

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011617\
 Data File : BF092297.D
 Acq On : 16 Jan 2017 20:57
 Operator : UM/SJ
 Sample : I1197-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-40

Quant Time: Jan 17 00:46:19 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

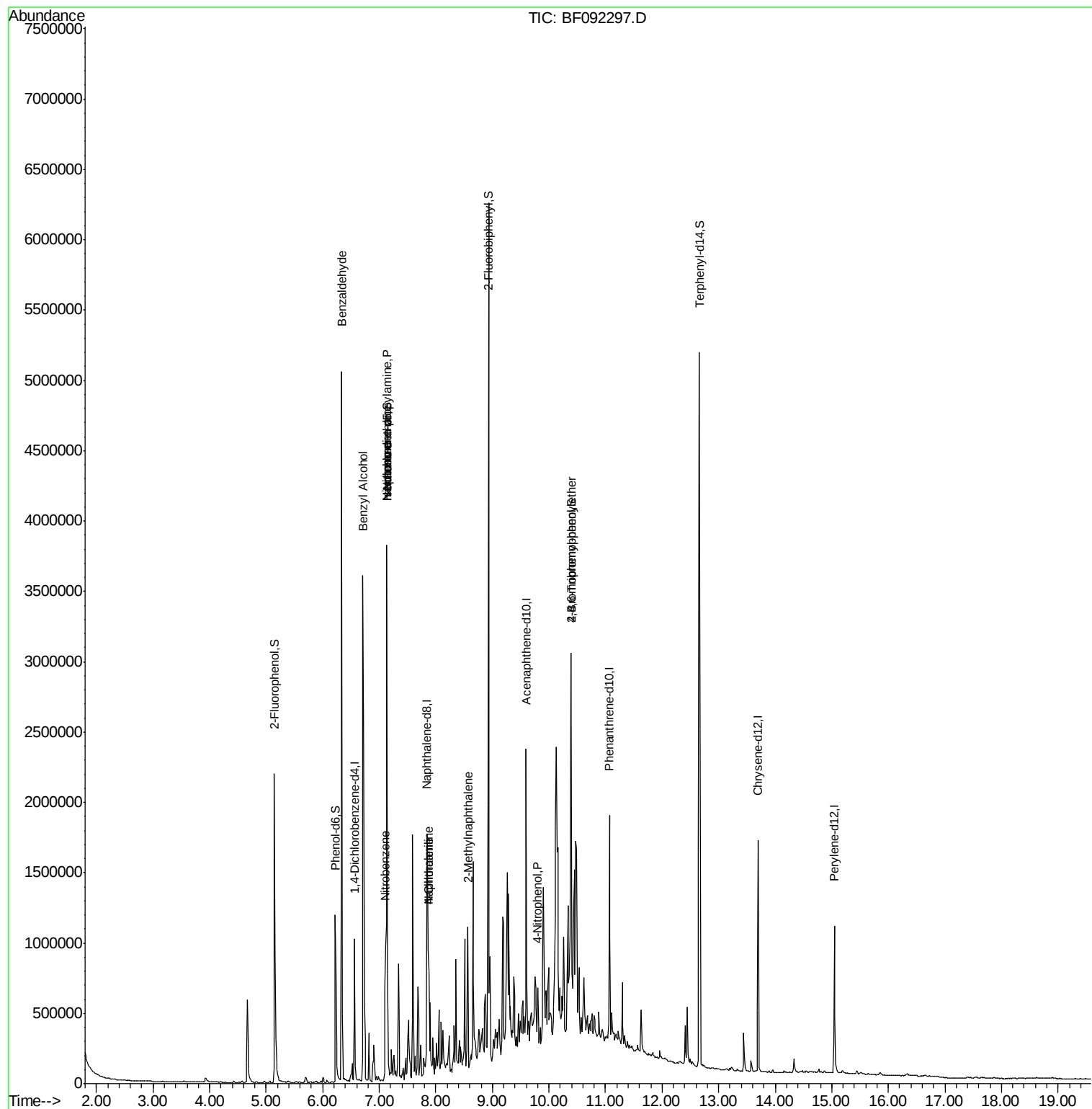
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	190366	20.00	ng	-0.08
21) Naphthalene-d8	7.84	136	682463	20.00	ng	-0.09
38) Acenaphthene-d10	9.59	164	427702	20.00	ng	-0.09
63) Phenanthrene-d10	11.07	188	676911	20.00	ng	-0.09
75) Chrysene-d12	13.70	240	586766	20.00	ng	-0.09
86) Perylene-d12	15.05	264	433576	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	815070	71.49	ng	-0.09
7) Phenol-d6	6.22	99	653091	46.92	ng	-0.09
23) Nitrobenzene-d5	7.14	82	1228563	100.10	ng	-0.08
41) 2,4,6-Tribromophenol	10.39	330	542710	153.33	ng	-0.08
44) 2-Fluorobiphenyl	8.93	172	1891676	91.63	ng	-0.08
78) Terphenyl-d14	12.66	244	2121179	87.67	ng	-0.09
Target Compounds						Qvalue
9) Benzaldehyde	6.34	77	33179	2.97	ng	# 74
15) Benzyl Alcohol	6.71	79	23382	2.16	ng	# 48
18) Hexachloroethane	7.14	117	205804	39.39	ng	# 2
19) n-Nitroso-di-n-propylamine	7.14	70	163096	17.61	ng	# 76
24) Nitrobenzene	7.11	77	51009	3.90	ng	# 24
25) Isophorone	7.14	82	1221532	53.95	ng	# 65
31) Naphthalene	7.87	128	367536	11.77	ng	# 98
33) 4-Chloroaniline	7.87	127	63207	4.49	ng	# 33
37) 2-Methylnaphthalene	8.56	142	261003	10.57	ng	# 98
55) 4-Nitrophenol	9.80	139	12364	2.46	ng	# 47
66) 4-Bromophenyl-phenylether	10.39	248	33667	4.78	ng	# 1
71) Anthracene	11.15	178	1193	Below	Cal	# 1
73) Di-n-butylphthalate	11.65	149	17251	Below	Cal	# 90
74) Fluoranthene	12.28	202	1541	Below	Cal	# 15
76) Benzidine	12.66	184	25926	Below	Cal	# 92

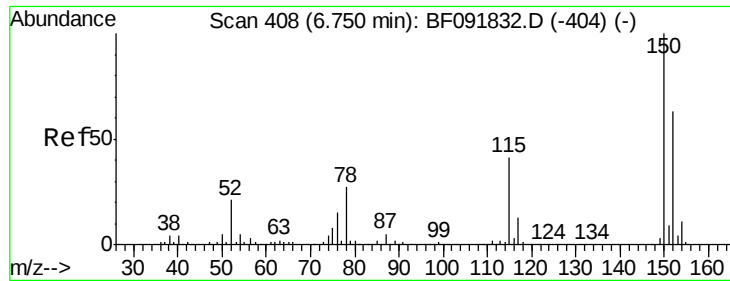
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 418

Delta R.T. -0.08 min

Lab File: BF092297.D

Acq: 16 Jan 2017 20:57

Instrument :

BNA_F

ClientSampleId :

W-40

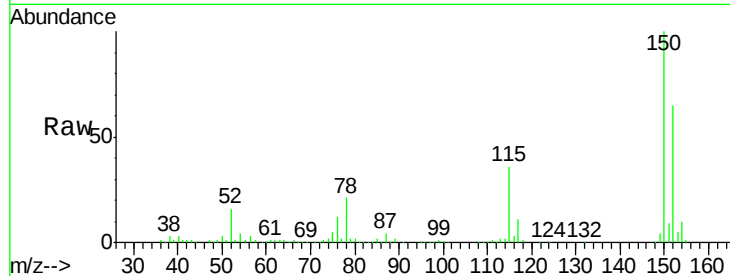
Tgt Ion:152 Resp: 190366

Ion Ratio Lower Upper

152 100

150 154.4 124.9 187.3

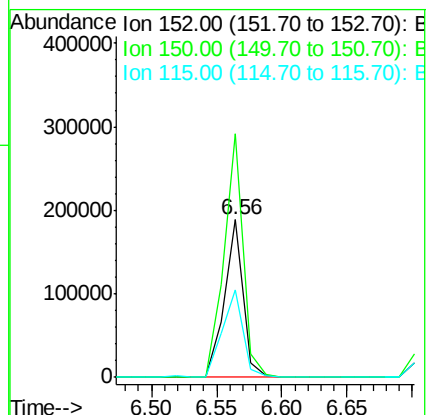
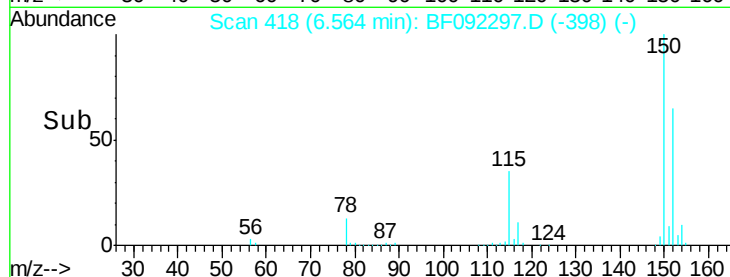
115 55.2 46.0 69.0



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: 71.49 ng

RT: 5.15 min Scan# 294

Delta R.T. -0.09 min

Lab File: BF092297.D

Acq: 16 Jan 2017 20:57

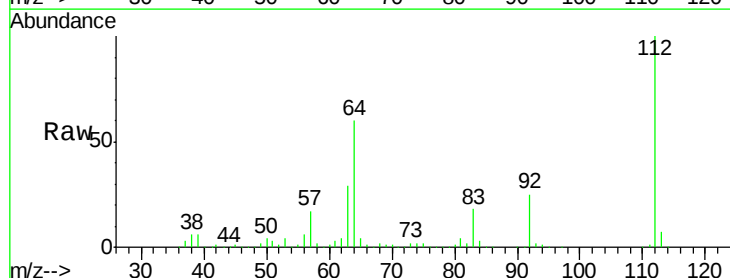
Tgt Ion:112 Resp: 815070

Ion Ratio Lower Upper

112 100

64 59.7 46.1 69.1

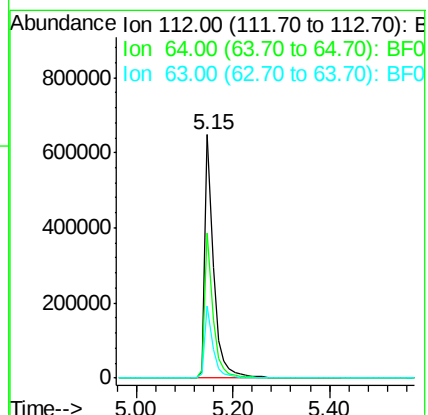
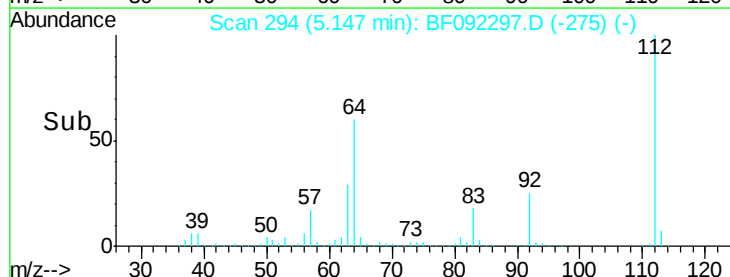
63 29.4 23.8 35.6

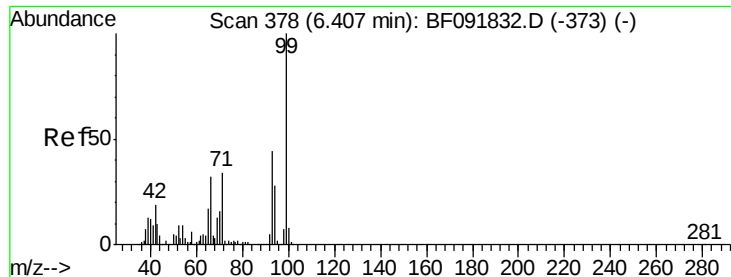


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.92 ng

RT: 6.22 min Scan# 388

Delta R.T. -0.09 min

Lab File: BF092297.D

Acq: 16 Jan 2017 20:57

Instrument :

BNA_F

ClientSampled :

W-40

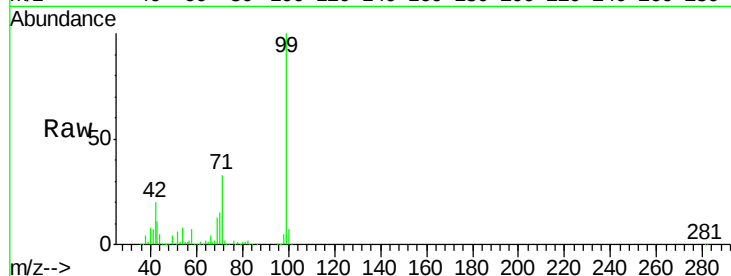
Tgt Ion: 99 Resp: 653091

Ion Ratio Lower Upper

99 100

42 20.3 15.6 23.4

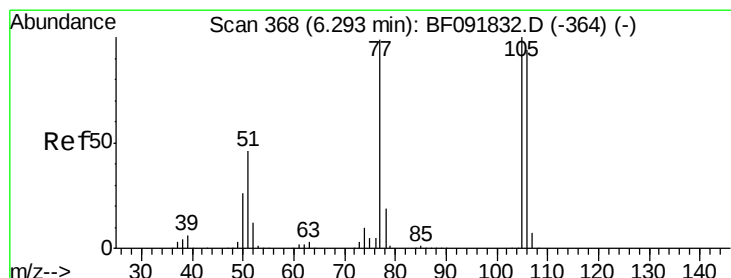
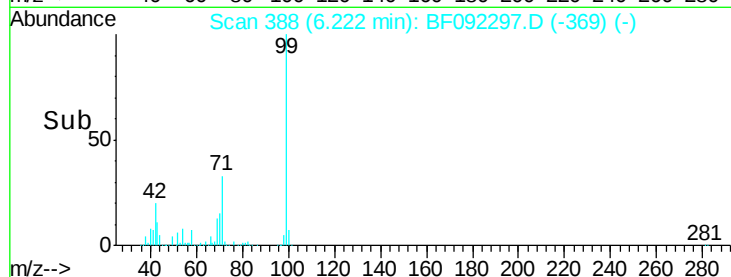
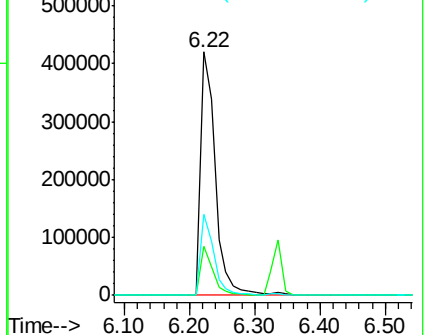
71 33.3 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.97 ng

RT: 6.34 min Scan# 398

Delta R.T. 0.15 min

Lab File: BF092297.D

Acq: 16 Jan 2017 20:57

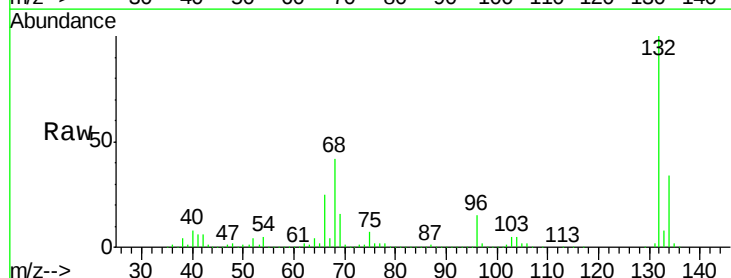
Tgt Ion: 77 Resp: 33179

Ion Ratio Lower Upper

77 100

105 79.6 83.9 123.9#

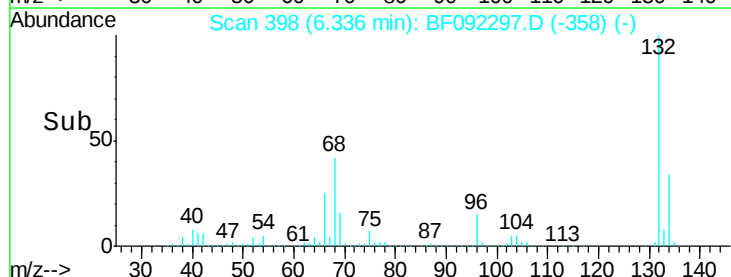
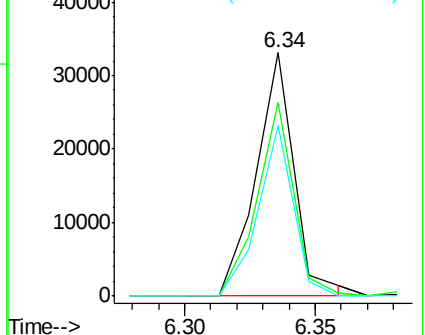
106 70.0 77.6 117.6#

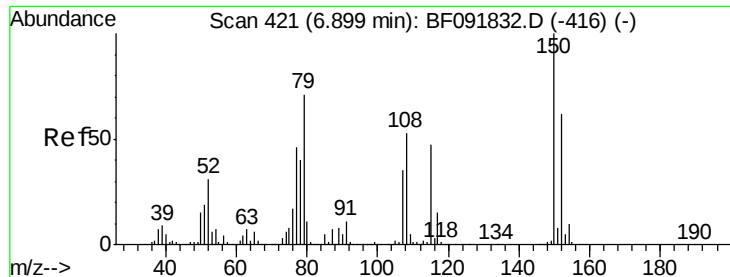


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.16 ng

RT: 6.71 min Scan# 431

Delta R.T. -0.09 min

Lab File: BF092297.D

Acq: 16 Jan 2017 20:57

Instrument :

BNA_F

ClientSampled :

W-40

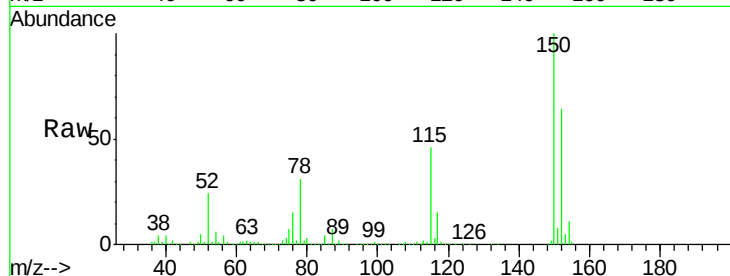
Tgt Ion: 79 Resp: 23382

Ion Ratio Lower Upper

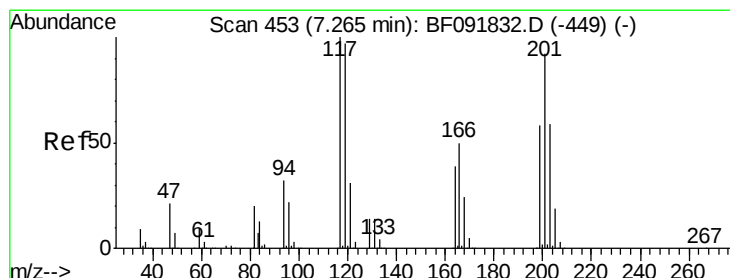
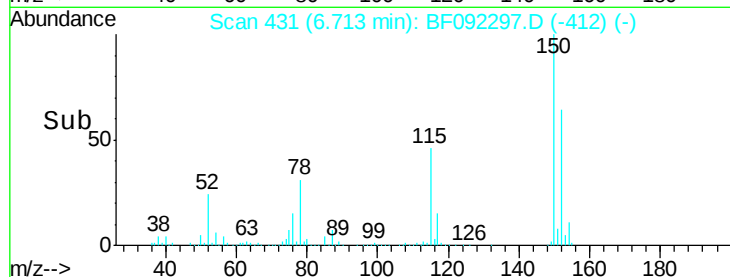
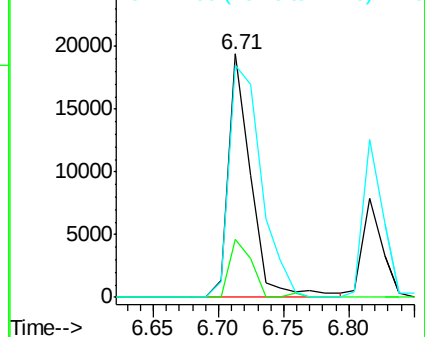
79 100

108 23.7 61.4 92.0#

77 95.2 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 39.39 ng

RT: 7.14 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF092297.D

Acq: 16 Jan 2017 20:57

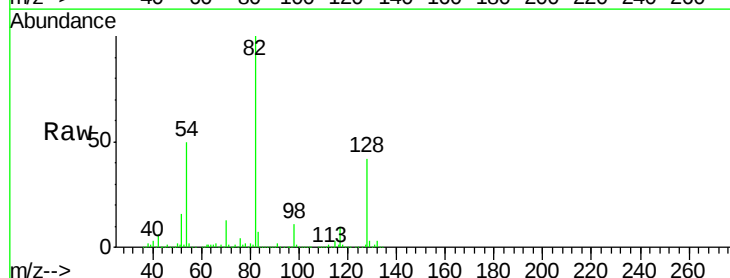
Tgt Ion: 117 Resp: 205804

Ion Ratio Lower Upper

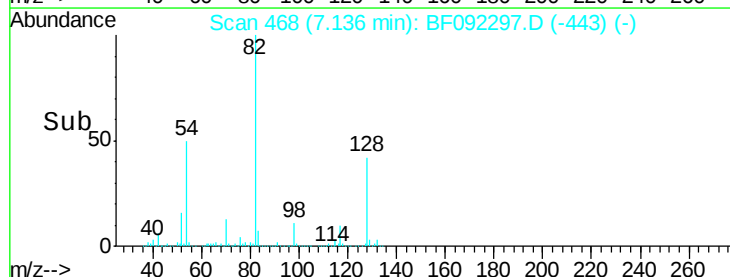
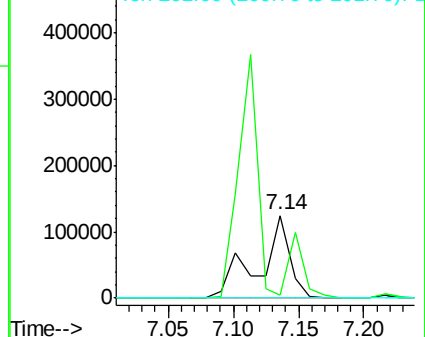
117 100

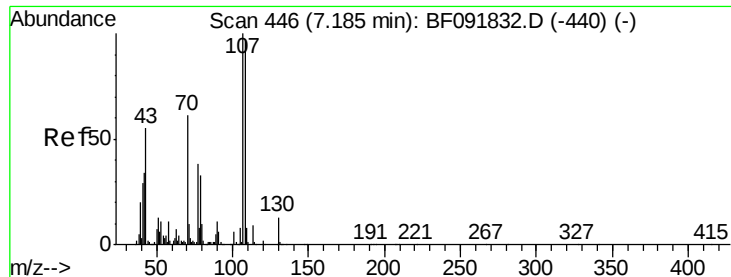
119 3.1 78.1 117.1#

201 0.0 78.6 117.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

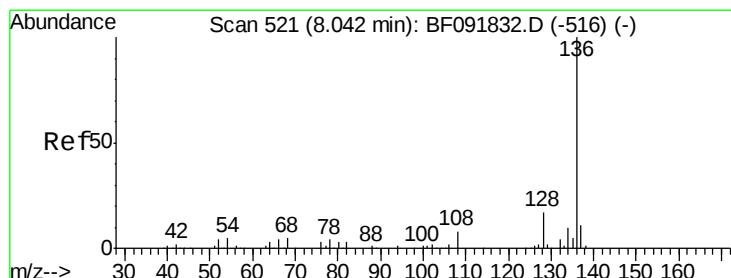
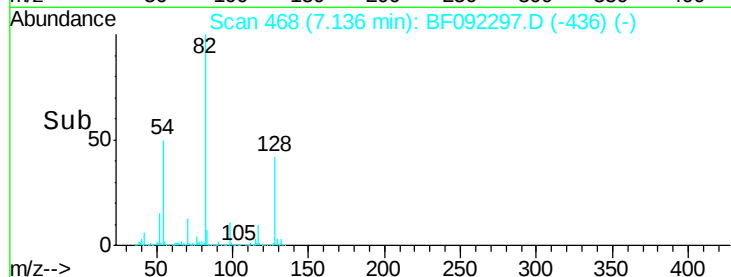
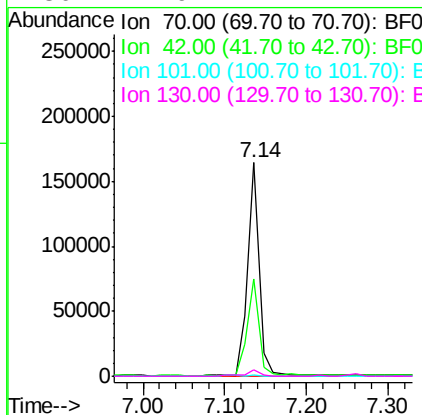
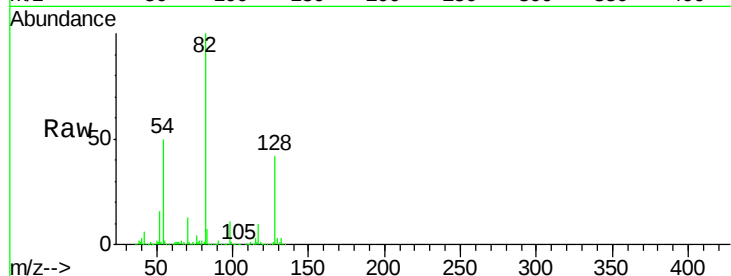




#19
n-Nitroso-di-n-propylamine
Concen: 17.61 ng
RT: 7.14 min Scan# 468
Delta R.T. 0.06 min
Lab File: BF092297.D
Acq: 16 Jan 2017 20:57

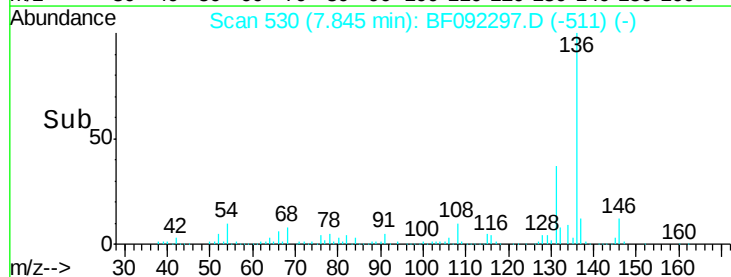
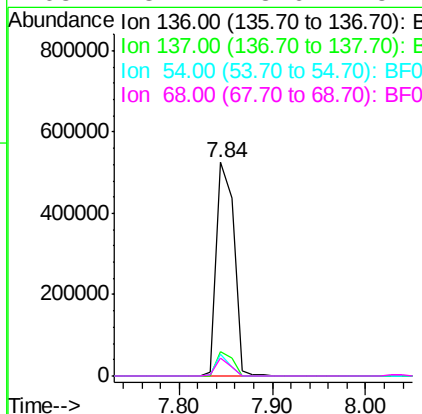
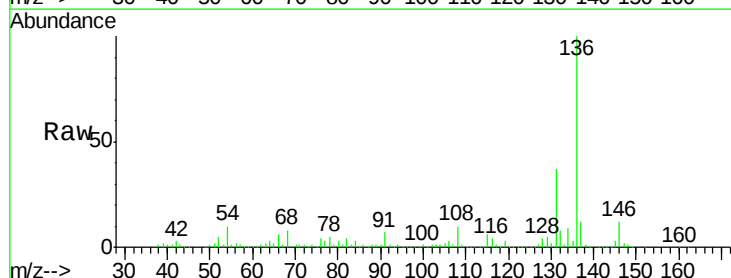
Instrument :
BNA_F
ClientSampleId :
W-40

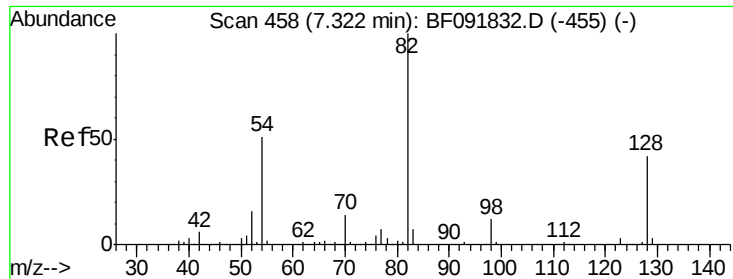
Tgt Ion: 70 Resp: 163096
Ion Ratio Lower Upper
70 100
42 45.5 49.4 74.0#
101 0.4 7.4 11.2#
130 2.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 530
Delta R.T. -0.09 min
Lab File: BF092297.D
Acq: 16 Jan 2017 20:57

Tgt Ion: 136 Resp: 682463
Ion Ratio Lower Upper
136 100
137 11.6 8.4 12.6
54 10.1 4.5 6.7#
68 8.1 3.6 5.4#

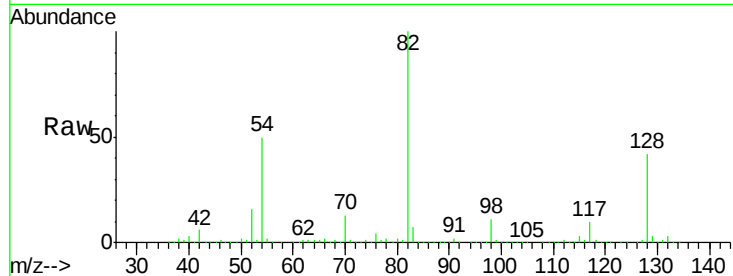




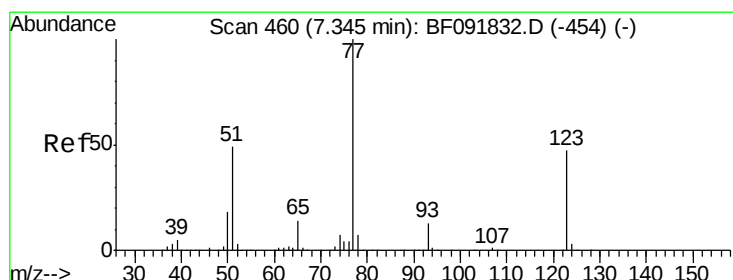
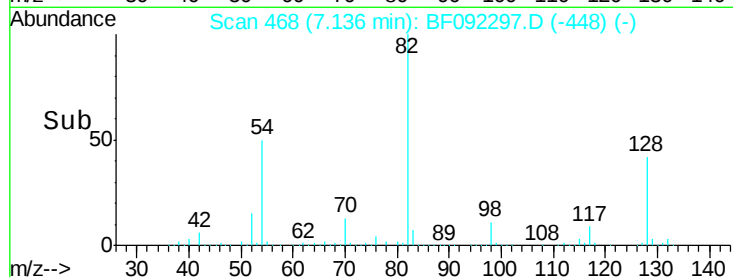
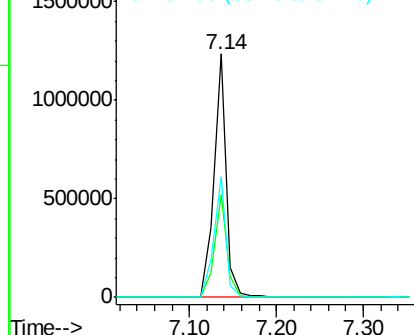
#23
 Nitrobenzene-d5
 Concen: 100.10 ng
 RT: 7.14 min Scan# 468
 Delta R.T. -0.08 min
 Lab File: BF092297.D
 Acq: 16 Jan 2017 20:57

Instrument :
 BNA_F
 ClientSampleId :
 W-40

Tgt Ion: 82 Resp: 1228563
 Ion Ratio Lower Upper
 82 100
 128 42.4 34.6 52.0
 54 49.8 39.5 59.3

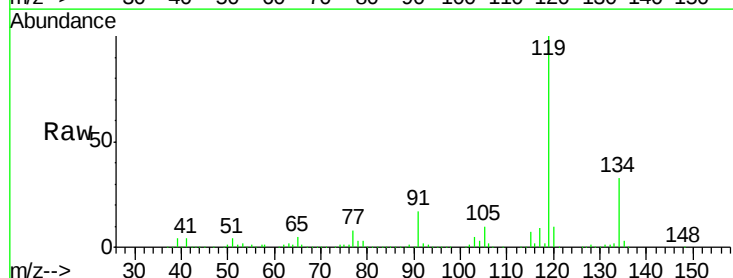


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

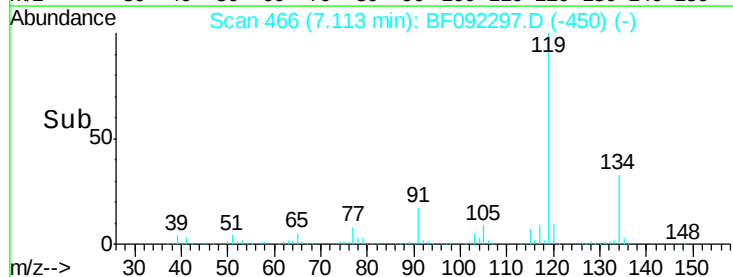
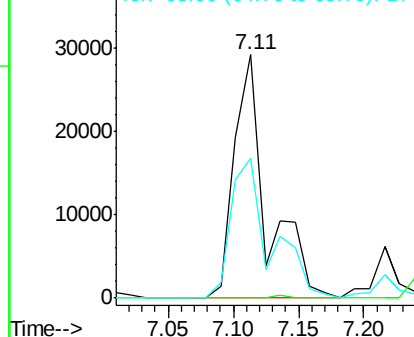


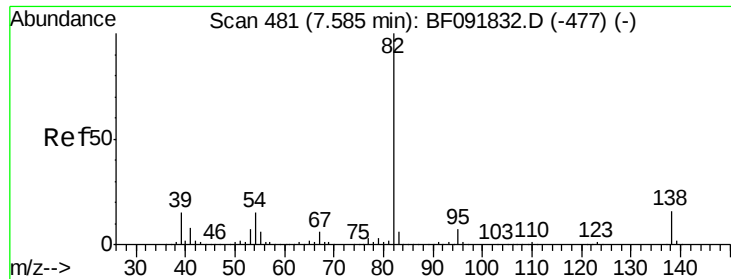
#24
 Nitrobenzene
 Concen: 3.90 ng
 RT: 7.11 min Scan# 466
 Delta R.T. -0.12 min
 Lab File: BF092297.D
 Acq: 16 Jan 2017 20:57

Tgt Ion: 77 Resp: 51009
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.4#
 65 57.3 11.2 16.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 53.95 ng

RT: 7.14 min Scan# 468

Delta R.T. -0.34 min

Lab File: BF092297.D

Acq: 16 Jan 2017 20:57

Instrument :

BNA_F

ClientSampleId :

W-40

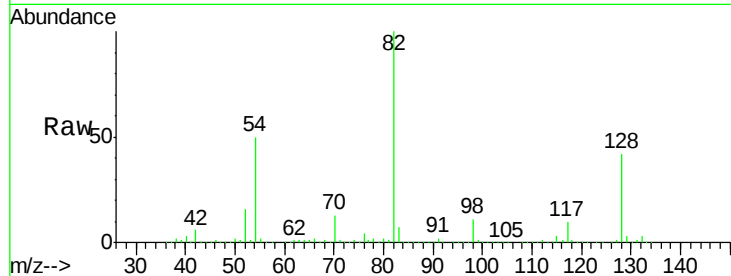
Tgt Ion: 82 Resp: 1221532

Ion Ratio Lower Upper

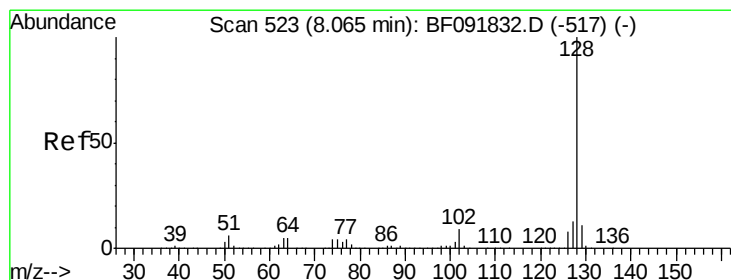
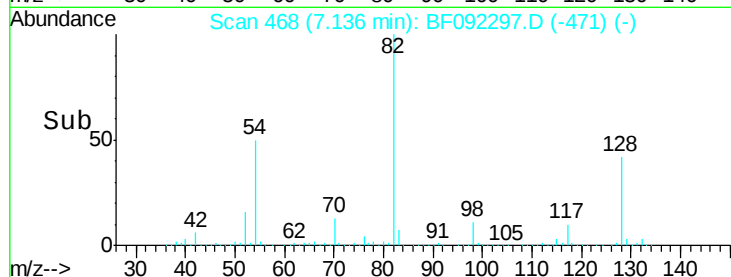
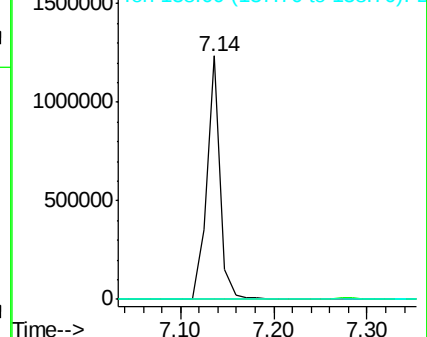
82 100

95 0.1 5.6 8.4#

138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 11.77 ng

RT: 7.87 min Scan# 532

Delta R.T. -0.09 min

Lab File: BF092297.D

Acq: 16 Jan 2017 20:57

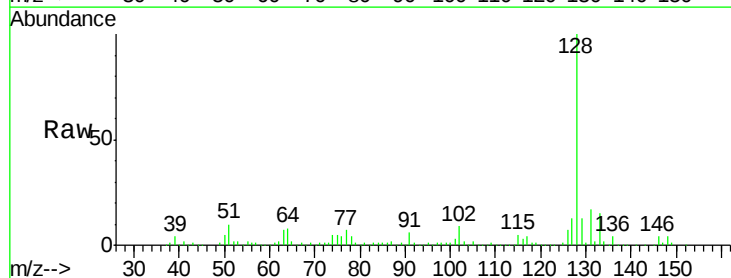
Tgt Ion: 128 Resp: 367536

Ion Ratio Lower Upper

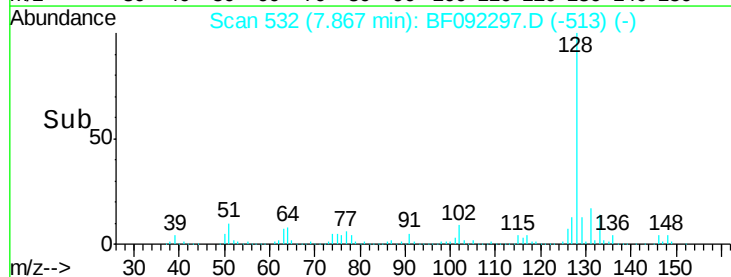
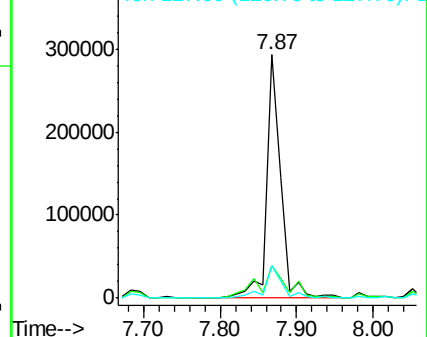
128 100

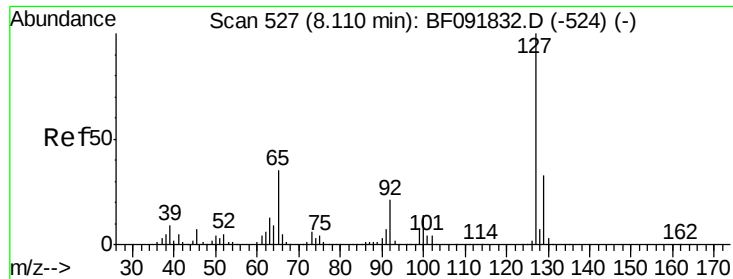
129 13.3 9.5 14.3

127 13.1 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

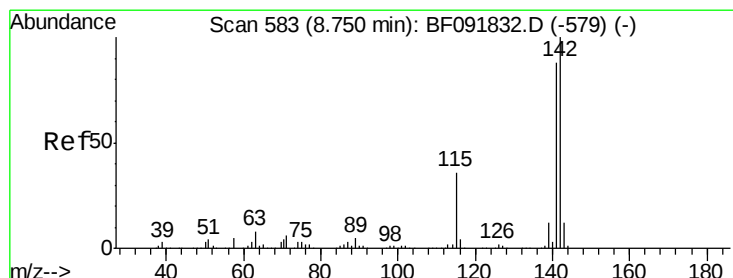
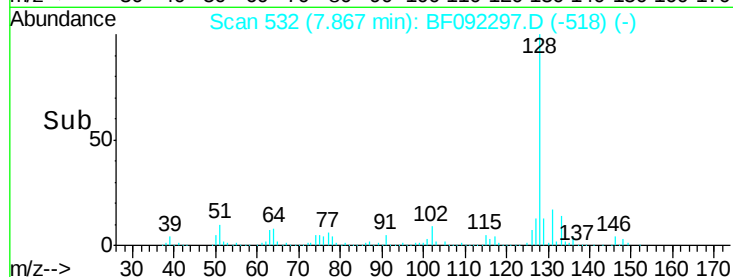
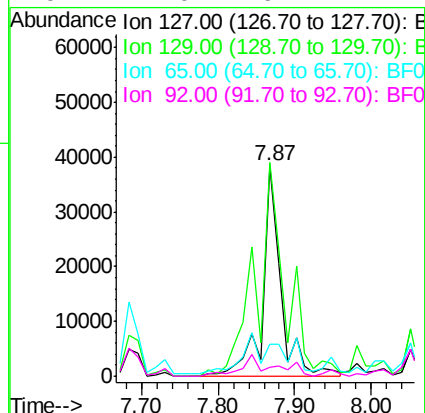
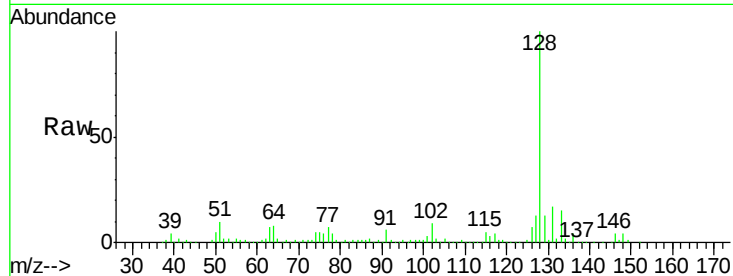




#33
 4-Chloroaniline
 Concen: 4.49 ng
 RT: 7.87 min Scan# 532
 Delta R.T. -0.15 min
 Lab File: BF092297.D
 Acq: 16 Jan 2017 20:57

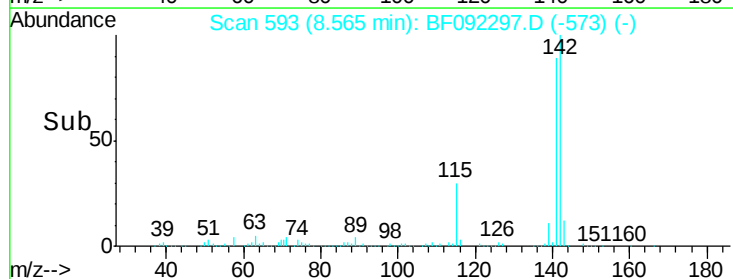
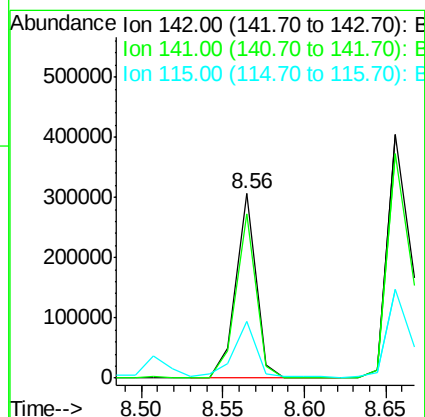
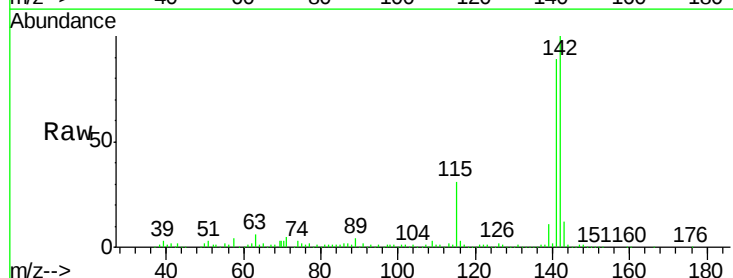
Instrument :
 BNA_F
 ClientSampled :
 W-40

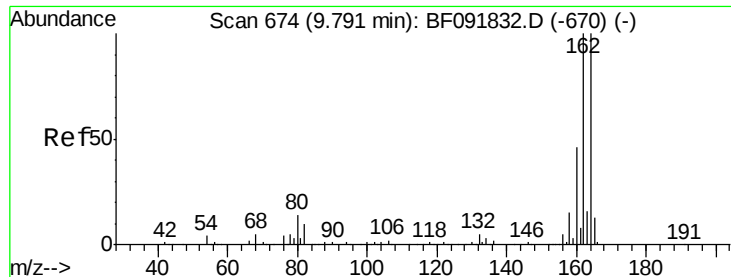
Tgt Ion:	127	Resp:	63207
Ion	Ratio	Lower	Upper
127	100		
129	101.6	26.3	39.5#
65	15.5	25.8	38.8#
92	4.0	16.1	24.1#



#37
 2-Methylnaphthalene
 Concen: 10.57 ng
 RT: 8.56 min Scan# 593
 Delta R.T. -0.08 min
 Lab File: BF092297.D
 Acq: 16 Jan 2017 20:57

Tgt Ion:	142	Resp:	261003
Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.0	106.6
115	31.0	28.3	42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 683

Delta R.T. -0.09 min

Lab File: BF092297.D

Acq: 16 Jan 2017 20:57

Instrument :

BNA_F

ClientSampleId :

W-40

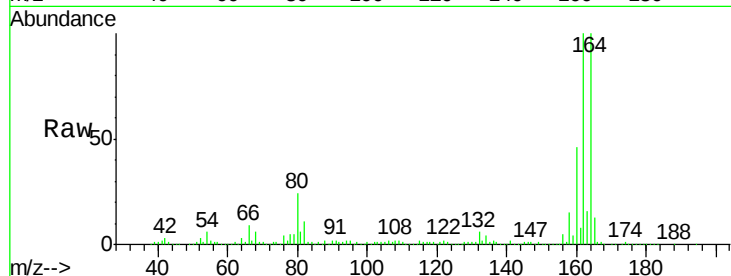
Tgt Ion:164 Resp: 427702

Ion Ratio Lower Upper

164 100

162 100.3 80.2 120.2

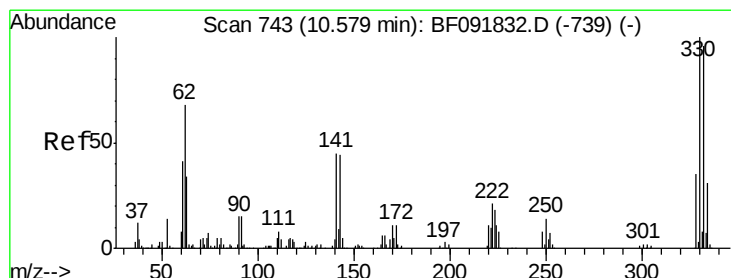
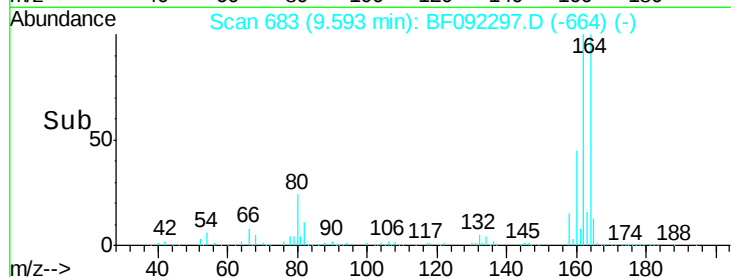
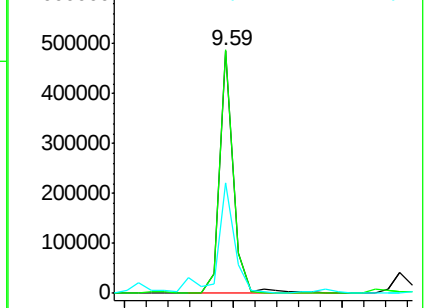
160 45.7 36.9 55.3



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



#41

2,4,6-Tribromophenol

Concen: 153.33 ng

RT: 10.39 min Scan# 753

Delta R.T. -0.08 min

Lab File: BF092297.D

Acq: 16 Jan 2017 20:57

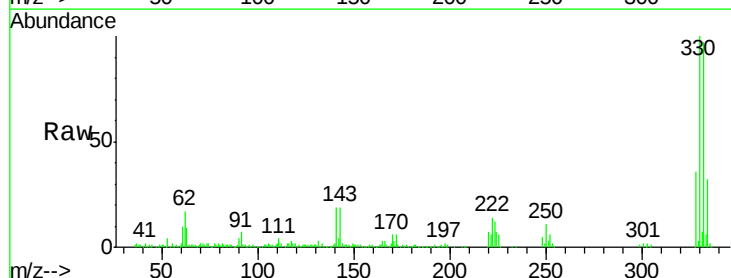
Tgt Ion:330 Resp: 542710

Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.2

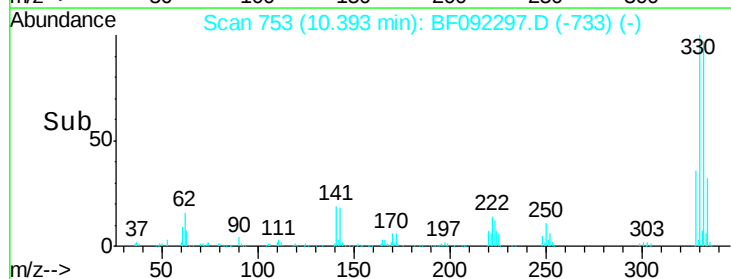
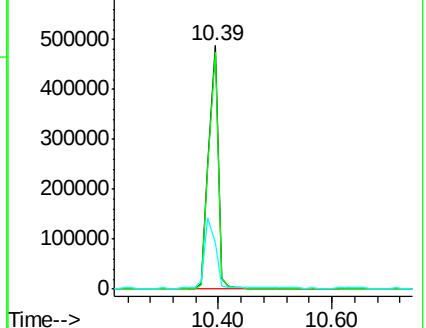
141 32.9 34.1 51.1#

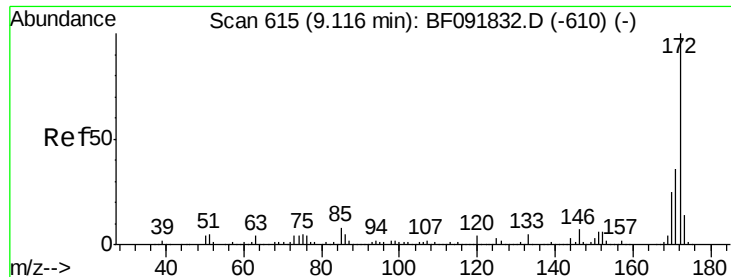


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

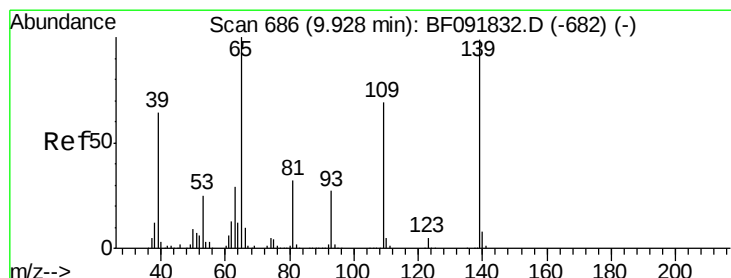
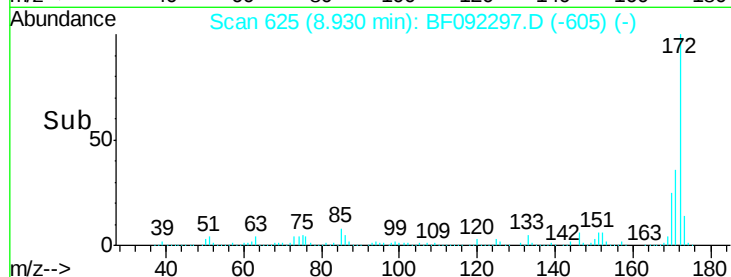
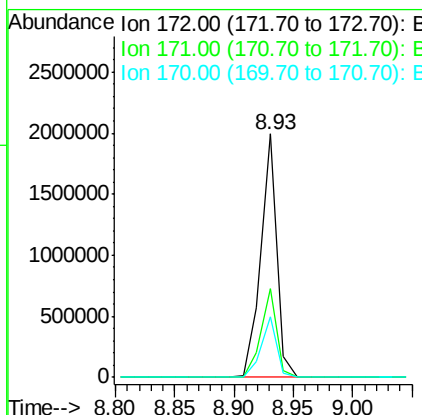
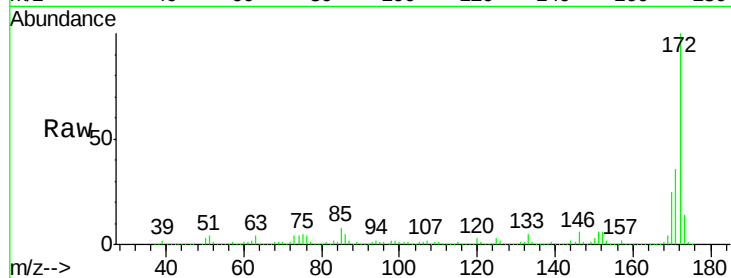




#44
 2-Fluorobiphenyl
 Concen: 91.63 ng
 RT: 8.93 min Scan# 625
 Delta R.T. -0.08 min
 Lab File: BF092297.D
 Acq: 16 Jan 2017 20:57

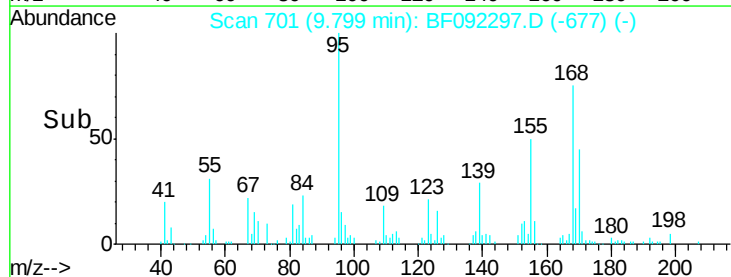
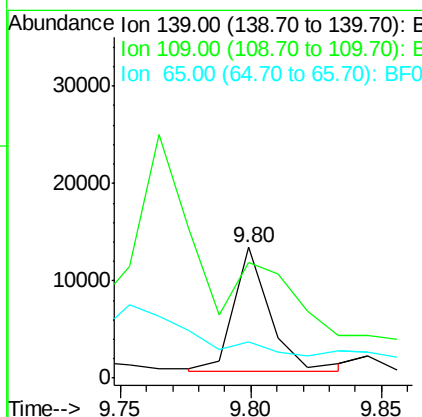
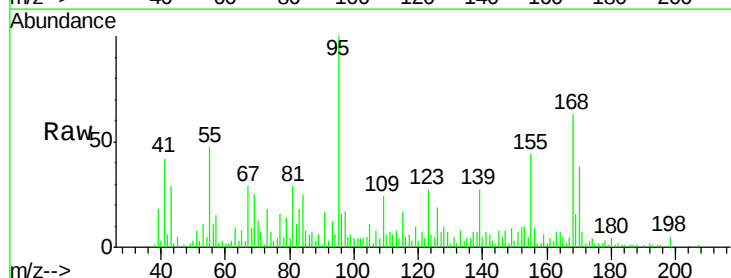
Instrument :
 BNA_F
 ClientSampleId :
 W-40

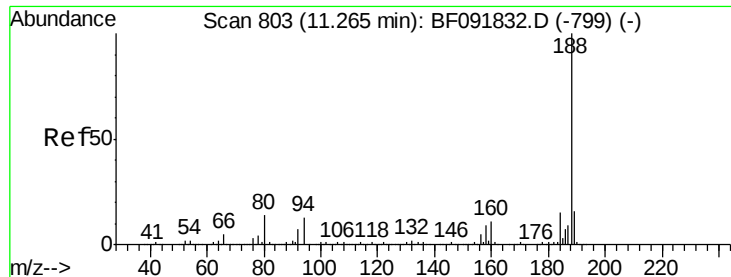
Tgt Ion:172 Resp: 1891676
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.7 20.2 30.4



#55
 4-Nitrophenol
 Concen: 2.46 ng
 RT: 9.80 min Scan# 701
 Delta R.T. -0.03 min
 Lab File: BF092297.D
 Acq: 16 Jan 2017 20:57

Tgt Ion:139 Resp: 12364
 Ion Ratio Lower Upper
 139 100
 109 88.6 52.2 92.2
 65 28.0 85.8 125.8#

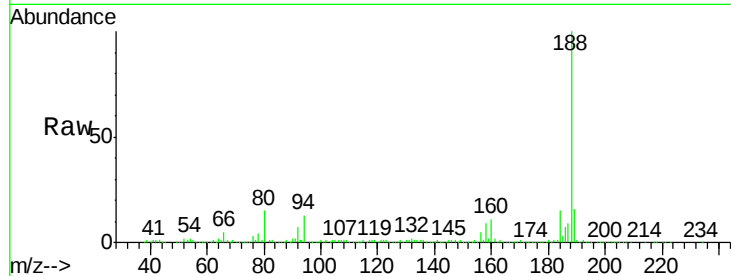




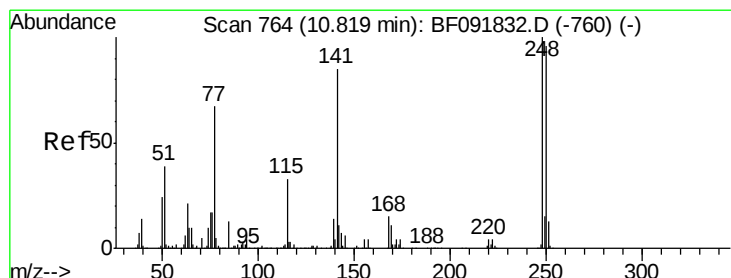
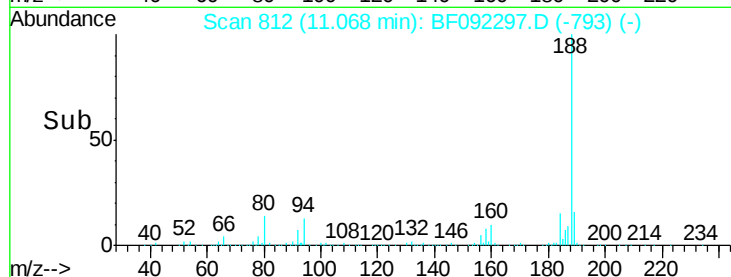
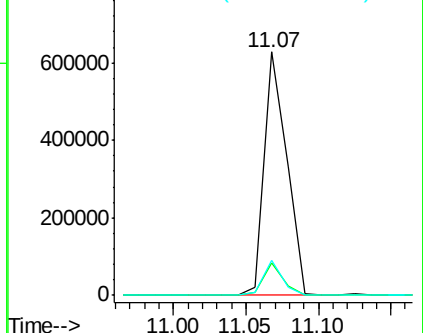
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 812
Delta R.T. -0.09 min
Lab File: BF092297.D
Acq: 16 Jan 2017 20:57

Instrument :
BNA_F
ClientSampleId :
W-40

Tgt Ion:188 Resp: 676911
Ion Ratio Lower Upper
188 100
94 13.5 10.0 15.0
80 14.5 11.2 16.8

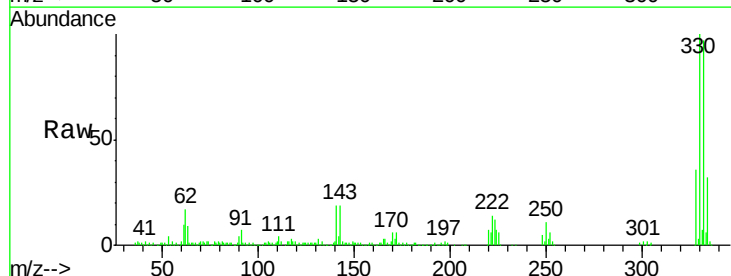


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

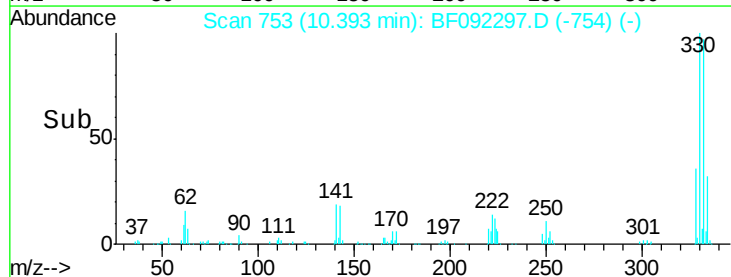
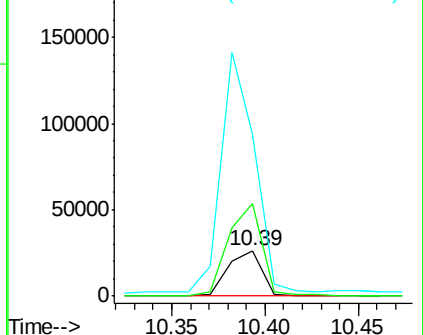


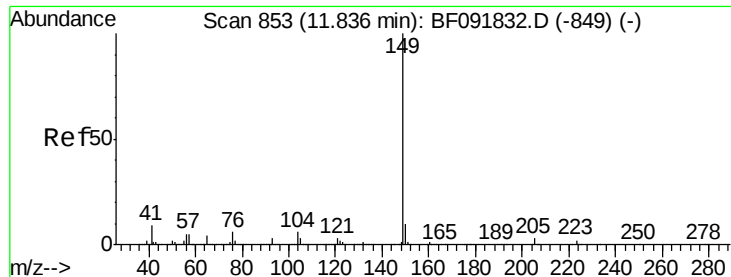
#66
4-Bromophenyl-phenylether
Concen: 4.78 ng
RT: 10.39 min Scan# 753
Delta R.T. -0.32 min
Lab File: BF092297.D
Acq: 16 Jan 2017 20:57

Tgt Ion:248 Resp: 33667
Ion Ratio Lower Upper
248 100
250 202.2 76.9 115.3#
141 354.9 68.2 102.4#



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





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.65 min Scan# 863

Delta R.T. -0.08 min

Lab File: BF092297.D

Acq: 16 Jan 2017 20:57

Instrument :

BNA_F

ClientSampleId :

W-40

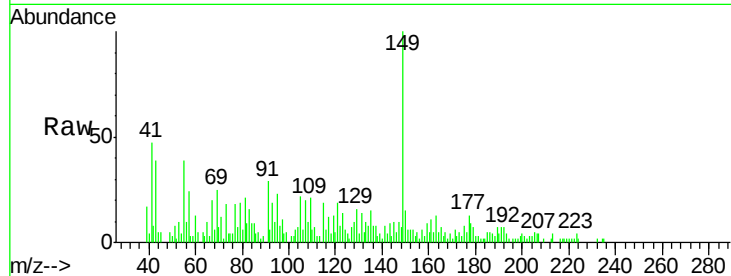
Tgt Ion:149 Resp: 17251

Ion Ratio Lower Upper

149 100

150 15.0 8.1 12.1#

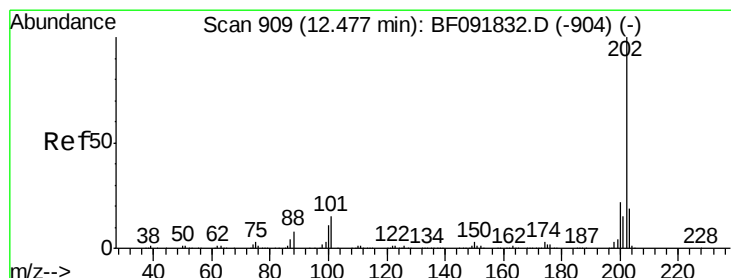
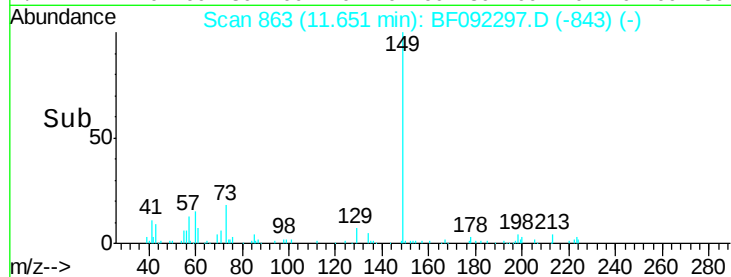
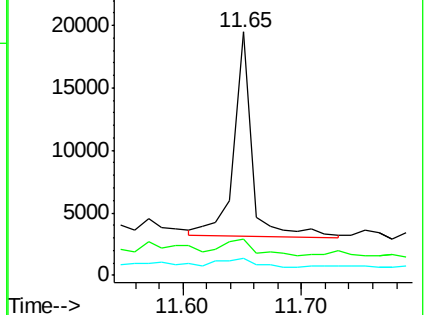
104 7.0 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: Below Cal

RT: 12.28 min Scan# 918

Delta R.T. -0.09 min

Lab File: BF092297.D

Acq: 16 Jan 2017 20:57

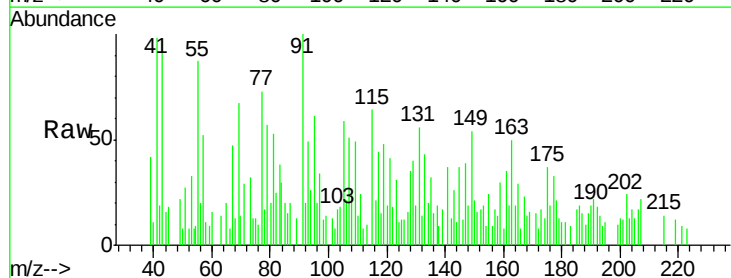
Tgt Ion:202 Resp: 1541

Ion Ratio Lower Upper

202 100

101 52.2 0.0 34.6#

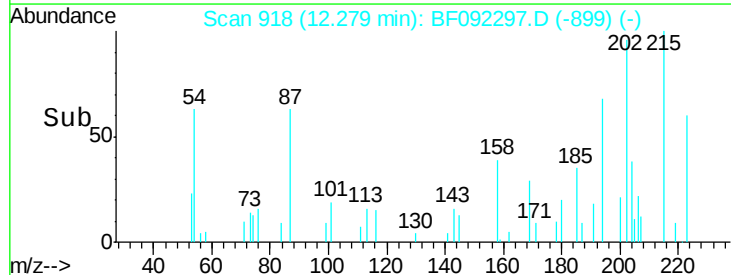
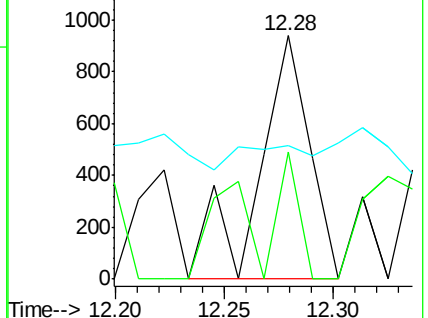
203 55.0 0.0 38.7#

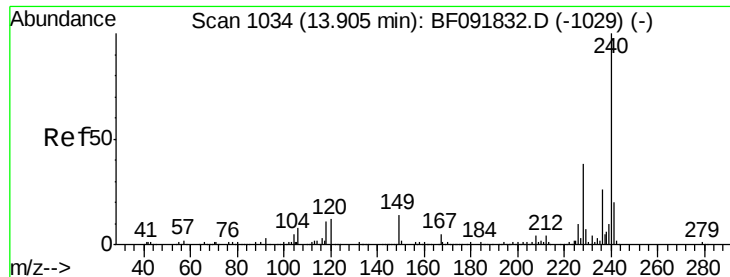


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1042

Delta R.T. -0.09 min

Lab File: BF092297.D

Acq: 16 Jan 2017 20:57

Instrument :

BNA_F

ClientSampleId :

W-40

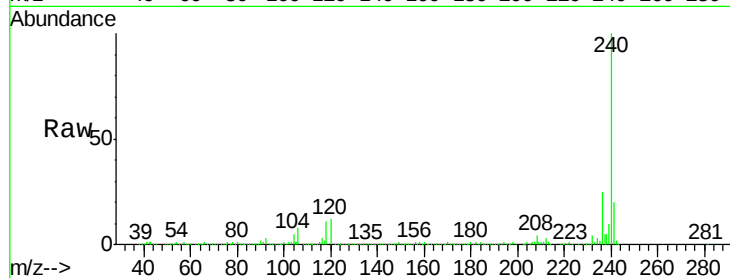
Tgt Ion:240 Resp: 586766

Ion Ratio Lower Upper

240 100

120 12.4 12.9 19.3#

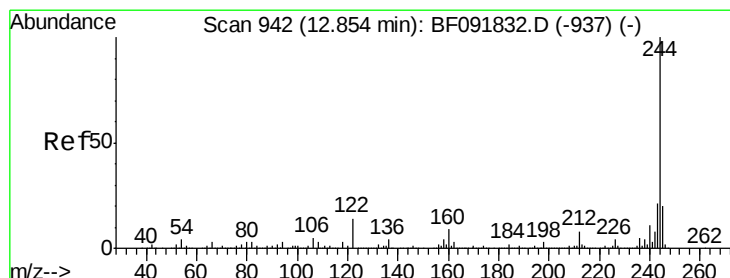
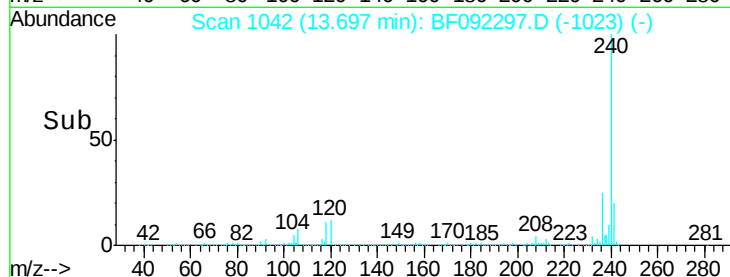
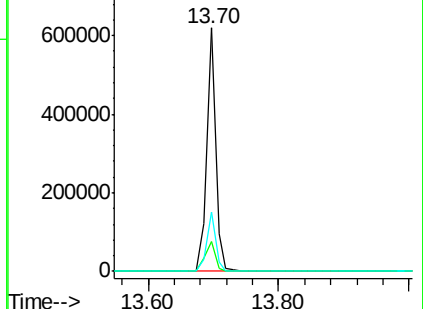
236 24.6 20.9 31.3



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



#78

Terphenyl-d14

Concen: 87.67 ng

RT: 12.66 min Scan# 951

Delta R.T. -0.09 min

Lab File: BF092297.D

Acq: 16 Jan 2017 20:57

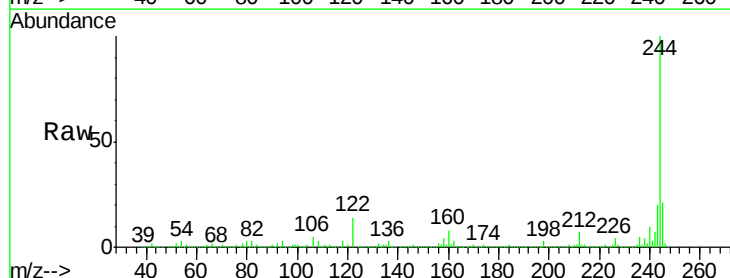
Tgt Ion:244 Resp: 2121179

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

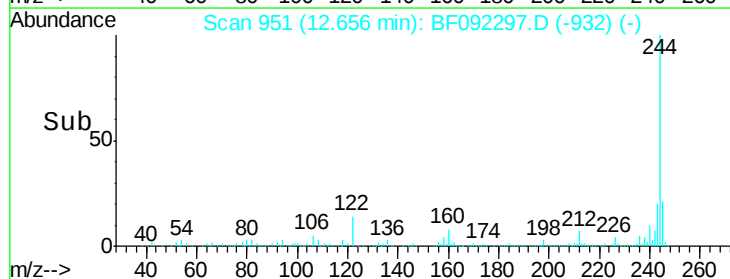
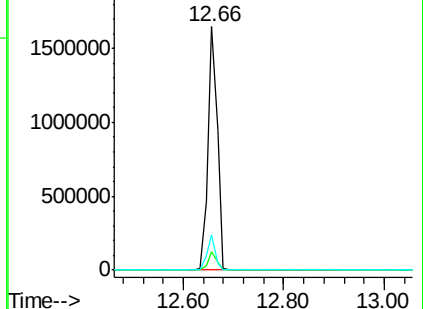
122 14.3 11.4 17.2

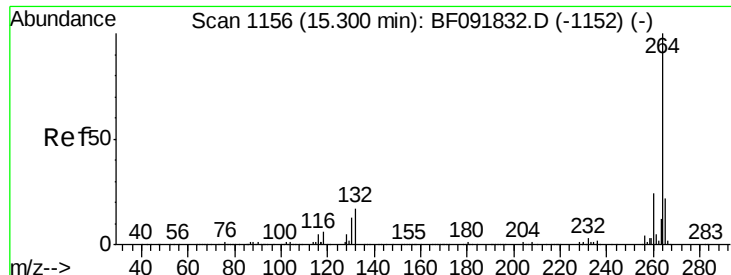


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

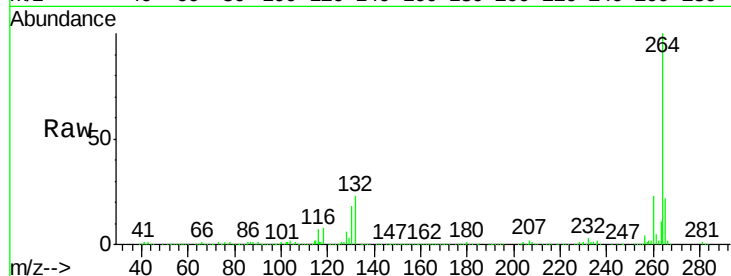




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1160
Delta R.T. -0.10 min
Lab File: BF092297.D
Acq: 16 Jan 2017 20:57

Instrument :
BNA_F
ClientSampleId :
W-40

Tgt Ion: 264 Resp: 433576
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 21.6 17.4 26.0



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

