

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
 Data File : BF118858.D
 Acq On : 7 Feb 2020 18:46
 Operator : CG/JU
 Sample : L1394-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 03:38:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

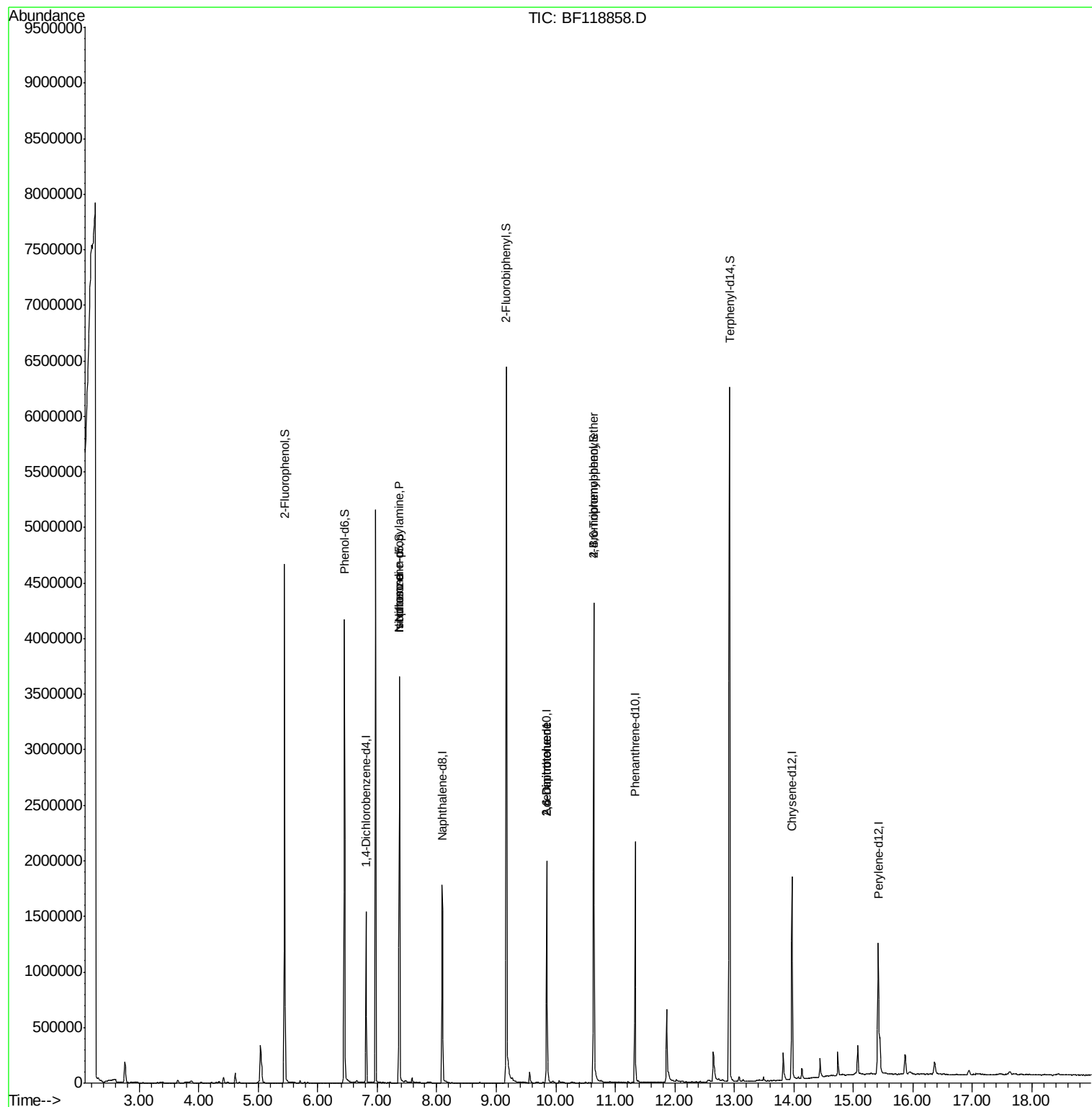
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	231615	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	887734	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	494972	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	836954	20.00	ng	0.00
76) Chrysene-d12	13.97	240	642344	20.00	ng	-0.01
87) Perylene-d12	15.42	264	711406	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1484227	121.30	ng	0.01
7) Phenol-d6	6.45	99	1609035	105.93	ng	0.00
23) Nitrobenzene-d5	7.37	82	1272341	85.43	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	686218	115.87	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2578726	93.14	ng	0.00
79) Terphenyl-d14	12.92	244	2591803	82.88	ng	0.00
Target Compounds						
9) Benzaldehyde	6.42	77	108	Below Cal		Qvalue # 18
19) n-Nitroso-di-n-propylamine	7.37	70	172151	18.524	ng	# 78
25) Isophorone	7.37	82	1272331	47.534	ng	# 63
51) 2,6-Dinitrotoluene	9.85	165	63276	8.205	ng	# 31
57) 2,4-Dinitrotoluene	9.85	165	63689	6.241	ng	# 34
67) 4-Bromophenyl-phenylether	10.64	248	44055	4.450	ng	# 1

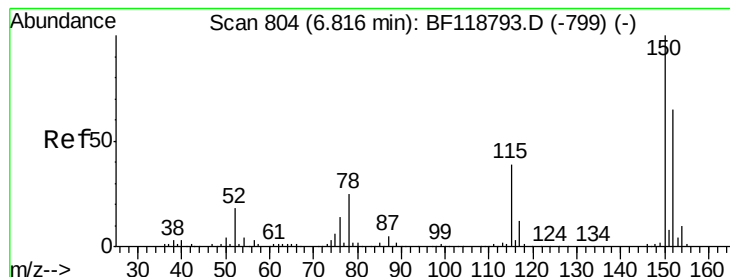
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 08 03:38:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



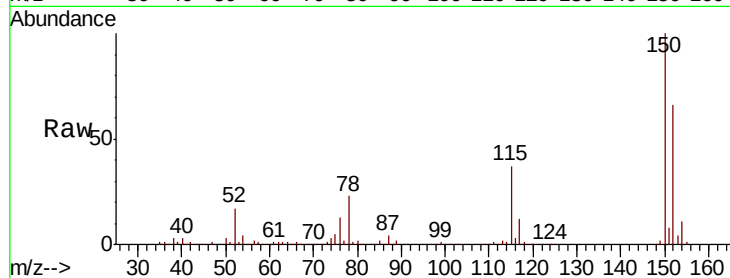


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118858.D
Acq: 7 Feb 2020 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	123.6	185.4
115	56.5	48.2	72.2

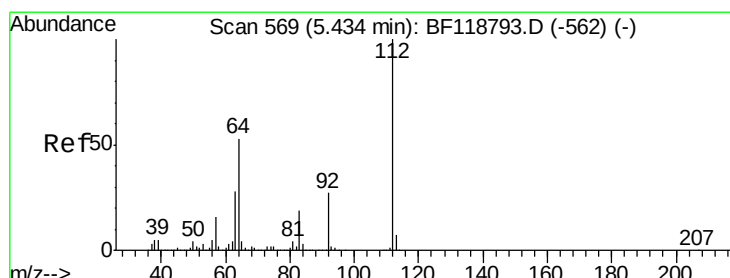
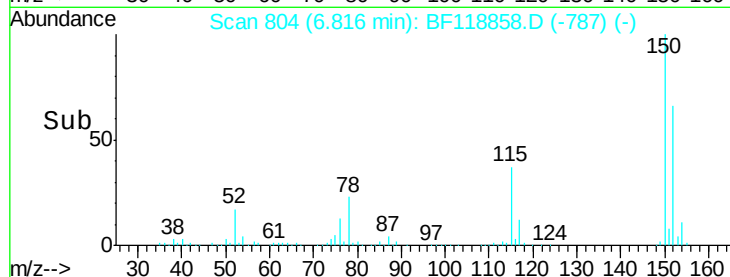
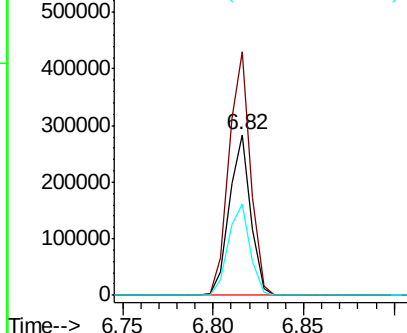


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

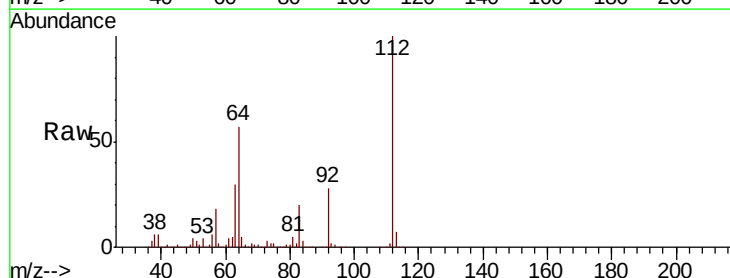
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 121.302 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF118858.D
Acq: 7 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	42.6	63.8
63	30.4	22.2	33.4

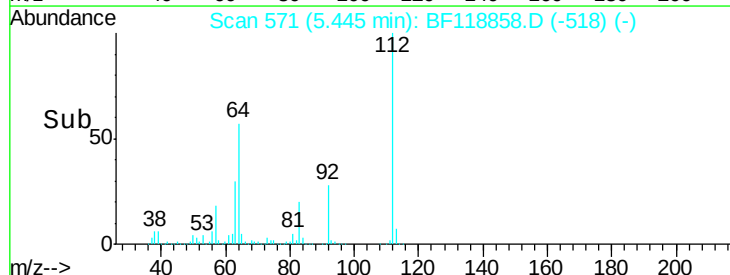
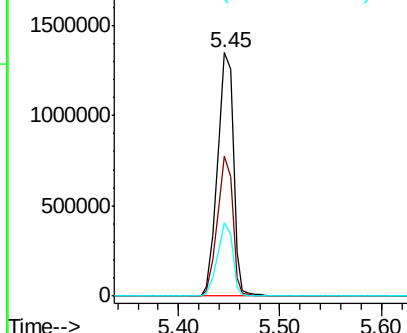


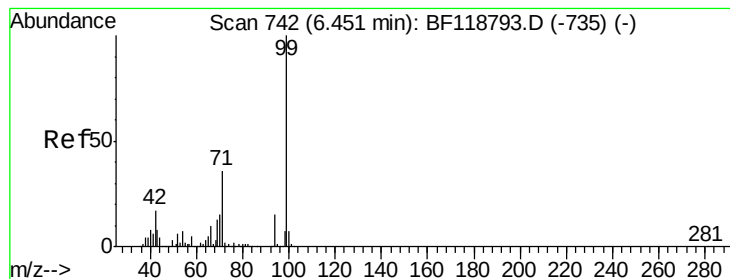
Abundance

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: 105.934 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF118858.D

Acq: 7 Feb 2020 18:46

Instrument :

BNA_F

ClientSampleId :

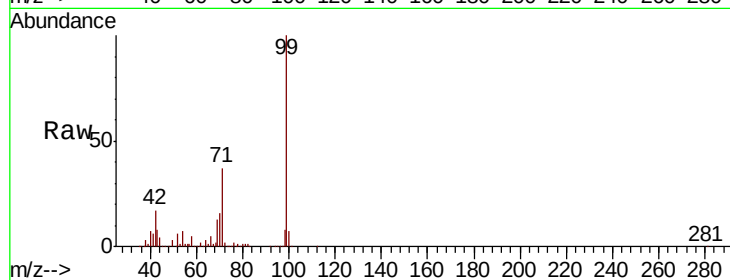
Tot Ion: 99 Resp: 1609035

Ion Ratio Lower Upper

99 100

42 17.1 13.4 20.0

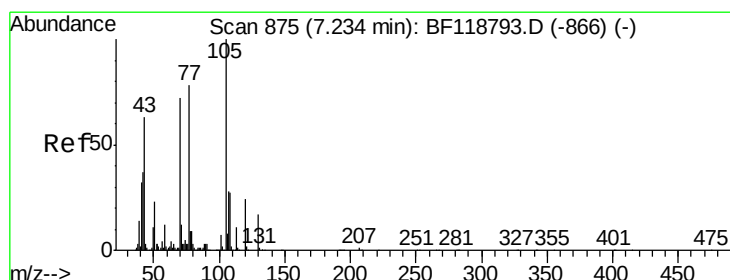
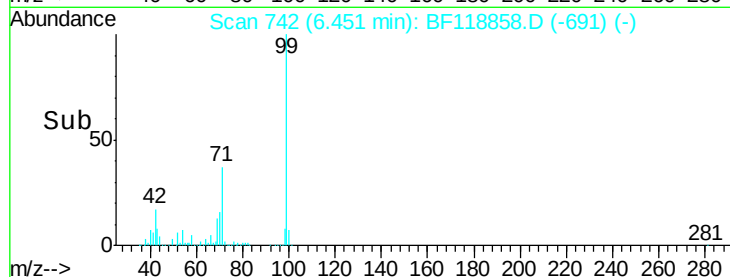
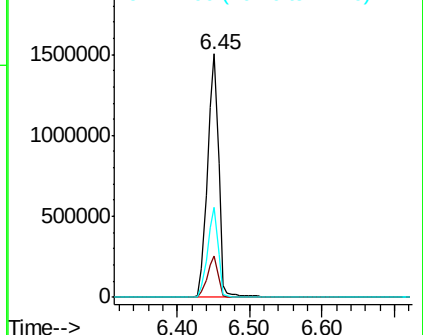
71 37.0 29.0 43.6



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: 18.524 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF118858.D

Acq: 7 Feb 2020 18:46

Tgt Ion: 70 Resp: 172151

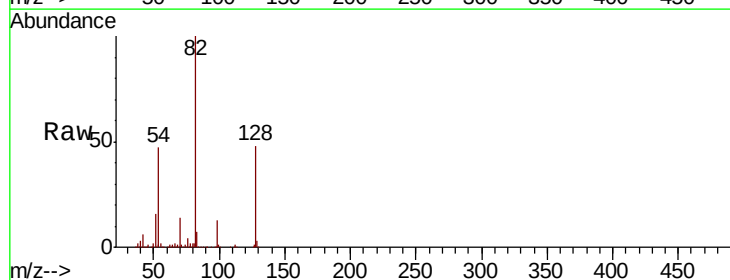
Ion Ratio Lower Upper

70 100

42 44.8 41.5 62.3

101 0.0 8.3 12.5#

130 2.2 19.2 28.8#

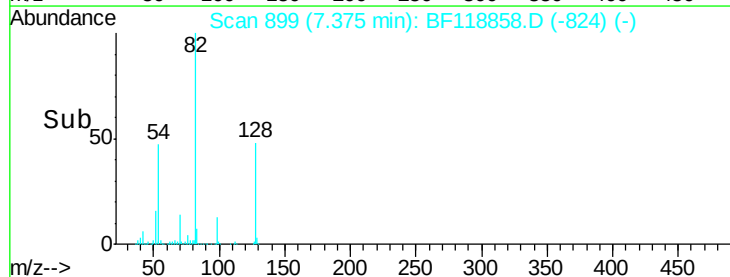
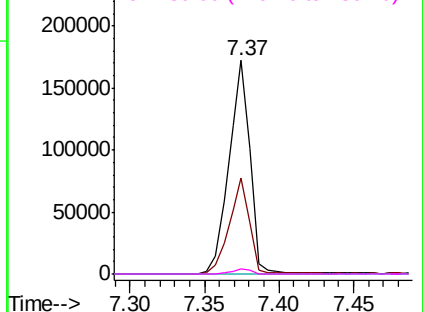


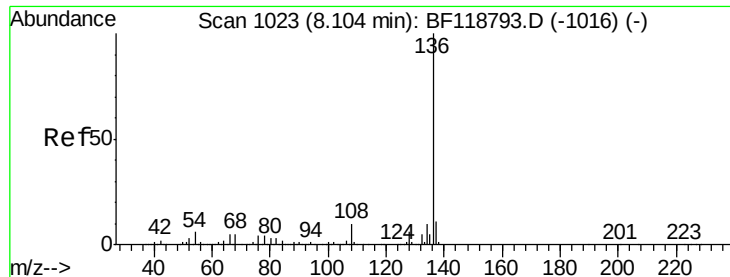
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF118858.D

Acq: 7 Feb 2020 18:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 887734

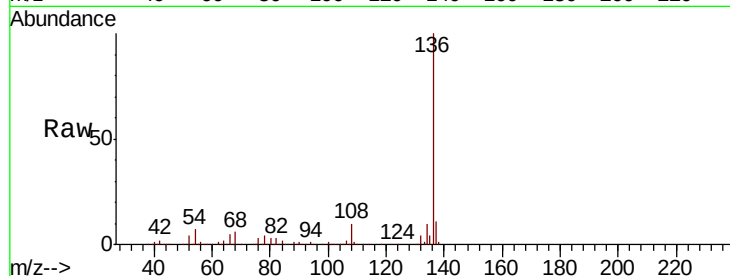
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.1 5.0 7.6

68 6.1 4.2 6.4

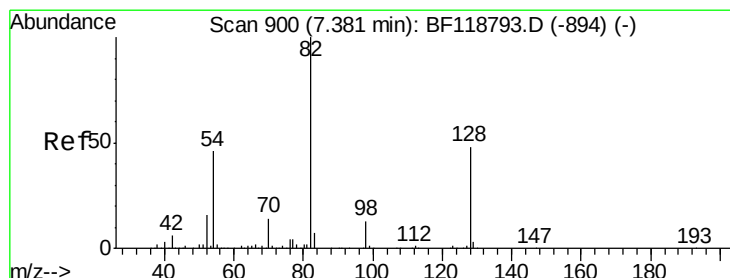
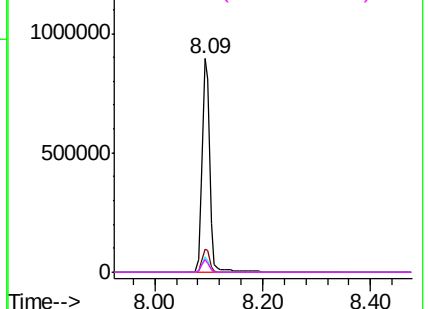
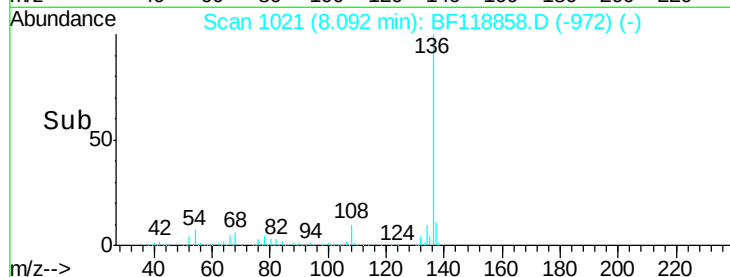


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.429 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF118858.D

Acq: 7 Feb 2020 18:46

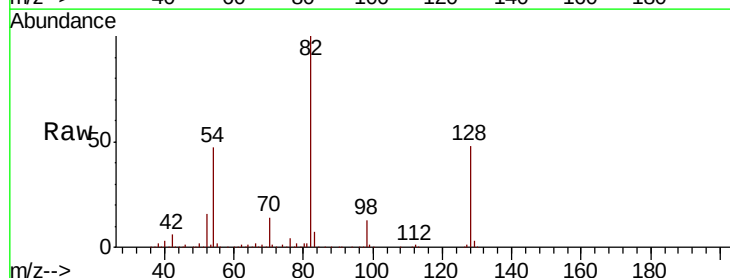
Tgt Ion: 82 Resp: 1272341

Ion Ratio Lower Upper

82 100

128 48.0 38.5 57.7

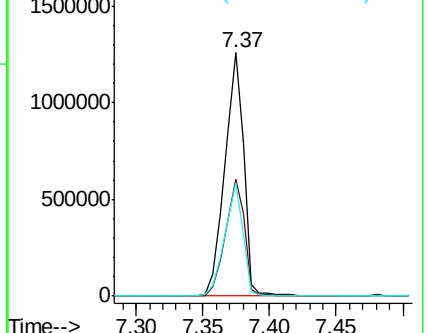
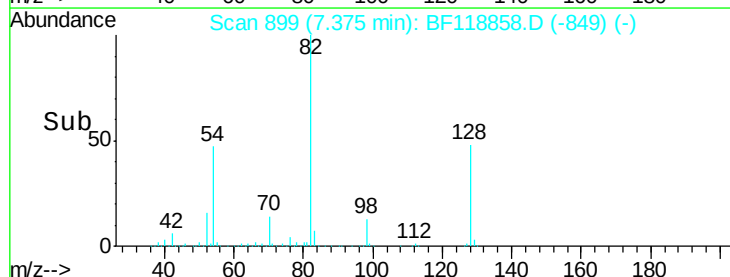
54 46.5 36.7 55.1

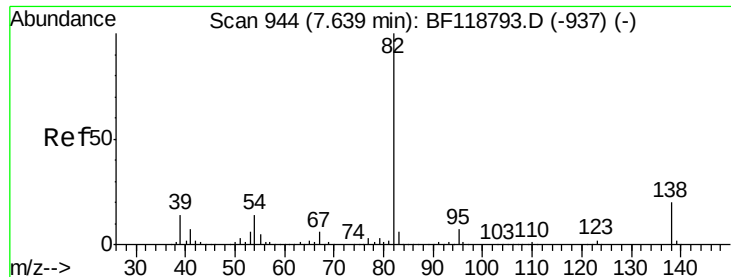


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.534 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF118858.D

Acq: 7 Feb 2020 18:46

Instrument :

BNA_F

ClientSampleId :

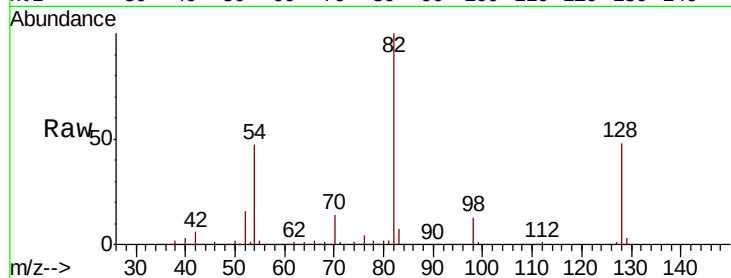
Tot Ion: 82 Resp: 1272331

Ion Ratio Lower Upper

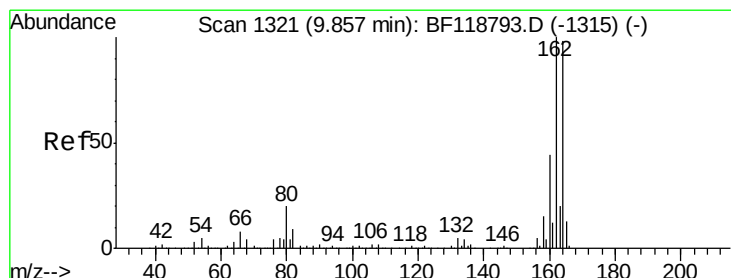
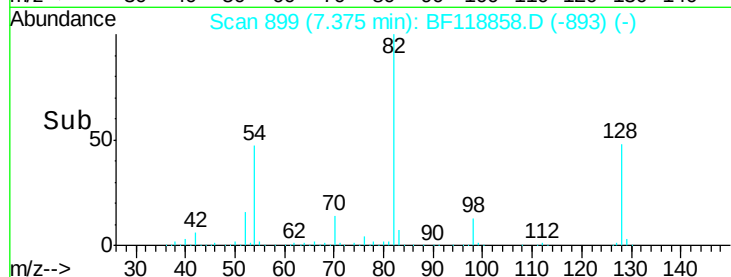
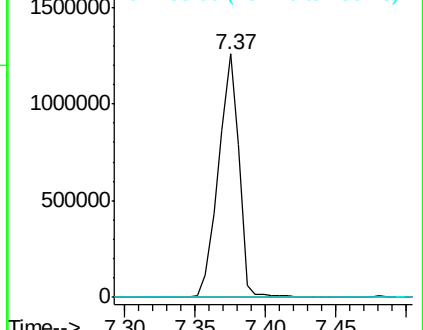
82 100

95 0.0 6.0 9.0#

138 0.0 15.7 23.5#



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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF118858.D

Acq: 7 Feb 2020 18:46

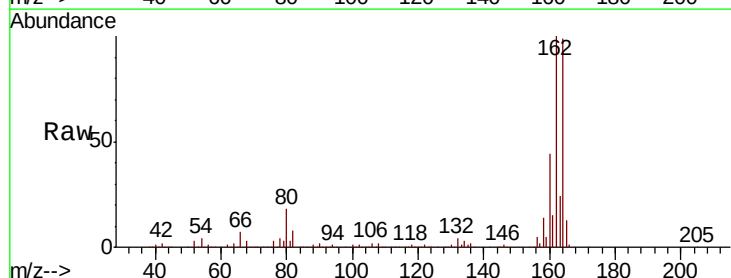
Tgt Ion: 164 Resp: 494972

Ion Ratio Lower Upper

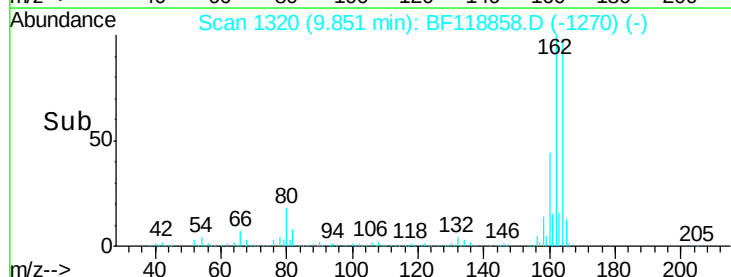
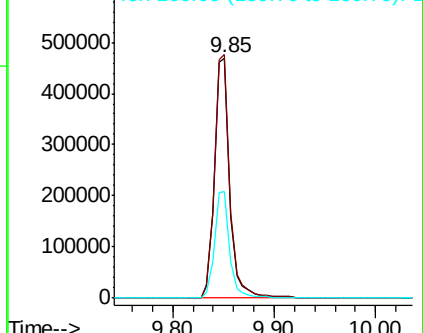
164 100

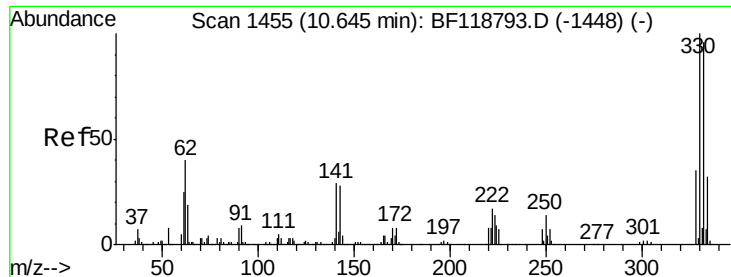
162 101.4 81.4 122.2

160 44.6 35.6 53.4



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: 115.867 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF118858.D

Acq: 7 Feb 2020 18:46

Instrument :

BNA_F

ClientSampleId :

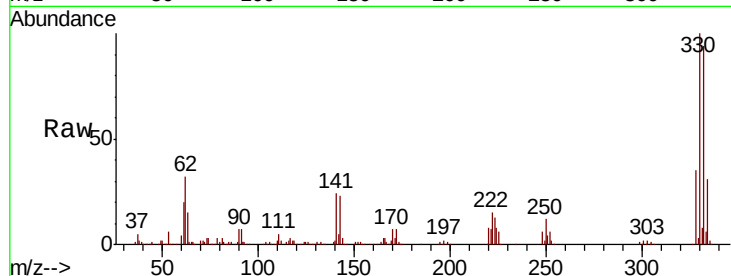
Tot Ion:330 Resp: 686218

Ion Ratio Lower Upper

330 100

332 95.9 77.3 115.9

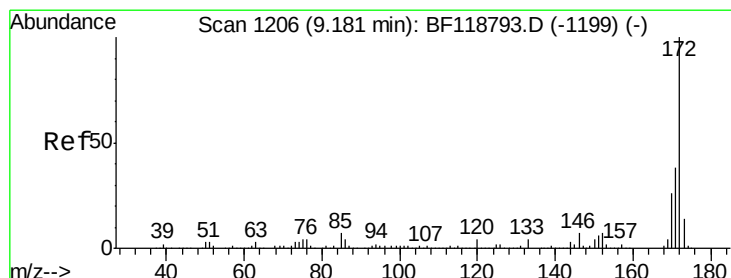
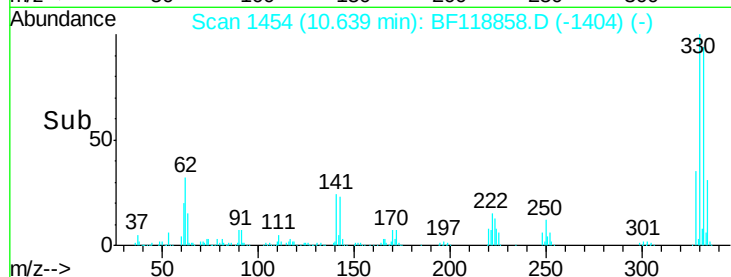
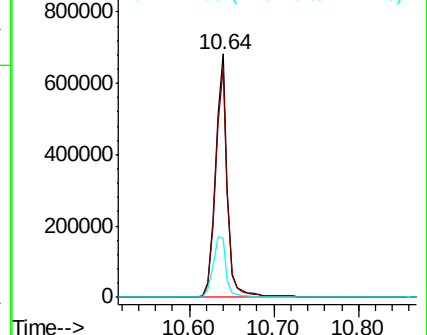
141 27.8 22.4 33.6



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: 93.136 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.01 min

Lab File: BF118858.D

Acq: 7 Feb 2020 18:46

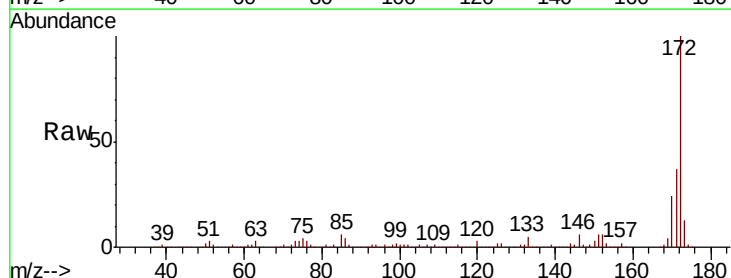
Tgt Ion:172 Resp: 2578726

Ion Ratio Lower Upper

172 100

171 37.1 30.8 46.2

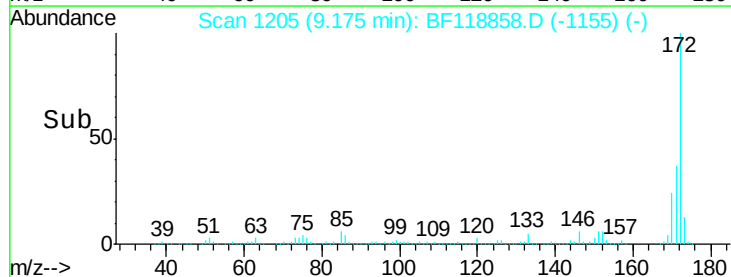
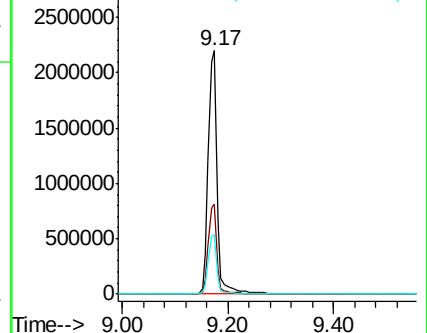
170 24.5 20.5 30.7

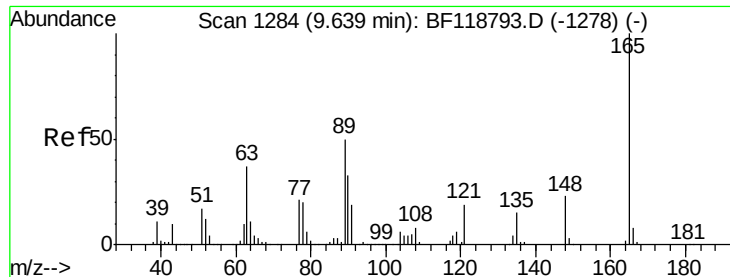


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

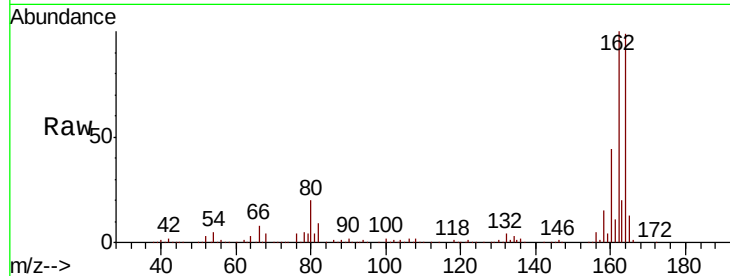




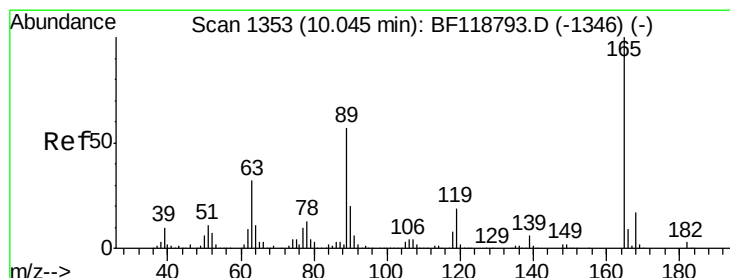
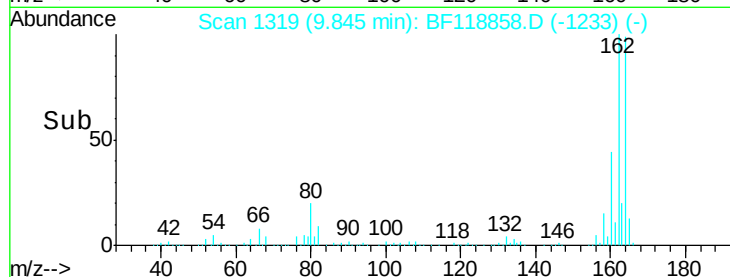
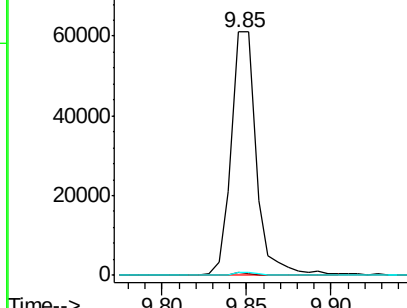
#51
 2,6-Dinitrotoluene
 Concen: 8.205 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF118858.D
 Acq: 7 Feb 2020 18:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	37.4	56.0#
89	1.5	39.7	59.5#



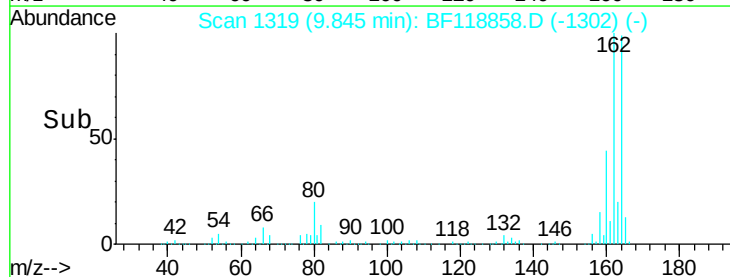
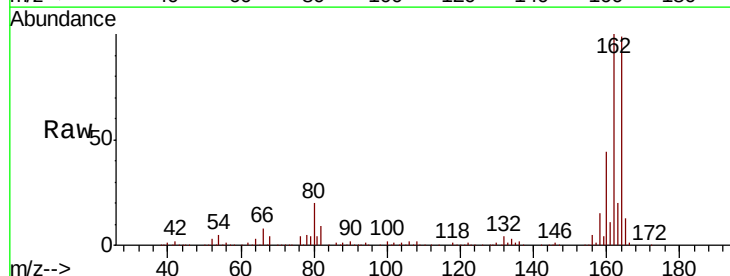
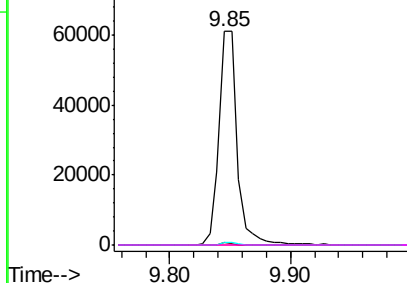
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

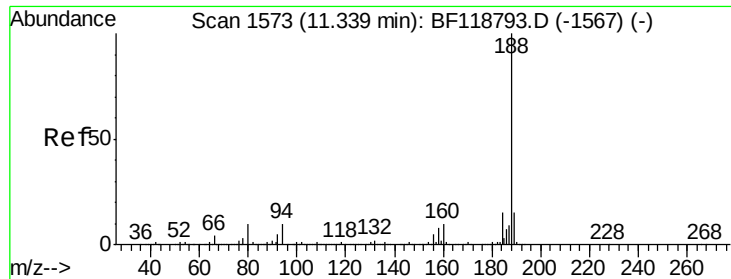


#57
 2,4-Dinitrotoluene
 Concen: 6.241 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF118858.D
 Acq: 7 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.5	38.3#
89	1.5	45.4	68.0#
182	0.0	2.4	3.6#

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. -0.01 min

Lab File: BF118858.D

Acq: 7 Feb 2020 18:46

Instrument :

BNA_F

ClientSampleId :

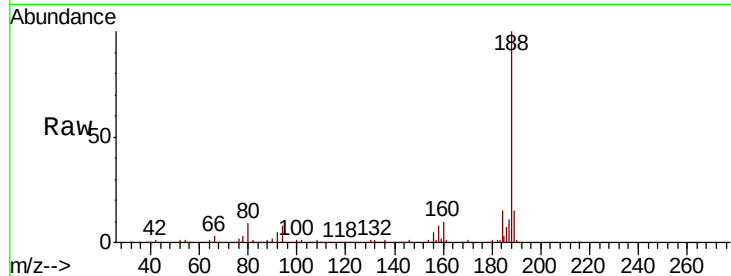
Tot Ion:188 Resp: 836954

Ion Ratio Lower Upper

188 100

94 8.5 7.9 11.9

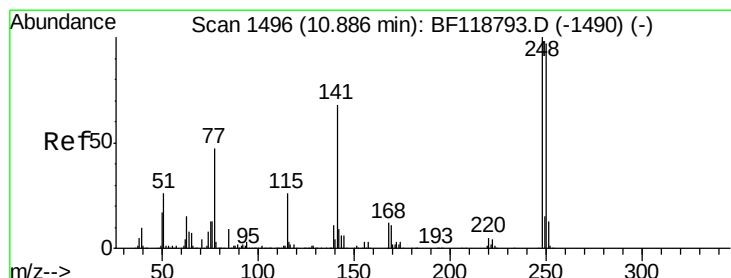
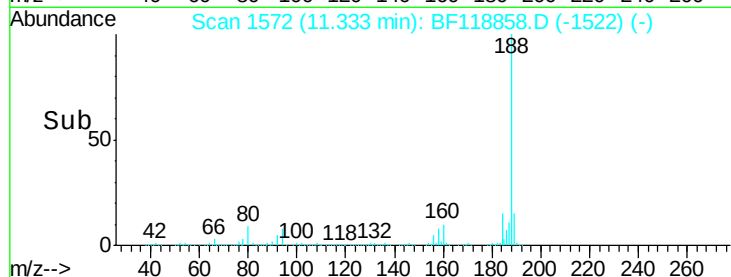
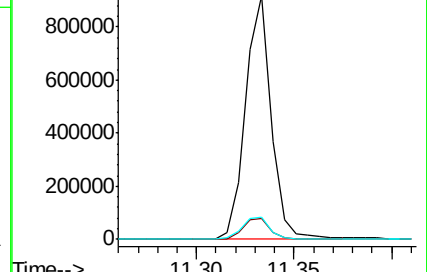
80 9.1 8.4 12.6



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



#67

4-Bromophenyl-phenylether

Concen: 4.450 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.25 min

Lab File: BF118858.D

Acq: 7 Feb 2020 18:46

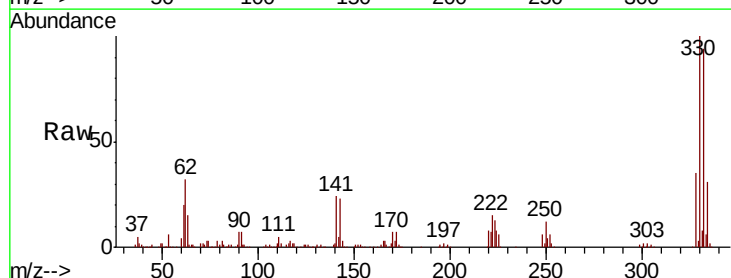
Tgt Ion:248 Resp: 44055

Ion Ratio Lower Upper

248 100

250 196.7 77.6 116.4#

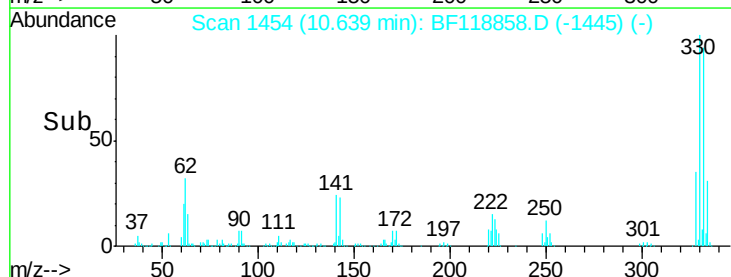
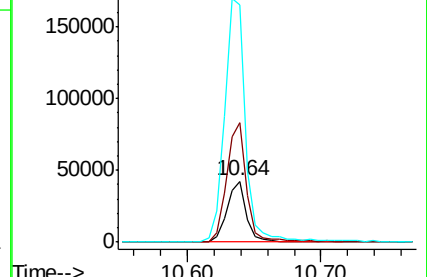
141 389.4 54.4 81.6#

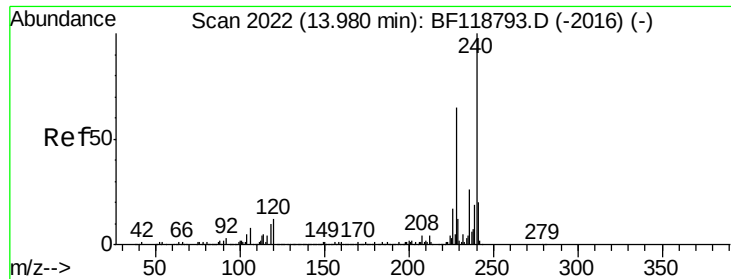


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF118858.D

Acq: 7 Feb 2020 18:46

Instrument :

BNA_F

ClientSampleId :

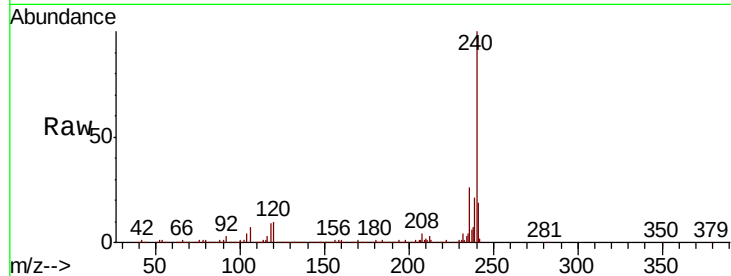
Tot Ion:240 Resp: 642344

Ion Ratio Lower Upper

240 100

120 10.1 9.4 14.0

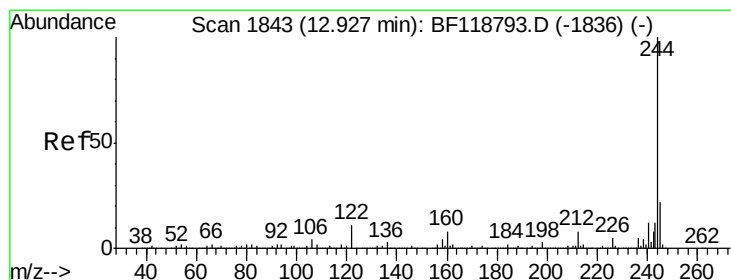
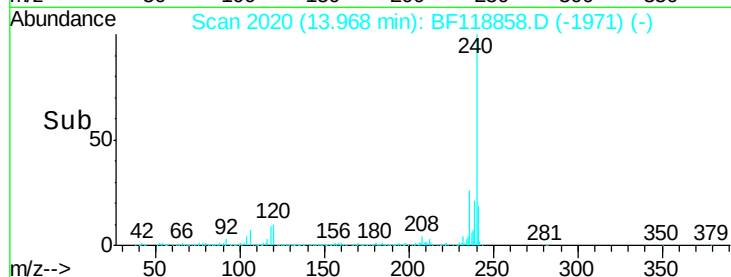
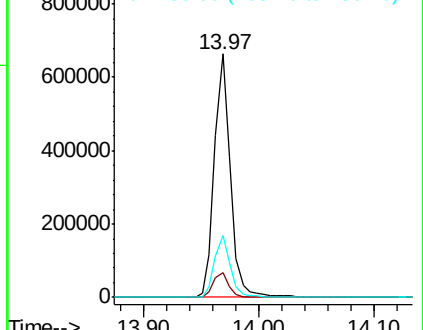
236 25.5 21.0 31.6



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



#79

Terphenyl-d14

Concen: 82.879 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF118858.D

Acq: 7 Feb 2020 18:46

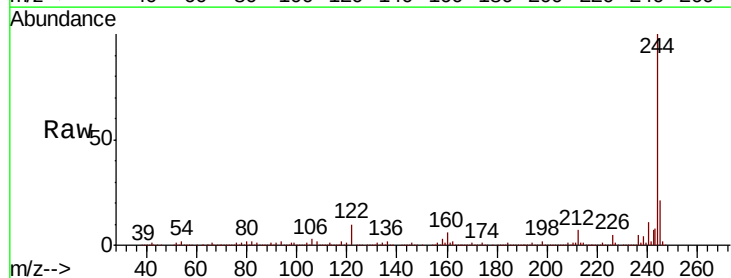
Tgt Ion:244 Resp: 2591803

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

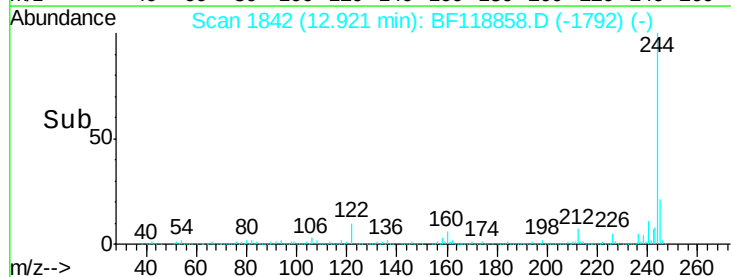
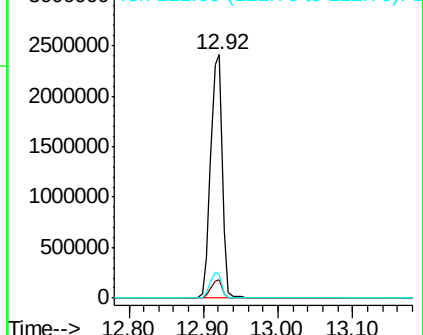
122 9.6 8.9 13.3

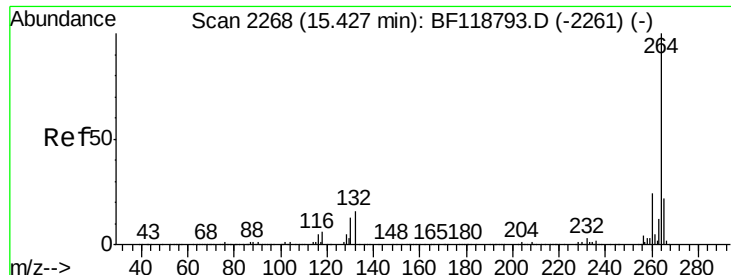


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

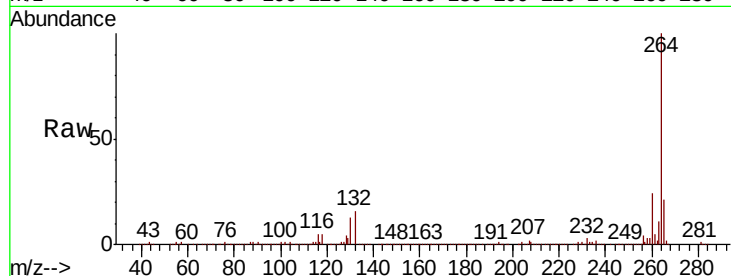




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118858.D
Acq: 7 Feb 2020 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	21.5	17.2	25.8



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

