

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
 Data File : BF112691.D
 Acq On : 25 Feb 2019 14:42
 Operator : JU/SJ
 Sample : K1597-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-22

Quant Time: Feb 25 15:32:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 25 14:05:25 2019
 Response via : Initial Calibration

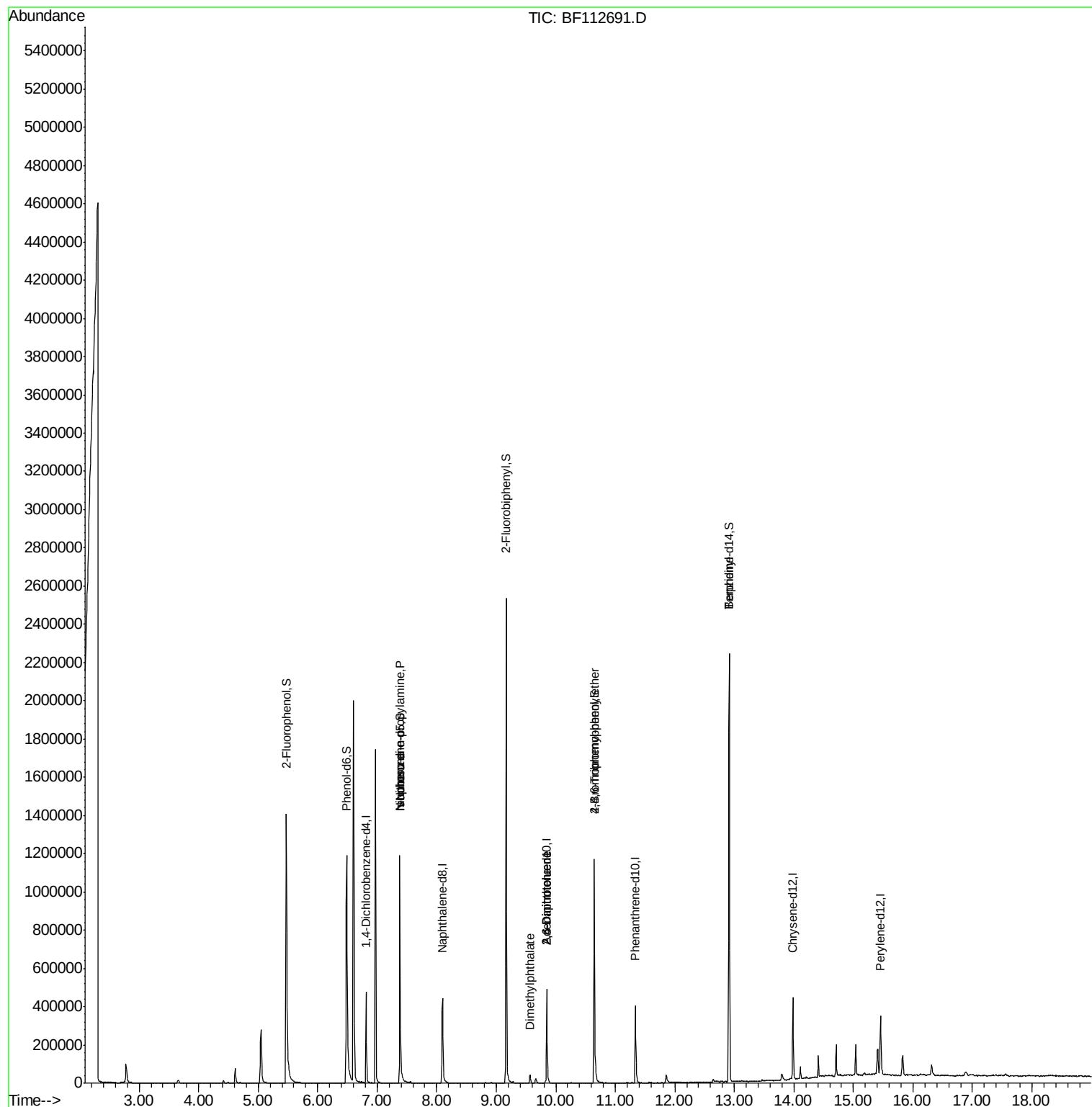
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	71867	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	263840	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	108039	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	175661	20.00	ng	0.00
76) Chrysene-d12	13.99	240	178739	20.00	ng	0.00
87) Perylene-d12	15.46	264	164002	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	513546	151.78	ng	0.01
7) Phenol-d6	6.49	99	559968	119.10	ng	0.00
23) Nitrobenzene-d5	7.38	82	443630	96.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.65	330	166453	132.36	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	782650	102.46	ng	0.00
79) Terphenyl-d14	12.92	244	721233	76.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	60939	18.797	ng	# 76
25) Isophorone	7.38	82	443628	61.757	ng	# 63
50) Dimethylphthalate	9.57	163	24569	2.927	ng	97
51) 2,6-Dinitrotoluene	9.85	165	13227	7.036	ng	# 32
57) 2,4-Dinitrotoluene	9.85	165	13227	5.527	ng	# 30
67) 4-Bromophenyl-phenylether	10.65	248	9858	4.771	ng	# 1
77) Benzidine	12.92	184	10867	2.209	ng	97

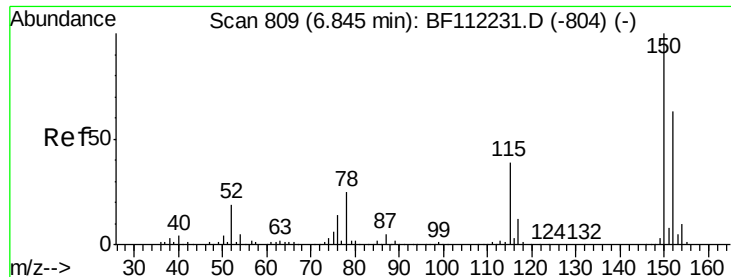
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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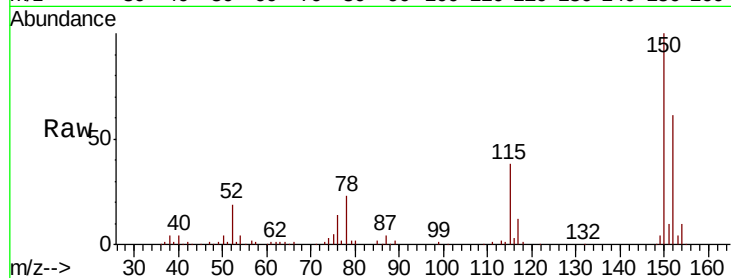


#1

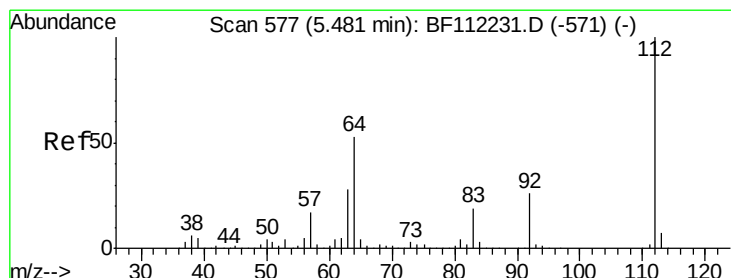
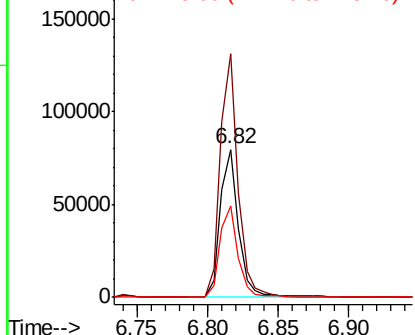
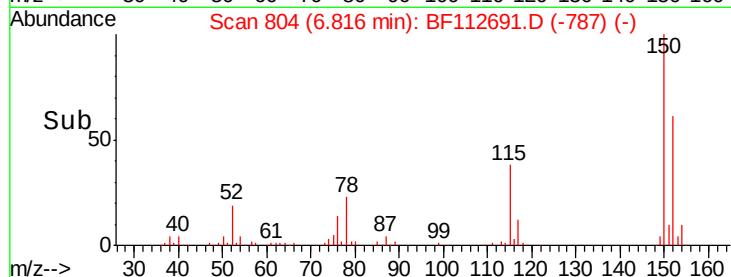
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF112691.D
Acq: 25 Feb 2019 14:42

Instrument :
BNA_F
ClientSampleId :
TP-22

Tot Ion:152 Resp: 71867
Ion Ratio Lower Upper
152 100
150 164.7 127.4 191.0
115 61.9 45.5 68.3



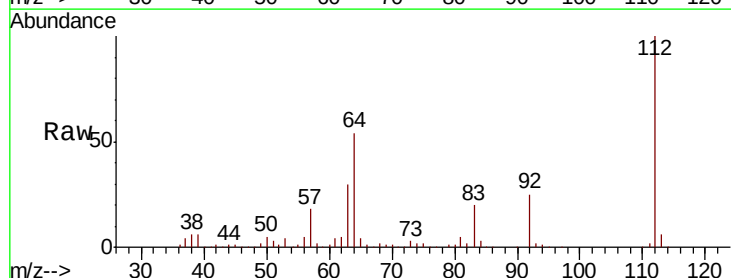
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



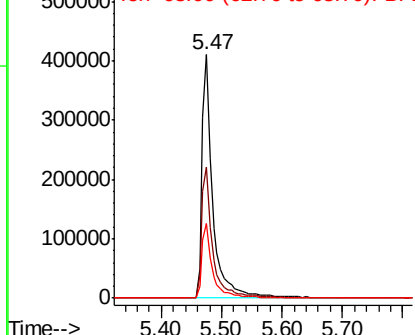
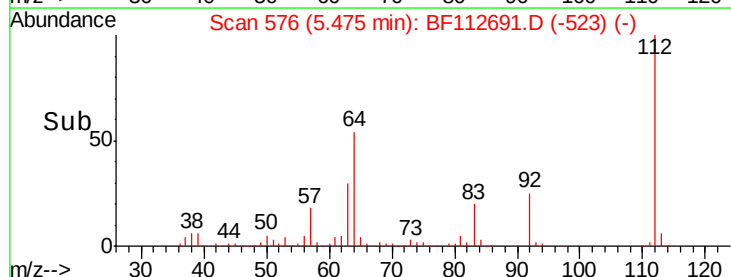
#5

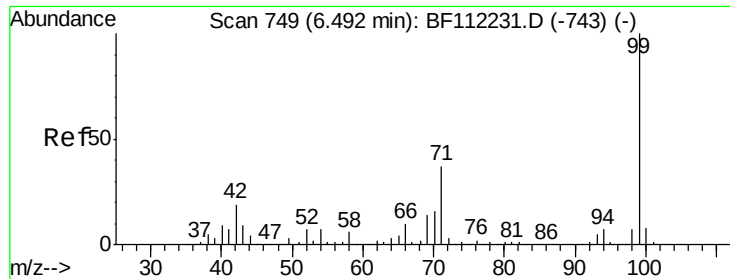
2-Fluorophenol
Concen: 151.781 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF112691.D
Acq: 25 Feb 2019 14:42

Tgt Ion:112 Resp: 513546
Ion Ratio Lower Upper
112 100
64 53.9 45.7 68.5
63 30.4 23.6 35.4



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: 119.104 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112691.D

Acq: 25 Feb 2019 14:42

Instrument :

BNA_F

ClientSampled :

TP-22

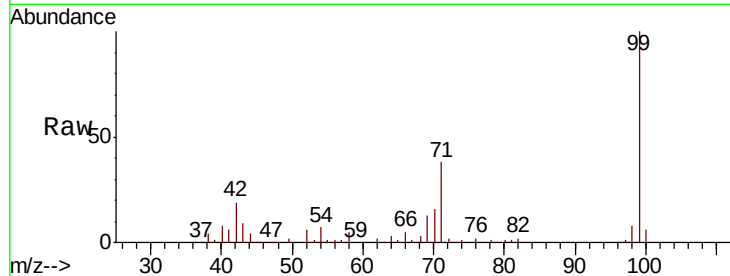
Tot Ion: 99 Resp: 559968

Ion Ratio Lower Upper

99 100

42 18.8 15.1 22.7

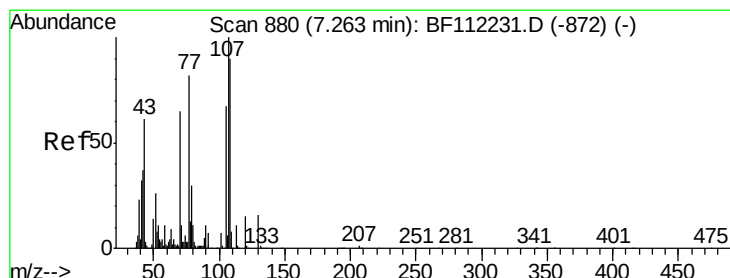
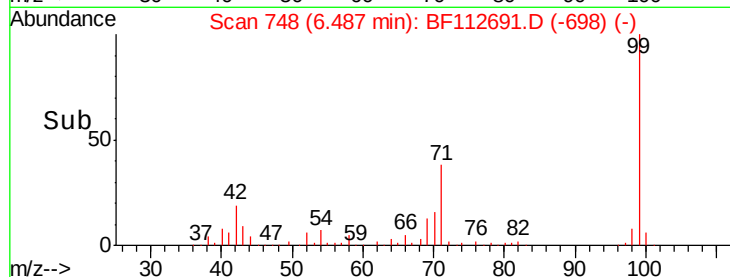
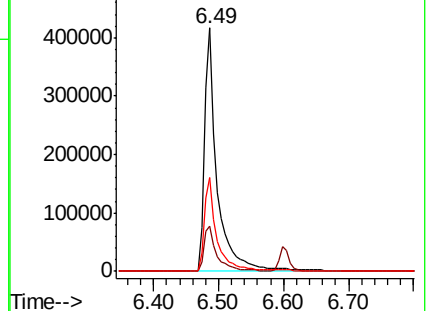
71 38.4 26.9 40.3



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: 18.797 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF112691.D

Acq: 25 Feb 2019 14:42

Tgt Ion: 70 Resp: 60939

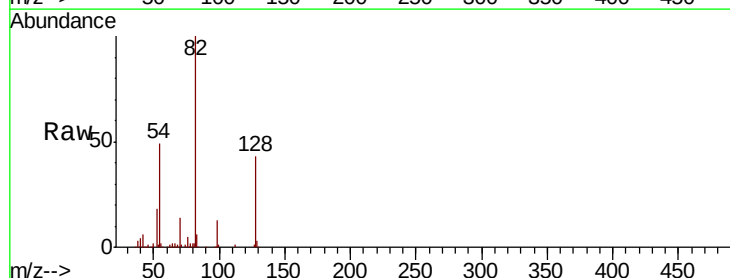
Ion Ratio Lower Upper

70 100

42 47.0 47.6 71.4#

101 0.0 7.9 11.9#

130 2.3 18.4 27.6#

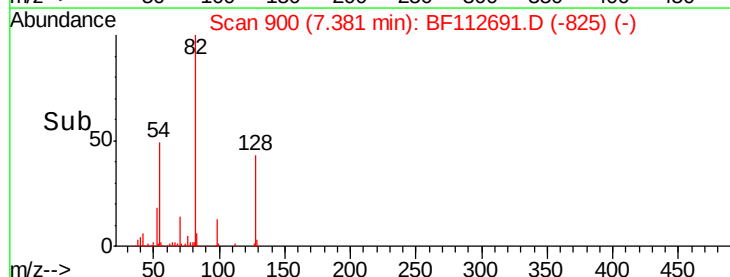
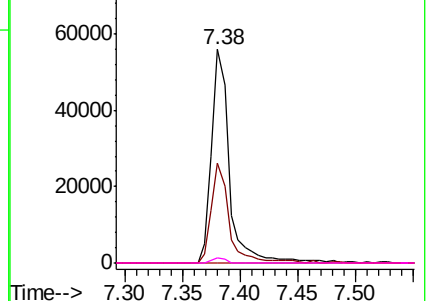


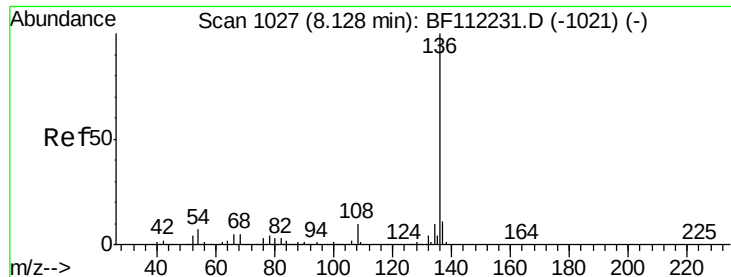
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

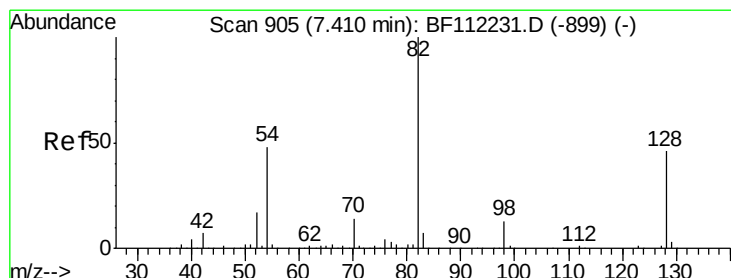
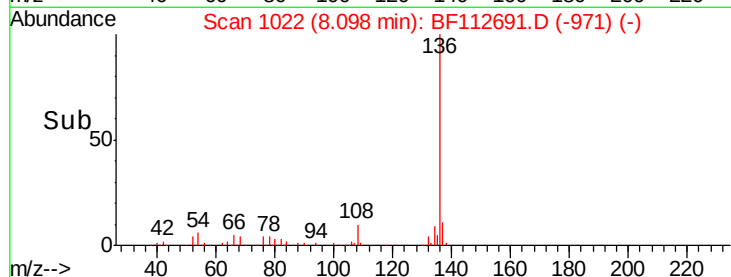
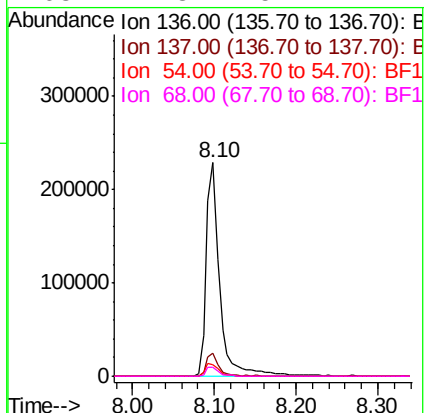
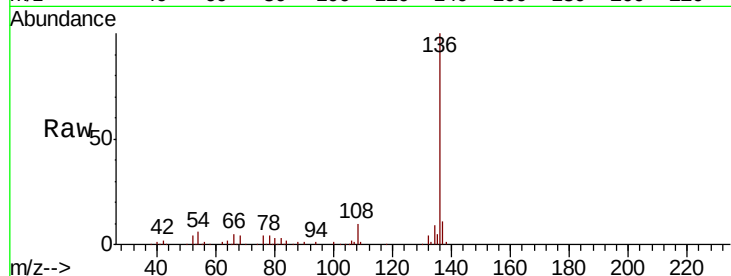




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF112691.D
Acq: 25 Feb 2019 14:42

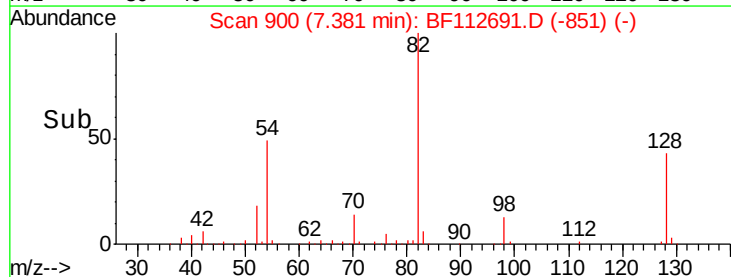
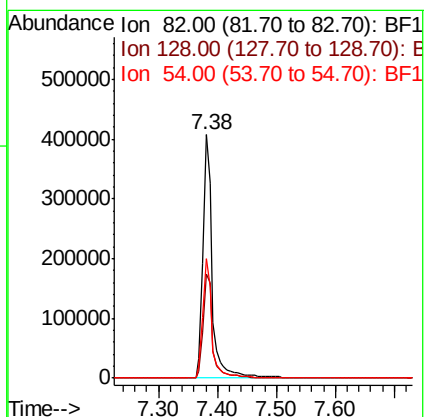
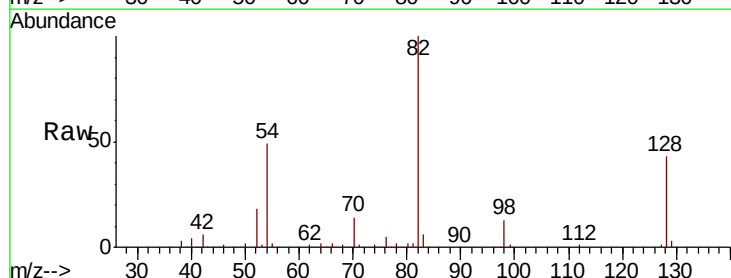
Instrument :
BNA_F
ClientSampleId :
TP-22

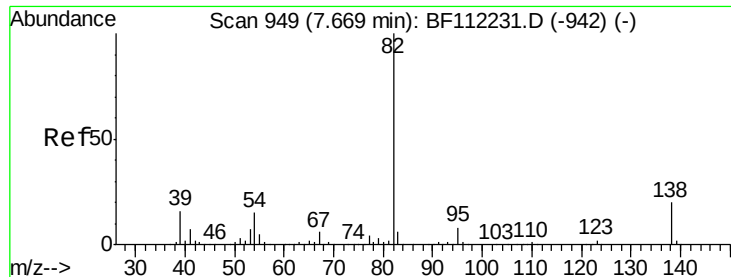
Tot Ion:136	Resp:	263840
Ion Ratio	Lower	Upper
136 100		
137 11.0	9.1	13.7
54 5.7	5.9	8.9#
68 4.3	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 96.884 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF112691.D
Acq: 25 Feb 2019 14:42

Tgt Ion: 82	Resp: 443630
Ion Ratio	Lower Upper
82 100	
128 42.8	37.8 56.8
54 48.8	39.7 59.5





#25

Isophorone

Concen: 61.757 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF112691.D

Acq: 25 Feb 2019 14:42

Instrument :

BNA_F

ClientSampled :

TP-22

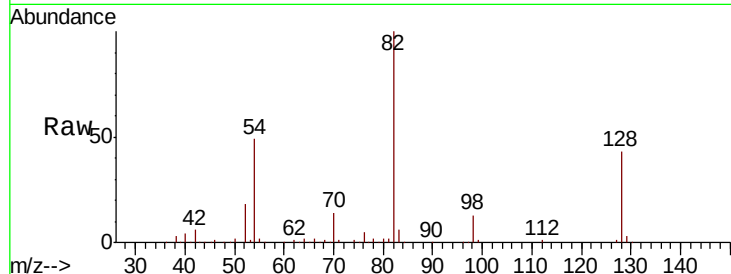
Tot Ion: 82 Resp: 443628

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

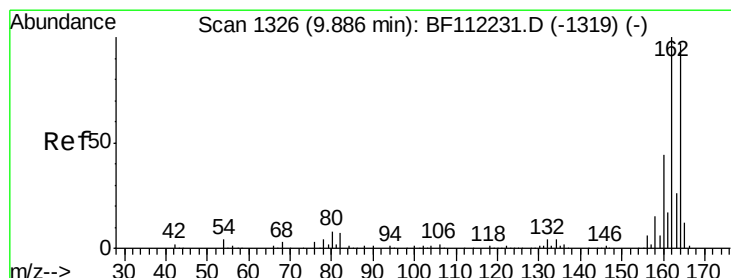
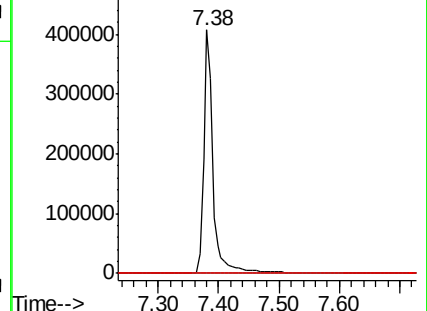
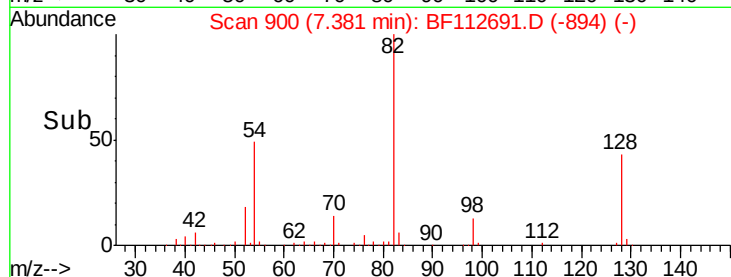
138 0.0 15.4 23.0#



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: BF112691.D

Acq: 25 Feb 2019 14:42

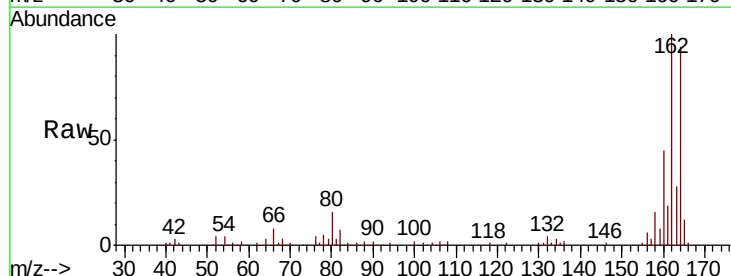
Tgt Ion: 164 Resp: 108039

Ion Ratio Lower Upper

164 100

162 106.4 82.2 123.4

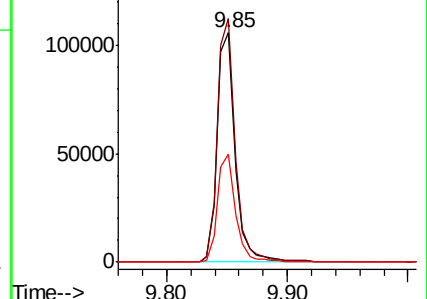
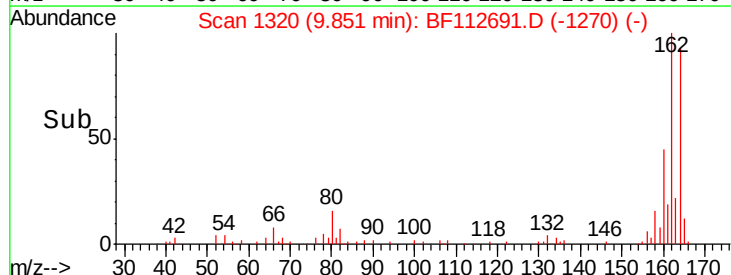
160 47.4 36.2 54.4

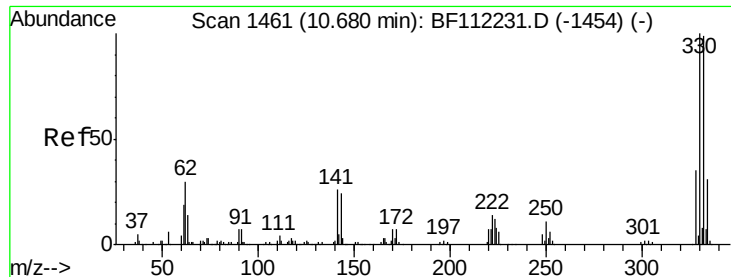


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 132.364 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF112691.D

Acq: 25 Feb 2019 14:42

Instrument :

BNA_F

ClientSampleId :

TP-22

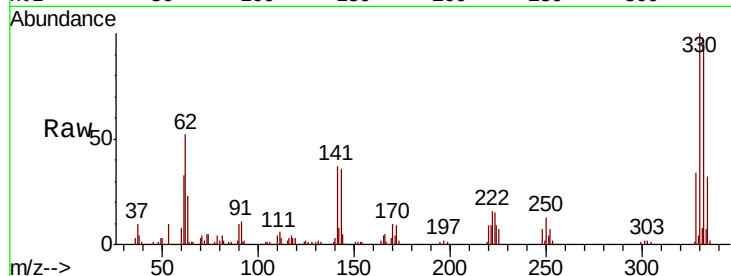
Tot Ion:330 Resp: 166453

Ion Ratio Lower Upper

330 100

332 96.3 76.6 114.8

141 35.3 24.3 36.5

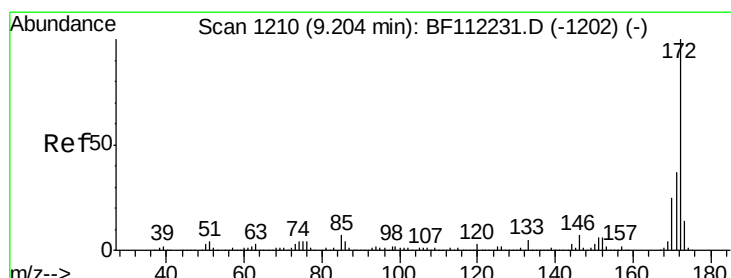
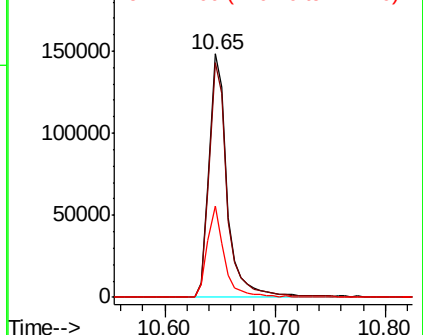
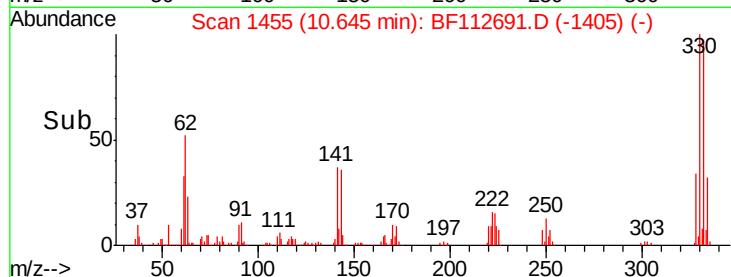


Abundance

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: 102.457 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF112691.D

Acq: 25 Feb 2019 14:42

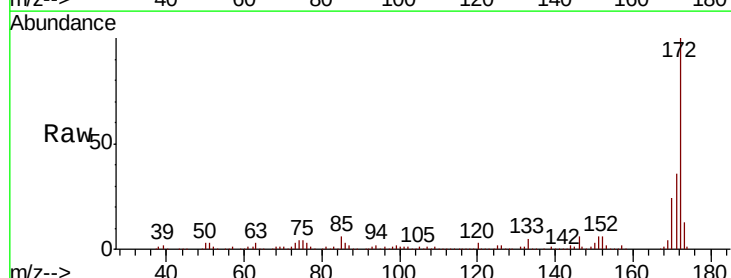
Tgt Ion:172 Resp: 782650

Ion Ratio Lower Upper

172 100

171 36.0 30.5 45.7

170 23.7 20.2 30.4

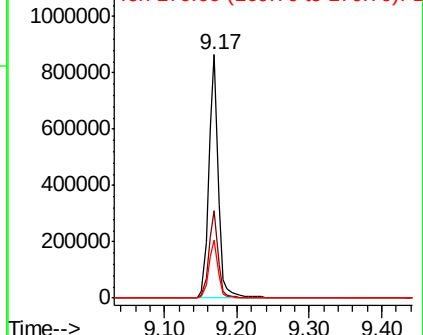
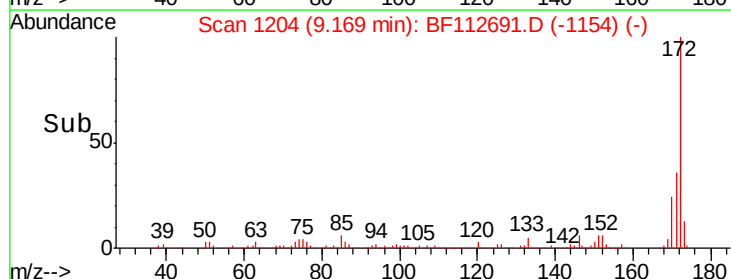


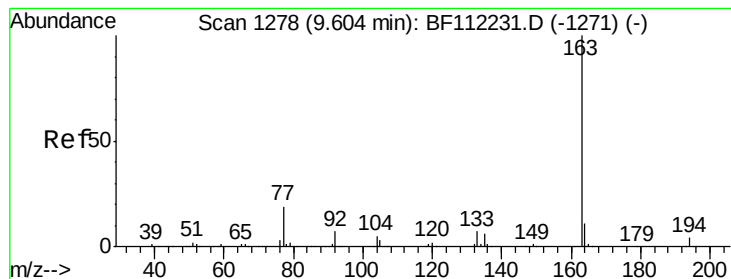
Abundance

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: 2.927 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF112691.D

Acq: 25 Feb 2019 14:42

Instrument :

BNA_F

ClientSampleId :

TP-22

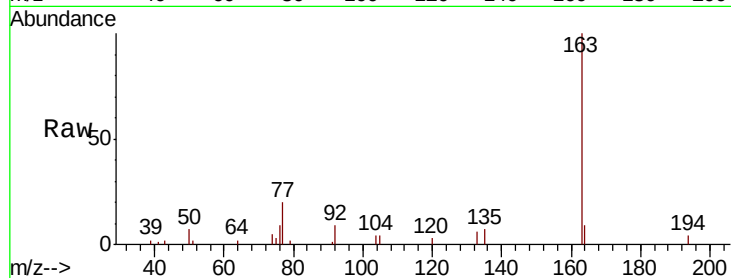
Tot Ion:163 Resp: 24569

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

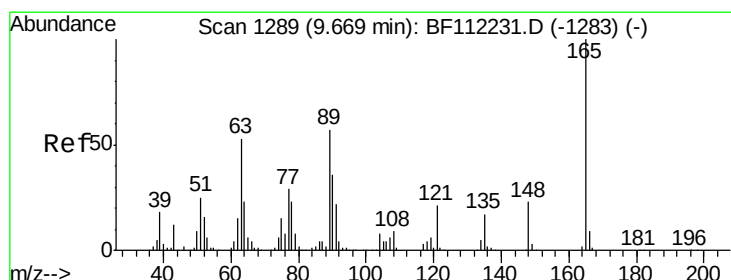
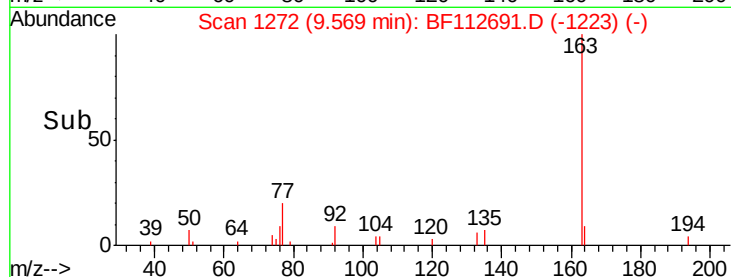
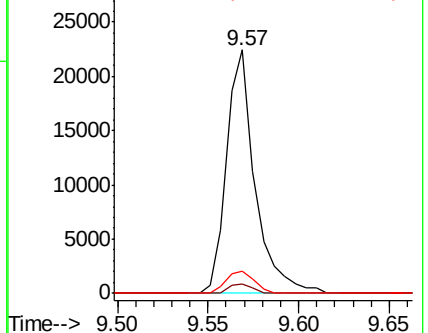
164 9.2 8.5 12.7



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: 7.036 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.20 min

Lab File: BF112691.D

Acq: 25 Feb 2019 14:42

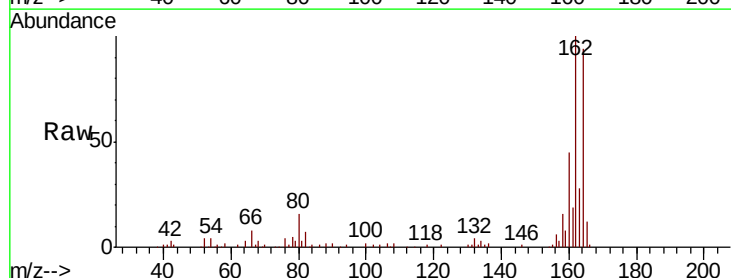
Tgt Ion:165 Resp: 13227

Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

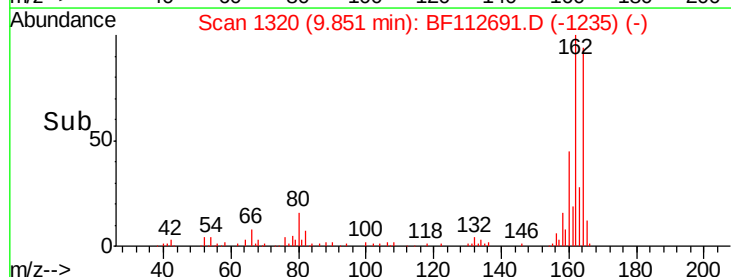
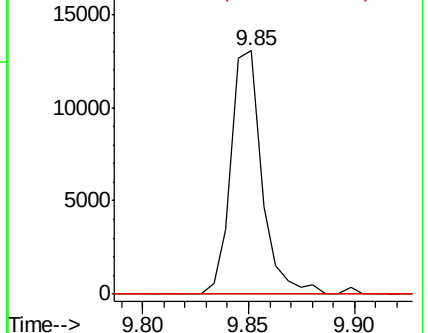
89 0.0 36.9 55.3#

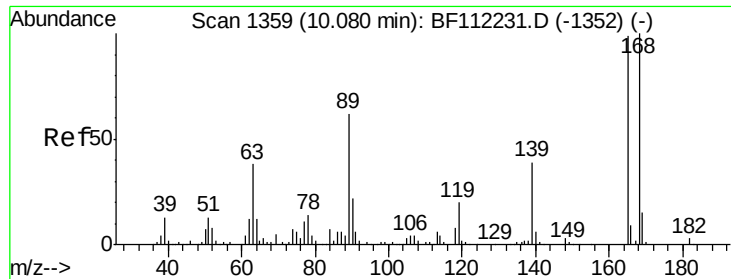


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 5.527 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.22 min

Lab File: BF112691.D

Acq: 25 Feb 2019 14:42

Instrument :

BNA_F

ClientSampleId :

TP-22

Tot Ion:165 Resp: 13227

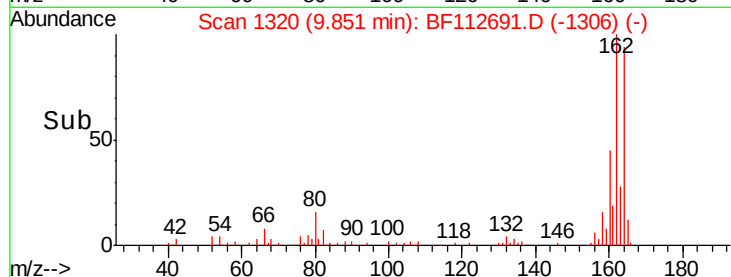
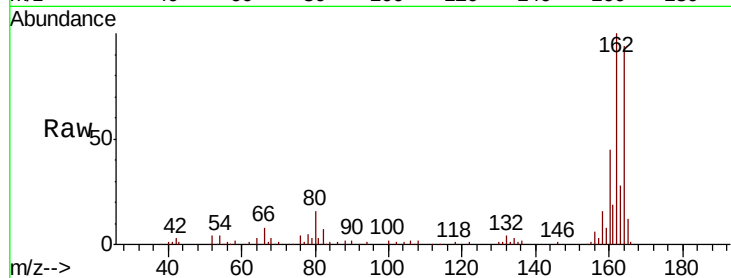
Ion Ratio Lower Upper

165 100

63 0.0 27.9 41.9#

89 0.0 47.9 71.9#

182 0.0 2.2 3.4#

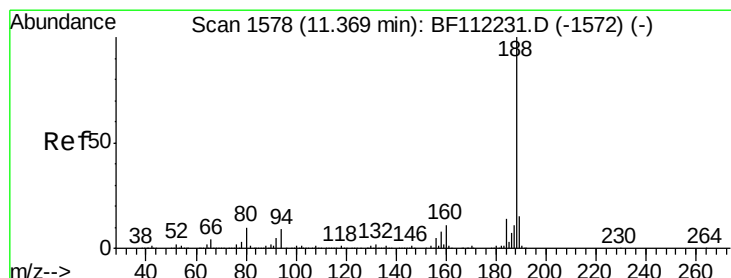
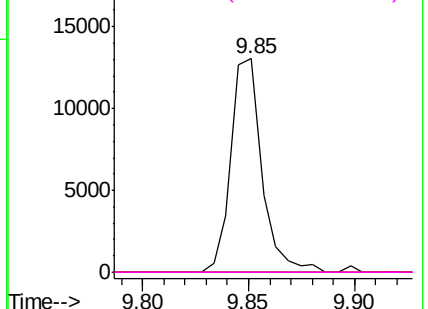


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF112691.D

Acq: 25 Feb 2019 14:42

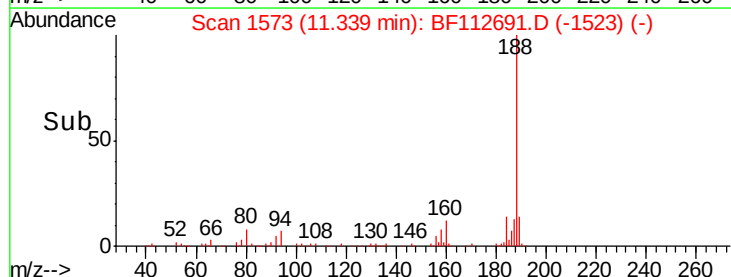
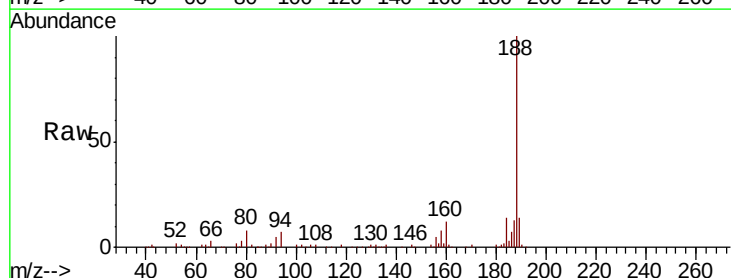
Tgt Ion:188 Resp: 175661

Ion Ratio Lower Upper

188 100

94 7.5 8.2 12.2#

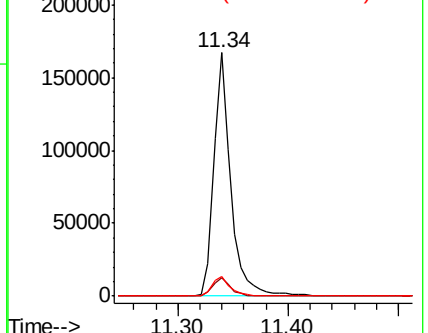
80 8.2 8.9 13.3#

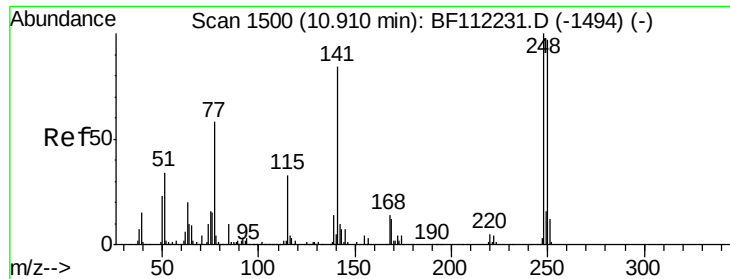


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

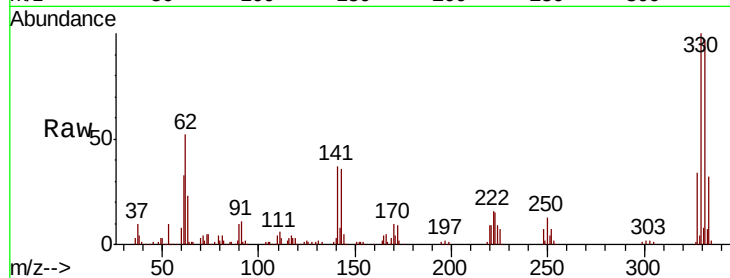




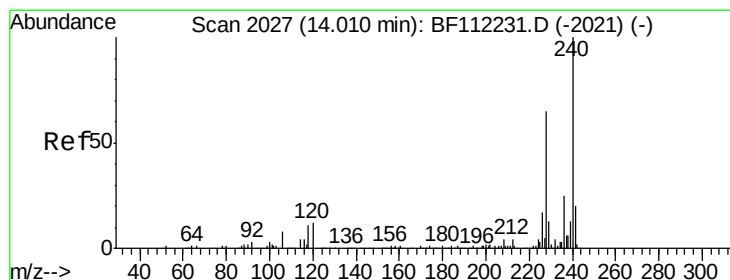
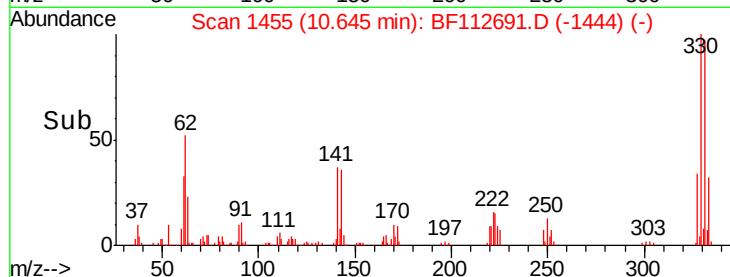
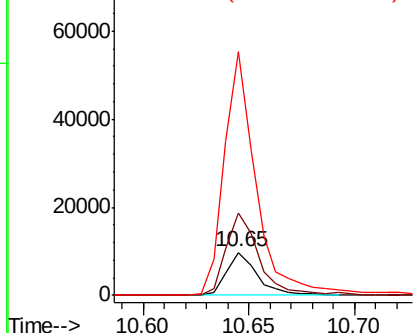
#67
4-Bromophenyl-phenylether
Concen: 4.771 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF112691.D
Acq: 25 Feb 2019 14:42

Instrument :
BNA_F
ClientSampleId :
TP-22

Tot Ion:248 Resp: 9858
Ion Ratio Lower Upper
248 100
250 190.4 79.7 119.5#
141 564.1 60.3 90.5#

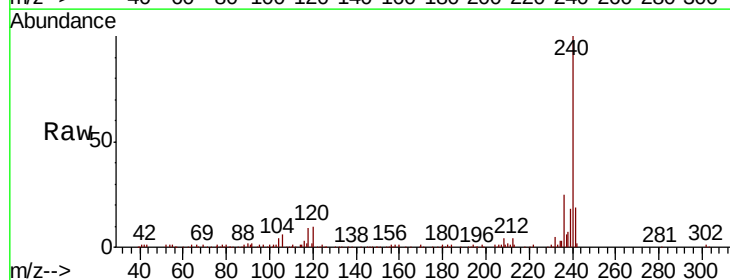


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

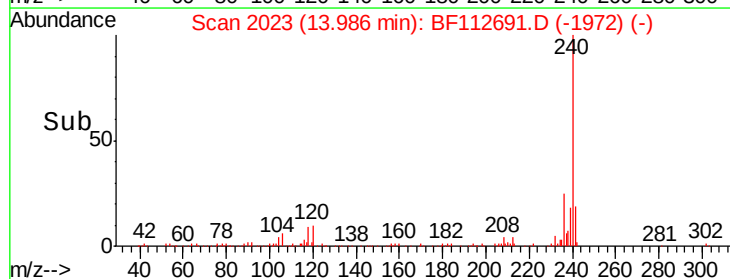
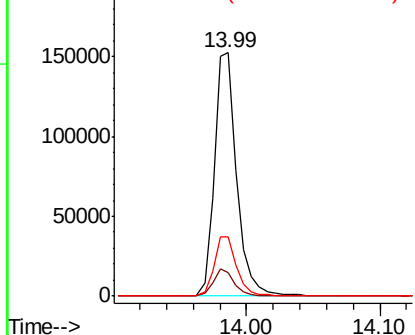


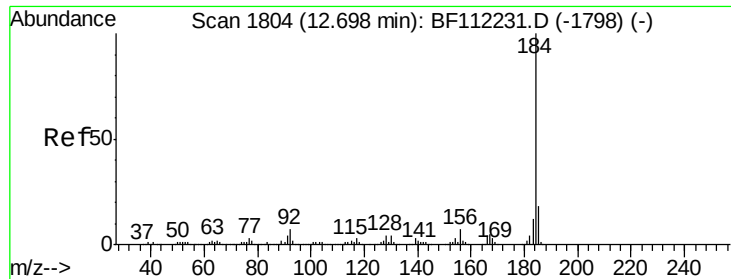
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BF112691.D
Acq: 25 Feb 2019 14:42

Tgt Ion:240 Resp: 178739
Ion Ratio Lower Upper
240 100
120 9.6 9.0 13.6
236 24.6 20.7 31.1



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: 2.209 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.24 min

Lab File: BF112691.D

Acq: 25 Feb 2019 14:42

Instrument :

BNA_F

ClientSampleId :

TP-22

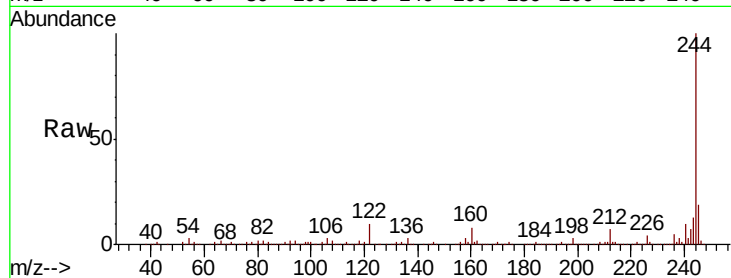
Tot Ion:184 Resp: 10867

Ion Ratio Lower Upper

184 100

185 16.3 13.9 20.9

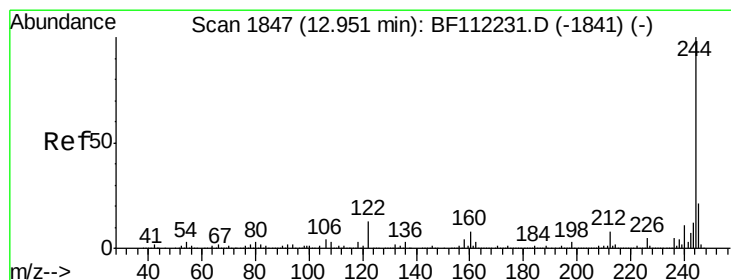
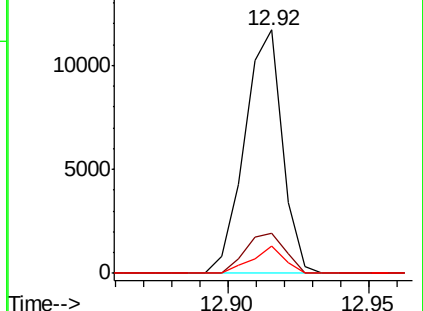
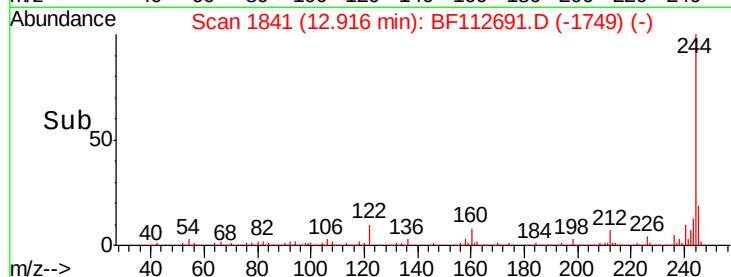
183 11.4 10.0 15.0



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: 75.999 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF112691.D

Acq: 25 Feb 2019 14:42

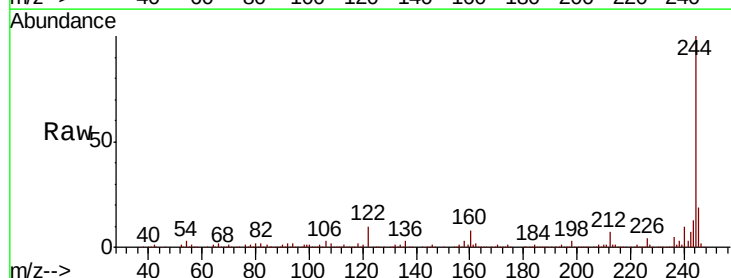
Tgt Ion:244 Resp: 721233

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

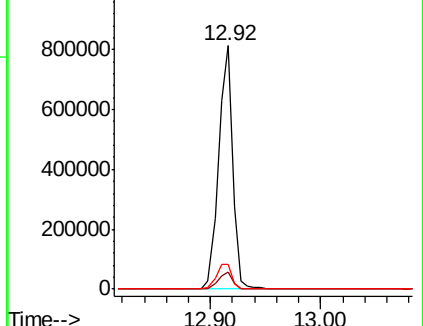
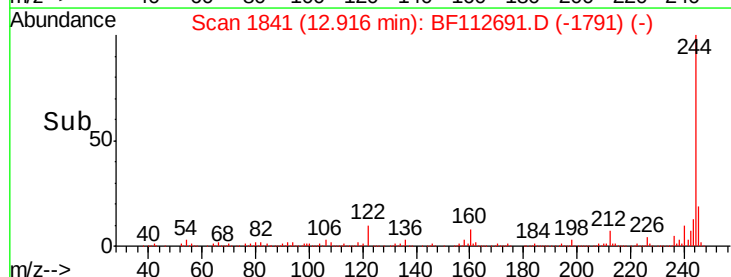
122 10.3 9.8 14.6

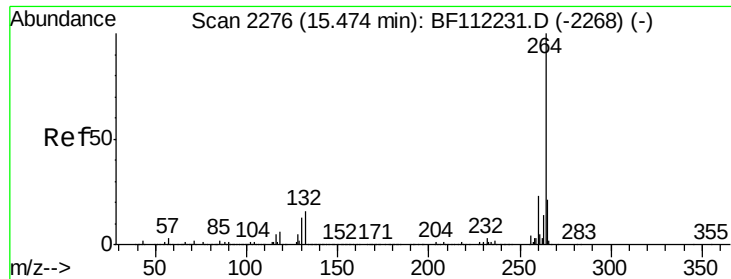


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF112691.D
Acq: 25 Feb 2019 14:42

Instrument :
BNA_F
ClientSampleId :
TP-22

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.2
265	22.0	17.0	25.4

