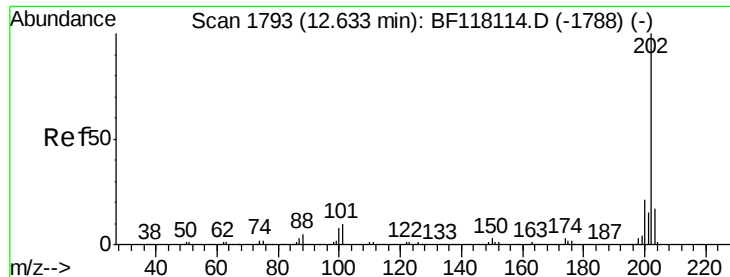
#71
 Phenanthrene
 Concen: 2.654 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.02 min
 Lab File: BF118230.D
 Acq: 17 Dec 2019 17:02

Tgt Ion:178 Resp: 70350
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.5 23.3
 179 16.0 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 2.653 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF118230.D

Acq: 17 Dec 2019 17:02

Instrument :

BNA_F

ClientSampleId :

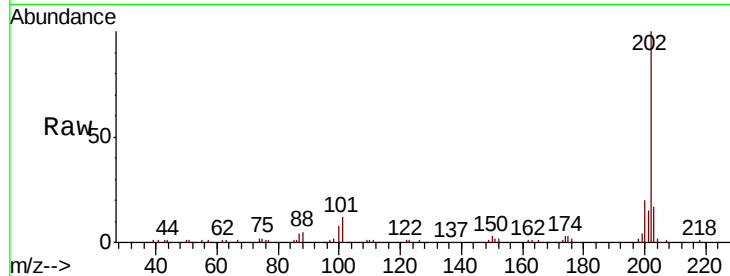
Tot Ion:202 Resp: 71908

Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.4

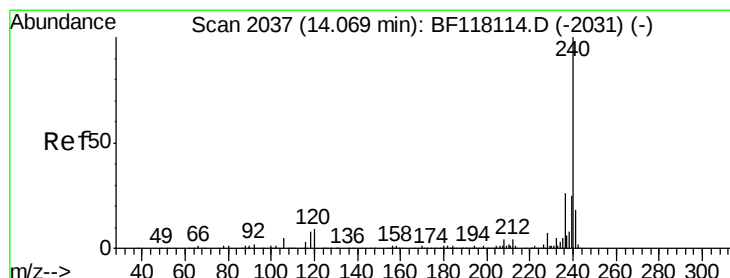
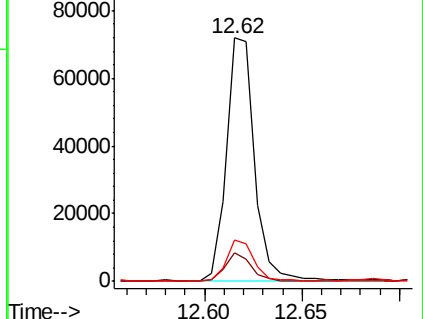
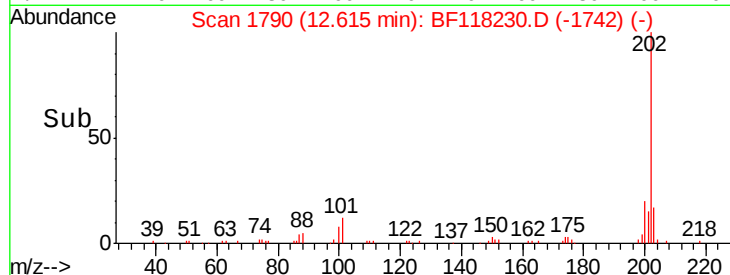
203 17.2 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF118230.D

Acq: 17 Dec 2019 17:02

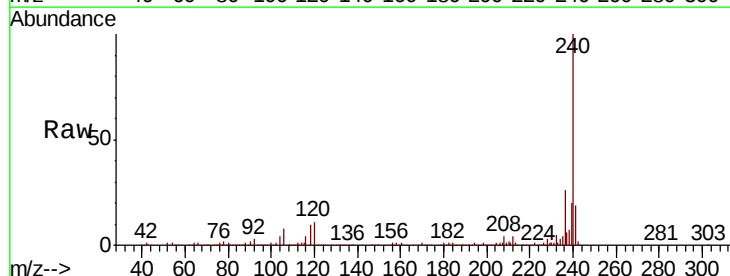
Tgt Ion:240 Resp: 306236

Ion Ratio Lower Upper

240 100

120 11.0 7.1 10.7#

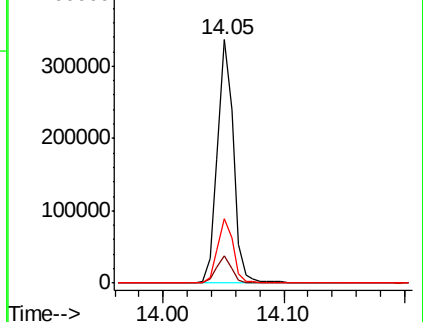
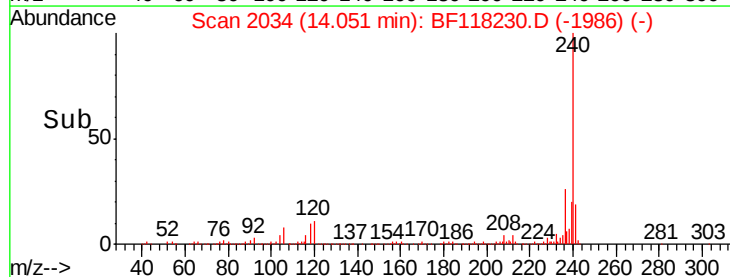
236 26.3 21.0 31.6

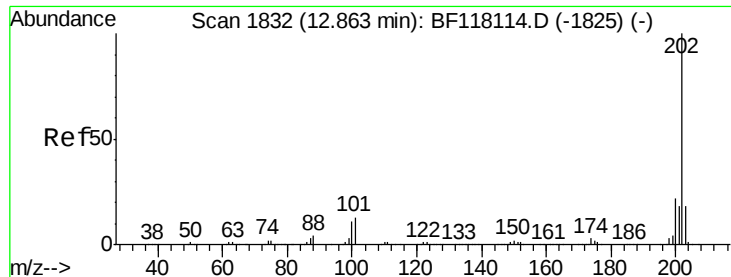


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

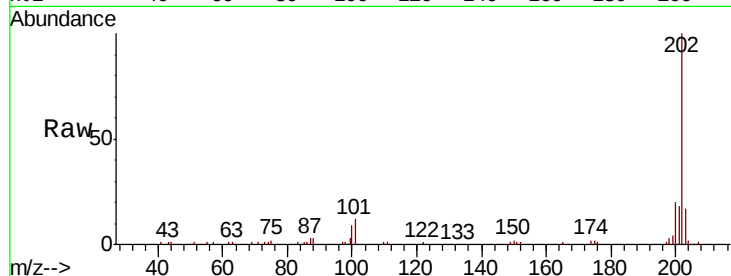




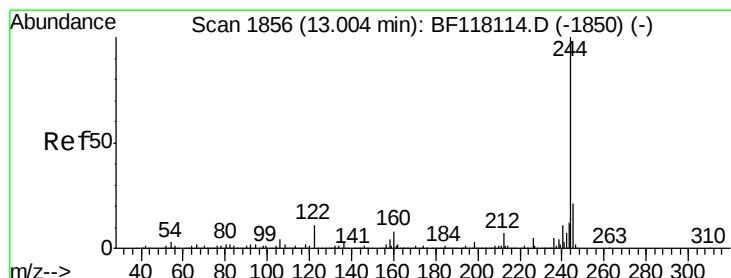
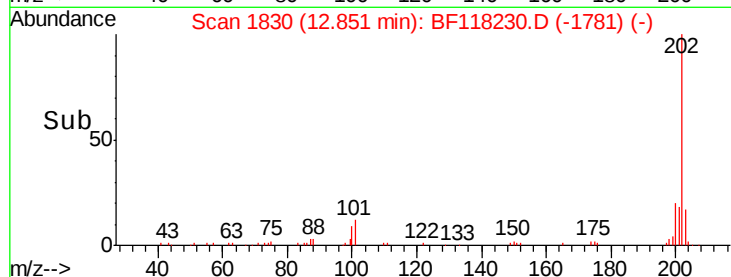
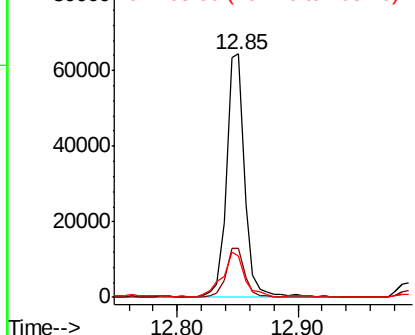
#78
Pvrene
Concen: 2.788 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118230.D
Acq: 17 Dec 2019 17:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 67271
Ion Ratio Lower Upper
202 100
200 19.9 17.5 26.3
203 17.1 14.6 21.8

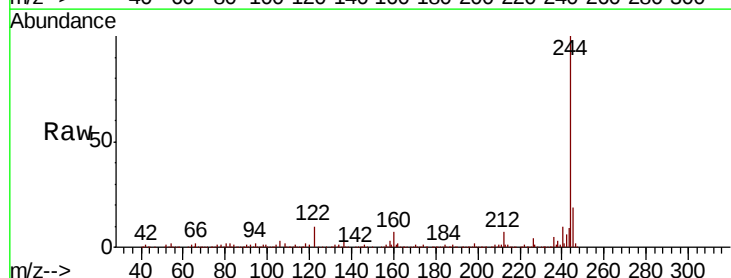


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

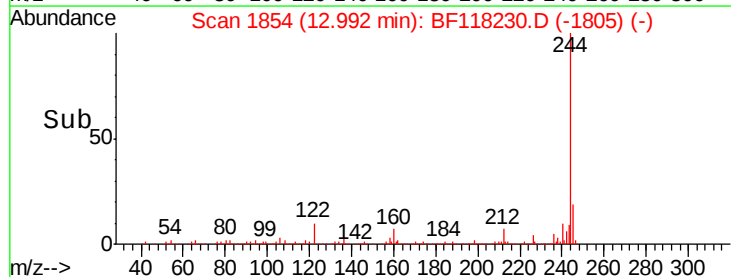
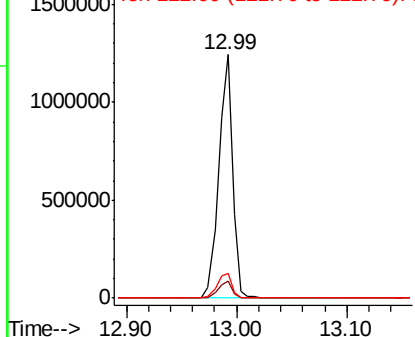


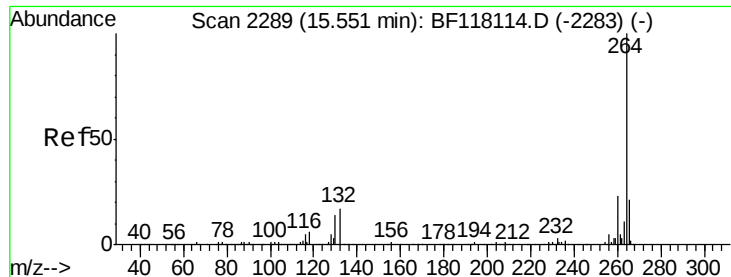
#79
Terphenyl-d14
Concen: 60.869 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF118230.D
Acq: 17 Dec 2019 17:02

Tgt Ion:244 Resp: 1083976
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 10.0 9.0 13.6



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





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF118230.D
Acq: 17 Dec 2019 17:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	20.6	16.8	25.2

