

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115697.D
 Acq On : 20 Jul 2019 2:55
 Operator : HP/JU
 Sample : K3887-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 04:02:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

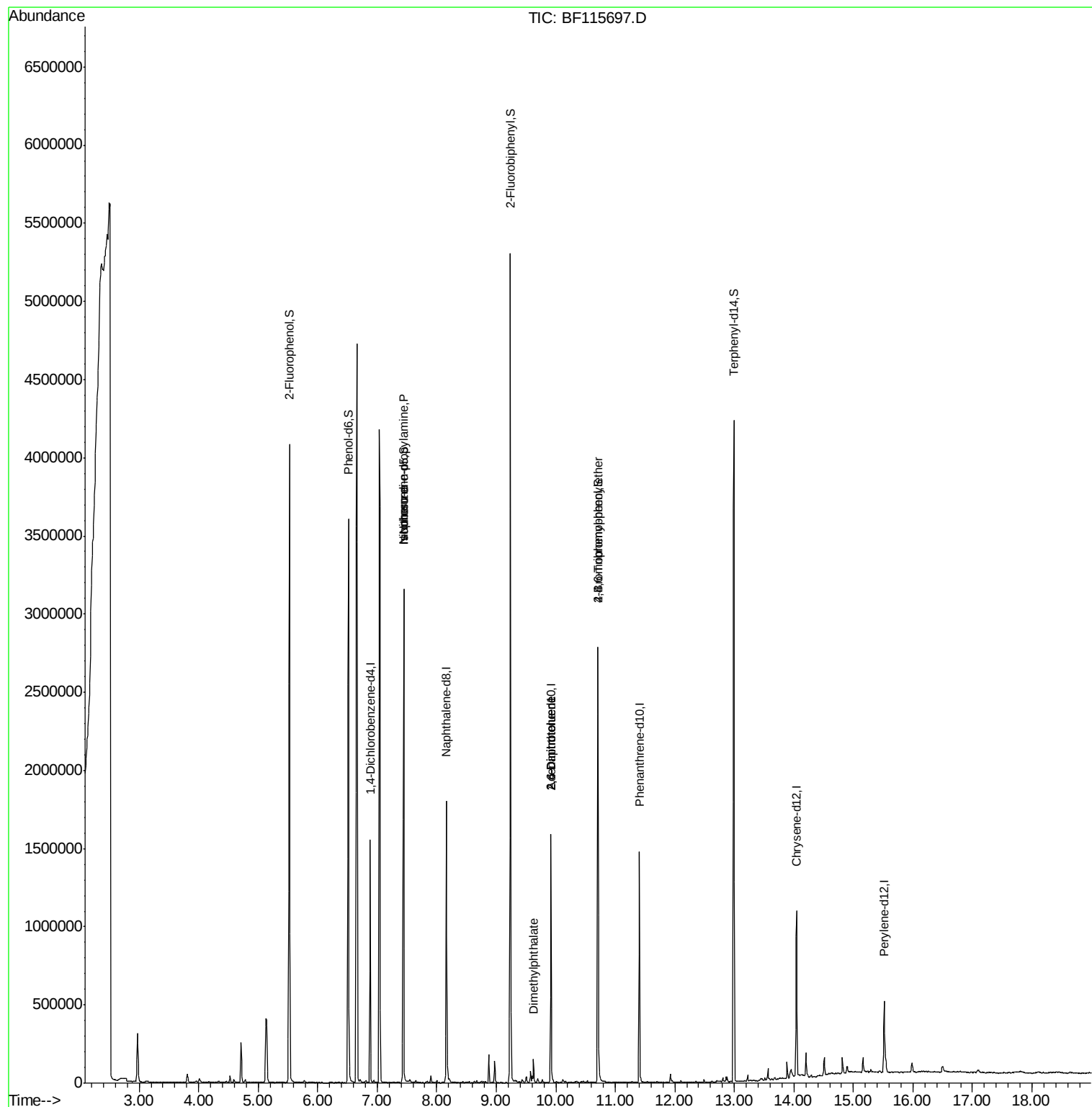
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	213646	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	795295	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	333298	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	495163	20.00	ng	0.00
76) Chrysene-d12	14.04	240	342940	20.00	ng	0.00
87) Perylene-d12	15.52	264	228389	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1368246	104.76	ng	0.02
7) Phenol-d6	6.52	99	1597629	96.40	ng	0.00
23) Nitrobenzene-d5	7.45	82	1200225	87.75	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	388042	99.74	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1891303	99.32	ng	-0.01
79) Terphenyl-d14	12.99	244	1488703	80.10	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	158807	14.692	ng	# 79
25) Isophorone	7.45	82	1185408	43.313	ng	# 64
50) Dimethylphthalate	9.63	163	59410	2.369	ng	# 98
51) 2,6-Dinitrotoluene	9.92	165	43998	7.721	ng	# 27
57) 2,4-Dinitrotoluene	9.92	165	44000	5.960	ng	# 24
67) 4-Bromophenyl-phenylether	10.71	248	24567	4.342	ng	# 1

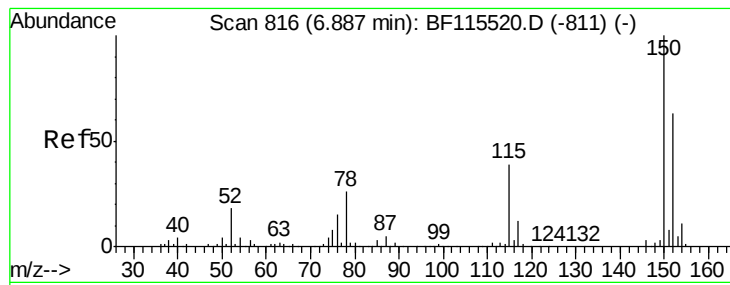
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration



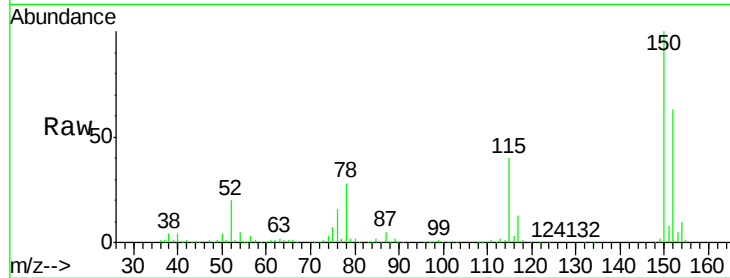


#1

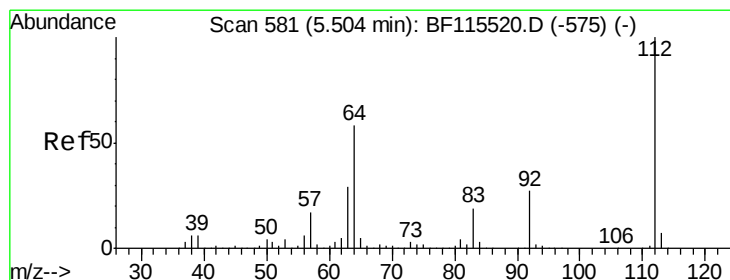
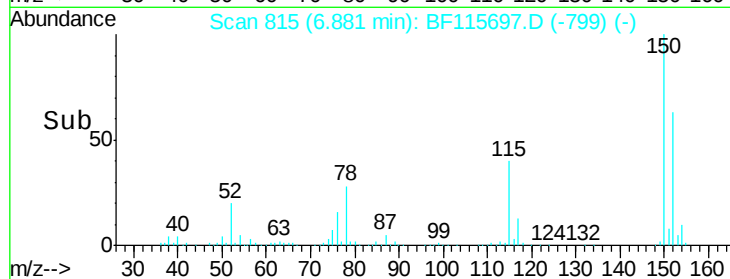
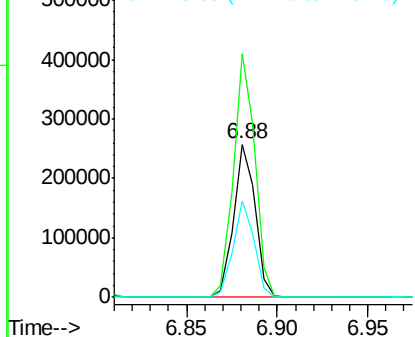
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115697.D
Acq: 20 Jul 2019 2:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 213646
Ion Ratio Lower Upper
152 100
150 158.8 129.7 194.5
115 63.2 48.2 72.4



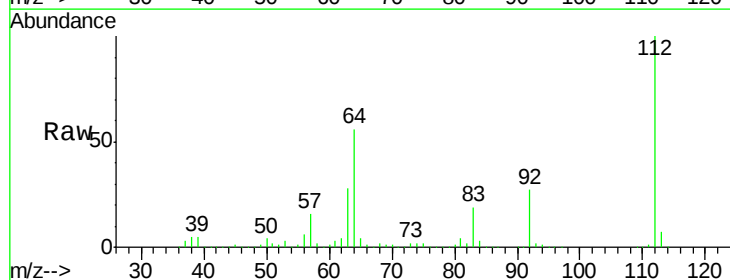
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



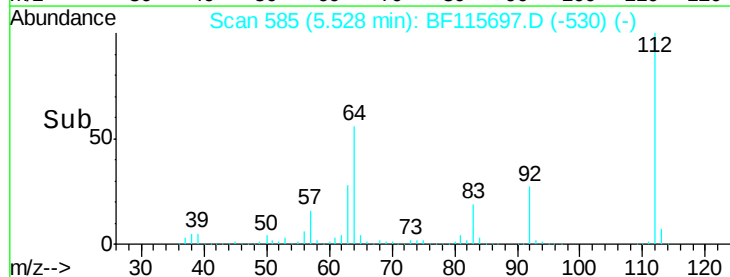
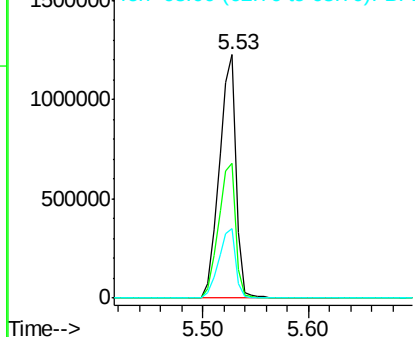
#5

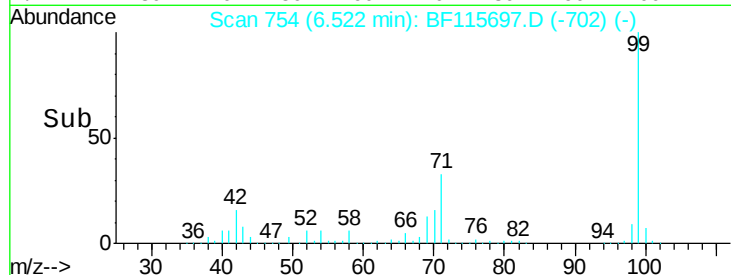
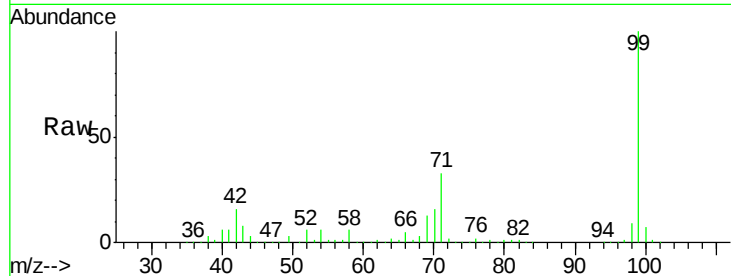
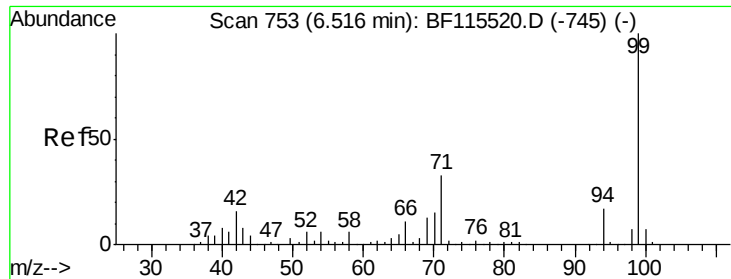
2-Fluorophenol
Concen: 104.755 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.02 min
Lab File: BF115697.D
Acq: 20 Jul 2019 2:55

Tgt Ion:112 Resp: 1368246
Ion Ratio Lower Upper
112 100
64 55.6 46.8 70.2
63 28.4 24.1 36.1



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: 96.397 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF115697.D

Acq: 20 Jul 2019 2:55

Instrument :

BNA_F

ClientSampleId :

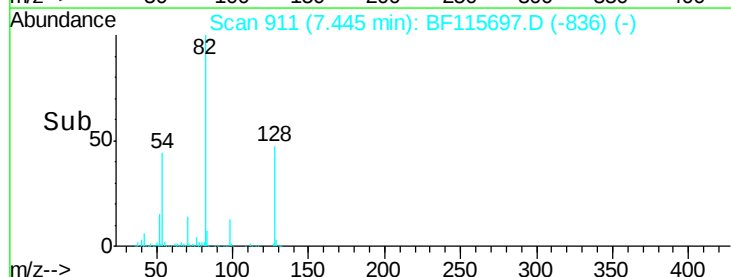
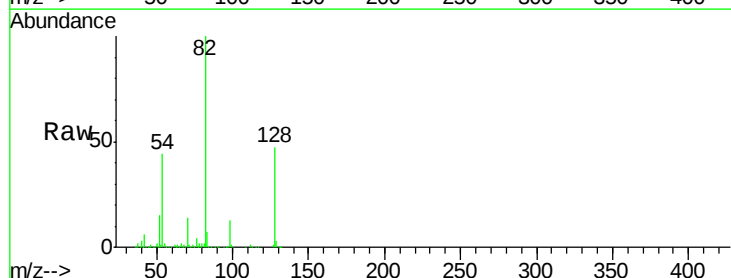
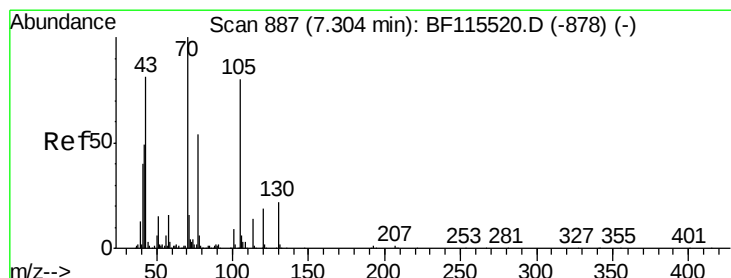
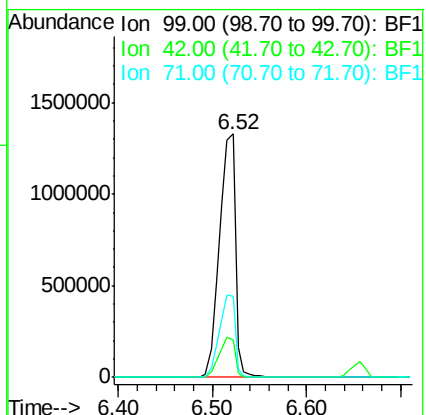
Tot Ion: 99 Resp: 1597629

Ion Ratio Lower Upper

99 100

42 15.6 13.6 20.4

71 33.2 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.692 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF115697.D

Acq: 20 Jul 2019 2:55

Tgt Ion: 70 Resp: 158807

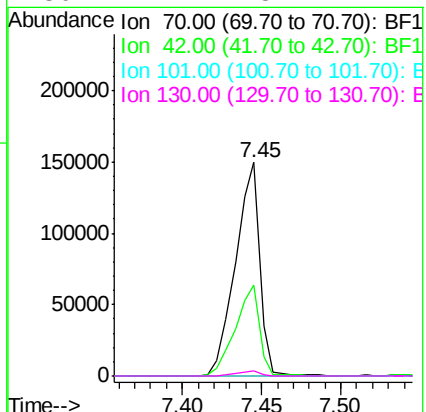
Ion Ratio Lower Upper

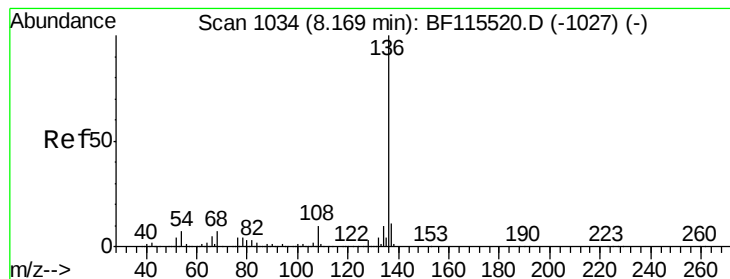
70 100

42 42.4 39.6 59.4

101 0.0 8.1 12.1#

130 2.2 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115697.D

Acq: 20 Jul 2019 2:55

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 795295

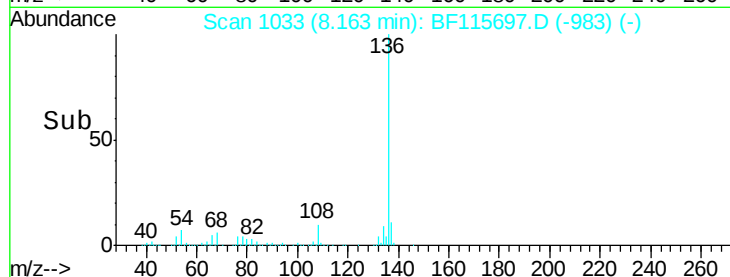
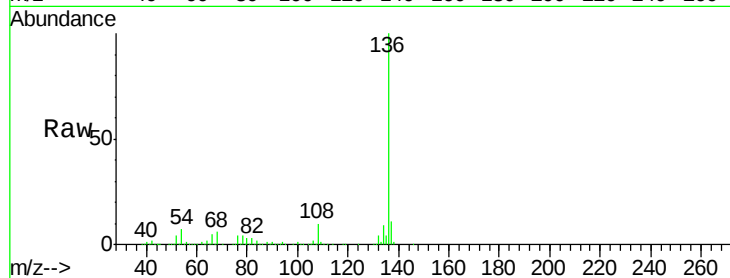
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.1 5.6 8.4

68 6.1 5.0 7.6

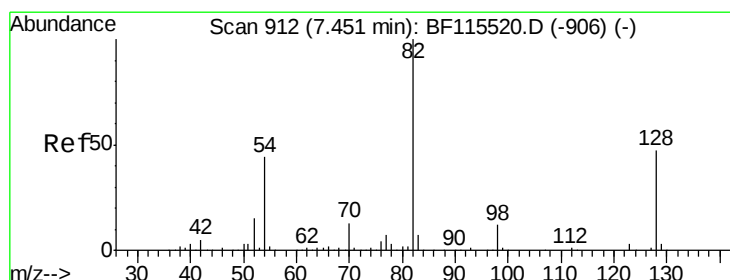
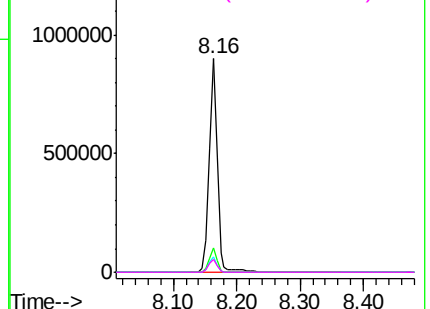


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.752 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF115697.D

Acq: 20 Jul 2019 2:55

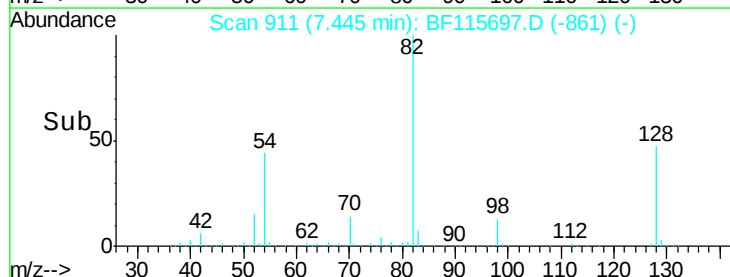
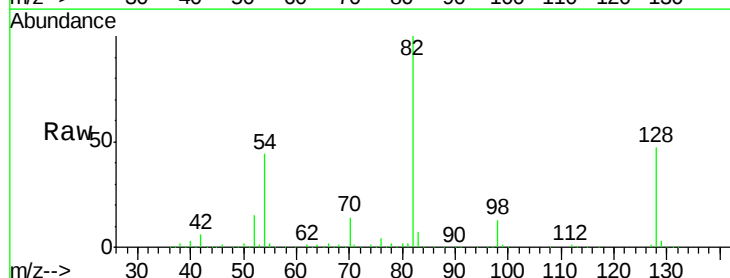
Tgt Ion: 82 Resp: 1200225

Ion Ratio Lower Upper

82 100

128 47.4 38.6 57.8

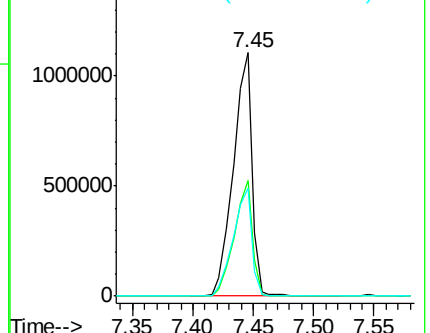
54 44.4 35.6 53.4



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: 43.313 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF115697.D

Acq: 20 Jul 2019 2:55

Instrument :

BNA_F

ClientSampled :

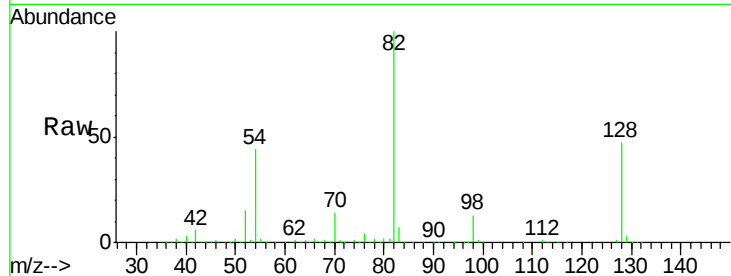
Tot Ion: 82 Resp: 1185408

Ion Ratio Lower Upper

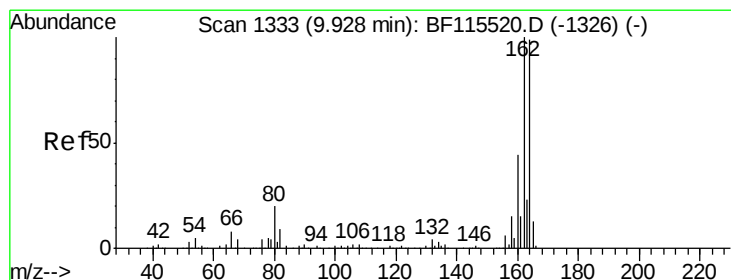
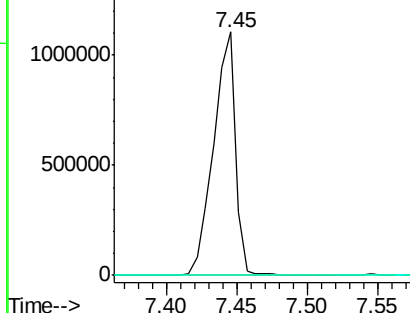
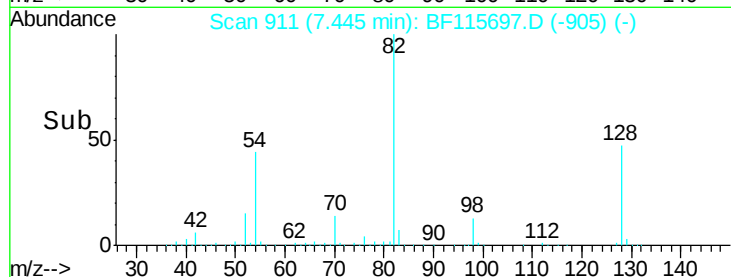
82 100

95 0.0 5.5 8.3#

138 0.0 14.9 22.3#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115697.D

Acq: 20 Jul 2019 2:55

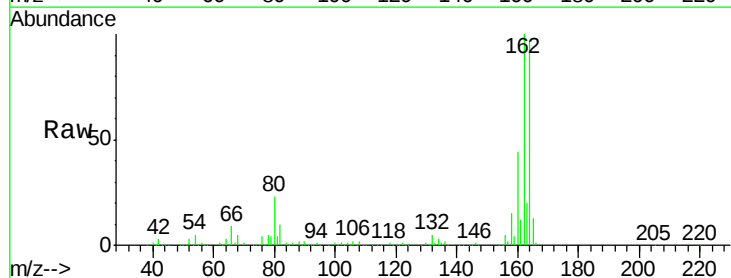
Tgt Ion: 164 Resp: 333298

Ion Ratio Lower Upper

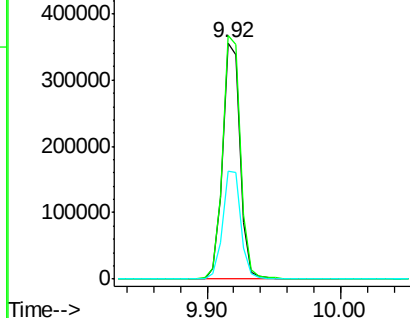
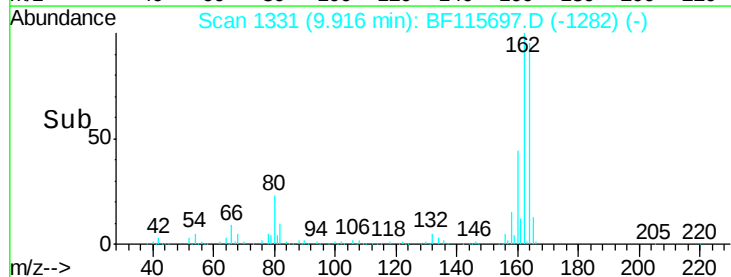
164 100

162 103.0 82.9 124.3

160 45.5 36.8 55.2



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: 99.744 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF115697.D

Acq: 20 Jul 2019 2:55

Instrument :

BNA_F

ClientSampleId :

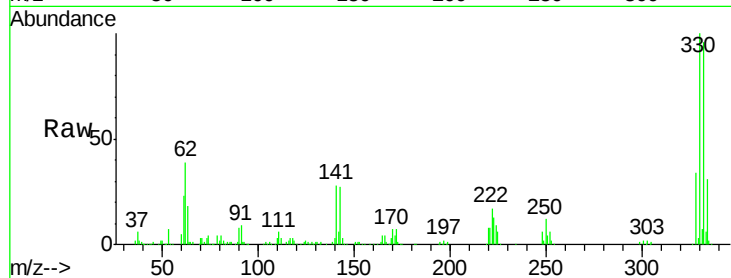
Tot Ion:330 Resp: 388042

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.2

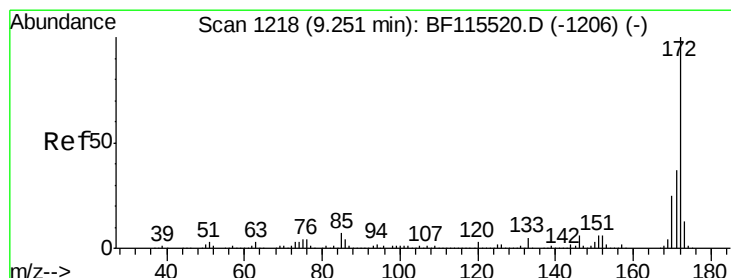
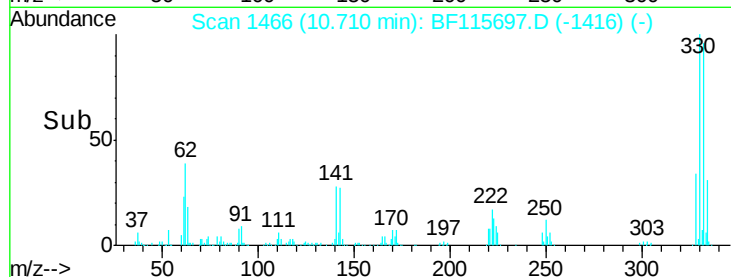
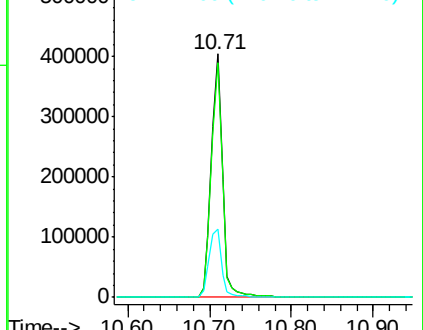
141 31.7 22.4 33.6



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: 99.320 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF115697.D

Acq: 20 Jul 2019 2:55

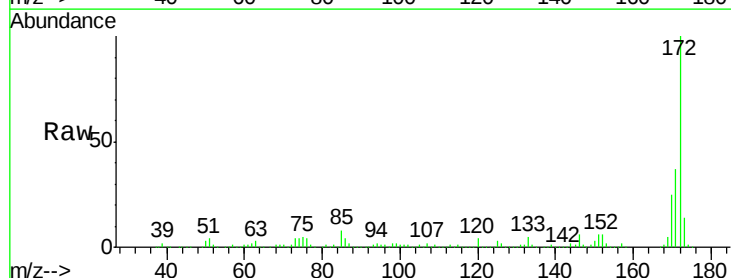
Tgt Ion:172 Resp: 1891303

Ion Ratio Lower Upper

172 100

171 37.1 30.6 46.0

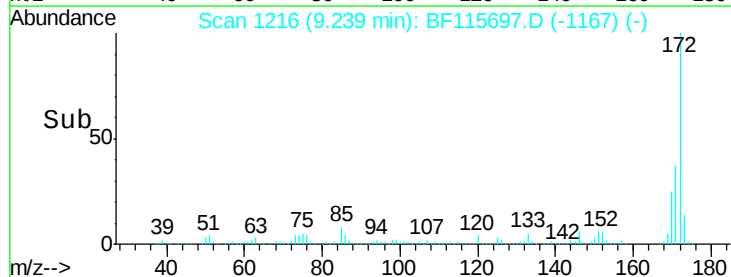
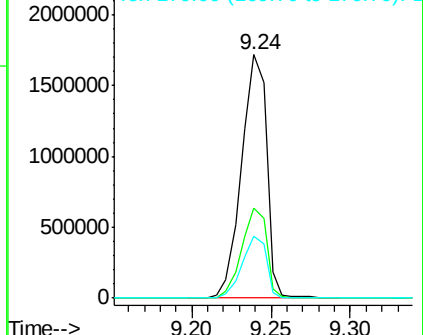
170 25.5 20.5 30.7

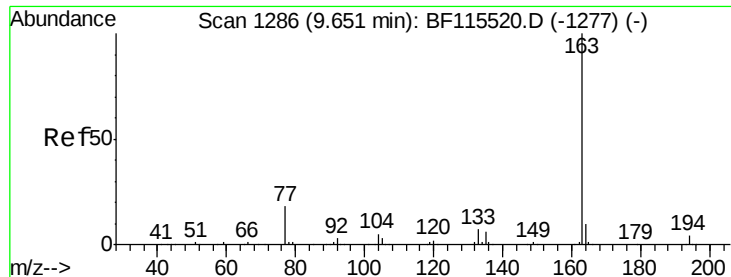


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

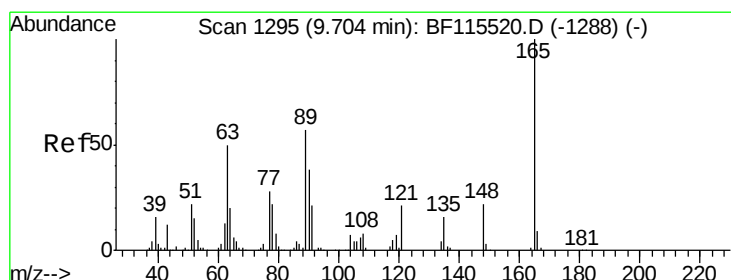
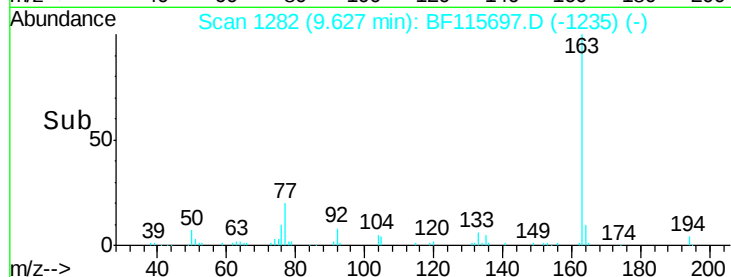
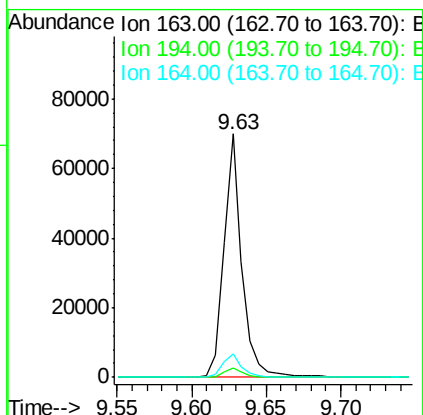
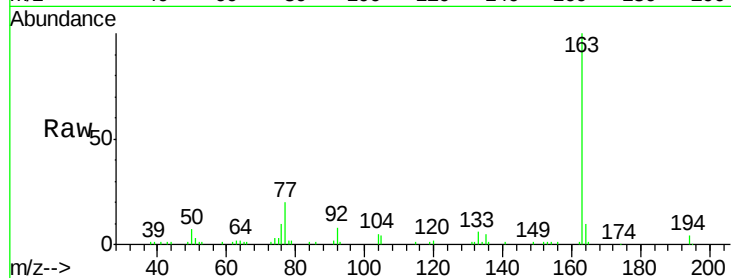




#50
Dimethylphthalate
Concen: 2.369 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115697.D
Acq: 20 Jul 2019 2:55

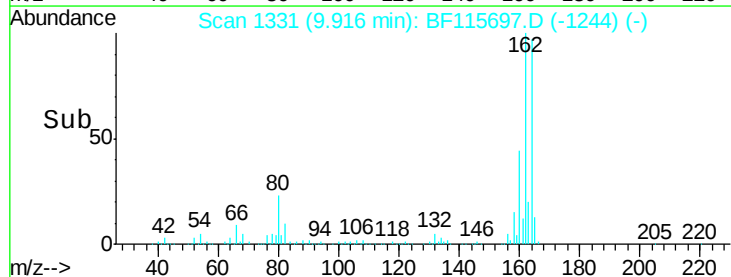
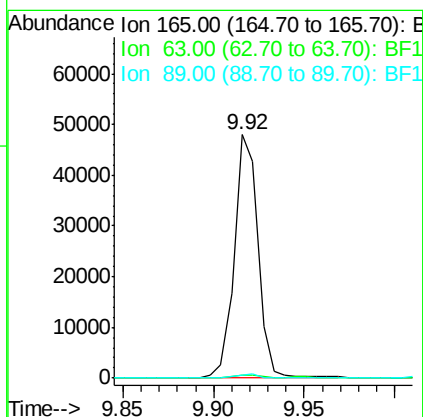
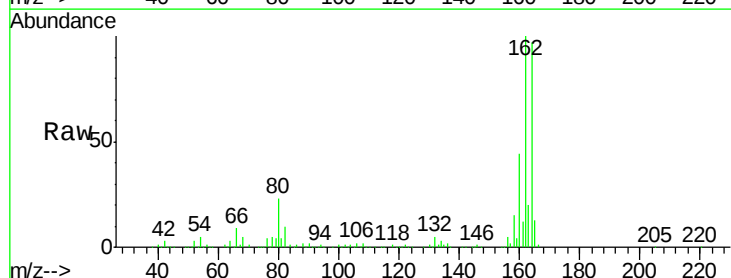
Instrument :
BNA_F
ClientSampleId :

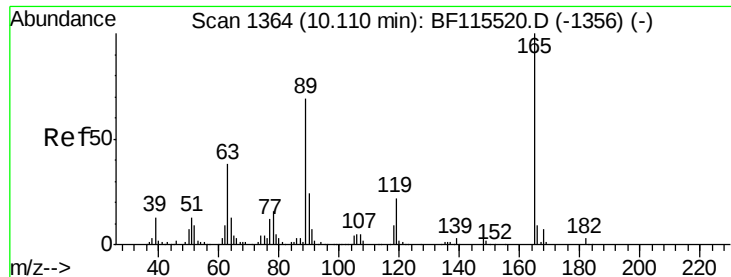
Tot Ion:163 Resp: 59410
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 9.9 8.7 13.1



#51
2,6-Dinitrotoluene
Concen: 7.721 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF115697.D
Acq: 20 Jul 2019 2:55

Tgt Ion:165 Resp: 43998
Ion Ratio Lower Upper
165 100
63 1.2 40.6 61.0#
89 1.2 43.9 65.9#





#57

2,4-Dinitrotoluene

Concen: 5.960 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF115697.D

Acq: 20 Jul 2019 2:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 44000

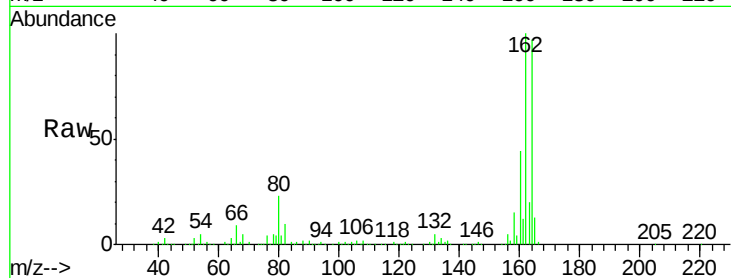
Ion Ratio Lower Upper

165 100

63 1.2 34.9 52.3#

89 1.2 57.5 86.3#

182 0.0 2.2 3.4#

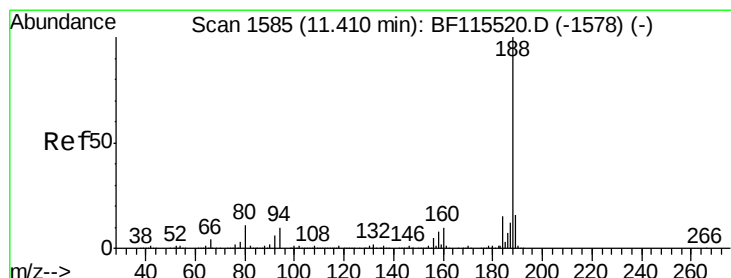
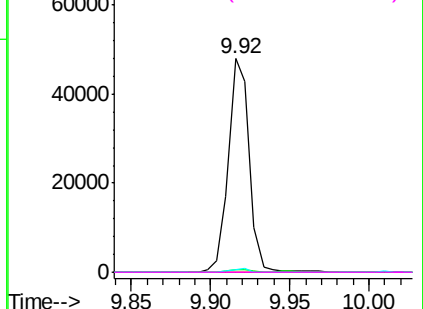
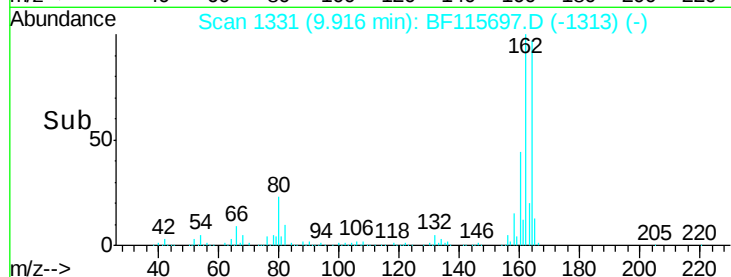


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115697.D

Acq: 20 Jul 2019 2:55

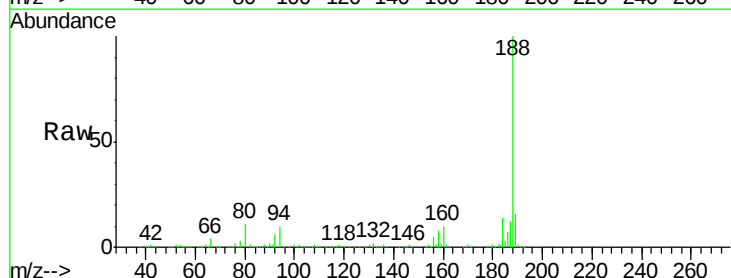
Tgt Ion:188 Resp: 495163

Ion Ratio Lower Upper

188 100

94 10.0 7.8 11.6

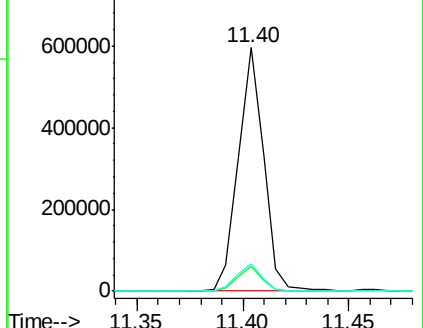
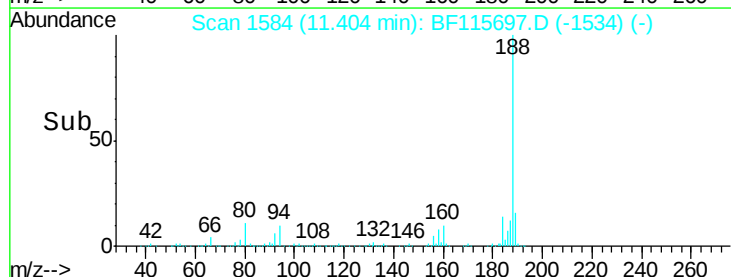
80 11.2 8.6 13.0

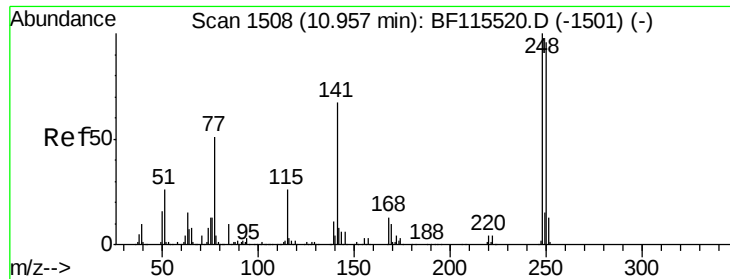


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

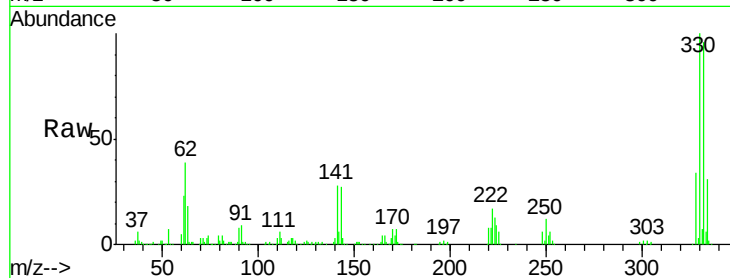




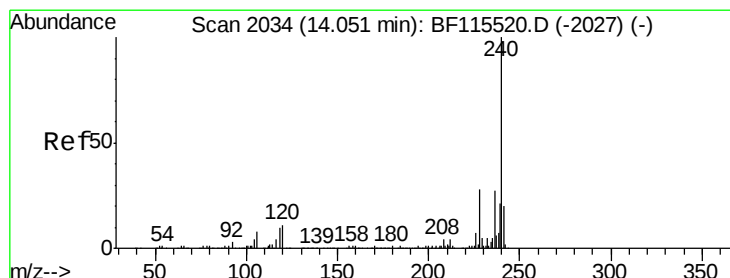
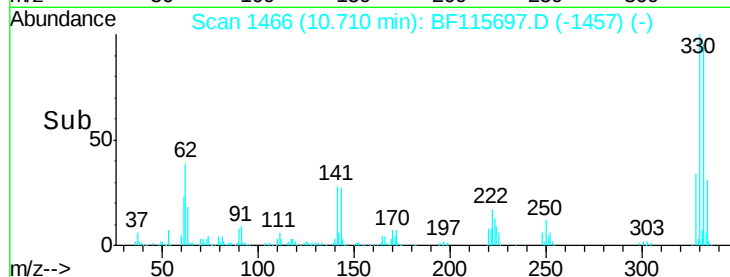
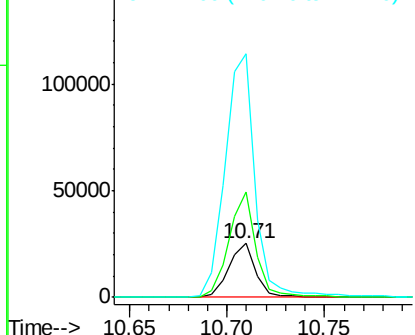
#67
4-Bromophenyl-phenylether
Concen: 4.342 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.25 min
Lab File: BF115697.D
Acq: 20 Jul 2019 2:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 24567
Ion Ratio Lower Upper
248 100
250 195.3 78.0 117.0#
141 450.0 57.7 86.5#

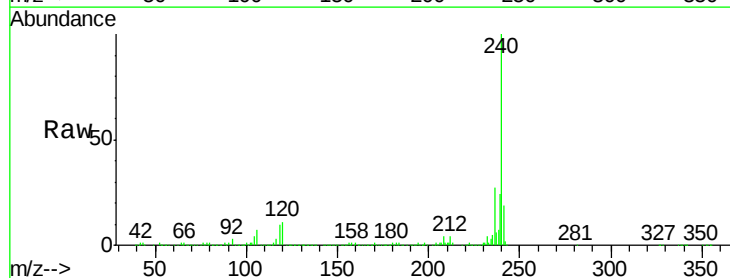


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

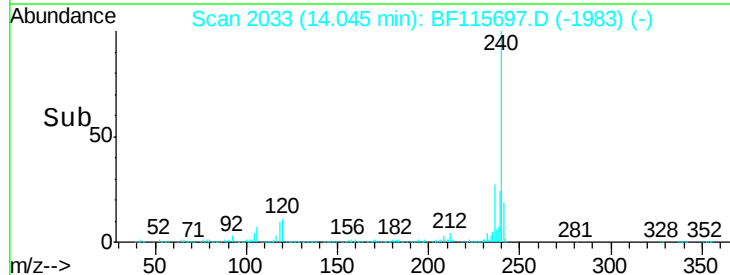
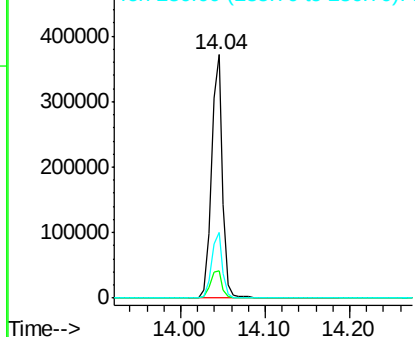


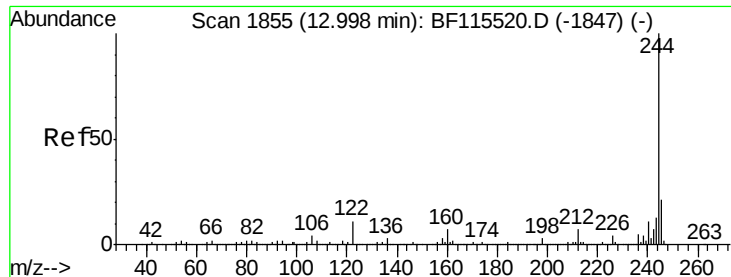
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115697.D
Acq: 20 Jul 2019 2:55

Tgt Ion:240 Resp: 342940
Ion Ratio Lower Upper
240 100
120 11.1 8.6 13.0
236 27.0 21.3 31.9



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: 80.099 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115697.D

Acq: 20 Jul 2019 2:55

Instrument :

BNA_F

ClientSampleId :

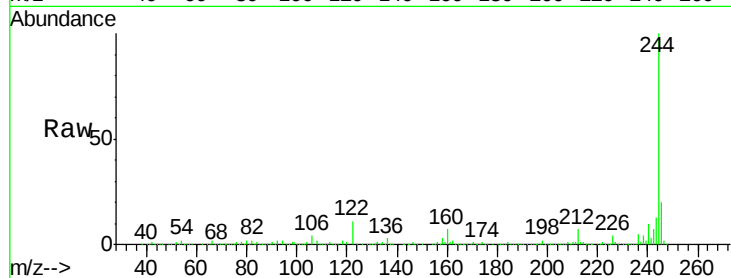
Tot Ion:244 Resp: 1488703

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

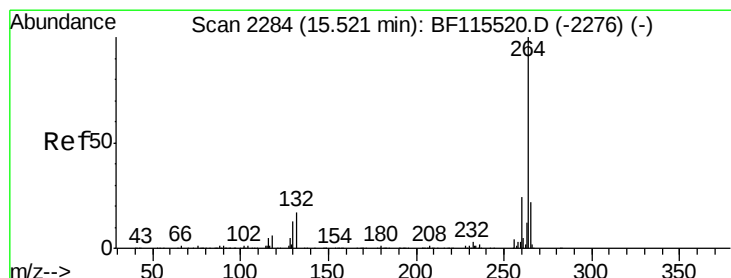
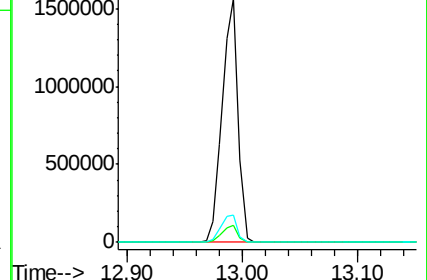
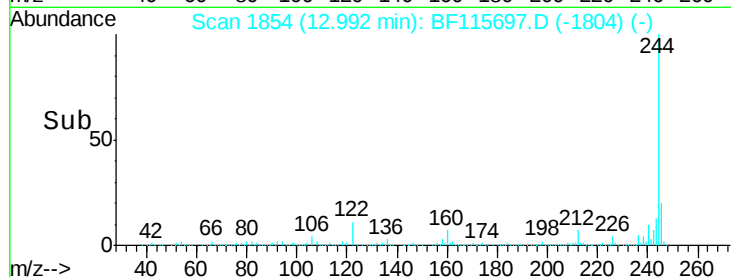
122 11.2 8.6 12.8



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: 15.52 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BF115697.D

Acq: 20 Jul 2019 2:55

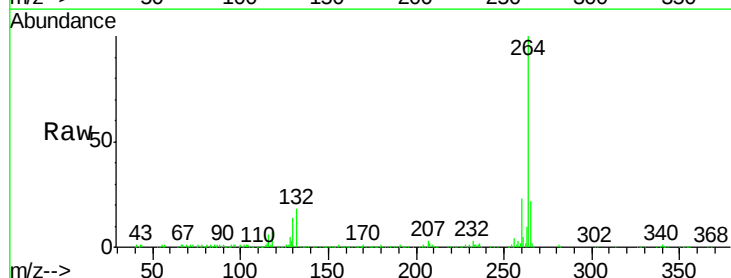
Tgt Ion:264 Resp: 228389

Ion Ratio Lower Upper

264 100

260 23.1 19.8 29.8

265 22.4 17.7 26.5



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

