

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
 Data File : BF118196.D
 Acq On : 13 Dec 2019 19:55
 Operator : JU
 Sample : K6186-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S32-GAC-IDW01

Quant Time: Dec 13 22:47:37 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

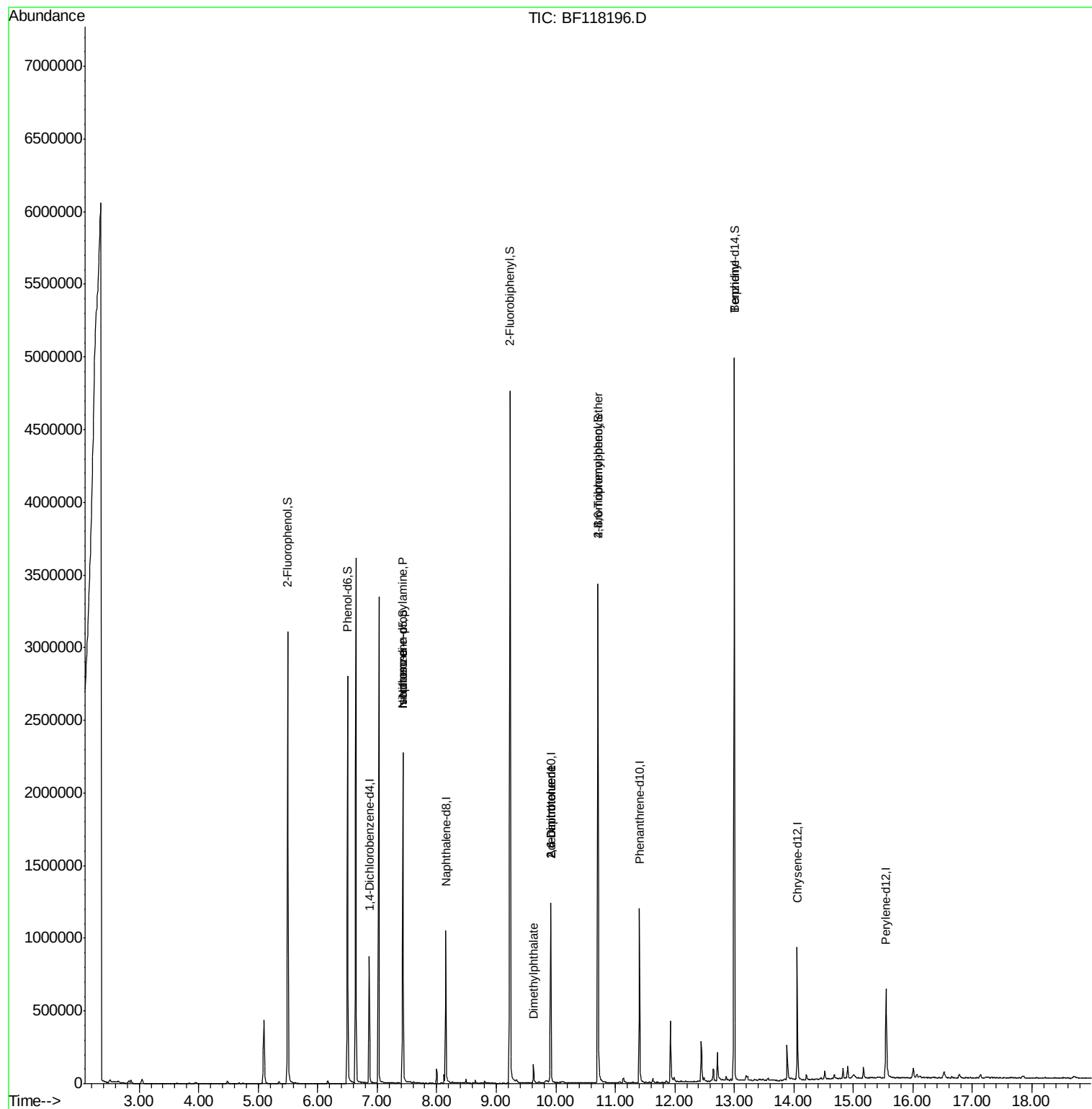
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	129787	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	498708	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	262898	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	491530	20.00	ng	0.00
76) Chrysene-d12	14.06	240	311511	20.00	ng	-0.01
87) Perylene-d12	15.55	264	303644	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	888289	119.87	ng	0.02
7) Phenol-d6	6.50	99	959577	107.06	ng	0.00
23) Nitrobenzene-d5	7.43	82	753398	84.99	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	434655	136.10	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1563217	90.48	ng	0.00
79) Terphenyl-d14	13.00	244	1846999	101.96	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	1458	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	102523	18.824 ng	#	1
25) Isophorone	7.43	82	749758	49.892 ng	#	77
50) Dimethylphthalate	9.63	163	60620	3.122 ng	#	62
51) 2,6-Dinitrotoluene	9.92	165	33294	7.885 ng	#	97
57) 2,4-Dinitrotoluene	9.92	165	33294	5.907 ng	#	28
67) 4-Bromophenyl-phenylether	10.71	248	27646	4.927 ng	#	26
77) Benzidine	13.00	184	25439	3.102 ng	#	1
					#	93

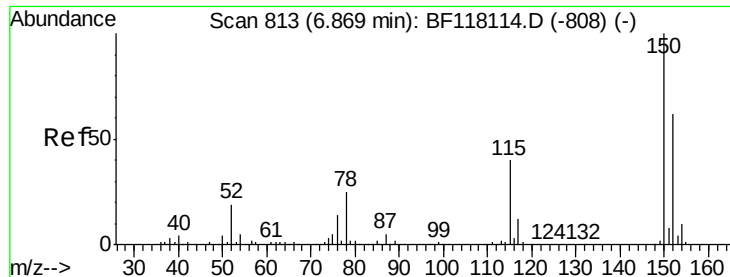
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

Instrument :

BNA_F

ClientSampleId :

S32-GAC-IDW01

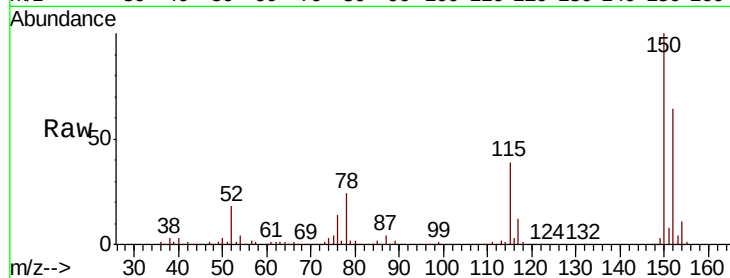
Tot Ion:152 Resp: 129787

Ion Ratio Lower Upper

152 100

150 155.7 128.3 192.5

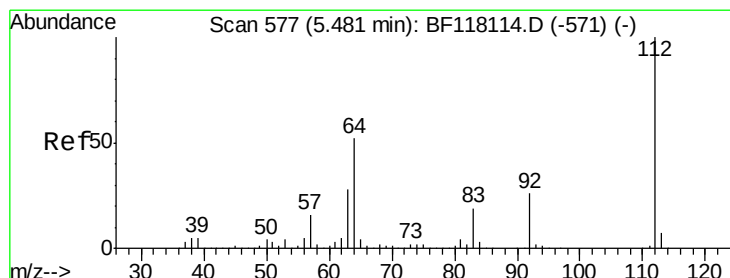
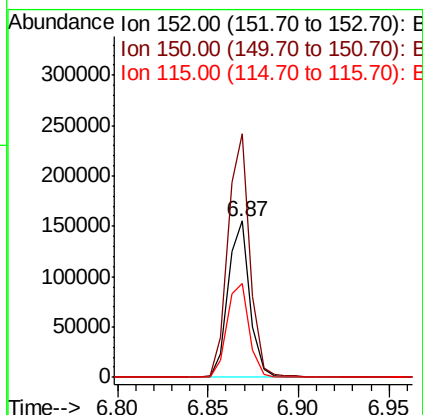
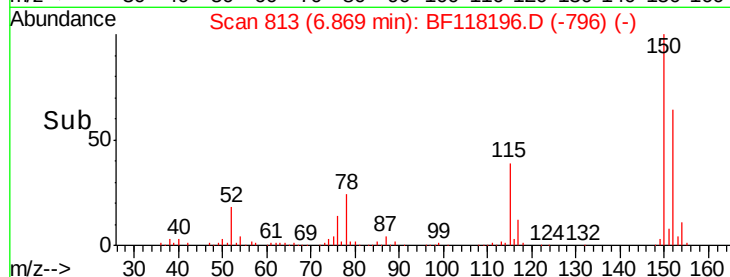
115 60.2 51.1 76.7



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: 119.874 ng

RT: 5.50 min Scan# 580

Delta R.T. 0.02 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

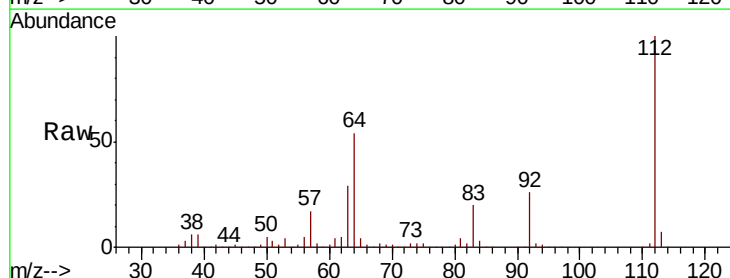
Tgt Ion:112 Resp: 888289

Ion Ratio Lower Upper

112 100

64 54.4 41.3 61.9

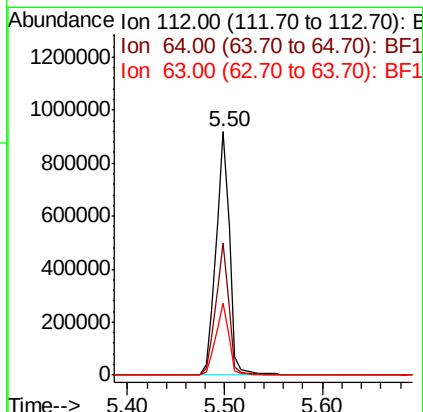
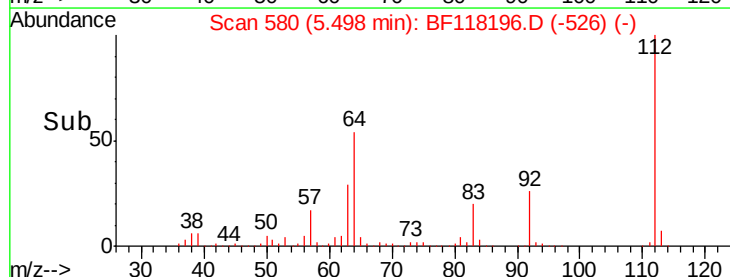
63 29.4 22.4 33.6

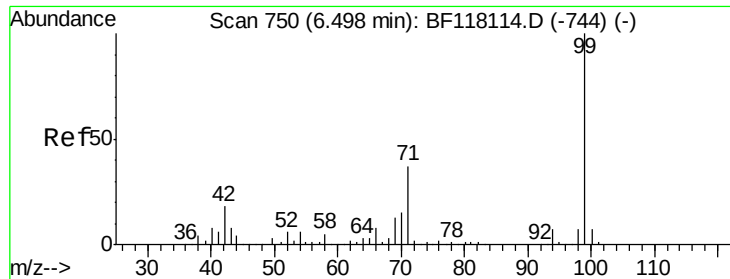


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 107.062 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

Instrument :

BNA_F

ClientSampleId :

S32-GAC-IDW01

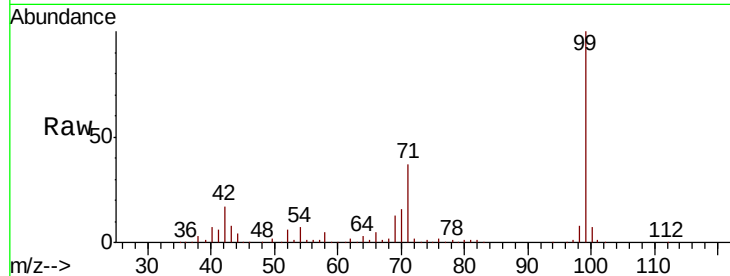
Tot Ion: 99 Resp: 959577

Ion Ratio Lower Upper

99 100

42 17.1 14.1 21.1

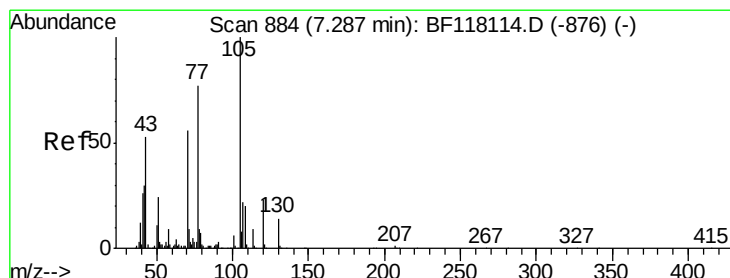
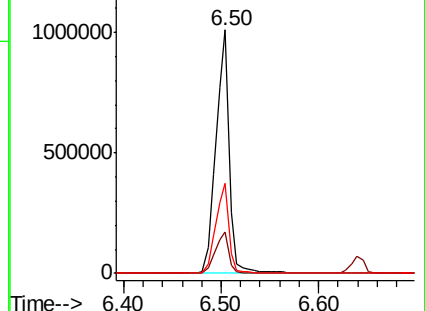
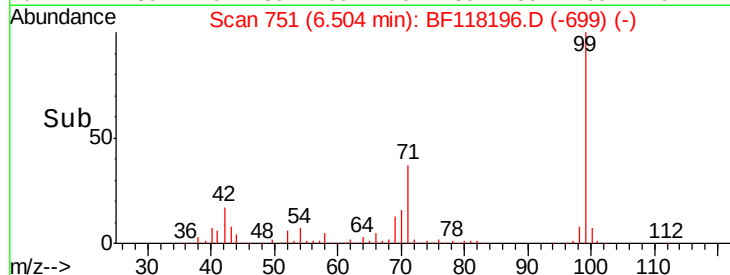
71 37.0 29.7 44.5



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: 18.824 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

Tgt Ion: 70 Resp: 102523

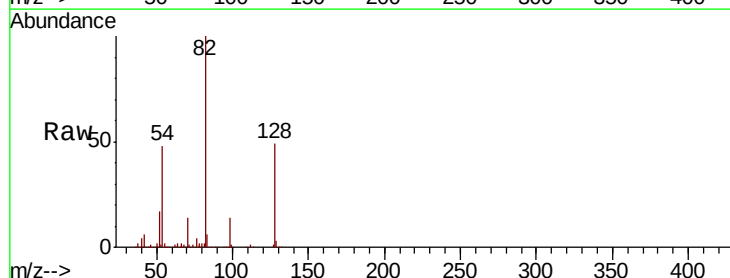
Ion Ratio Lower Upper

70 100

42 45.2 43.2 64.8

101 0.0 8.1 12.1#

130 2.1 19.8 29.8#

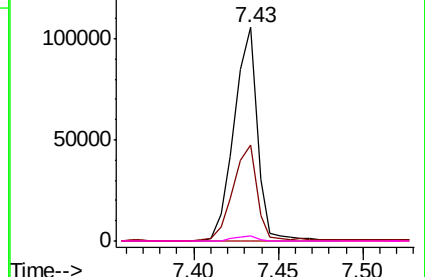
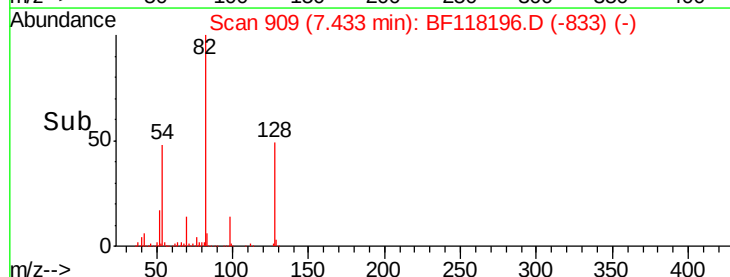


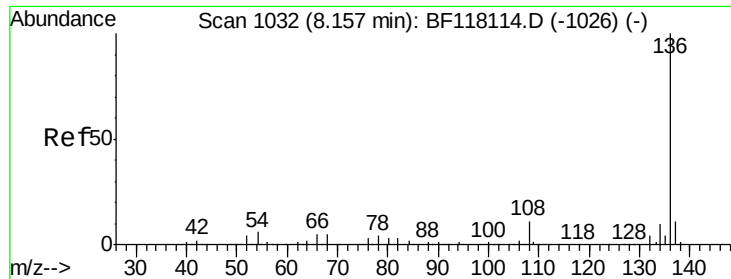
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

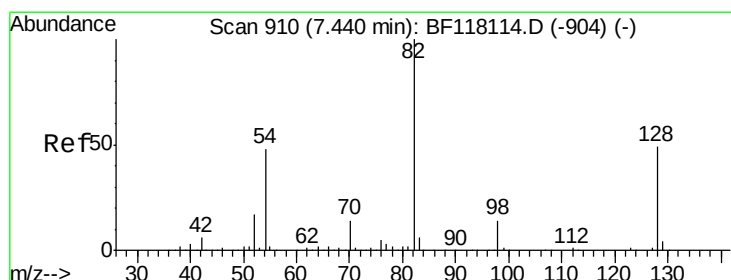
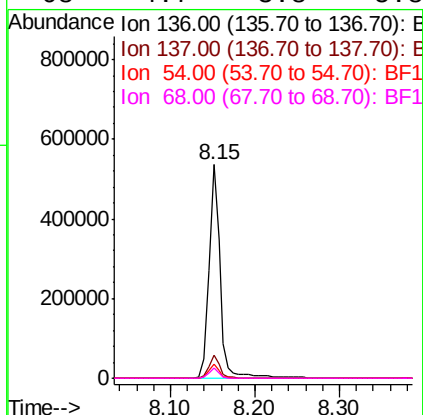
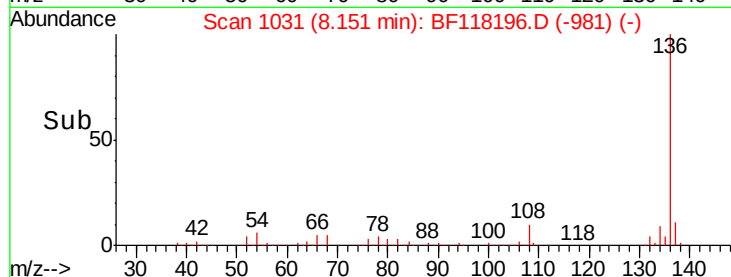
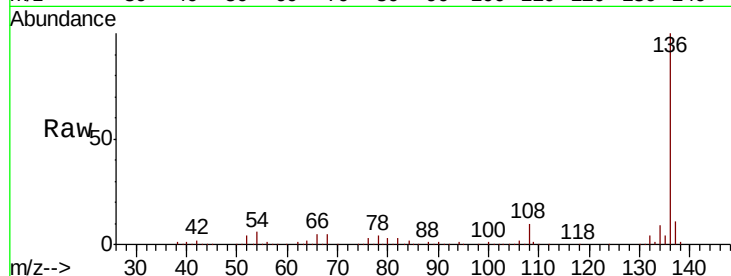




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118196.D
Acq: 13 Dec 2019 19:55

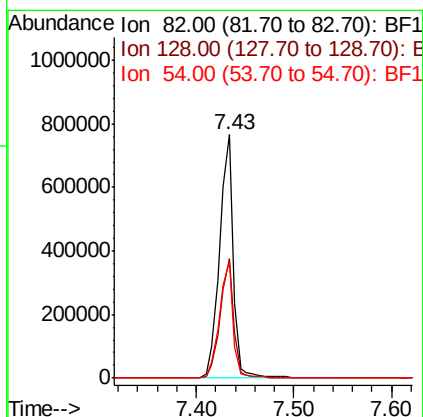
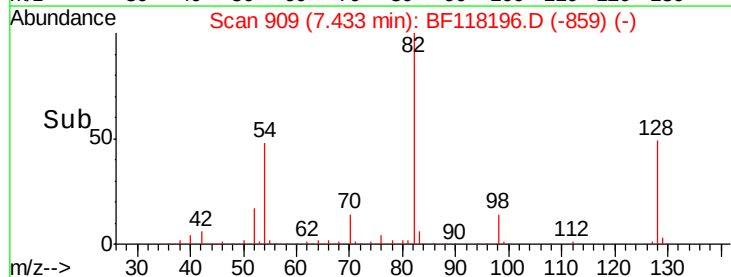
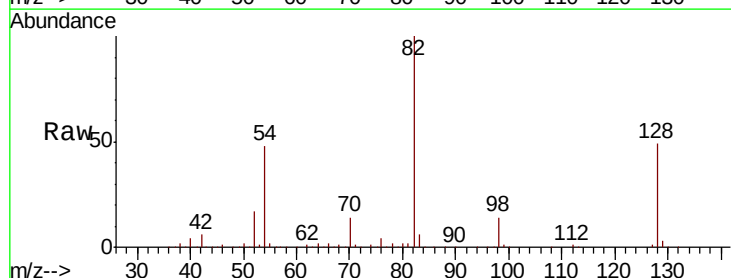
Instrument :
BNA_F
ClientSampleId :
S32-GAC-IDW01

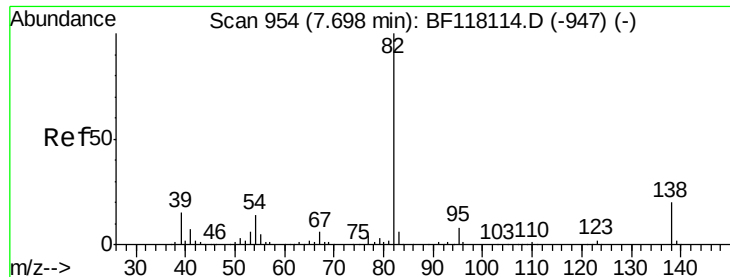
Tot Ion:136 Resp: 498708
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 6.4 5.0 7.6
68 4.7 3.8 5.8



#23
Nitrobenzene-d5
Concen: 84.989 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118196.D
Acq: 13 Dec 2019 19:55

Tgt Ion: 82 Resp: 753398
Ion Ratio Lower Upper
82 100
128 48.8 39.1 58.7
54 48.1 38.2 57.2





#25

Isophorone

Concen: 49.892 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

Instrument :

BNA_F

ClientSampleId :

S32-GAC-IDW01

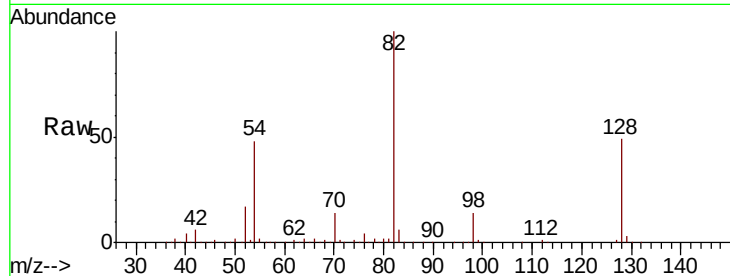
Tot Ion: 82 Resp: 749758

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

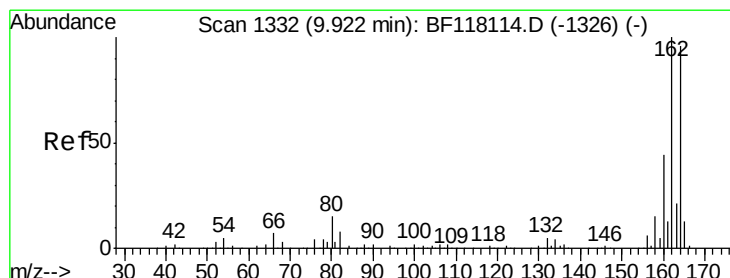
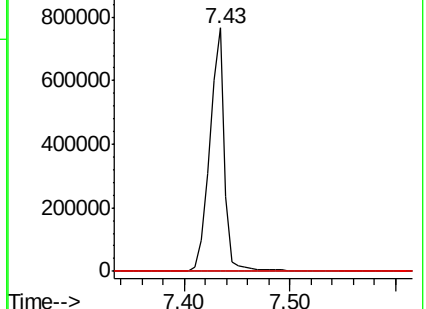
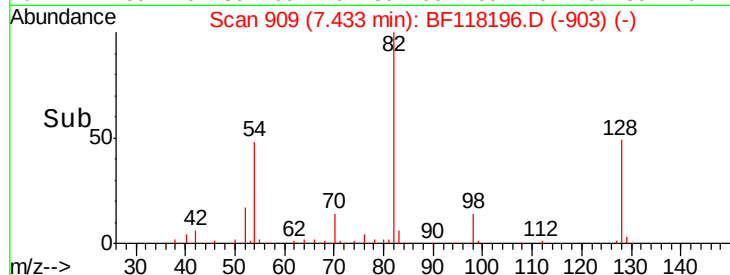
138 0.0 16.3 24.5#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

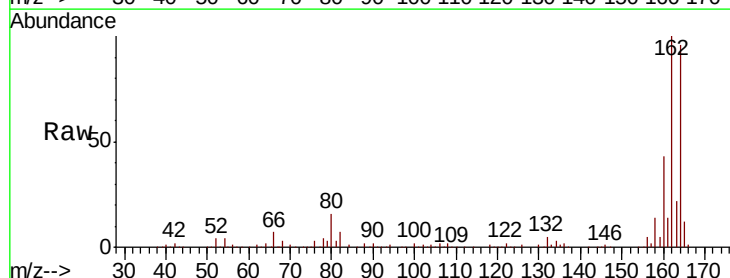
Tgt Ion: 164 Resp: 262898

Ion Ratio Lower Upper

164 100

162 104.3 83.4 125.0

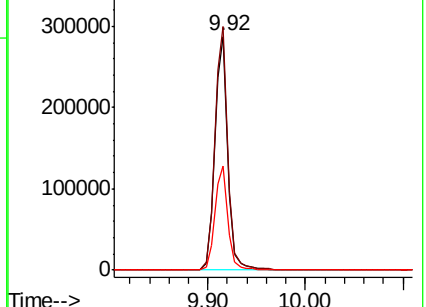
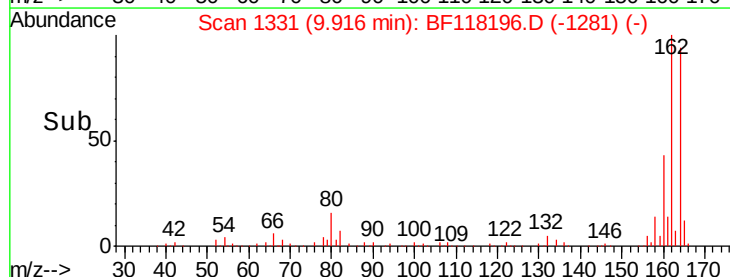
160 44.8 36.6 54.8

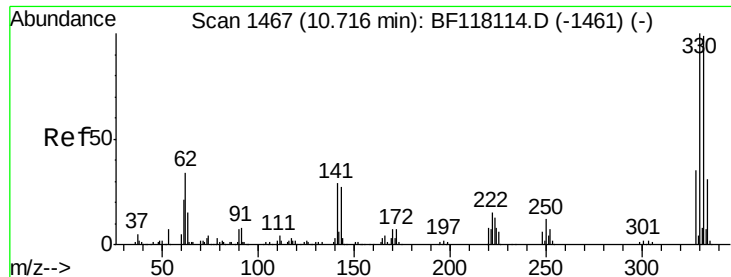


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 136.096 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

Instrument :

BNA_F

ClientSampleId :

S32-GAC-IDW01

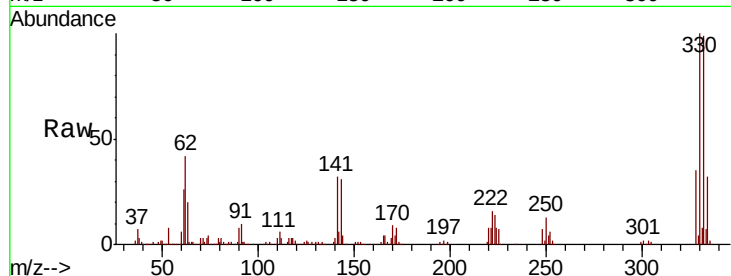
Tot Ion:330 Resp: 434655

Ion Ratio Lower Upper

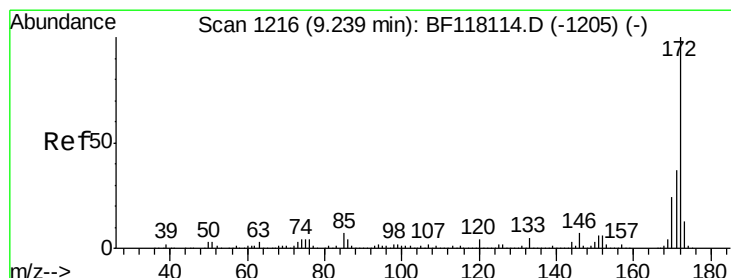
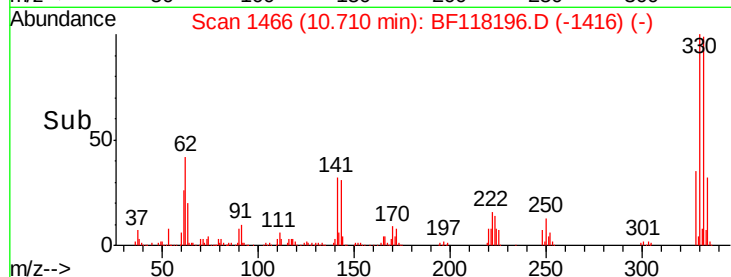
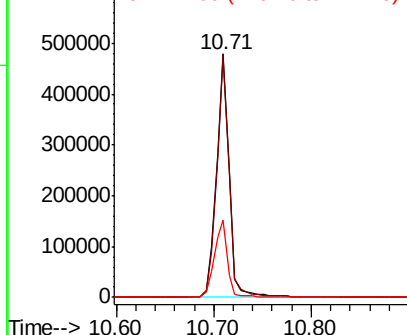
330 100

332 98.2 78.1 117.1

141 32.5 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: 90.479 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

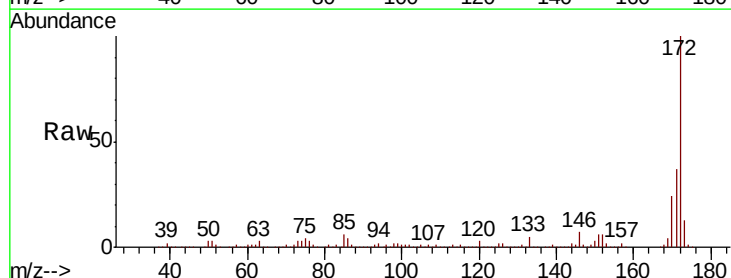
Tgt Ion:172 Resp: 1563217

Ion Ratio Lower Upper

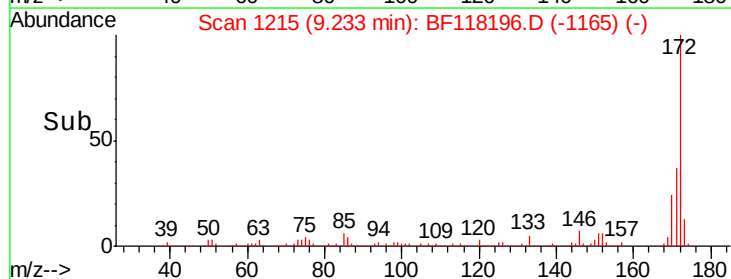
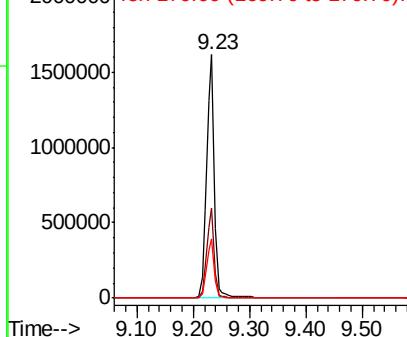
172 100

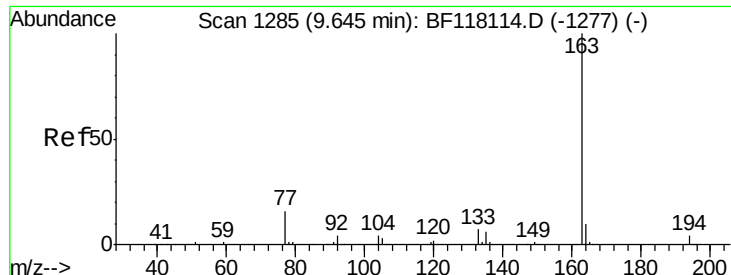
171 36.8 29.2 43.8

170 24.3 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: 3.122 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

Instrument :

BNA_F

ClientSampleId :

S32-GAC-IDW01

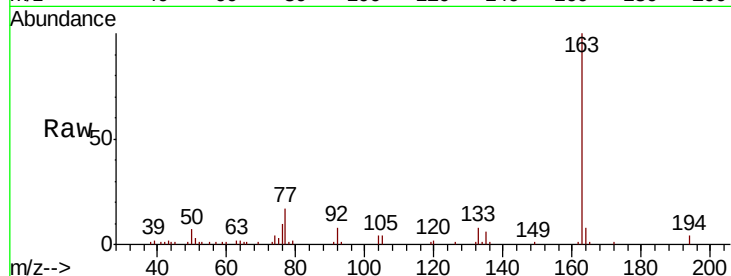
Tot Ion:163 Resp: 60620

Ion Ratio Lower Upper

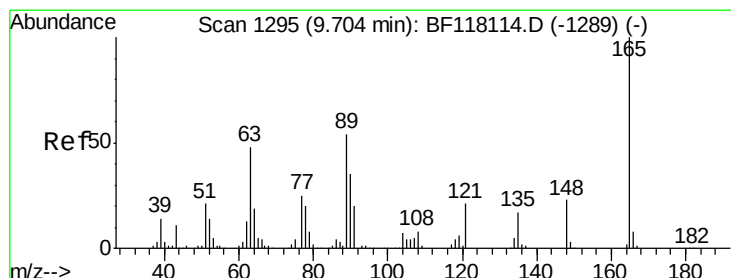
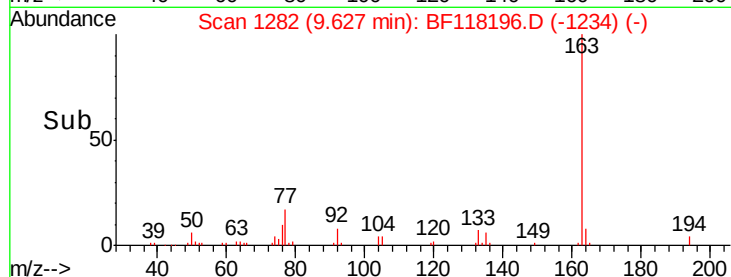
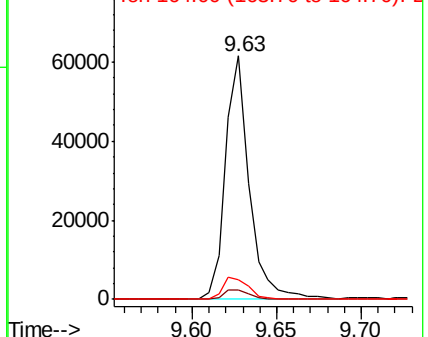
163 100

194 3.7 3.1 4.7

164 8.0 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: 7.885 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

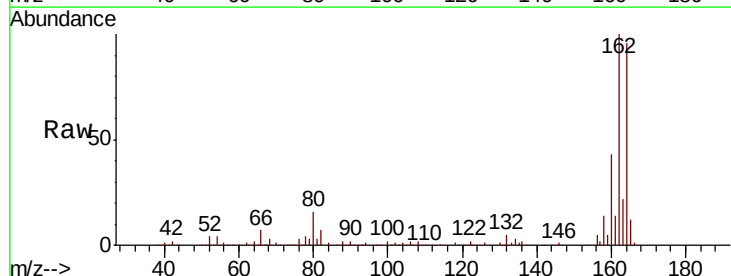
Tgt Ion:165 Resp: 33294

Ion Ratio Lower Upper

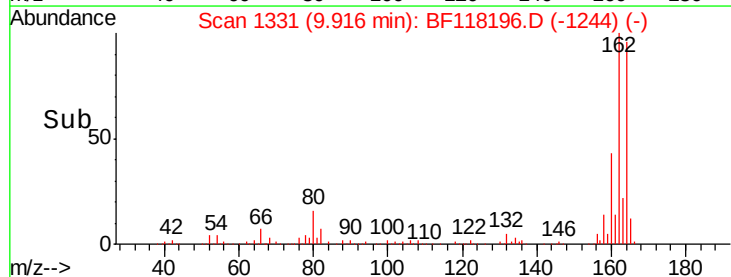
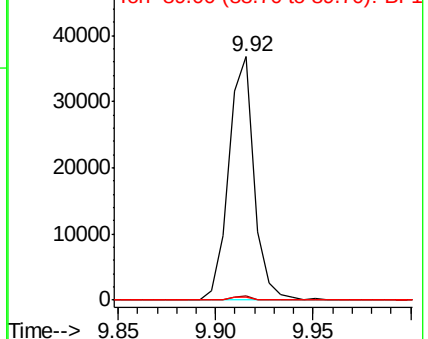
165 100

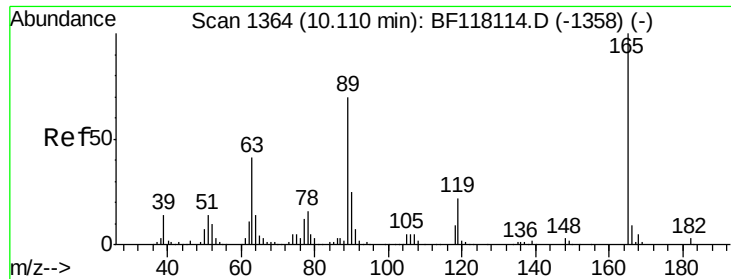
63 1.7 41.4 62.0#

89 1.4 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: 5.907 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

Instrument :

BNA_F

ClientSampleId :

S32-GAC-IDW01

Tot Ion:165 Resp: 33294

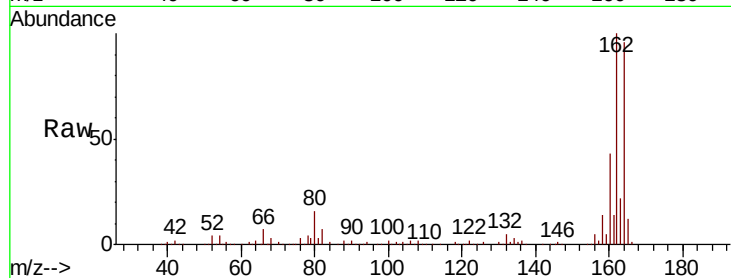
Ion Ratio Lower Upper

165 100

63 1.7 32.6 49.0#

89 1.4 56.1 84.1#

182 0.0 2.1 3.1#

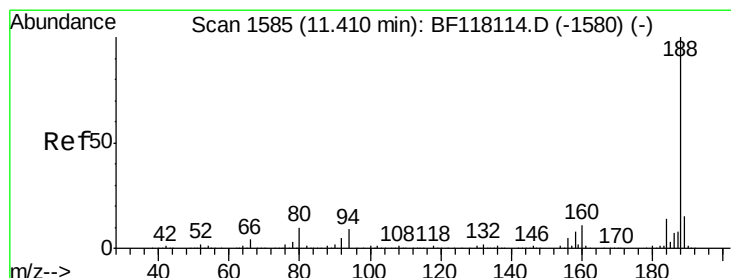
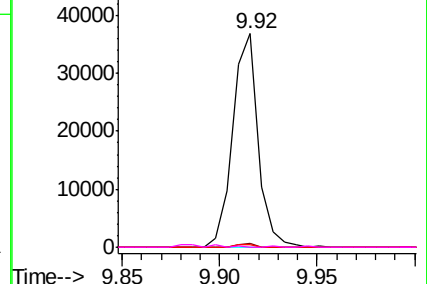
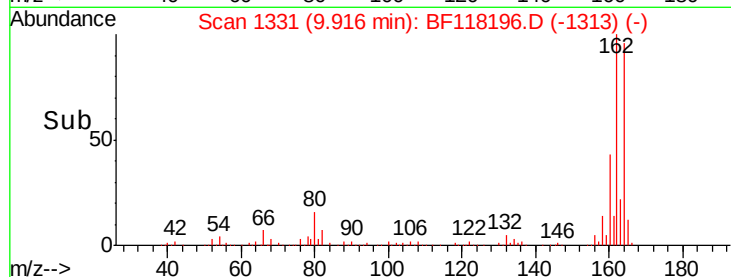


Abundance Ion 165.00 (164.70 to 165.70): E

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# 1584

Delta R.T. -0.01 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

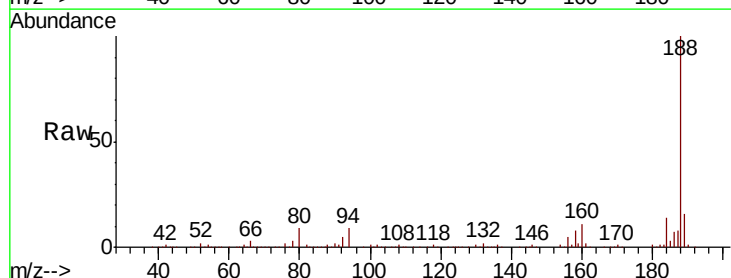
Tgt Ion:188 Resp: 491530

Ion Ratio Lower Upper

188 100

94 9.0 7.1 10.7

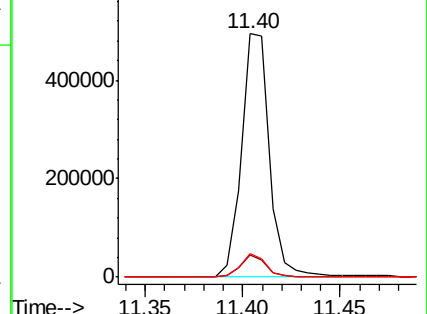
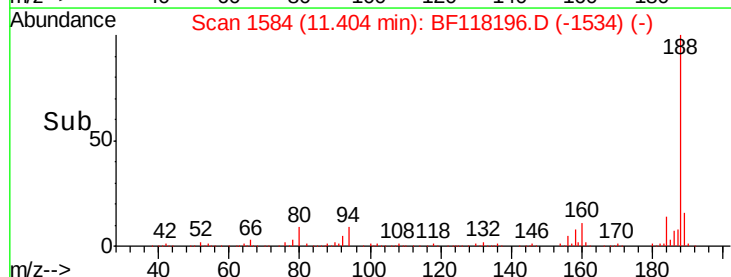
80 9.4 7.9 11.9

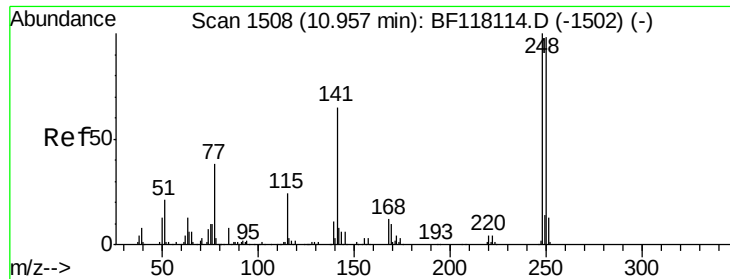


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#67

4-Bromophenyl-phenylether

Concen: 4.927 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.25 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

Instrument :

BNA_F

ClientSampleId :

S32-GAC-IDW01

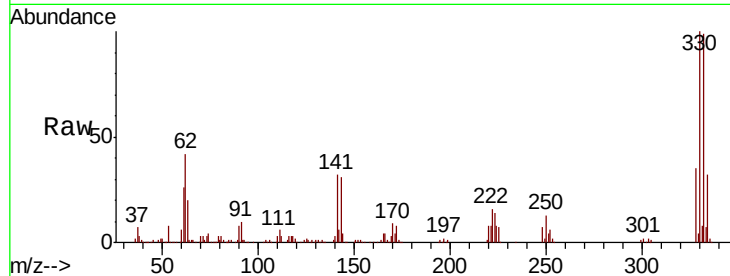
Tot Ion:248 Resp: 27646

Ion Ratio Lower Upper

248 100

250 183.9 78.3 117.5#

141 457.7 52.2 78.4#

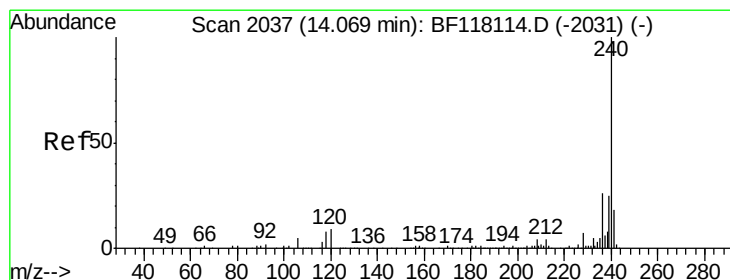
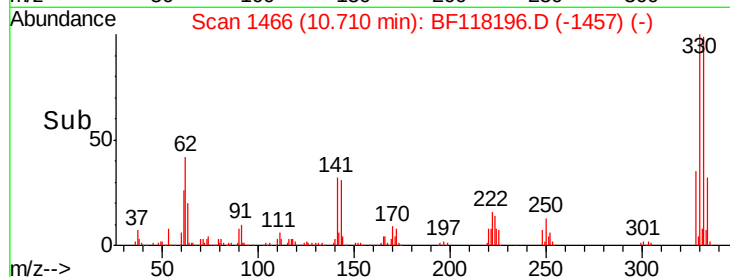
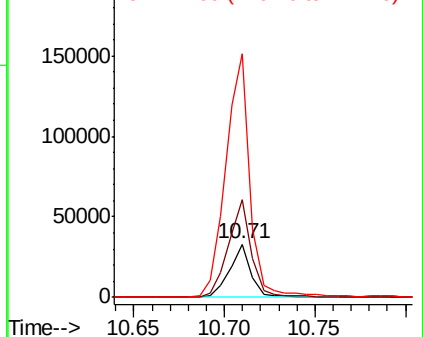


Abundance

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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

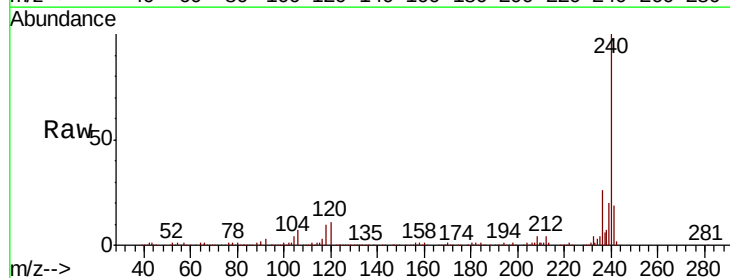
Tgt Ion:240 Resp: 311511

Ion Ratio Lower Upper

240 100

120 11.2 7.1 10.7#

236 26.2 21.0 31.6

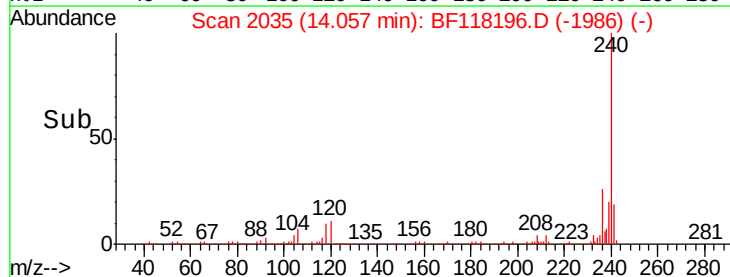
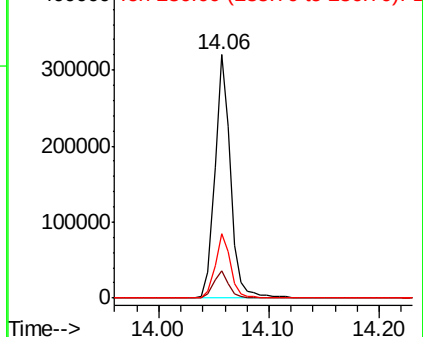


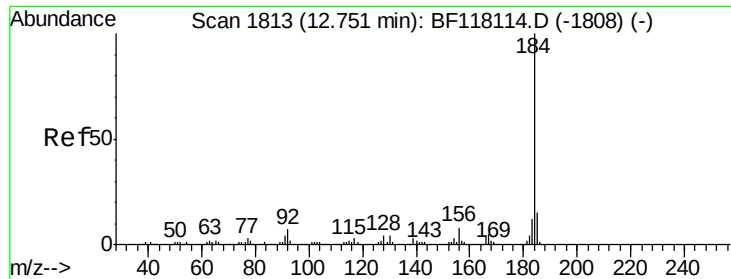
Abundance

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: 3.102 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.25 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

Instrument :

BNA_F

ClientSampleId :

S32-GAC-IDW01

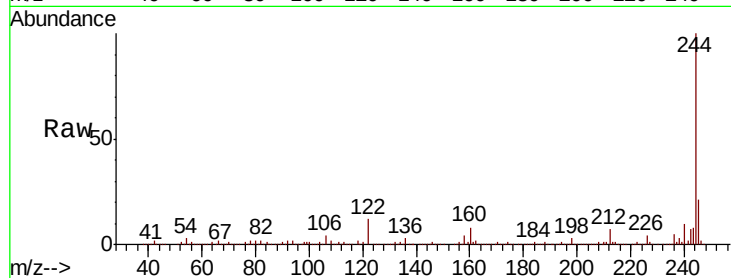
Tot Ion:184 Resp: 25439

Ion Ratio Lower Upper

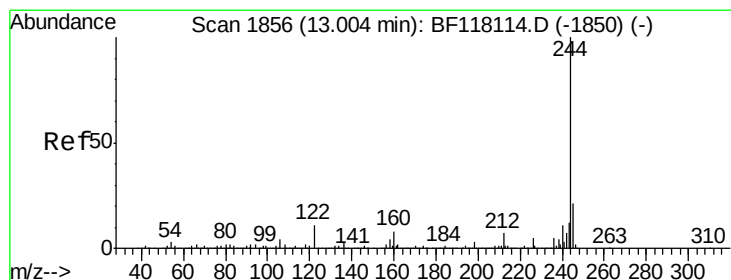
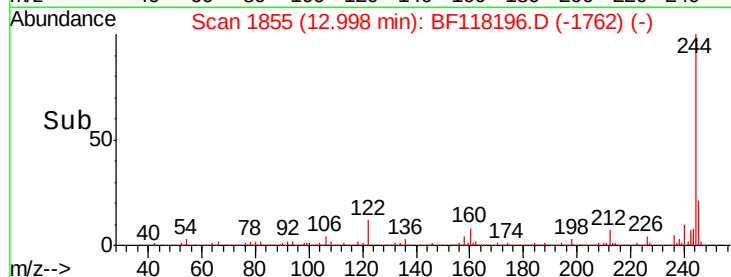
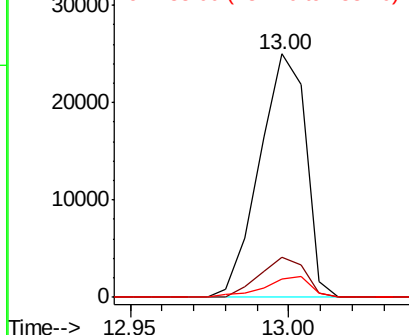
184 100

185 16.2 12.3 18.5

183 7.5 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: 101.959 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118196.D

Acq: 13 Dec 2019 19:55

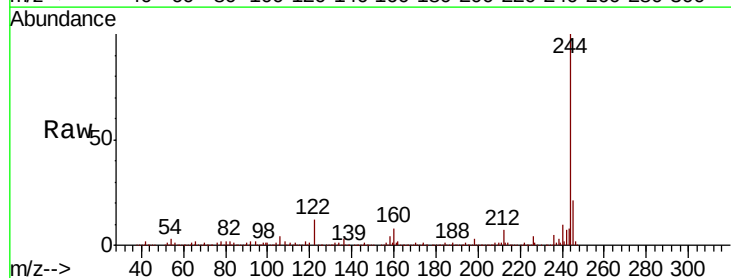
Tgt Ion:244 Resp: 1846999

Ion Ratio Lower Upper

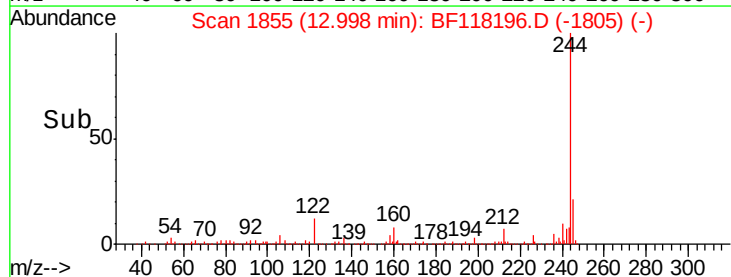
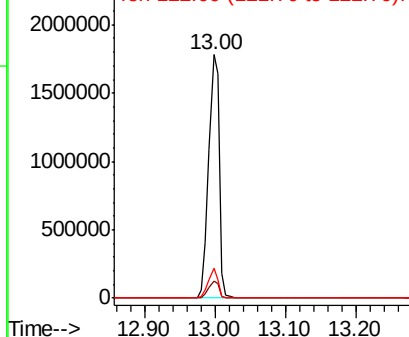
244 100

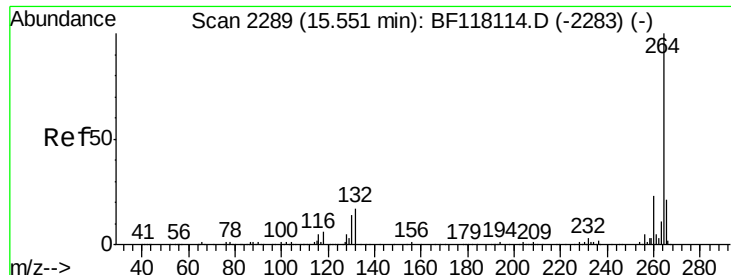
212 7.2 5.9 8.9

122 12.1 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

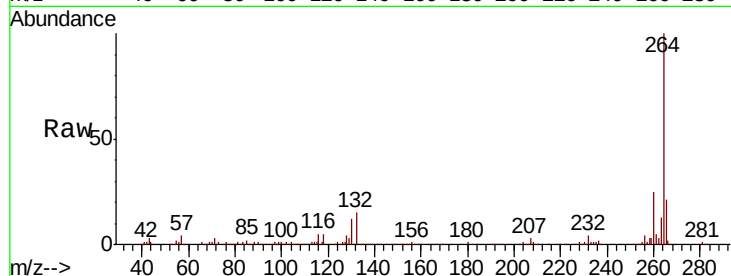




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.00 min
Lab File: BF118196.D
Acq: 13 Dec 2019 19:55

Instrument :
BNA_F
ClientSampleId :
S32-GAC-IDW01

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	28.0
265	21.2	16.8	25.2



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

