

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116767.D
 Acq On : 3 Sep 2019 12:51
 Operator : HP/JU
 Sample : PB122729BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 03 13:30:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

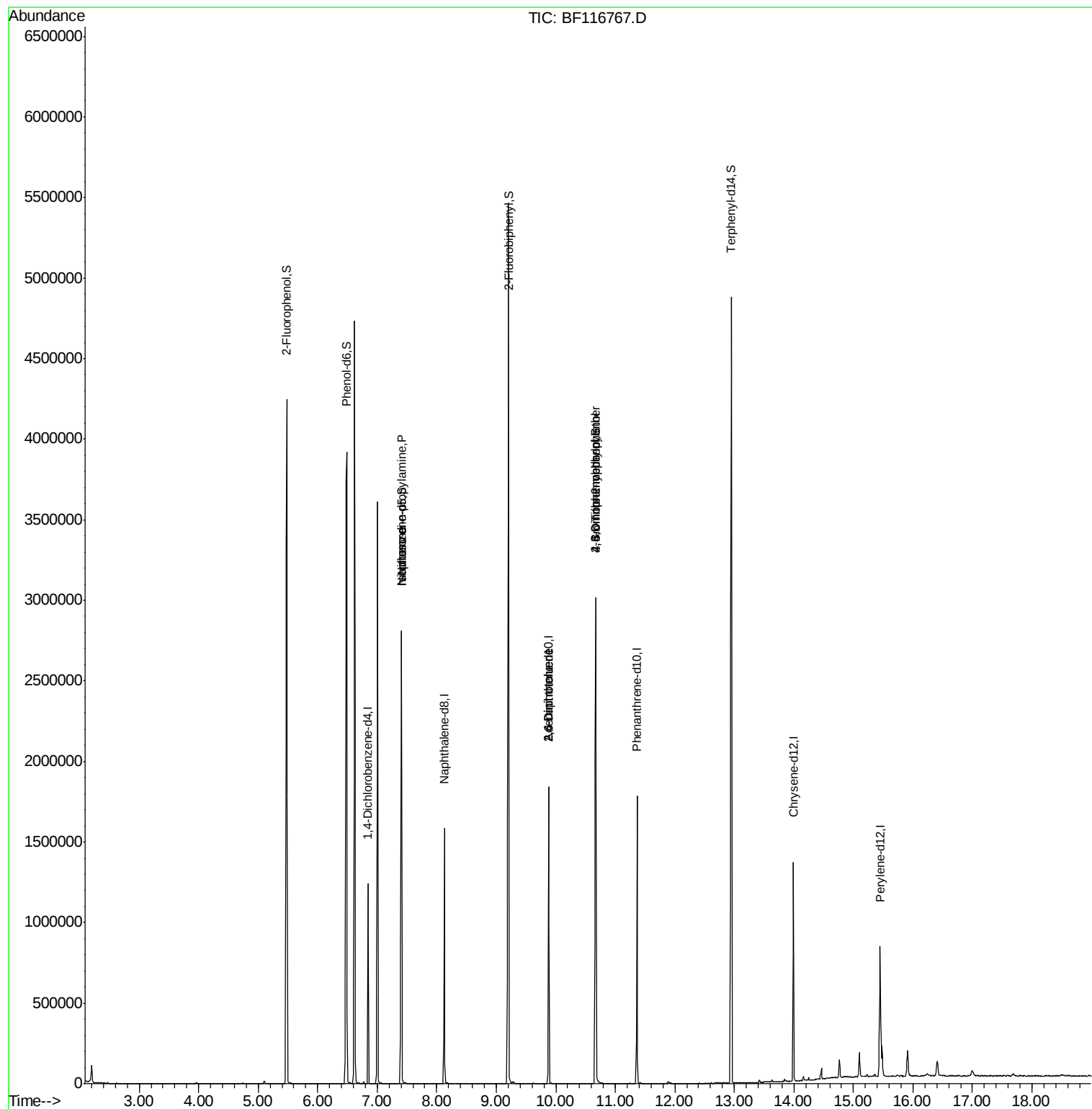
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	176995	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	702739	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	363788	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	589258	20.00	ng	0.00
76) Chrysene-d12	13.99	240	405647	20.00	ng	0.00
87) Perylene-d12	15.44	264	352830	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1349180	123.49	ng	0.02
7) Phenol-d6	6.49	99	1778666	123.98	ng	0.00
23) Nitrobenzene-d5	7.41	82	1125358	91.42	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	360460	148.22	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1866207	86.54	ng	0.00
79) Terphenyl-d14	12.95	244	1781106	81.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	149388	15.815	ng	# 73
25) Isophorone	7.41	82	1121782	44.972	ng	# 66
51) 2,6-Dinitrotoluene	9.88	165	46801	9.767	ng	# 20
57) 2,4-Dinitrotoluene	9.88	165	46801	7.987	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.67	198	807	7.765	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	23182	3.873	ng	# 1

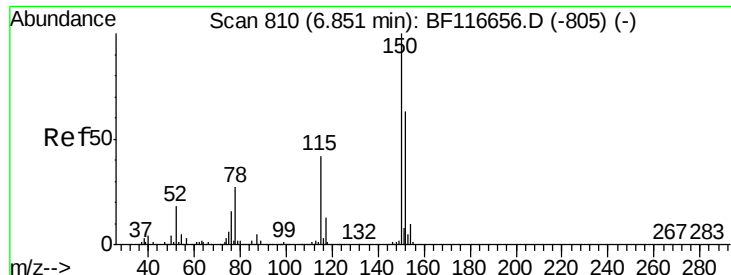
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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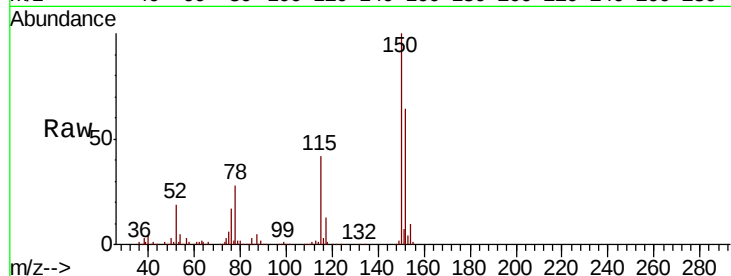


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116767.D
Acq: 3 Sep 2019 12:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.4	186.6
115	65.5	49.9	74.9

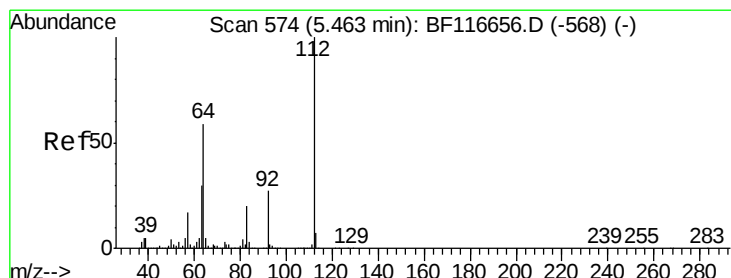
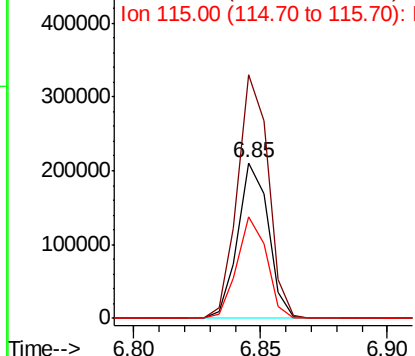
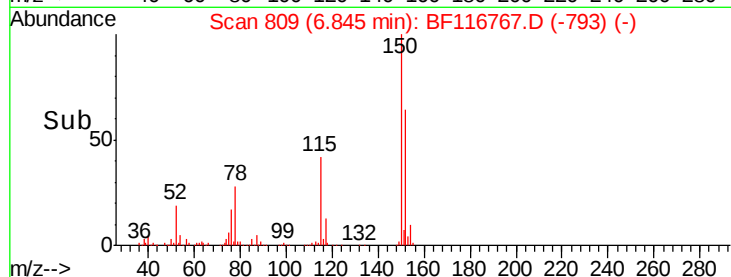


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

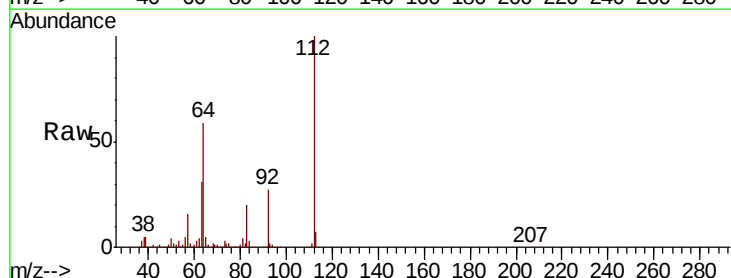
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.492 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.02 min
Lab File: BF116767.D
Acq: 3 Sep 2019 12:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.1	70.7
63	30.8	24.9	37.3

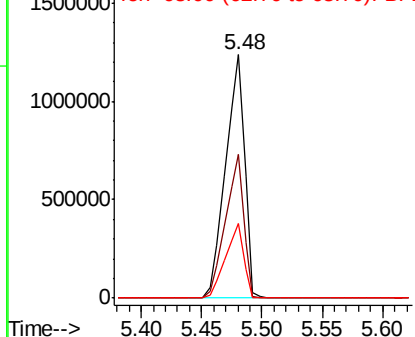
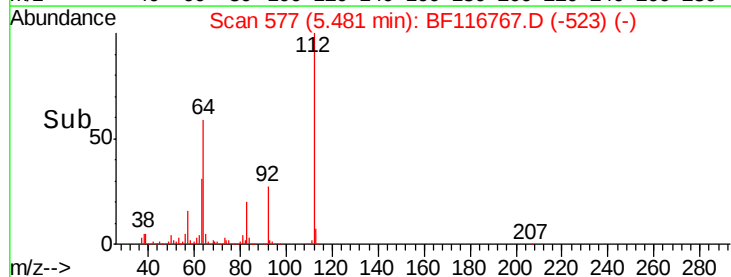


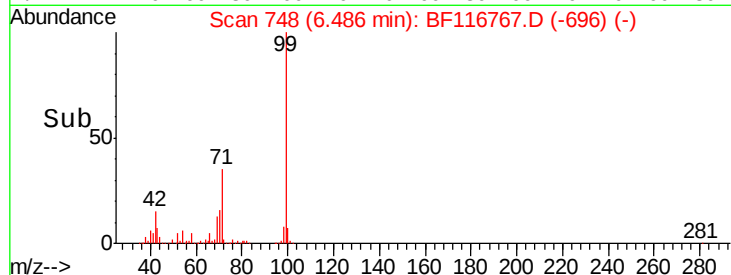
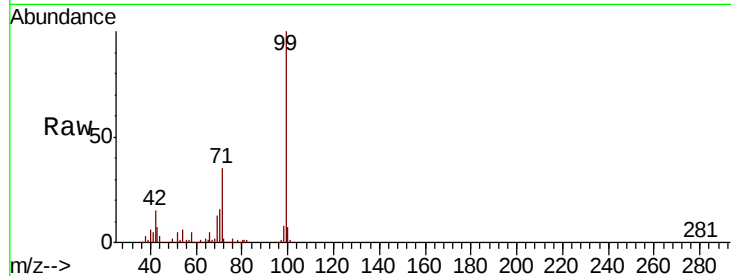
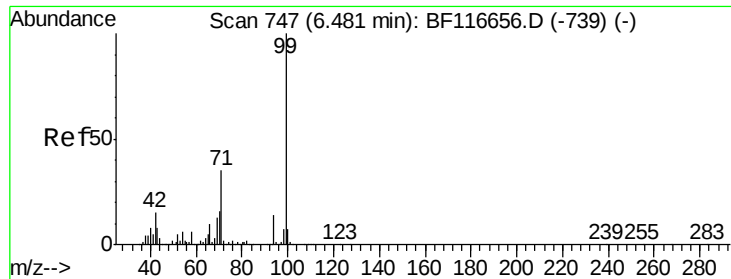
Abundance

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: 123.983 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF116767.D

Acq: 3 Sep 2019 12:51

Instrument :

BNA_F

ClientSampleId :

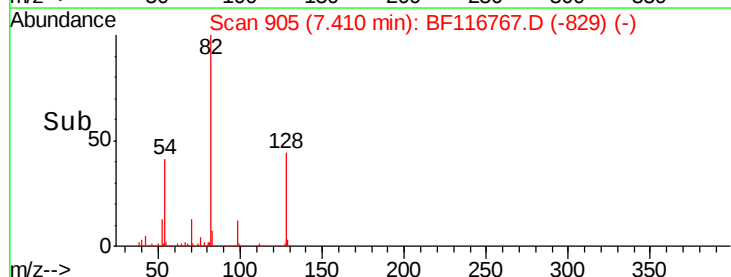
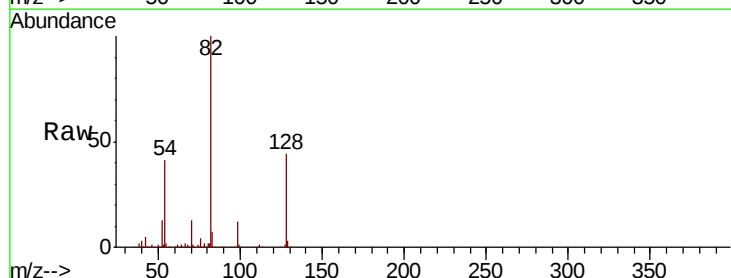
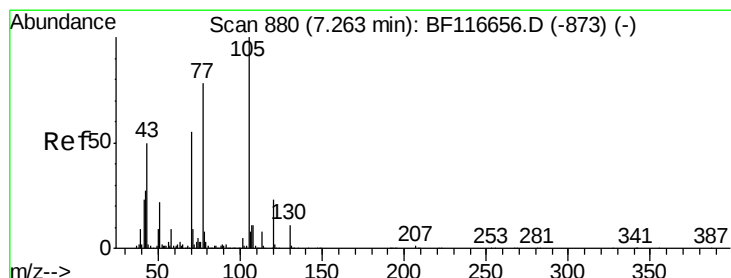
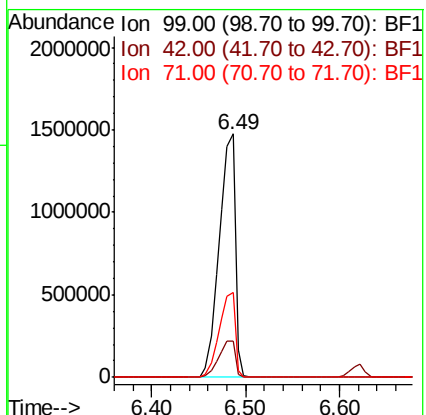
Tot Ion: 99 Resp: 1778666

Ion Ratio Lower Upper

99 100

42 15.0 13.7 20.5

71 34.7 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.815 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF116767.D

Acq: 3 Sep 2019 12:51

Tgt Ion: 70 Resp: 149388

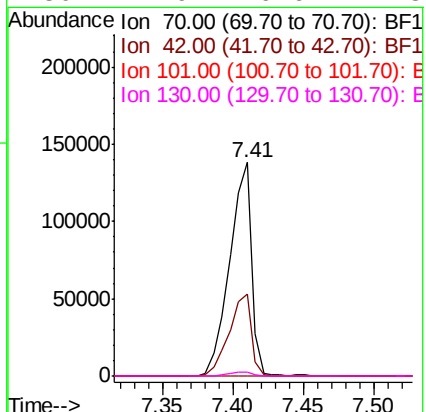
Ion Ratio Lower Upper

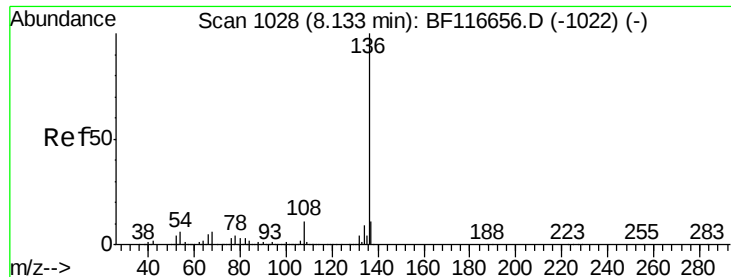
70 100

42 38.3 43.5 65.3#

101 0.0 7.8 11.6#

130 1.9 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116767.D

Acq: 3 Sep 2019 12:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 702739

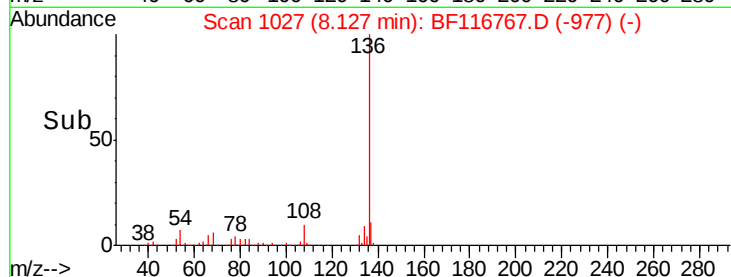
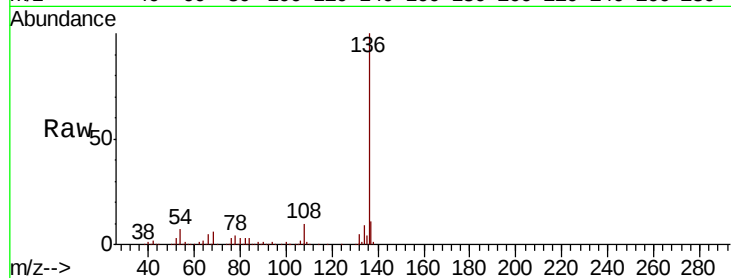
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.6 4.8 7.2

68 5.6 4.0 6.0

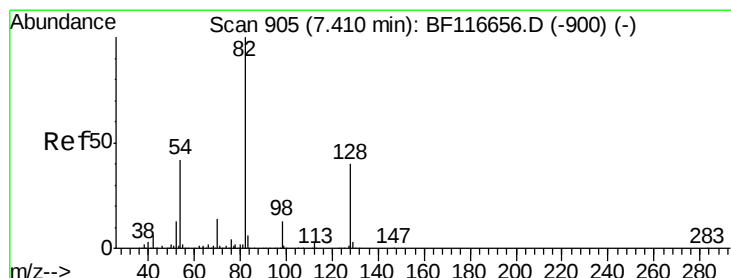
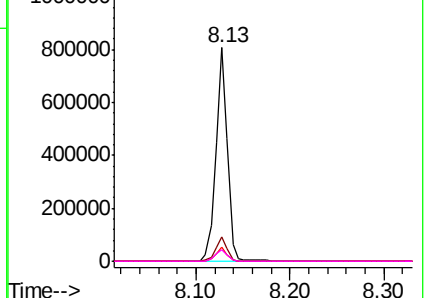


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.419 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF116767.D

Acq: 3 Sep 2019 12:51

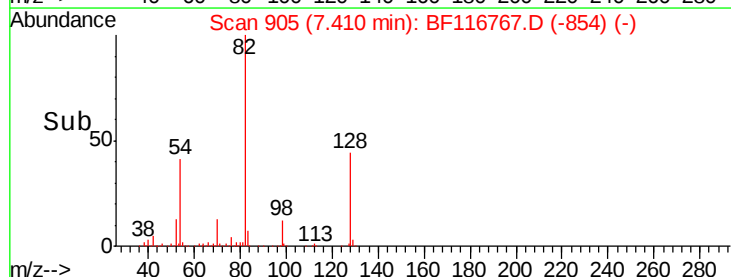
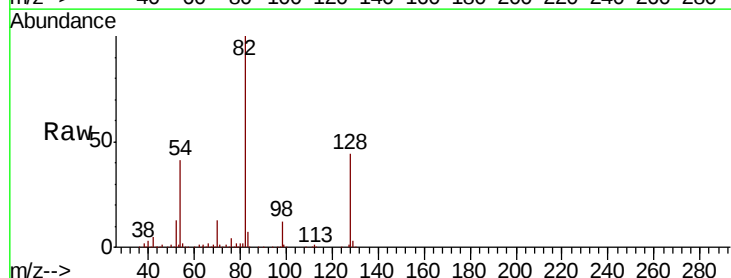
Tgt Ion: 82 Resp: 1125358

Ion Ratio Lower Upper

82 100

128 44.2 32.8 49.2

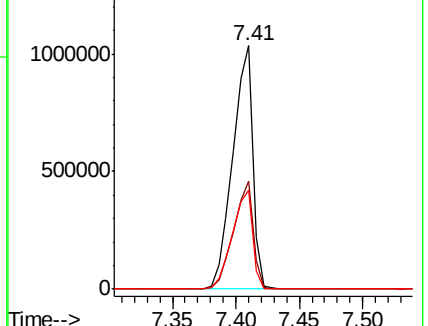
54 40.9 36.9 55.3

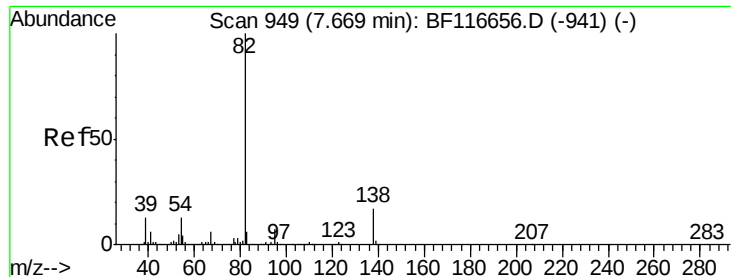


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.972 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF116767.D

Acq: 3 Sep 2019 12:51

Instrument :

BNA_F

ClientSampleId :

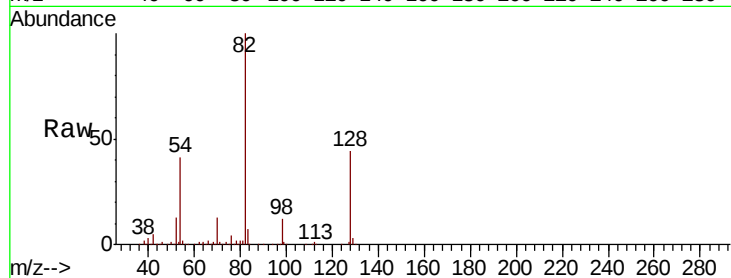
Tot Ion: 82 Resp: 1121782

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

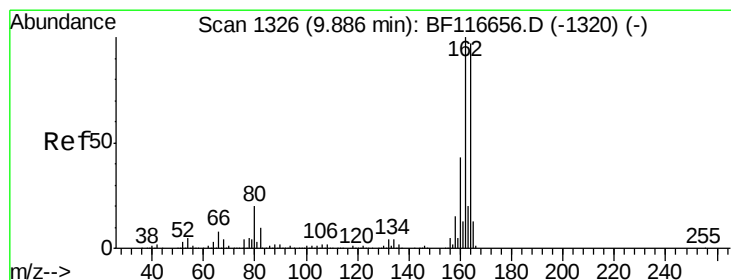
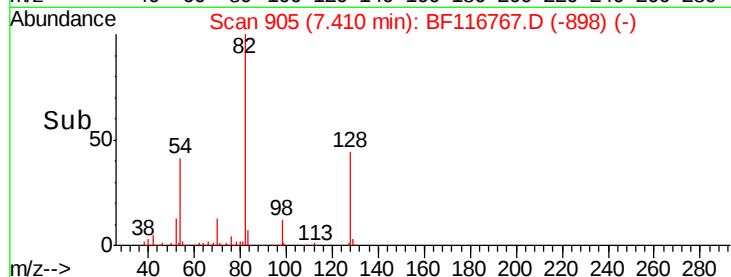
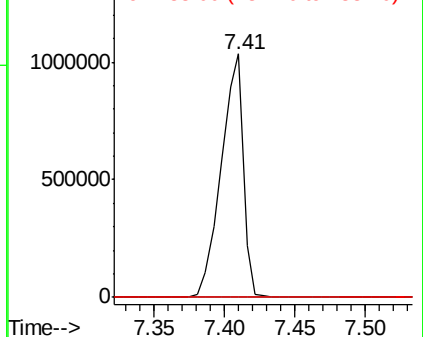
138 0.0 13.5 20.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116767.D

Acq: 3 Sep 2019 12:51

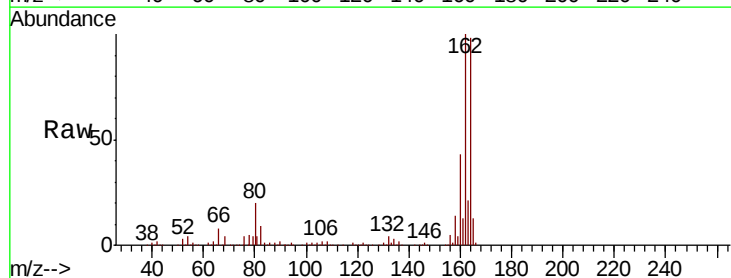
Tgt Ion:164 Resp: 363788

Ion Ratio Lower Upper

164 100

162 102.3 81.4 122.0

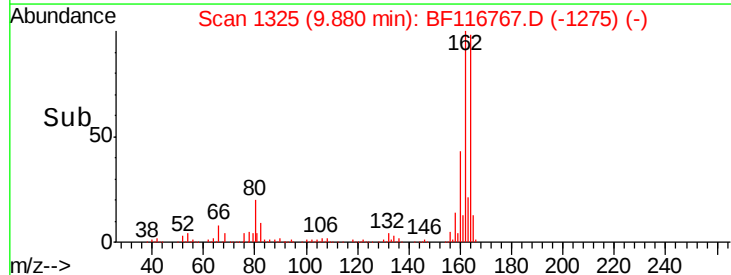
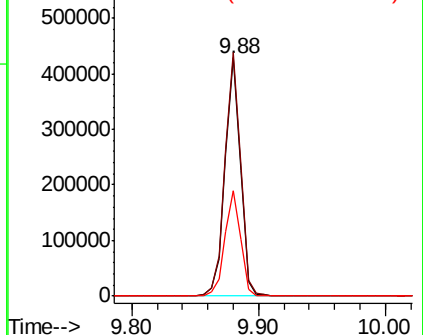
160 44.2 35.4 53.2

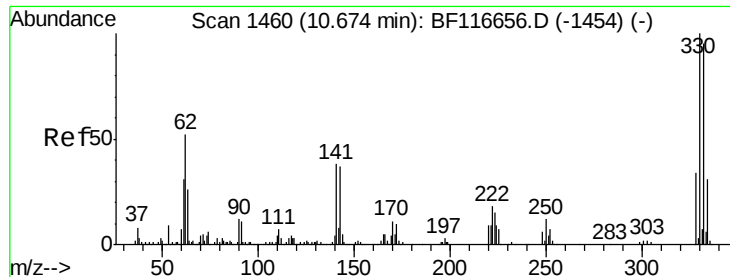


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

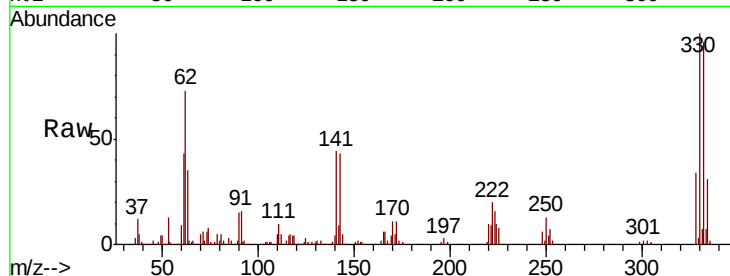




#42
 2,4,6-Tribromophenol
 Concen: 148.215 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116767.D
 Acq: 3 Sep 2019 12:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.9	115.3
141	41.1	31.4	47.2

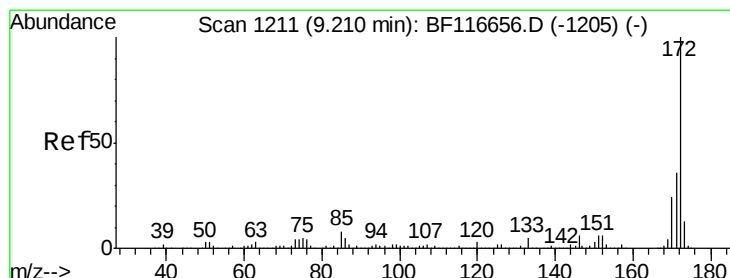
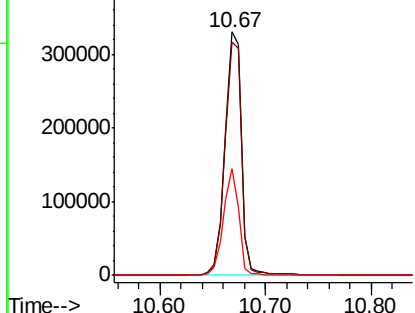
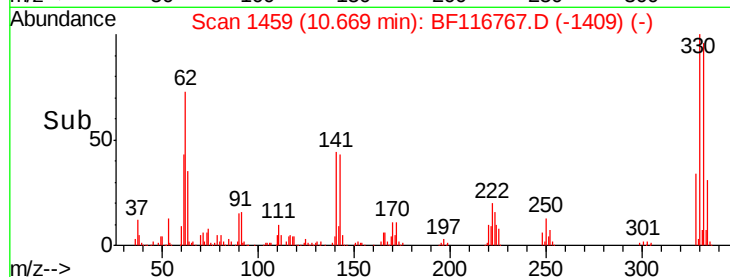


Abundance

Ion 329.80 (329.50 to 330.50): E

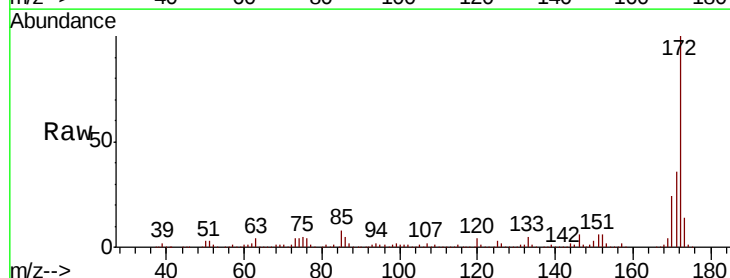
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 86.536 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116767.D
 Acq: 3 Sep 2019 12:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.8	41.6
170	24.3	18.9	28.3

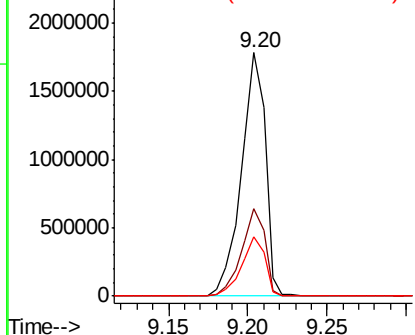
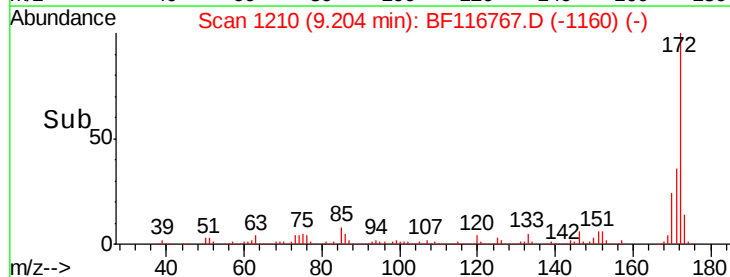


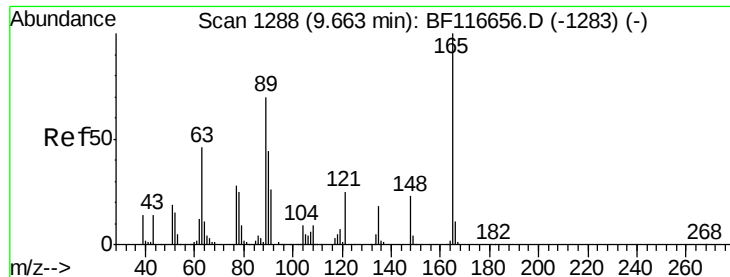
Abundance

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

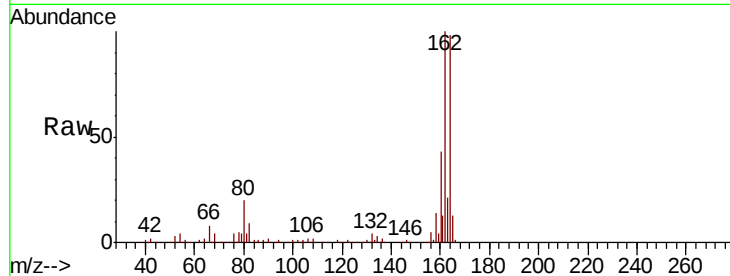




#51
 2,6-Dinitrotoluene
 Concen: 9.767 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.22 min
 Lab File: BF116767.D
 Acq: 3 Sep 2019 12:51

Instrument :
 BNA_F
 ClientSampleId :

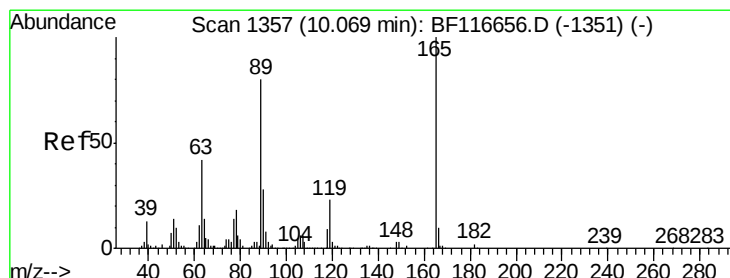
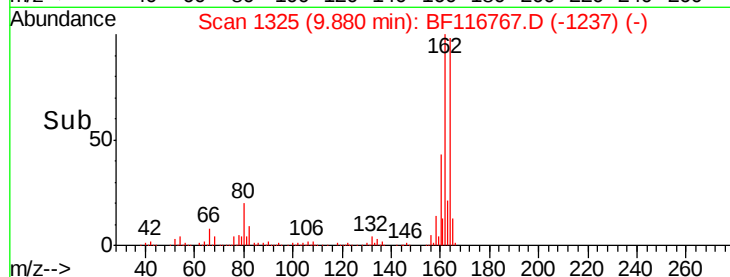
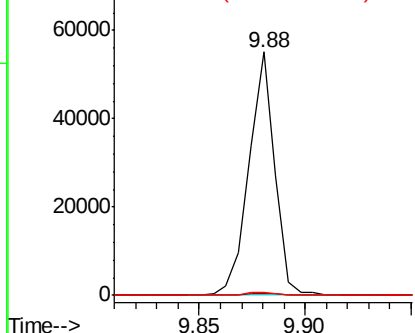
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.6	47.3	70.9#
89	1.3	52.5	78.7#



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: 7.987 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116767.D
 Acq: 3 Sep 2019 12:51

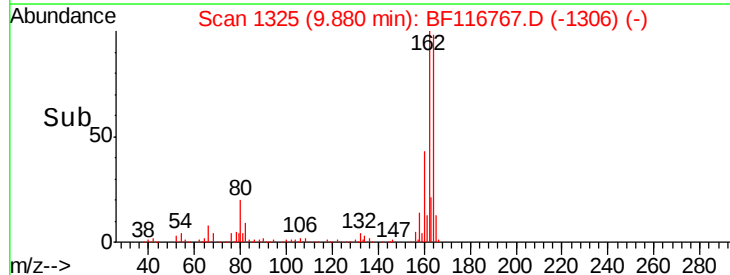
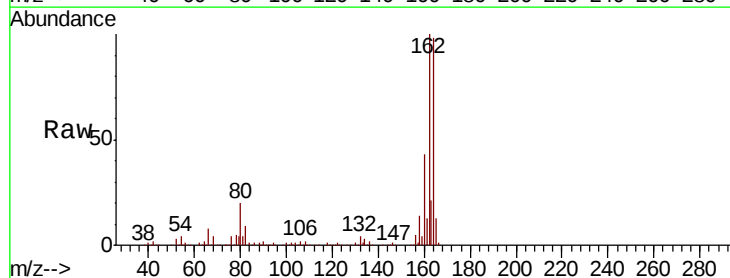
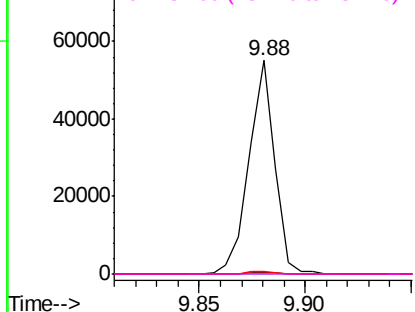
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.6	36.4	54.6#
89	1.3	62.6	94.0#
182	0.0	2.1	3.1#

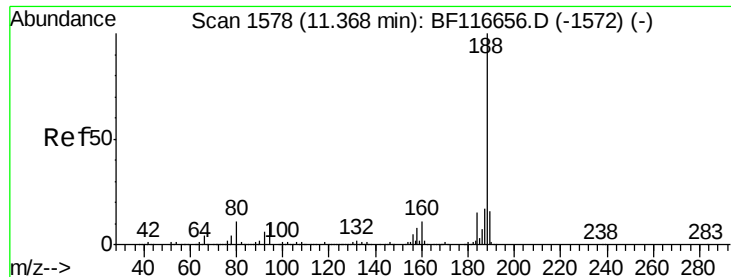
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116767.D

Acq: 3 Sep 2019 12:51

Instrument :

BNA_F

ClientSampleId :

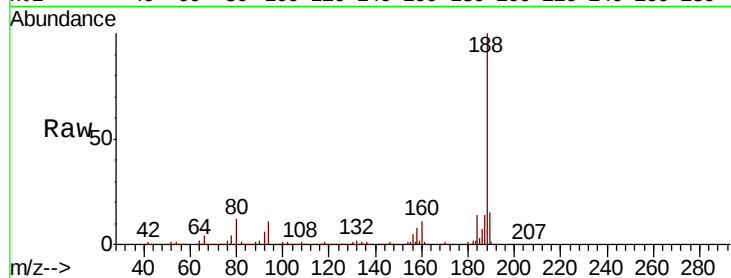
Tot Ion:188 Resp: 589258

Ion Ratio Lower Upper

188 100

94 11.4 7.3 10.9#

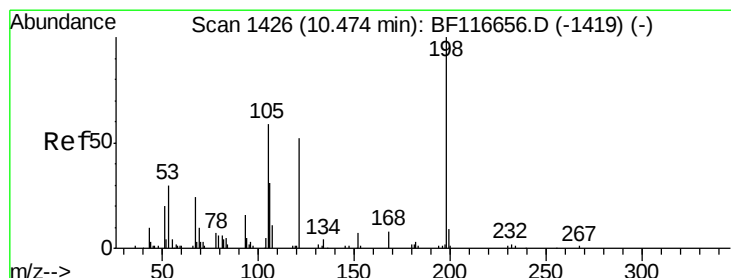
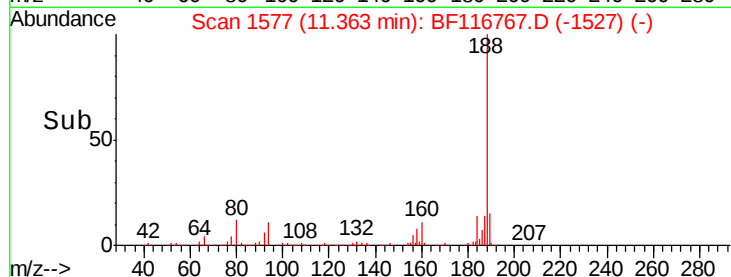
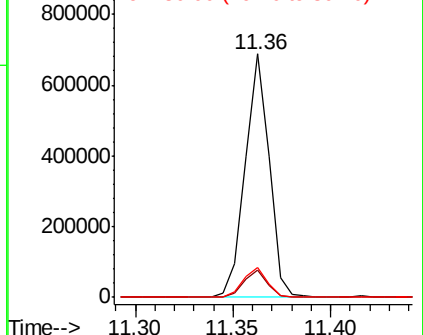
80 12.3 8.4 12.6



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: 7.765 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF116767.D

Acq: 3 Sep 2019 12:51

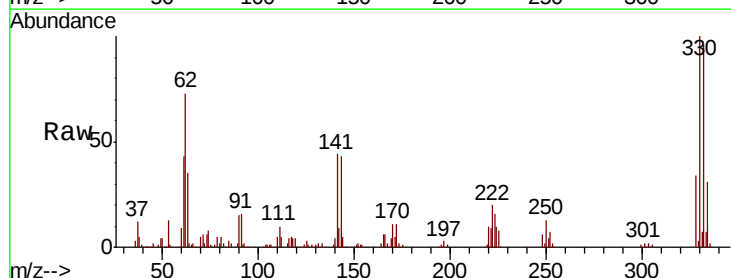
Tgt Ion:198 Resp: 807

Ion Ratio Lower Upper

198 100

51 169.0 18.4 58.4#

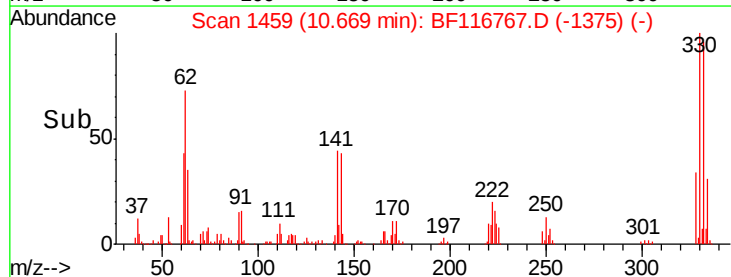
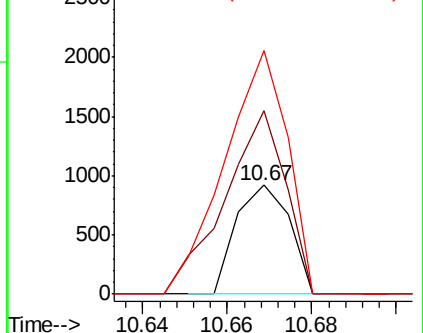
105 223.6 22.9 62.9#

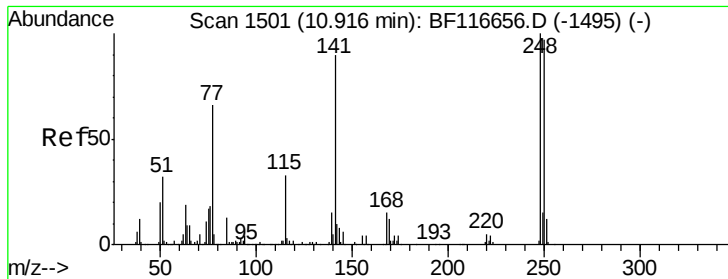


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.873 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF116767.D

Acq: 3 Sep 2019 12:51

Instrument :

BNA_F

ClientSampleId :

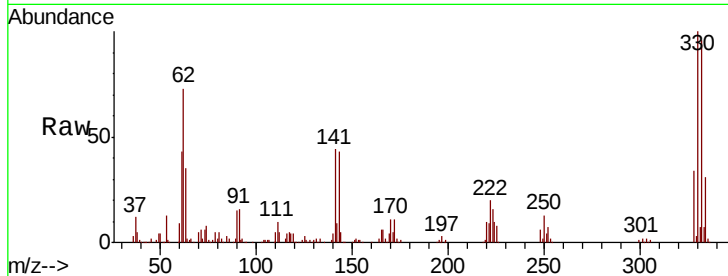
Tot Ion:248 Resp: 23182

Ion Ratio Lower Upper

248 100

250 204.8 77.8 116.8#

141 686.3 75.9 113.9#

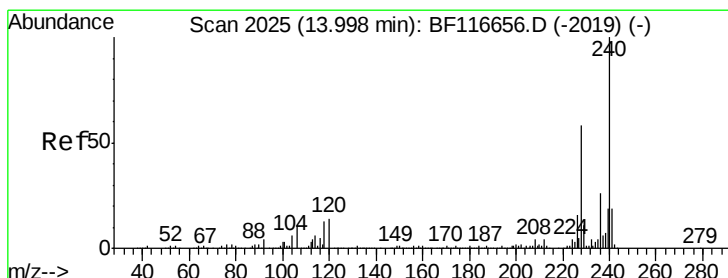
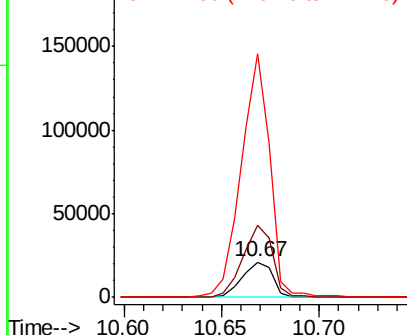
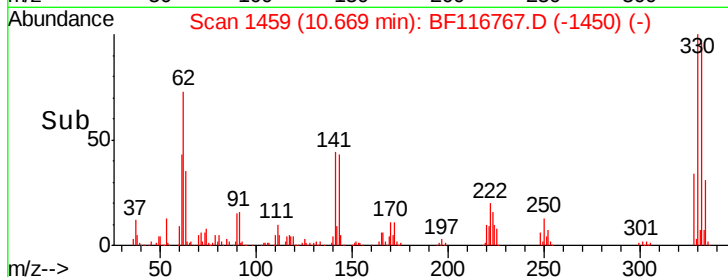


Abundance

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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116767.D

Acq: 3 Sep 2019 12:51

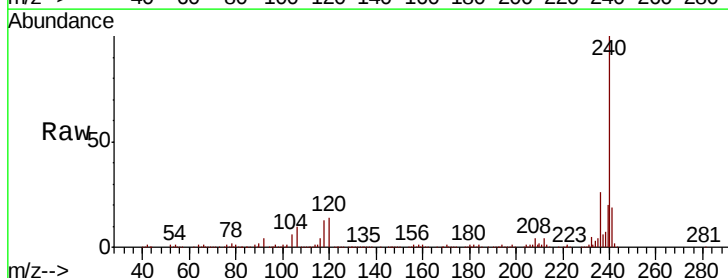
Tgt Ion:240 Resp: 405647

Ion Ratio Lower Upper

240 100

120 14.1 9.1 13.7#

236 26.1 21.1 31.7

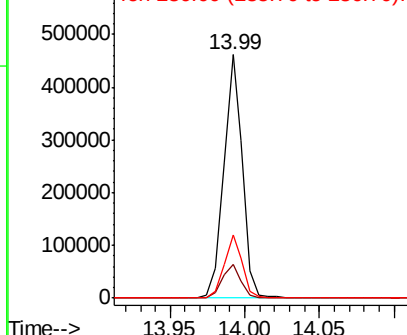
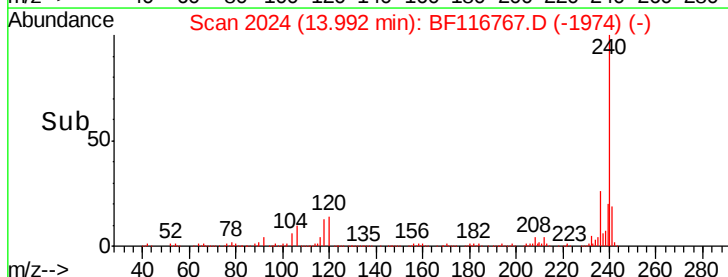


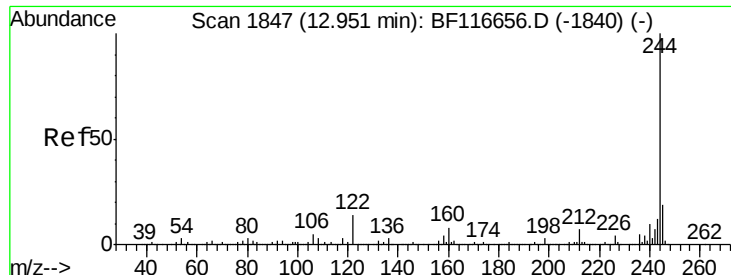
Abundance

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: 81.227 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF116767.D

Acq: 3 Sep 2019 12:51

Instrument :

BNA_F

ClientSampleId :

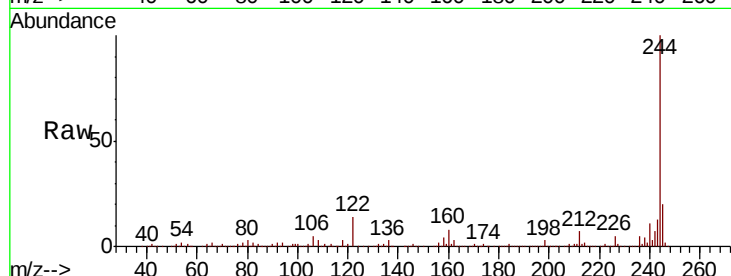
Tot Ion:244 Resp: 1781106

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	14.4	10.2	15.4

244 100

212 7.2 6.1 9.1

122 14.4 10.2 15.4

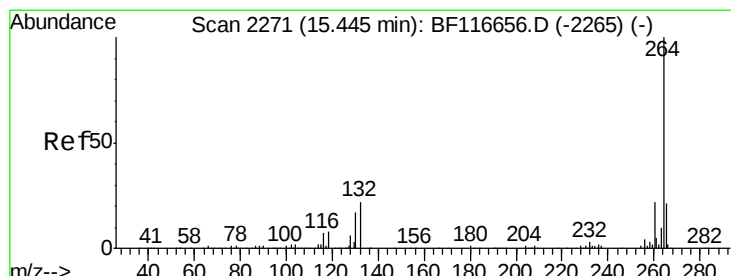
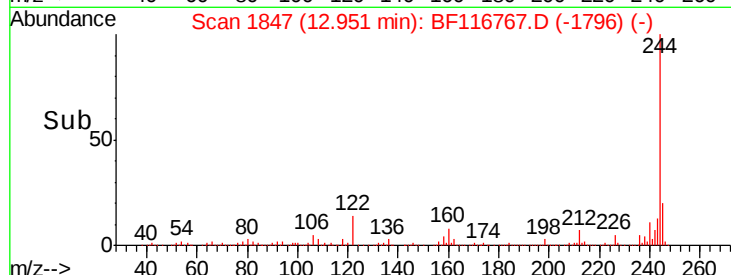
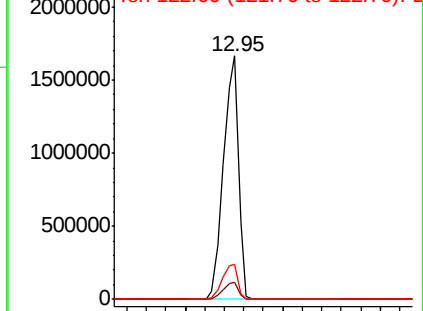


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF116767.D

Acq: 3 Sep 2019 12:51

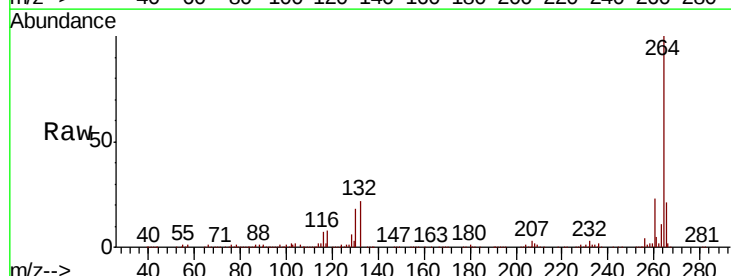
Tgt Ion:264 Resp: 352830

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.3	27.5
265	21.2	16.5	24.7

264 100

260 23.5 18.3 27.5

265 21.2 16.5 24.7



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

