

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121919\
 Data File : BF118292.D
 Acq On : 19 Dec 2019 21:16
 Operator : JU
 Sample : K6359-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 02:15:05 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

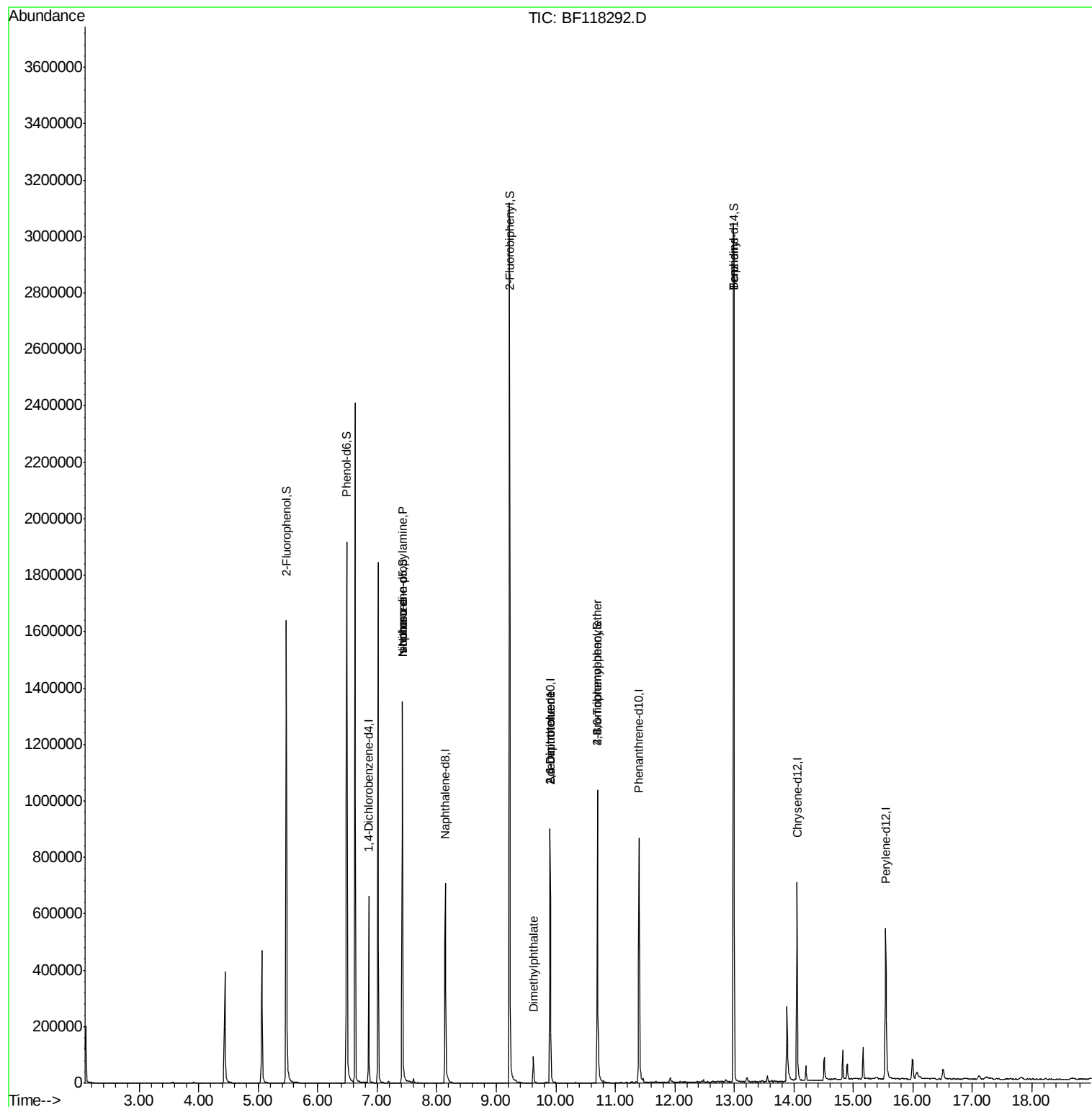
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	92838	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	366086	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	193096	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	368561	20.00	ng	-0.01
76) Chrysene-d12	14.05	240	262472	20.00	ng	-0.02
87) Perylene-d12	15.54	264	259956	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	490976	92.63	ng	0.00
7) Phenol-d6	6.49	99	690055	107.63	ng	-0.01
23) Nitrobenzene-d5	7.42	82	432372	66.44	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	158320	67.49	ng	-0.02
45) 2-Fluorobiphenyl	9.22	172	915670	72.16	ng	-0.02
79) Terphenyl-d14	12.99	244	1126462	73.80	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	1106	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.42	70	55706	14.299	ng	# 81
25) Isophorone	7.42	82	432369	39.195	ng	# 62
50) Dimethylphthalate	9.62	163	51487	3.610	ng	# 99
51) 2,6-Dinitrotoluene	9.90	165	24240	7.816	ng	# 27
57) 2,4-Dinitrotoluene	9.90	165	24240	5.856	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	9811	2.332	ng	# 1
77) Benzidine	12.99	184	14868	2.152	ng	# 91

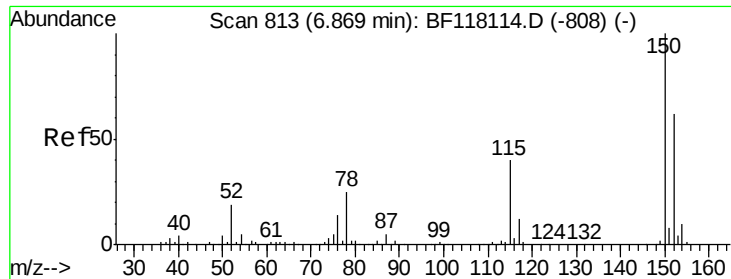
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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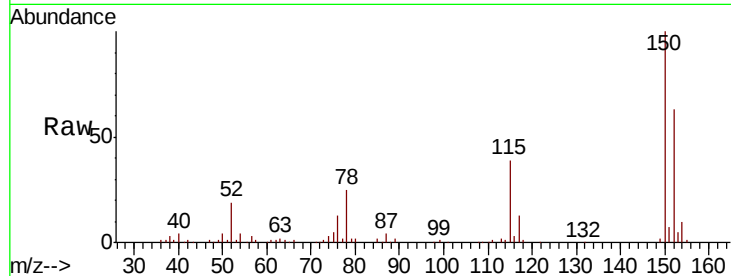


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118292.D
Acq: 19 Dec 2019 21:16

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	128.3	192.5
115	61.3	51.1	76.7

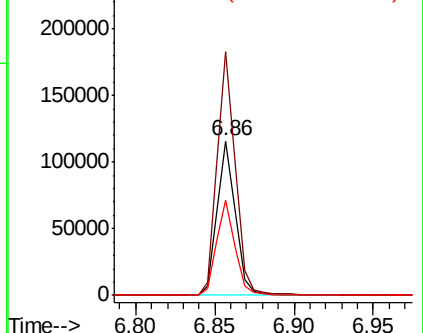
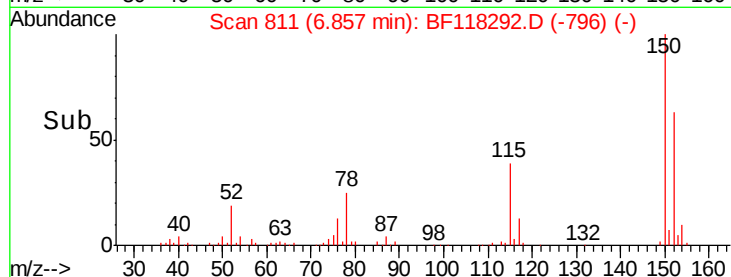


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

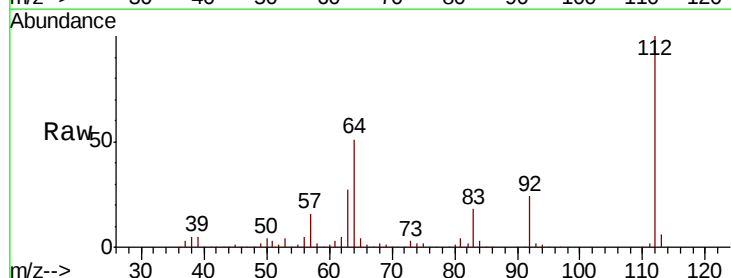
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.627 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118292.D
Acq: 19 Dec 2019 21:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.1	41.3	61.9
63	26.8	22.4	33.6

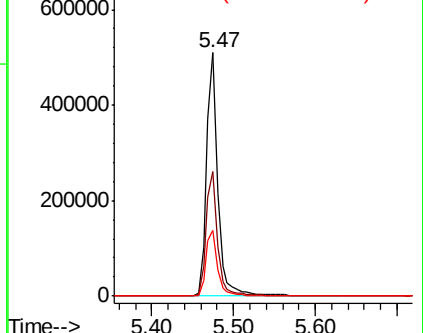
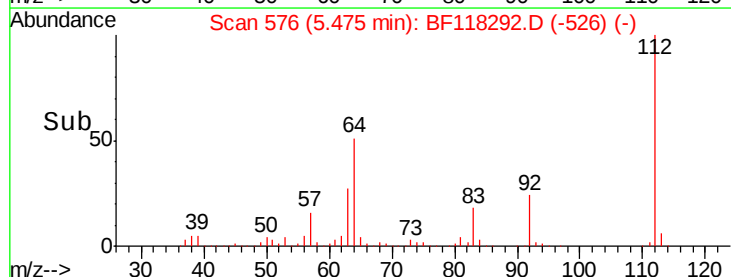


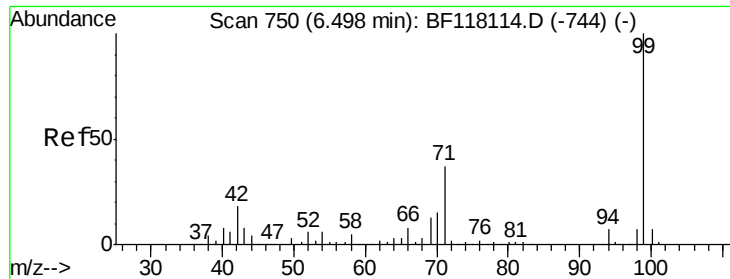
Abundance

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: 107.632 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF118292.D

Acq: 19 Dec 2019 21:16

Instrument :

BNA_F

ClientSampleId :

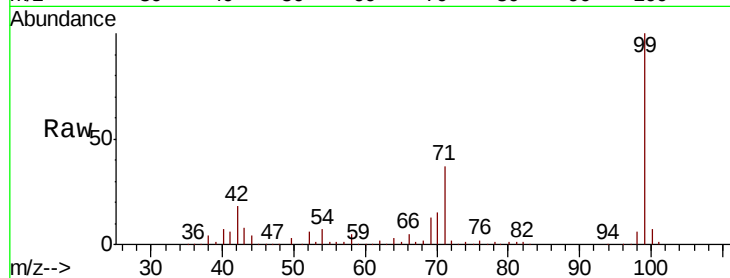
Tot Ion: 99 Resp: 690055

Ion Ratio Lower Upper

99 100

42 18.1 14.1 21.1

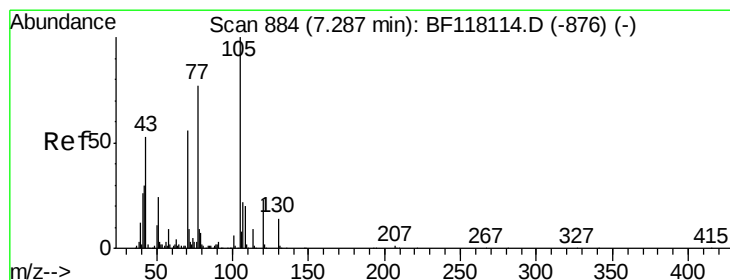
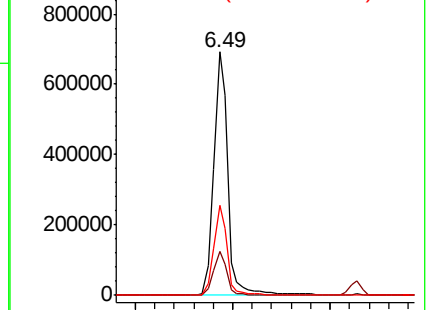
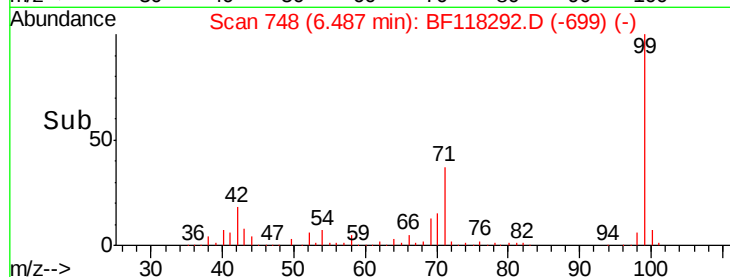
71 37.1 29.7 44.5



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: 14.299 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF118292.D

Acq: 19 Dec 2019 21:16

Tgt Ion: 70 Resp: 55706

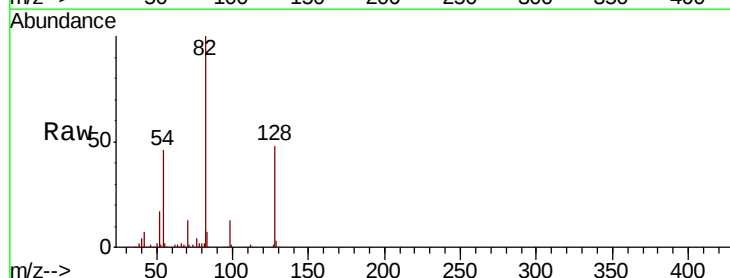
Ion Ratio Lower Upper

70 100

42 49.6 43.2 64.8

101 0.0 8.1 12.1#

130 2.5 19.8 29.8#

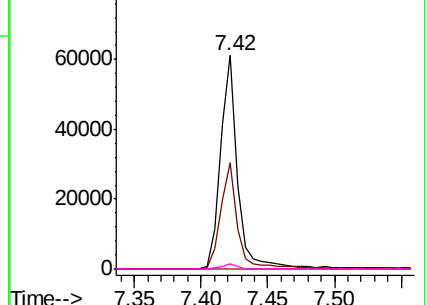
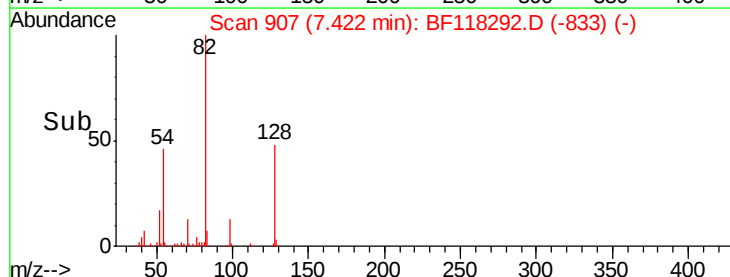


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF118292.D

Acq: 19 Dec 2019 21:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 366086

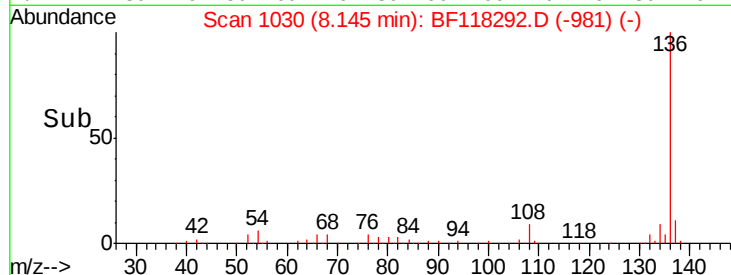
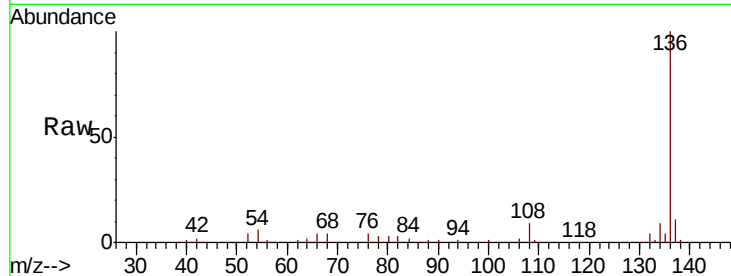
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 5.8 5.0 7.6

68 4.0 3.8 5.8

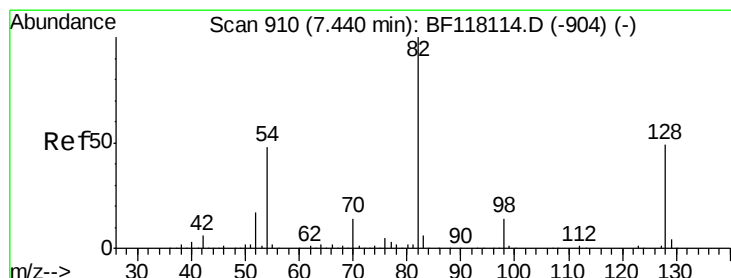
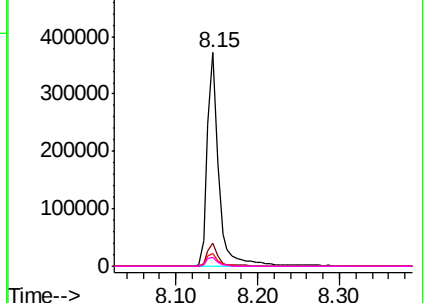


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.444 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF118292.D

Acq: 19 Dec 2019 21:16

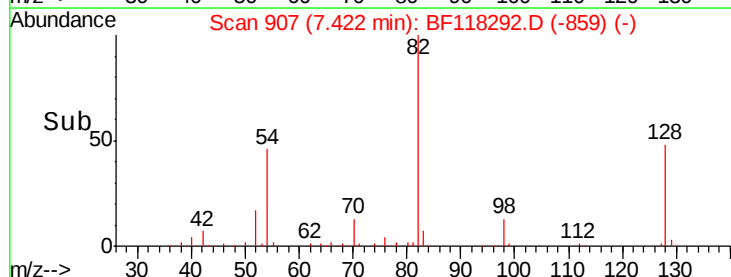
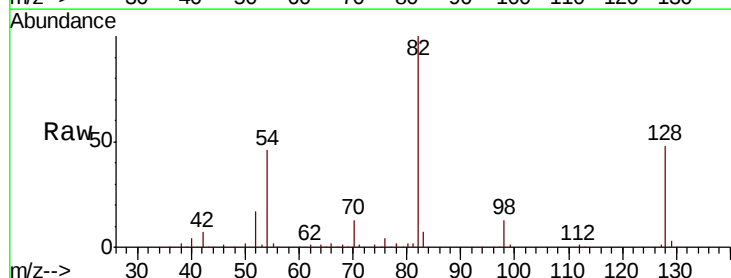
Tgt Ion: 82 Resp: 432372

Ion Ratio Lower Upper

82 100

128 47.6 39.1 58.7

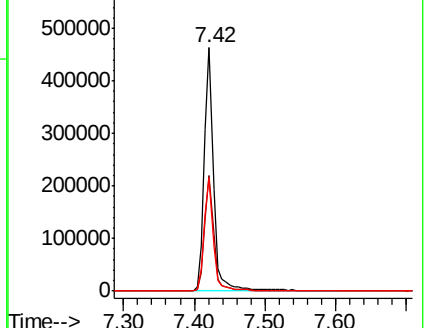
54 46.4 38.2 57.2

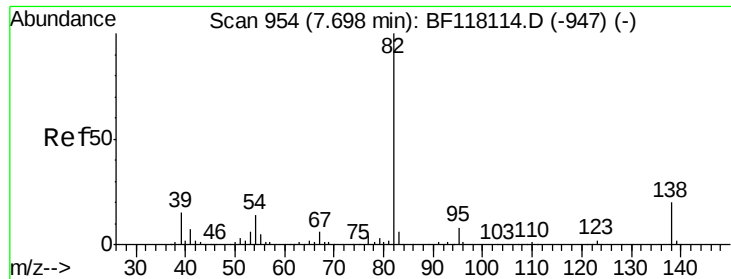


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.195 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF118292.D

Acq: 19 Dec 2019 21:16

Instrument :

BNA_F

ClientSampled :

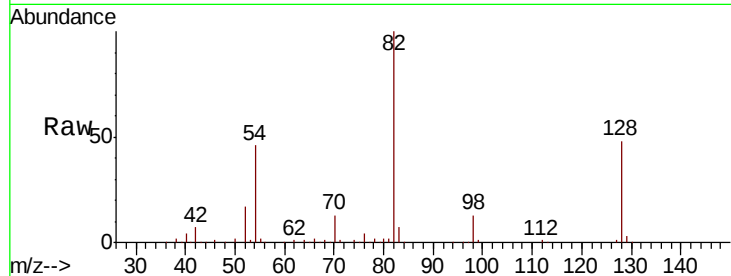
Tot Ion: 82 Resp: 432369

Ion Ratio Lower Upper

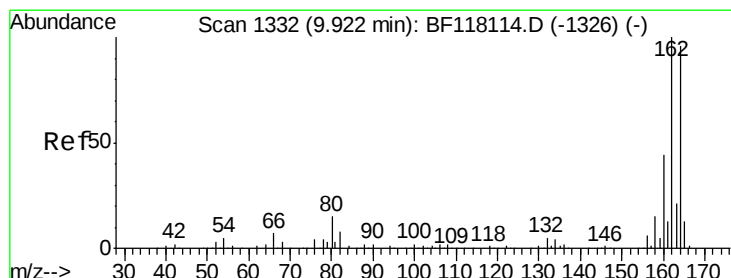
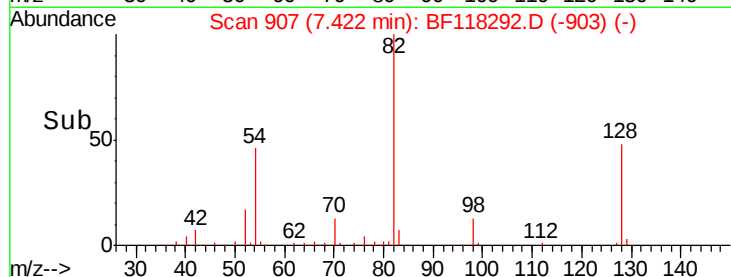
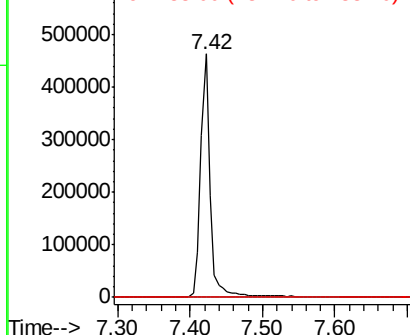
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF118292.D

Acq: 19 Dec 2019 21:16

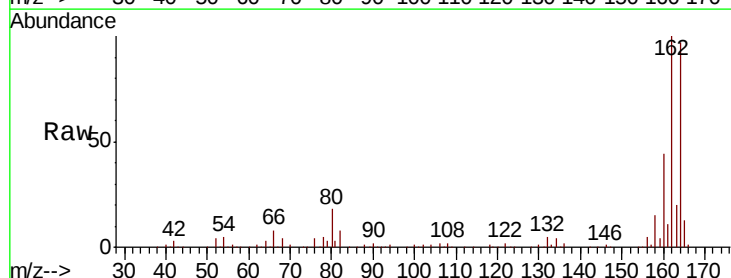
Tgt Ion: 164 Resp: 193096

Ion Ratio Lower Upper

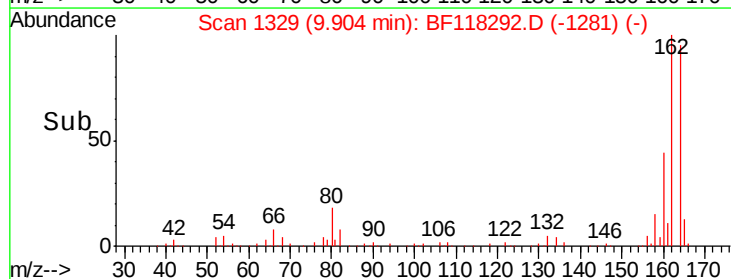
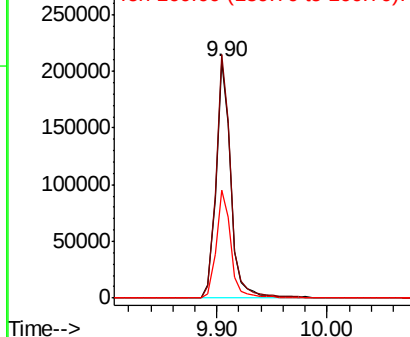
164 100

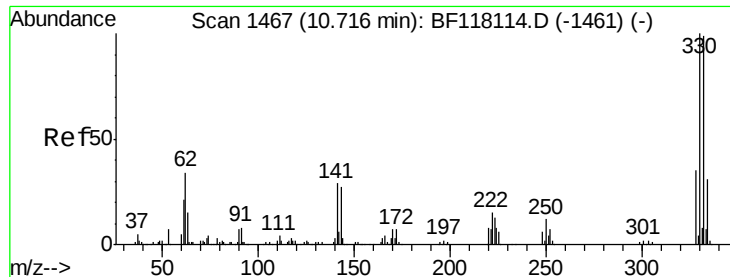
162 102.8 83.4 125.0

160 45.3 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: 67.492 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.02 min

Lab File: BF118292.D

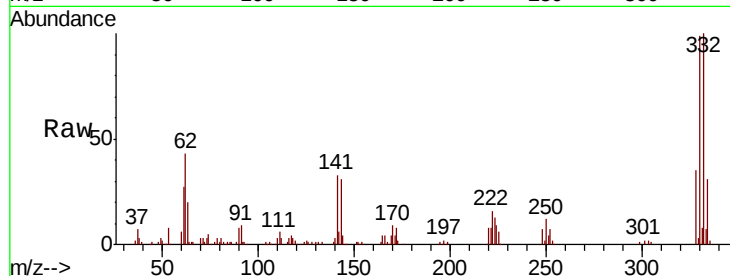
Acq: 19 Dec 2019 21:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	158320
Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.1	117.1
141	32.7	26.9	40.3

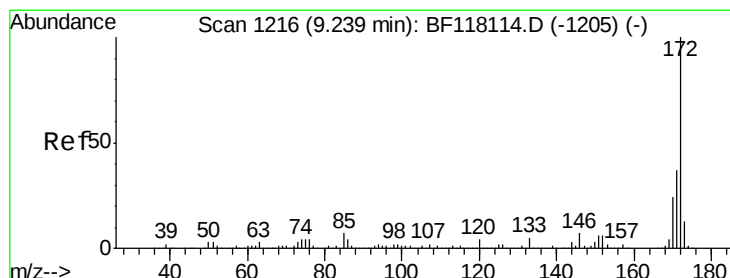
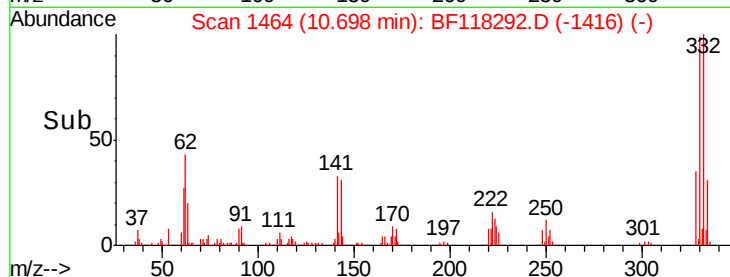
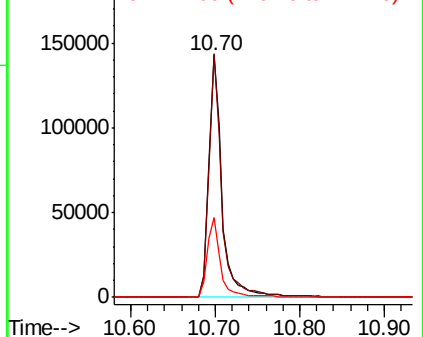


Abundance

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: 72.157 ng

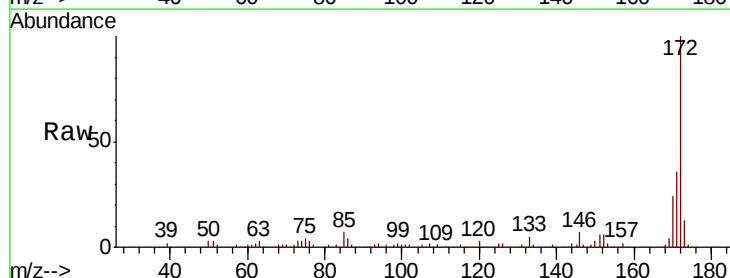
RT: 9.22 min Scan# 1213

Delta R.T. -0.02 min

Lab File: BF118292.D

Acq: 19 Dec 2019 21:16

Tgt Ion:	172	Resp:	915670
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	24.0	19.4	29.2

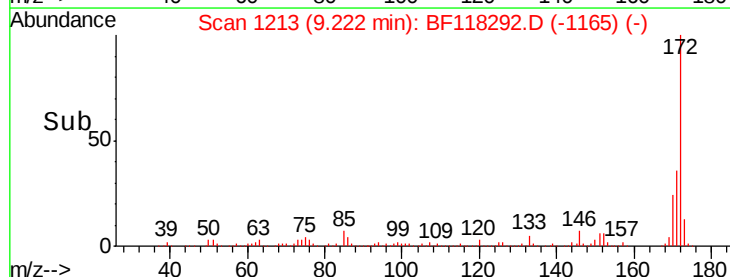
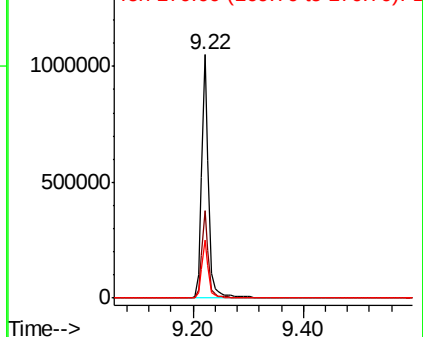


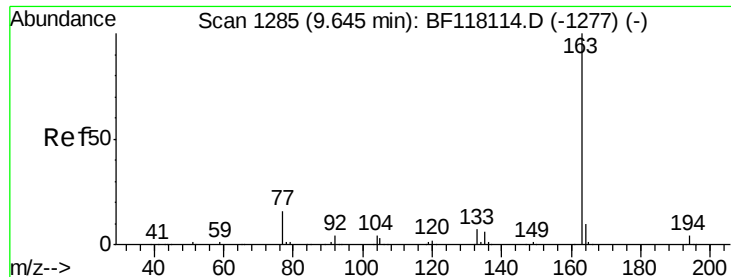
Abundance

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

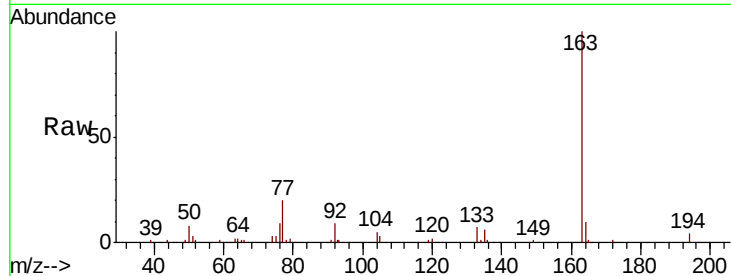




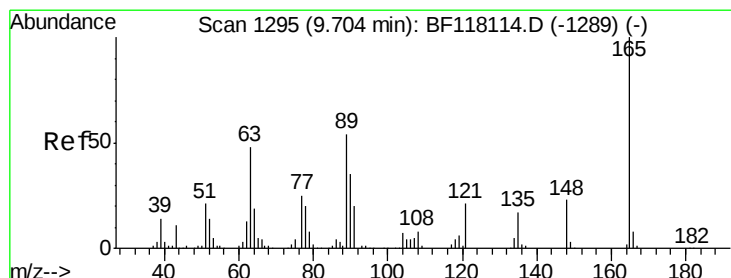
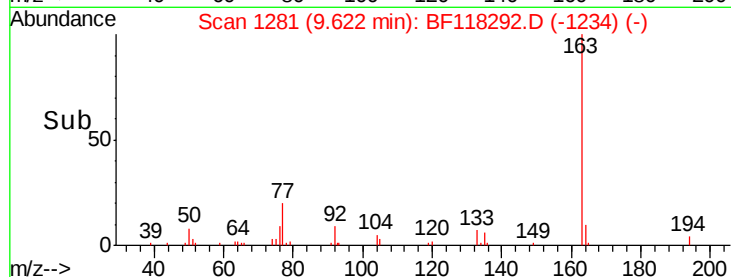
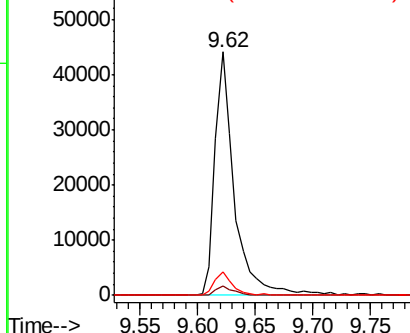
#50
Dimethylphthalate
Concen: 3.610 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118292.D
Acq: 19 Dec 2019 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 51487
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.9 7.7 11.5

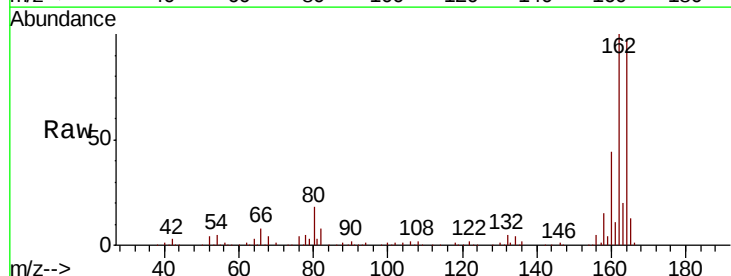


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

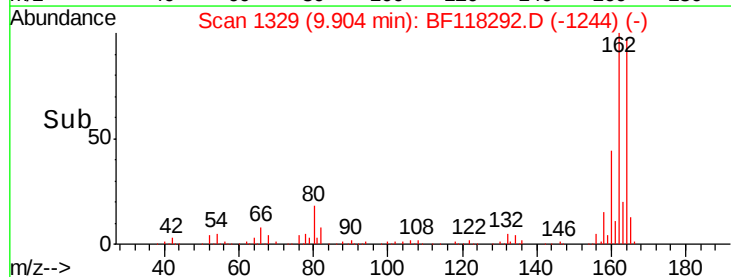
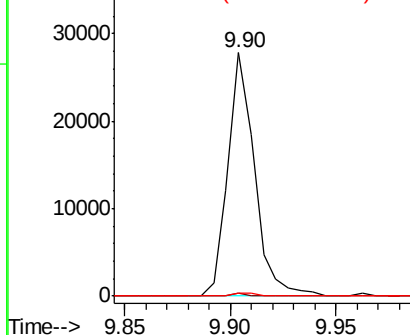


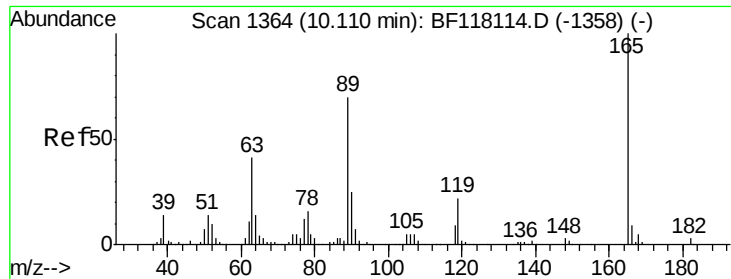
#51
2,6-Dinitrotoluene
Concen: 7.816 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.20 min
Lab File: BF118292.D
Acq: 19 Dec 2019 21:16

Tgt Ion:165 Resp: 24240
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

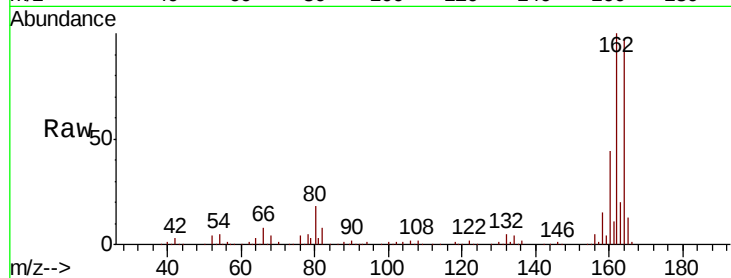




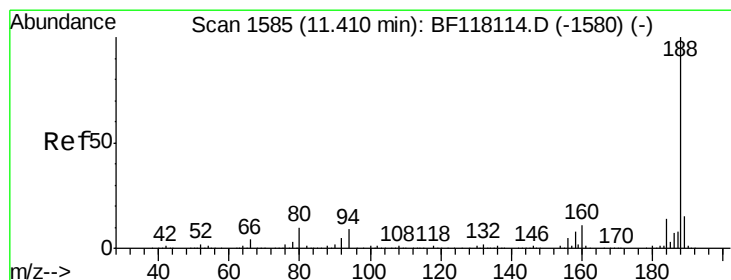
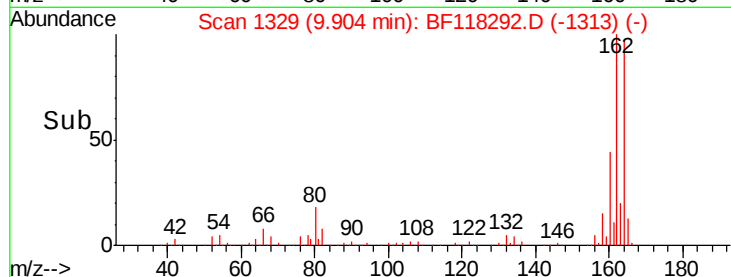
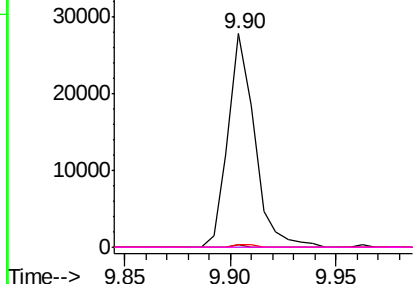
#57
 2,4-Dinitrotoluene
 Concen: 5.856 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.21 min
 Lab File: BF118292.D
 Acq: 19 Dec 2019 21:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	24240
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#

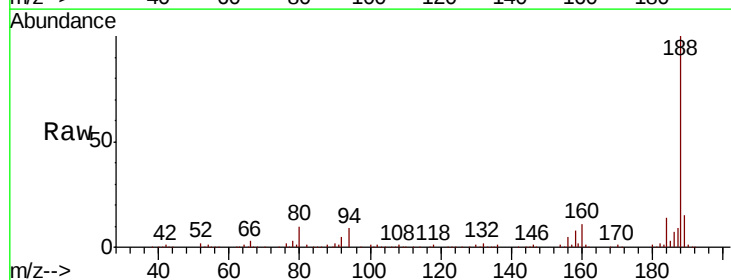


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

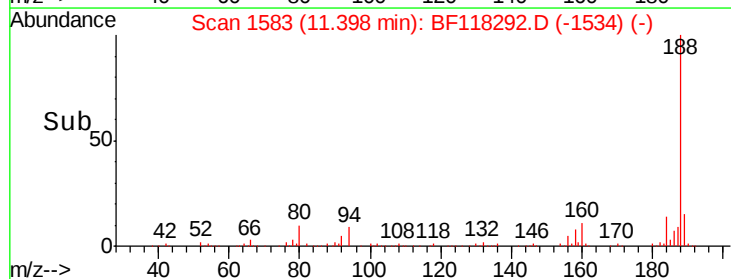
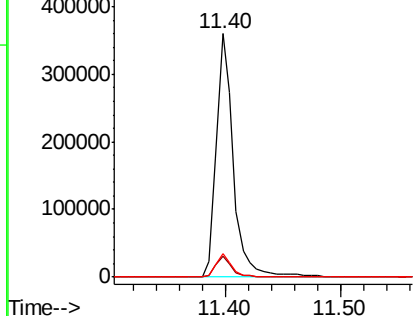


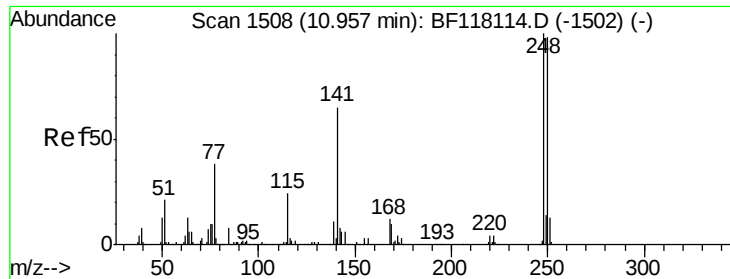
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF118292.D
 Acq: 19 Dec 2019 21:16

Tgt Ion:188	Resp:	368561
Ion Ratio	Lower	Upper
188	100	
94	8.7	7.1 10.7
80	9.7	7.9 11.9



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

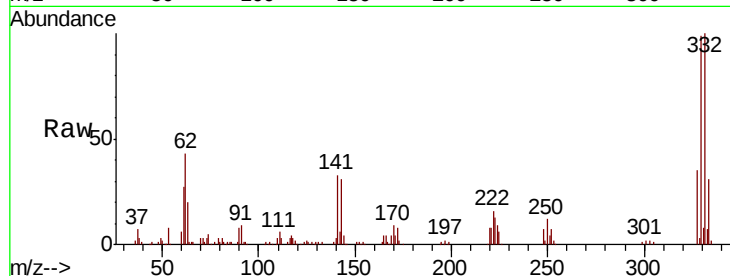




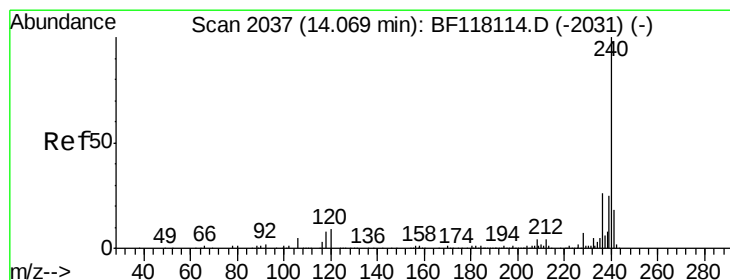
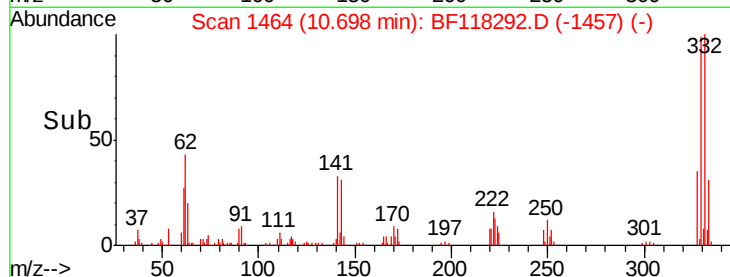
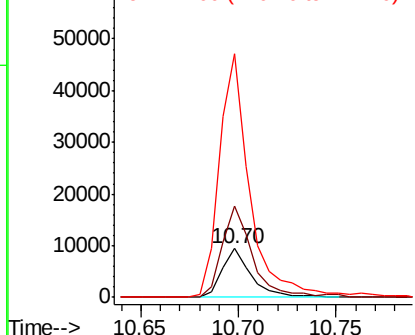
#67
4-Bromophenyl-phenylether
Concen: 2.332 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.26 min
Lab File: BF118292.D
Acq: 19 Dec 2019 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9811
Ion Ratio Lower Upper
248 100
250 188.7 78.3 117.5#
141 502.3 52.2 78.4#

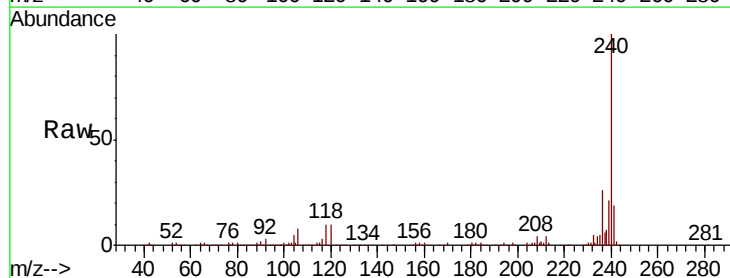


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

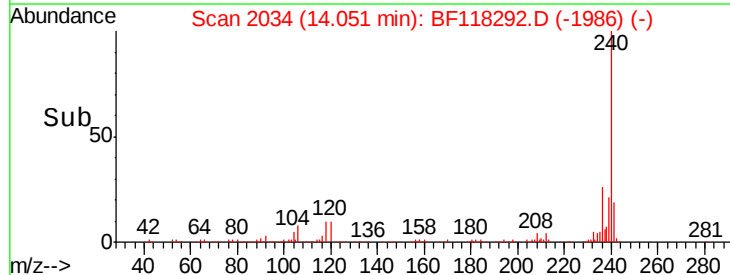
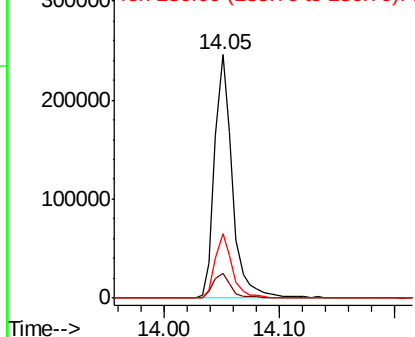


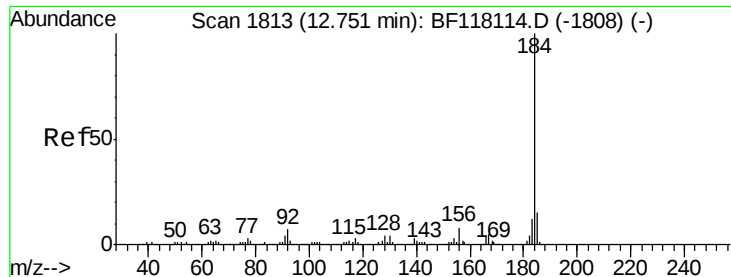
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF118292.D
Acq: 19 Dec 2019 21:16

Tgt Ion:240 Resp: 262472
Ion Ratio Lower Upper
240 100
120 10.1 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





#77

Benzidine

Concen: 2.152 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.24 min

Lab File: BF118292.D

Acq: 19 Dec 2019 21:16

Instrument :

BNA_F

ClientSampleId :

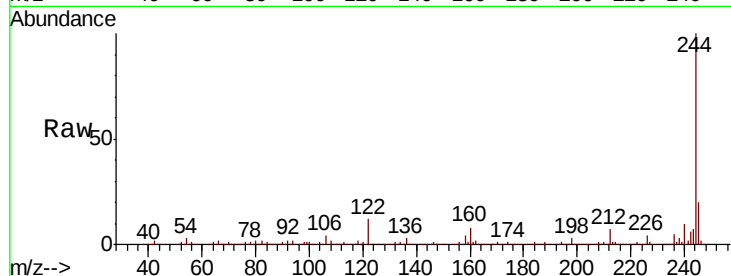
Tot Ion:184 Resp: 14868

Ion Ratio Lower Upper

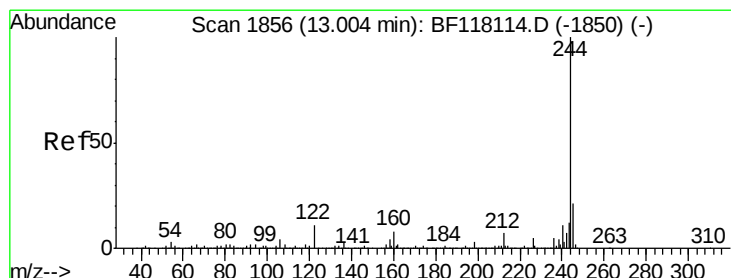
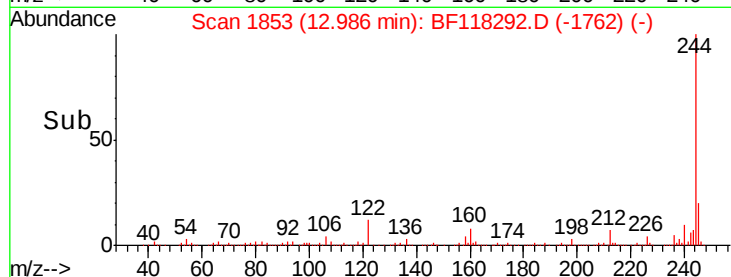
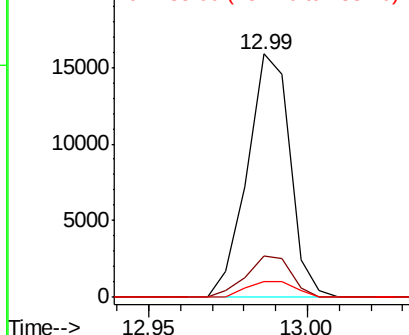
184 100

185 17.0 12.3 18.5

183 6.5 9.9 14.9#



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: 73.802 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF118292.D

Acq: 19 Dec 2019 21:16

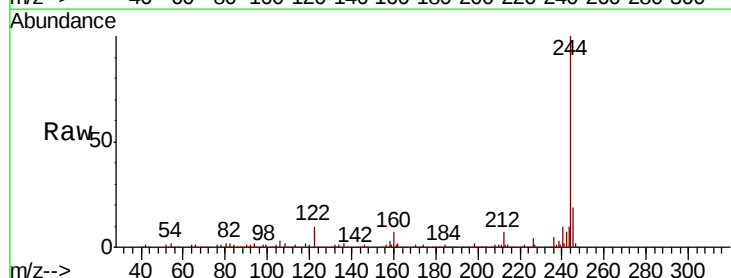
Tgt Ion:244 Resp: 1126462

Ion Ratio Lower Upper

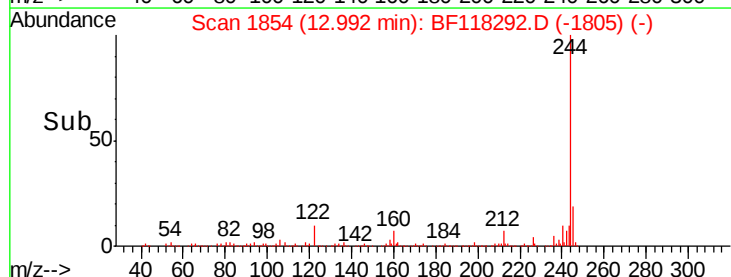
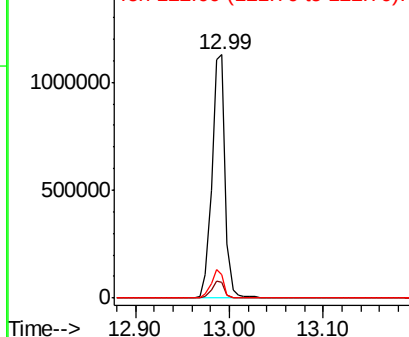
244 100

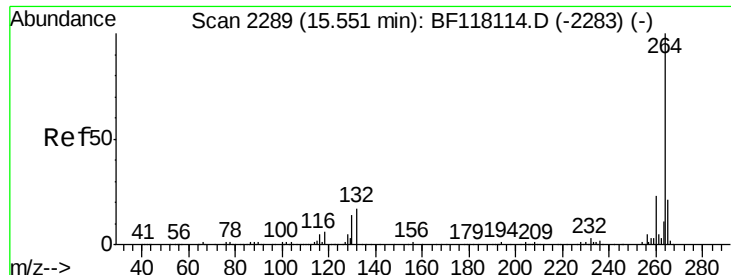
212 6.6 5.9 8.9

122 9.6 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# 2288
Delta R.T. -0.01 min
Lab File: BF118292.D
Acq: 19 Dec 2019 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.6	28.0
265	21.0	16.8	25.2

