

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092168.D
 Acq On : 10 Jan 2017 5:04
 Operator : UM/SJ
 Sample : I1055-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-49

Quant Time: Jan 10 06:24:58 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

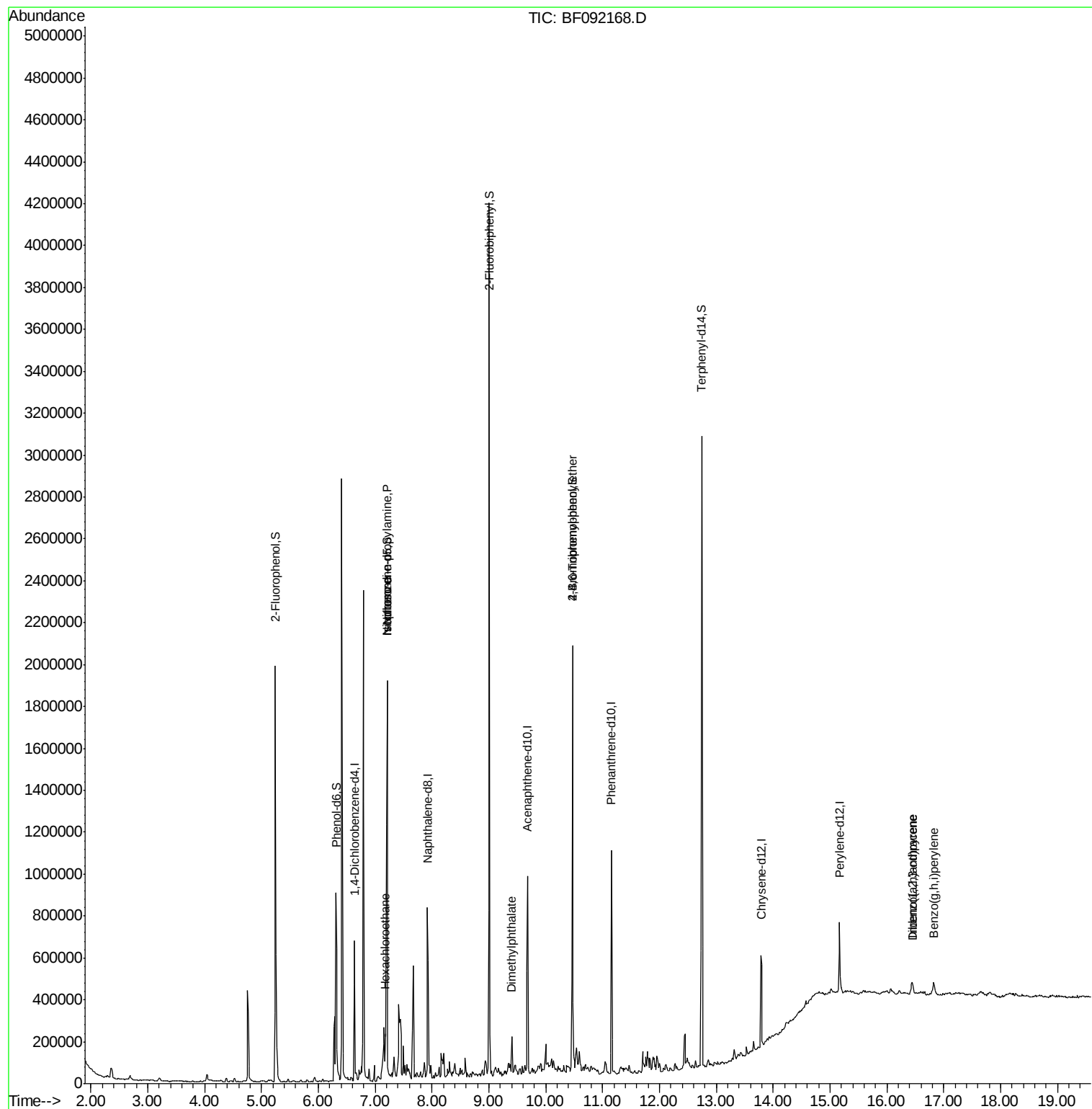
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	134015	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	471011	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	232601	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	364134	20.00	ng	0.00
75) Chrysene-d12	13.80	240	218079	20.00	ng	0.01
86) Perylene-d12	15.17	264	172081	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	658685	82.07	ng	0.01
7) Phenol-d6	6.31	99	453141	46.24	ng	0.00
23) Nitrobenzene-d5	7.21	82	729548	86.13	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	223862	116.30	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1175662	106.88	ng	0.00
78) Terphenyl-d14	12.75	244	935255	104.01	ng	0.00
Target Compounds						
9) Benzaldehyde	6.31	77	821	Below Cal	#	1
18) Hexachloroethane	7.18	117	37735	10.26	ng	40
19) n-Nitroso-di-n-propylamine	7.21	70	97386	14.94	ng	71
25) Isophorone	7.21	82	702736	44.97	ng	65
37) 2-Methylnaphthalene	8.64	142	307	Below Cal	#	45
49) Dimethylphthalate	9.41	163	76537	5.14	ng	100
66) 4-Bromophenyl-phenylether	10.47	248	15608	4.12	ng	1
71) Anthracene	11.24	178	1064	Below Cal	#	59
73) Di-n-butylphthalate	11.73	149	6981	Below Cal	#	95
74) Fluoranthene	12.37	202	1304	Below Cal	#	50
76) Benzidine	12.48	184	1279	Below Cal	#	1
85) Indeno(1,2,3-cd)pyrene	16.45	276	39382	3.68	ng	96
90) Dibenzo(a,h)anthracene	16.46	278	27326	3.50	ng	84
91) Benzo(g,h,i)perylene	16.83	276	52991	6.52	ng	91

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF092168.D

Acq: 10 Jan 2017 5:04

Instrument :

BNA_F

ClientSampleId :

W-49

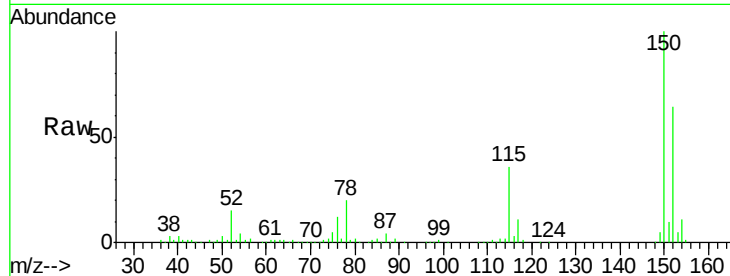
Tgt Ion:152 Resp: 134015

Ion Ratio Lower Upper

152 100

150 155.9 124.9 187.3

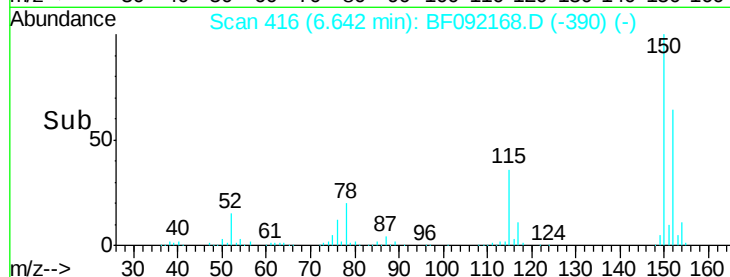
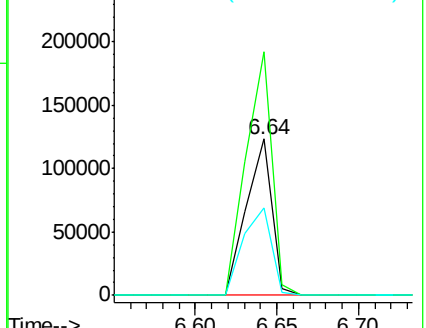
115 55.6 46.0 69.0



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: 82.07 ng

RT: 5.25 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF092168.D

Acq: 10 Jan 2017 5:04

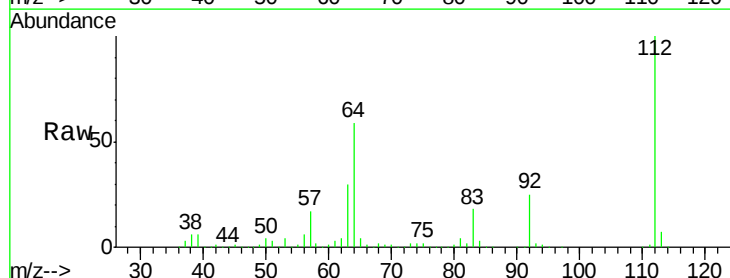
Tgt Ion:112 Resp: 658685

Ion Ratio Lower Upper

112 100

64 58.6 46.1 69.1

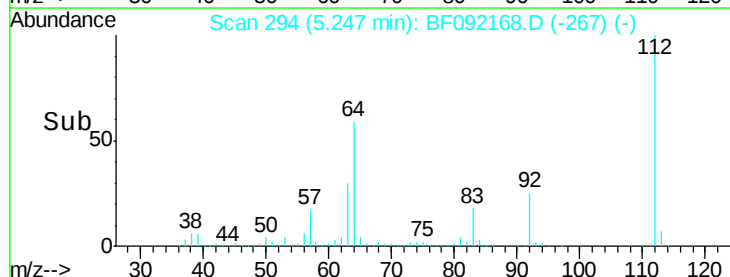
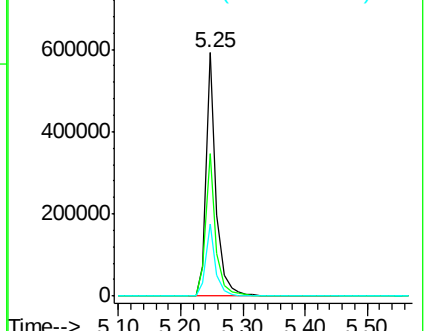
63 29.6 23.8 35.6



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: 46.24 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092168.D

Acq: 10 Jan 2017 5:04

Instrument :

BNA_F

ClientSampleId :

W-49

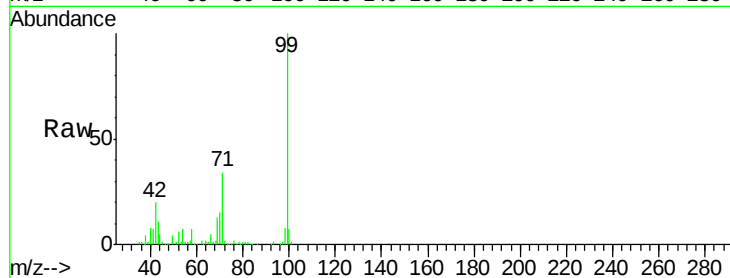
Tgt Ion: 99 Resp: 453141

Ion Ratio Lower Upper

99 100

42 20.0 15.6 23.4

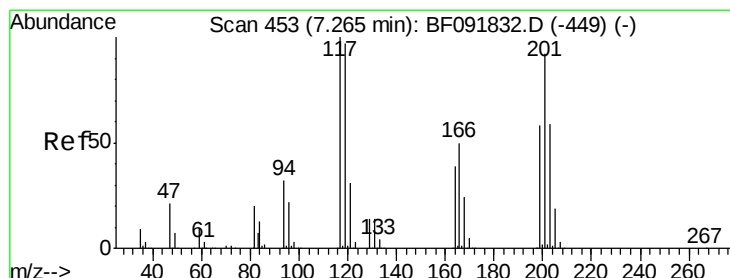
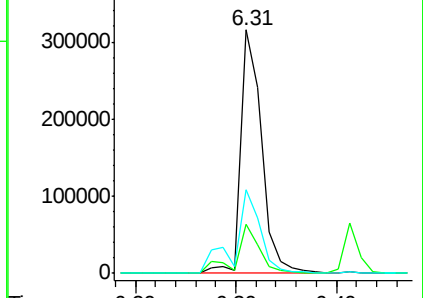
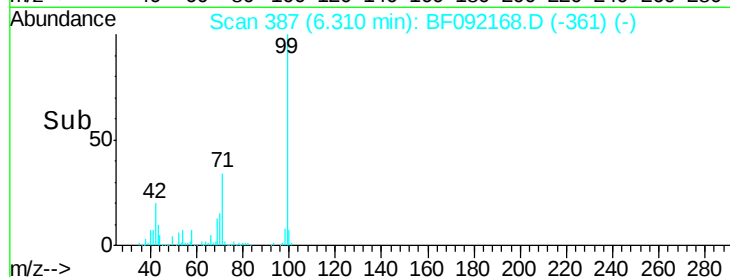
71 34.3 27.5 41.3



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



#18

Hexachloroethane

Concen: 10.26 ng

RT: 7.18 min Scan# 463

Delta R.T. 0.02 min

Lab File: BF092168.D

Acq: 10 Jan 2017 5:04

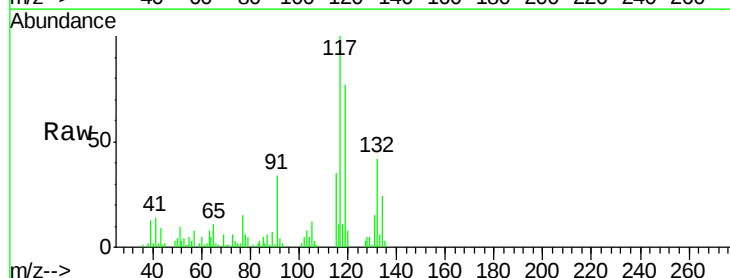
Tgt Ion: 117 Resp: 37735

Ion Ratio Lower Upper

117 100

119 77.5 78.1 117.1#

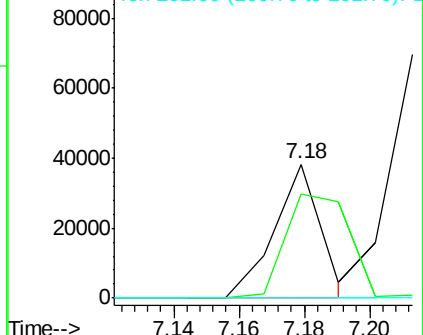
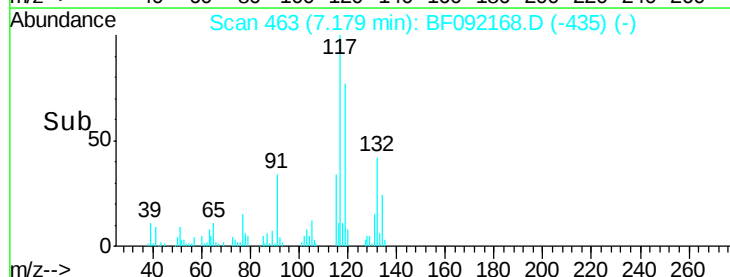
201 0.0 78.6 117.8#

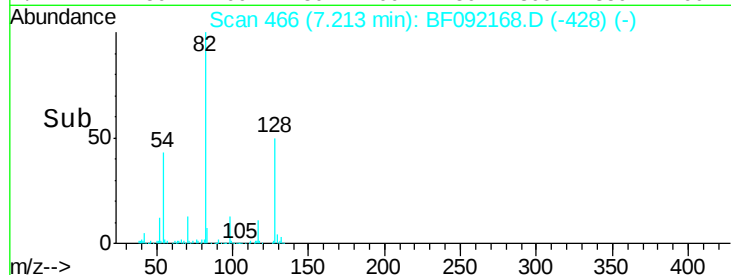
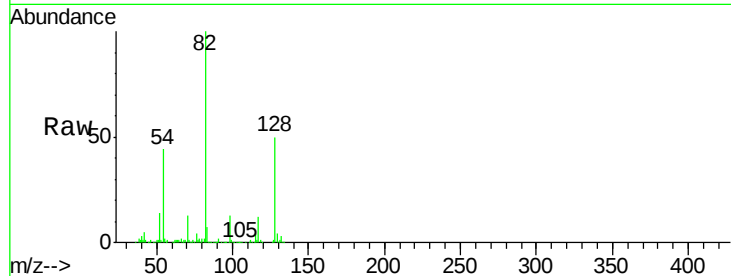


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

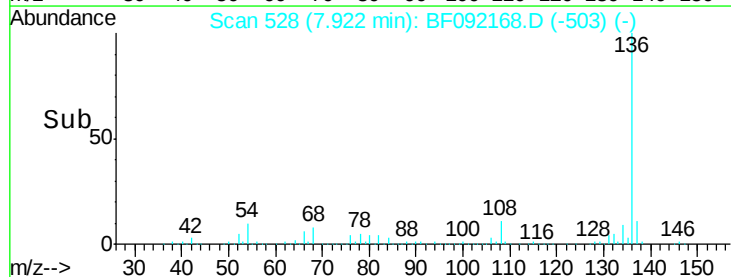
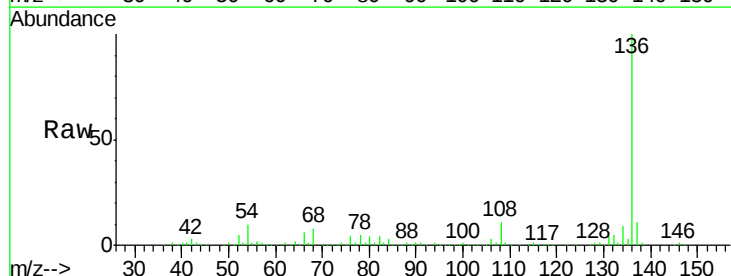
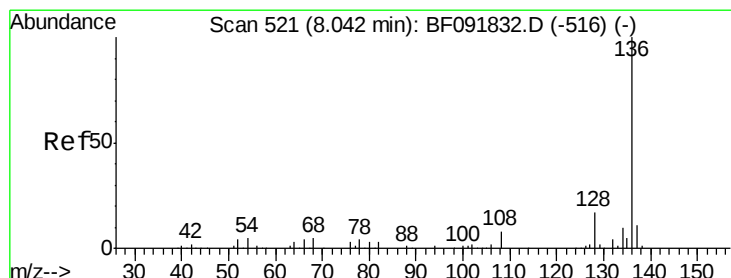
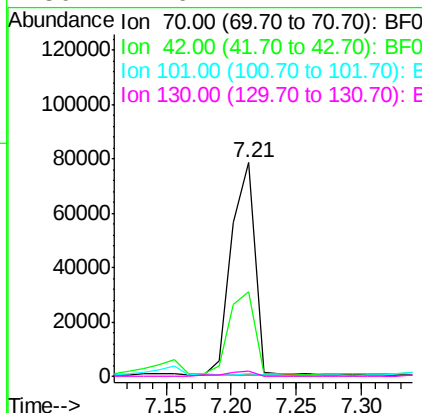




#19
n-Nitroso-di-n-propylamine
Concen: 14.94 ng
RT: 7.21 min Scan# 466
Delta R.T. 0.14 min
Lab File: BF092168.D
Acq: 10 Jan 2017 5:04

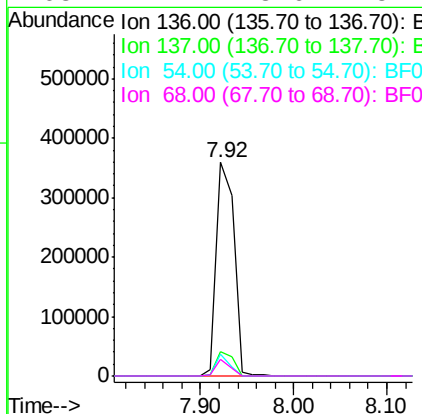
Instrument :
BNA_F
ClientSampleId :
W-49

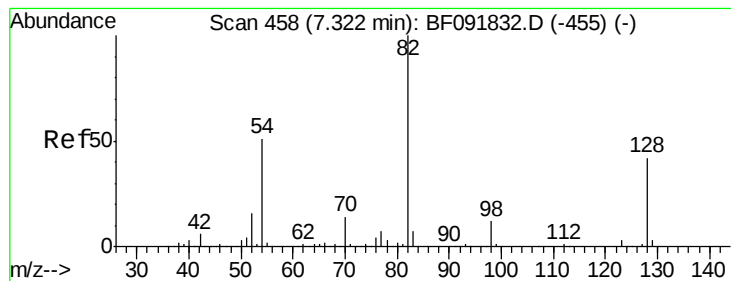
Tgt Ion:	70	Resp:	97386
Ion	Ratio	Lower	Upper
70	100		
42	39.5	49.4	74.0#
101	0.9	7.4	11.2#
130	2.6	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF092168.D
Acq: 10 Jan 2017 5:04

Tgt Ion:	136	Resp:	471011
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.4	12.6
54	10.2	4.5	6.7#
68	7.7	3.6	5.4#





#23

Nitrobenzene-d5

Concen: 86.13 ng

RT: 7.21 min Scan# 466

Delta R.T. 0.00 min

Lab File: BF092168.D

Acq: 10 Jan 2017 5:04

Instrument :

BNA_F

ClientSampleId :

W-49

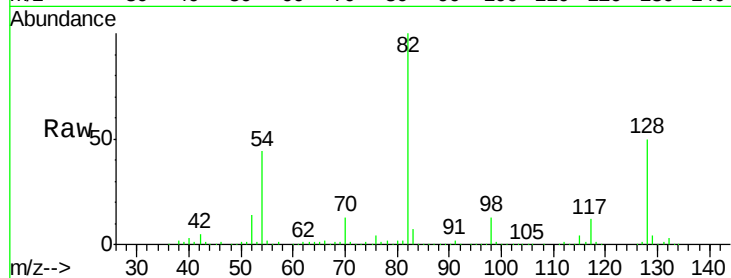
Tgt Ion: 82 Resp: 729548

Ion Ratio Lower Upper

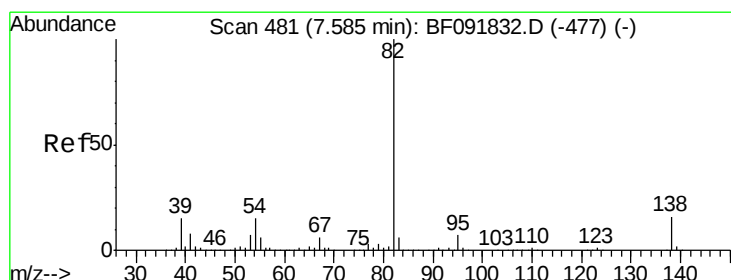
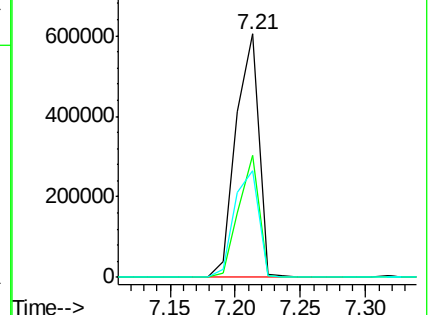
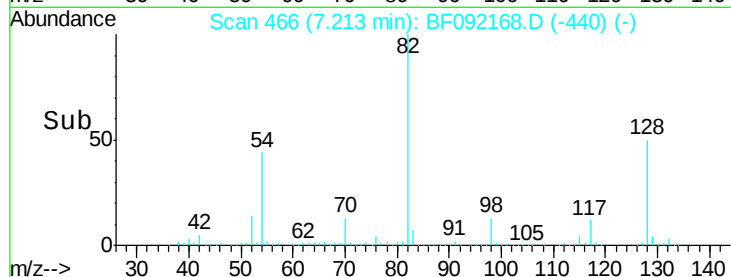
82 100

128 50.2 34.6 52.0

54 44.0 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



#25

Isophorone

Concen: 44.97 ng

RT: 7.21 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF092168.D

Acq: 10 Jan 2017 5:04

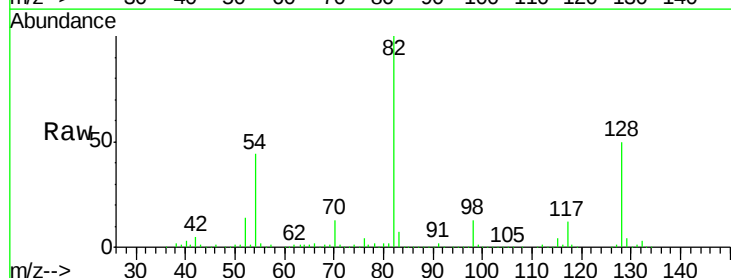
Tgt Ion: 82 Resp: 702736

Ion Ratio Lower Upper

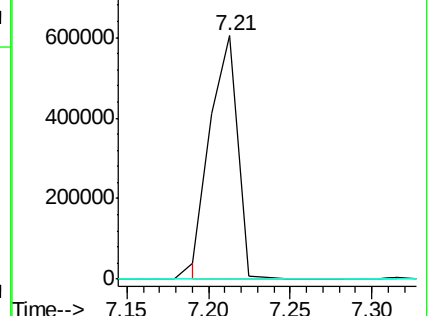
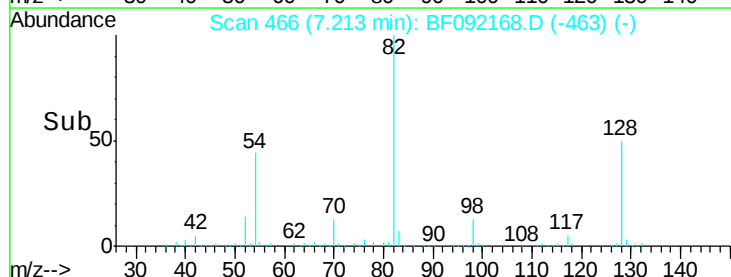
82 100

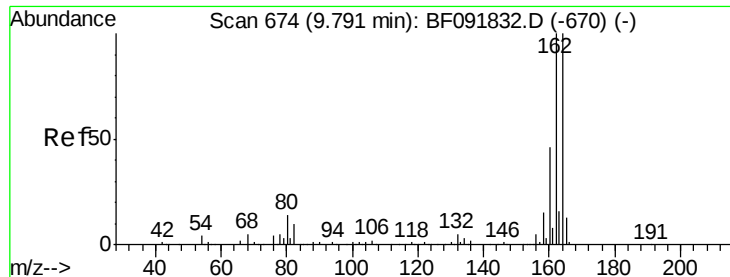
95 0.1 5.6 8.4#

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): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF092168.D

Acq: 10 Jan 2017 5:04

Instrument :

BNA_F

ClientSampleId :

W-49

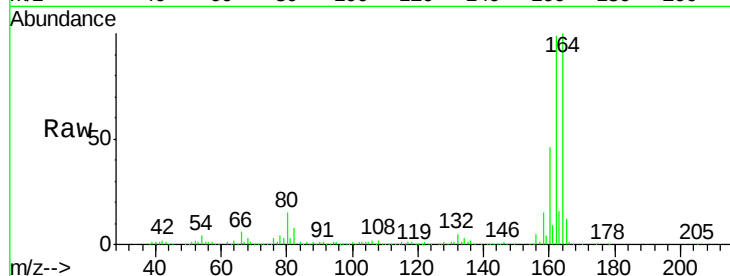
Tgt Ion:164 Resp: 232601

Ion Ratio Lower Upper

164 100

162 99.0 80.2 120.2

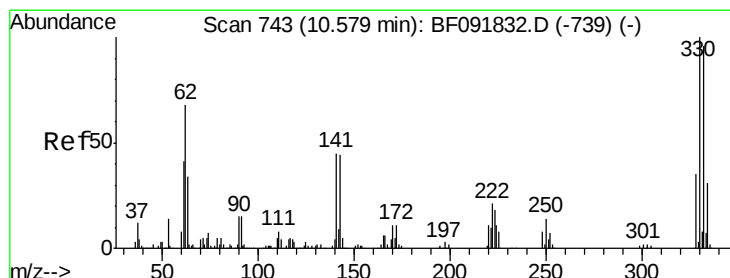
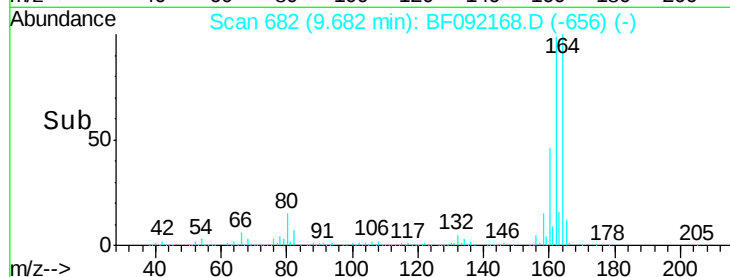
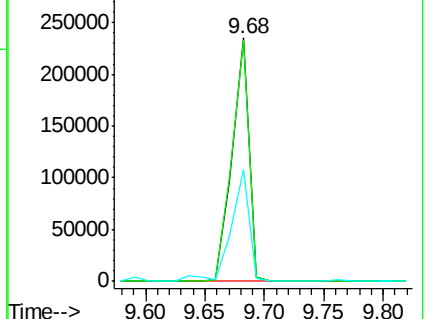
160 45.9 36.9 55.3



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: 116.30 ng

RT: 10.47 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF092168.D

Acq: 10 Jan 2017 5:04

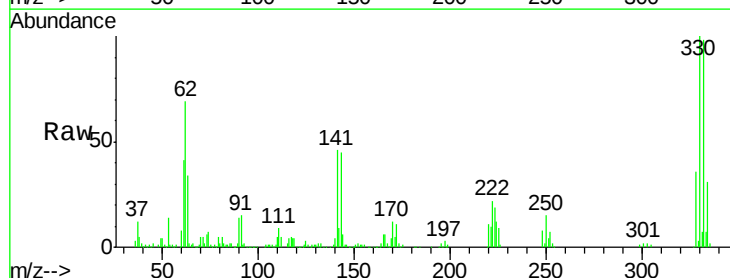
Tgt Ion:330 Resp: 223862

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.2

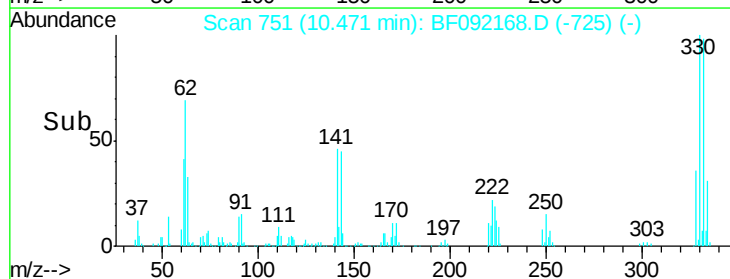
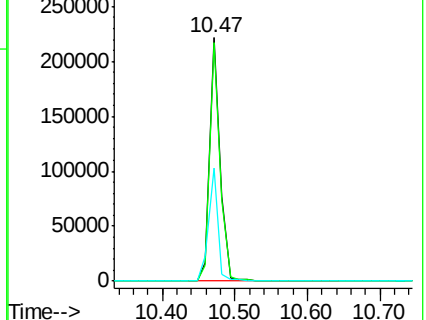
141 42.7 34.1 51.1

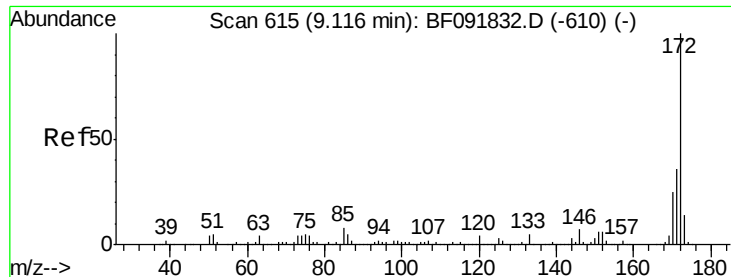


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

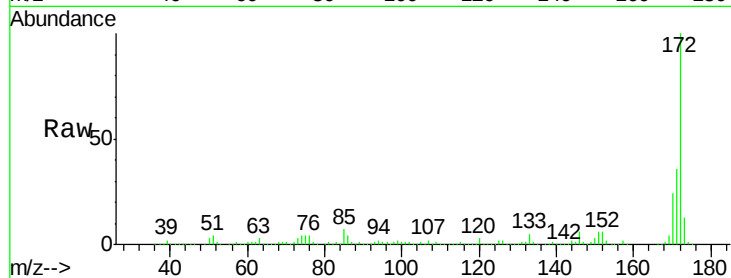




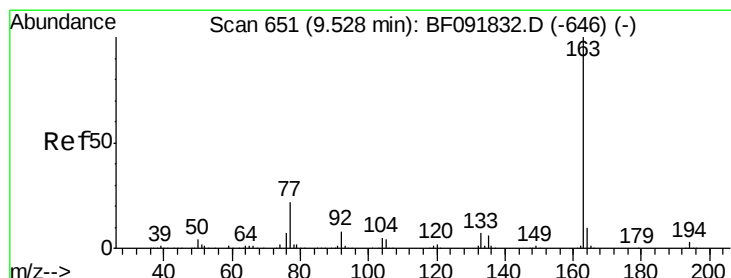
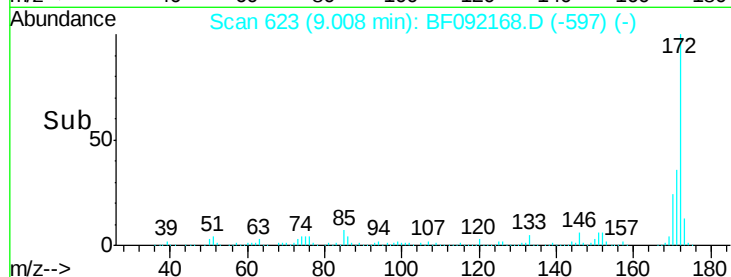
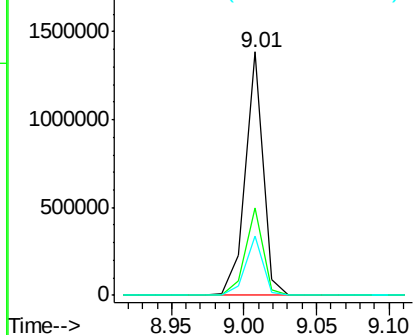
#44
 2-Fluorobiphenyl
 Concen: 106.88 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092168.D
 Acq: 10 Jan 2017 5:04

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:172 Resp: 1175662
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 24.1 20.2 30.4

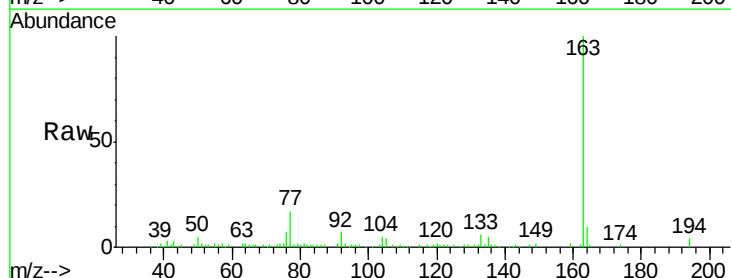


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

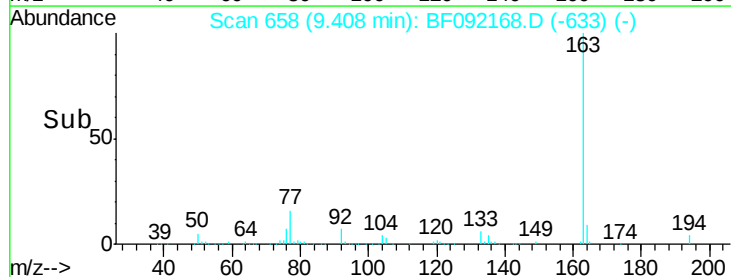
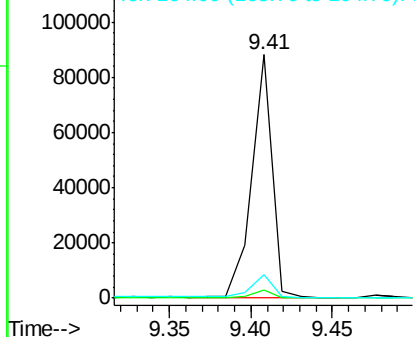


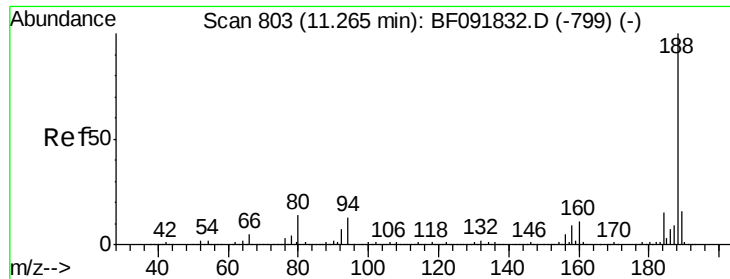
#49
 Dimethylphthalate
 Concen: 5.14 ng
 RT: 9.41 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF092168.D
 Acq: 10 Jan 2017 5:04

Tgt Ion:163 Resp: 76537
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.0 4.4
 164 9.9 8.0 12.0



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

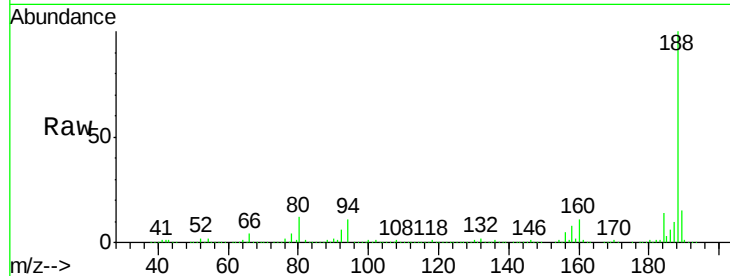




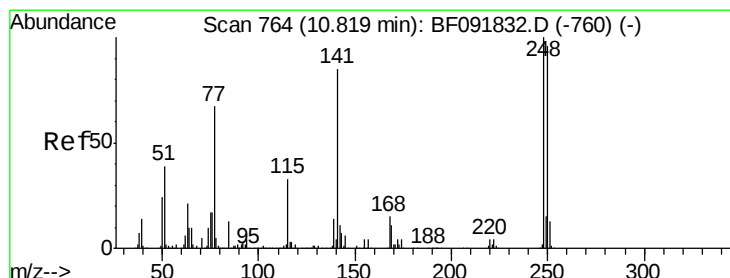
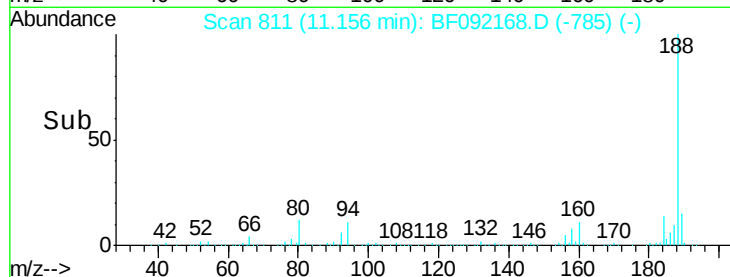
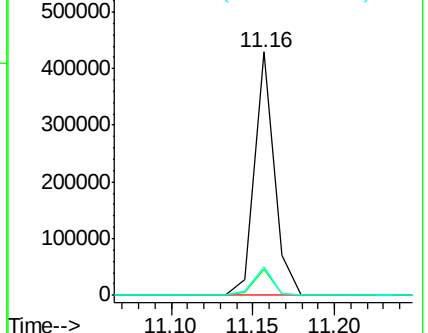
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.16 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF092168.D
 Acq: 10 Jan 2017 5:04

Instrument :
 BNA_F
 ClientSampleId :
 W-49

Tgt Ion:188 Resp: 364134
 Ion Ratio Lower Upper
 188 100
 94 10.7 10.0 15.0
 80 11.7 11.2 16.8

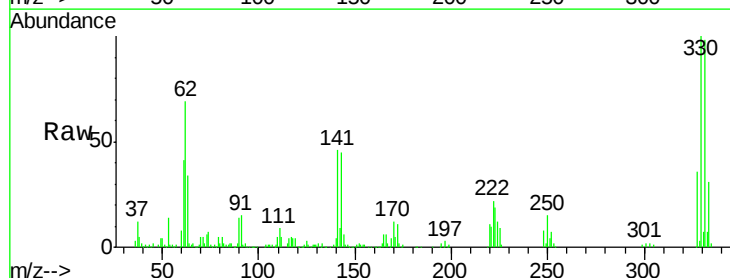


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

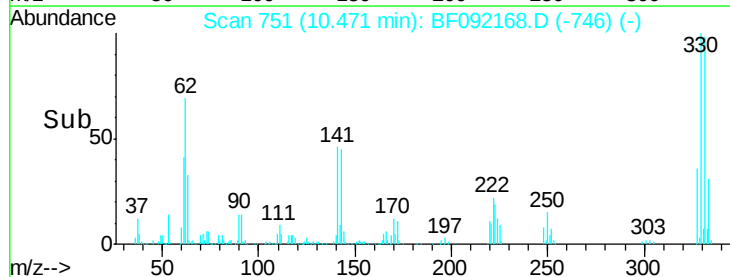
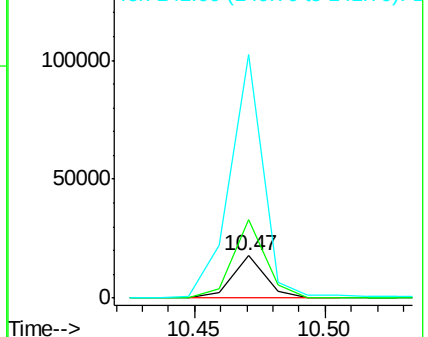


#66
 4-Bromophenyl-phenylether
 Concen: 4.12 ng
 RT: 10.47 min Scan# 751
 Delta R.T. -0.24 min
 Lab File: BF092168.D
 Acq: 10 Jan 2017 5:04

Tgt Ion:248 Resp: 15608
 Ion Ratio Lower Upper
 248 100
 250 187.6 76.9 115.3#
 141 577.2 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: 11.73 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF092168.D

Acq: 10 Jan 2017 5:04

Instrument :

BNA_F

ClientSampleId :

W-49

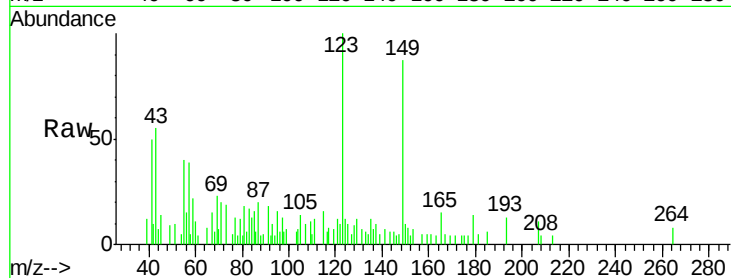
Tgt Ion:149 Resp: 6981

Ion Ratio Lower Upper

149 100

150 11.8 8.1 12.1

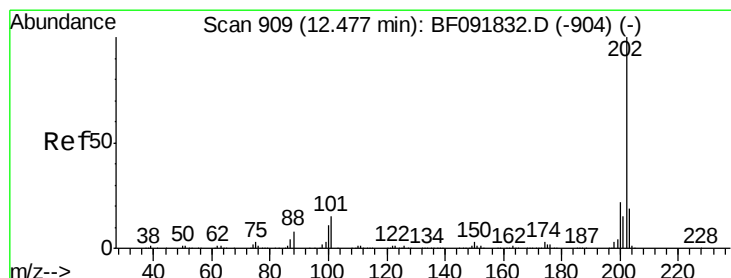
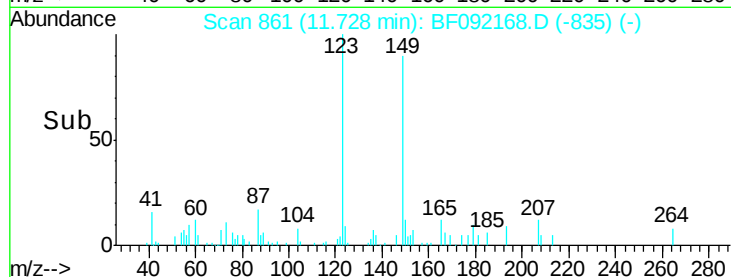
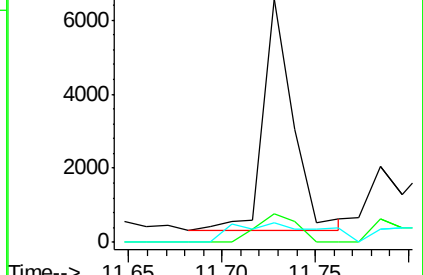
104 8.1 4.6 7.0#



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: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092168.D

Acq: 10 Jan 2017 5:04

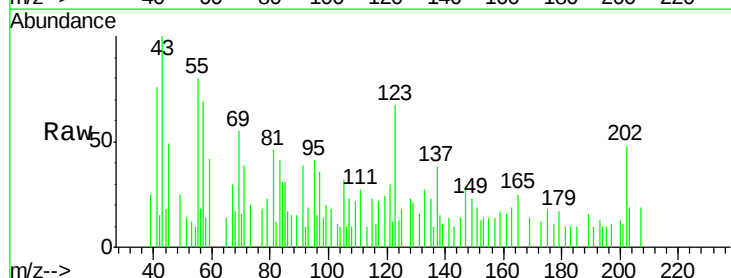
Tgt Ion:202 Resp: 1304

Ion Ratio Lower Upper

202 100

101 36.8 0.0 34.6#

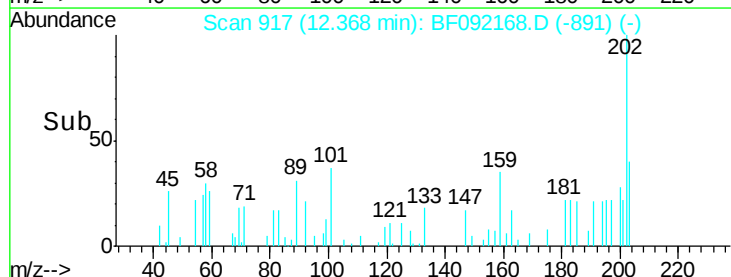
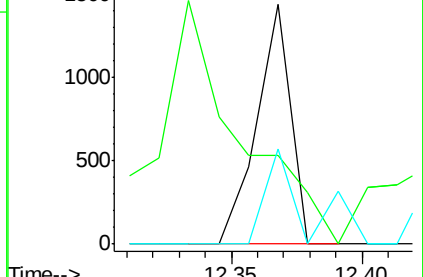
203 39.9 0.0 38.7#

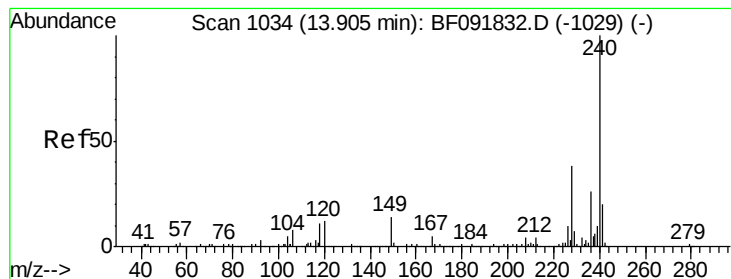


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.80 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF092168.D

Acq: 10 Jan 2017 5:04

Instrument :

BNA_F

ClientSampleId :

W-49

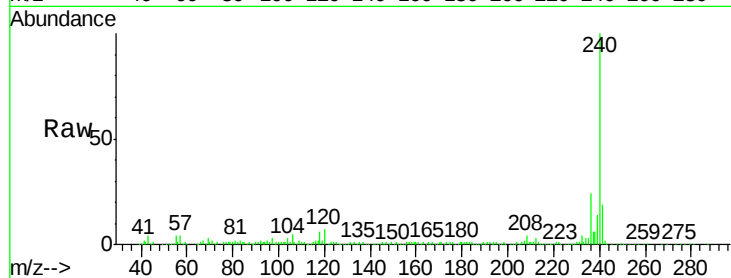
Tgt Ion:240 Resp: 218079

Ion Ratio Lower Upper

240 100

120 7.1 12.9 19.3#

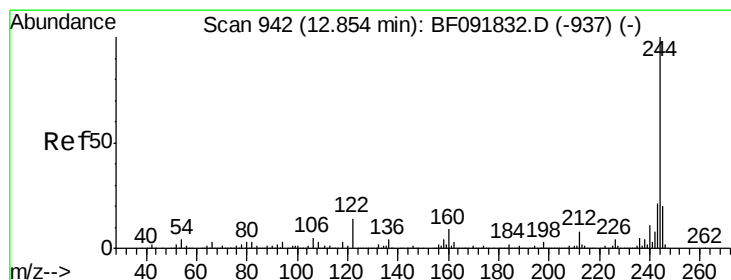
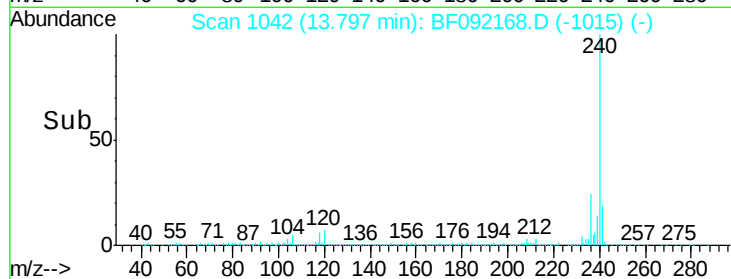
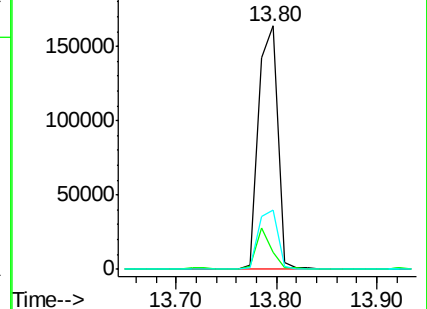
236 24.4 20.9 31.3



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: 104.01 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092168.D

Acq: 10 Jan 2017 5:04

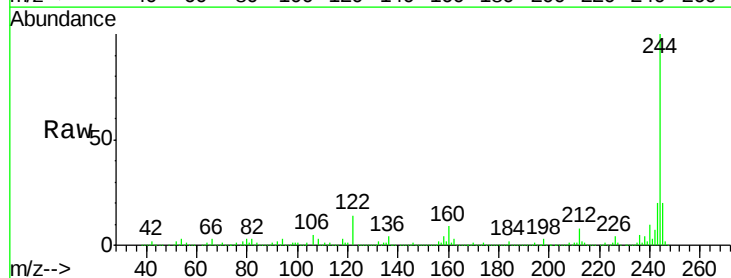
Tgt Ion:244 Resp: 935255

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

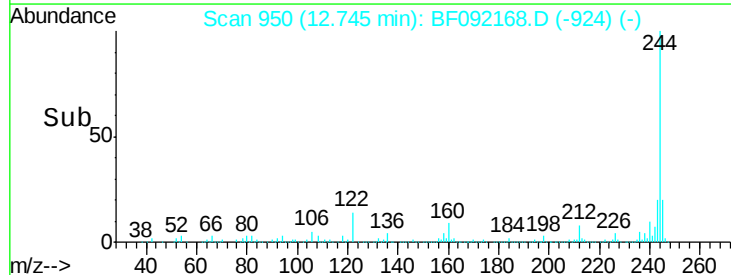
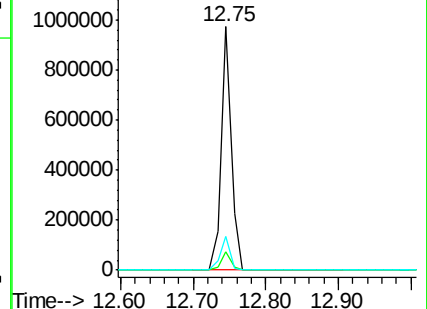
122 13.7 11.4 17.2

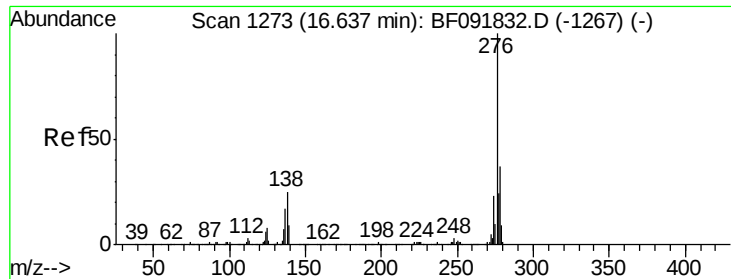


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

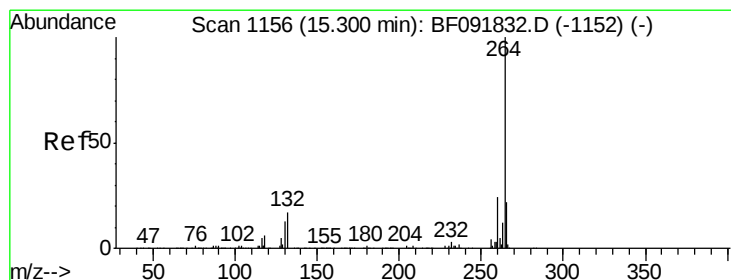
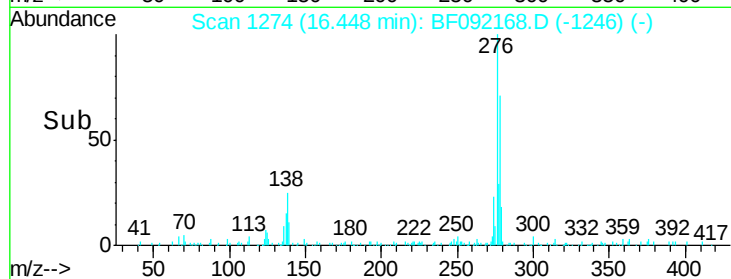
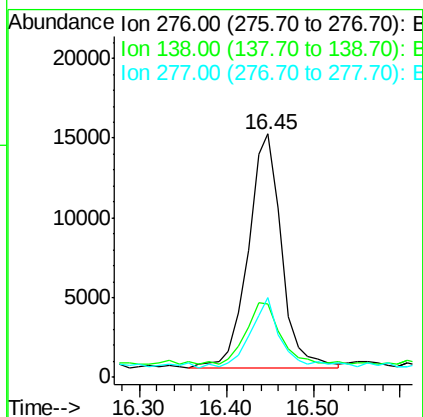
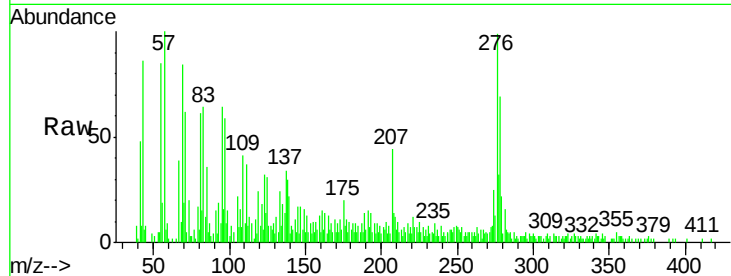




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.68 ng
 RT: 16.45 min Scan# 1274
 Delta R.T. 0.02 min
 Lab File: BF092168.D
 Acq: 10 Jan 2017 5:04

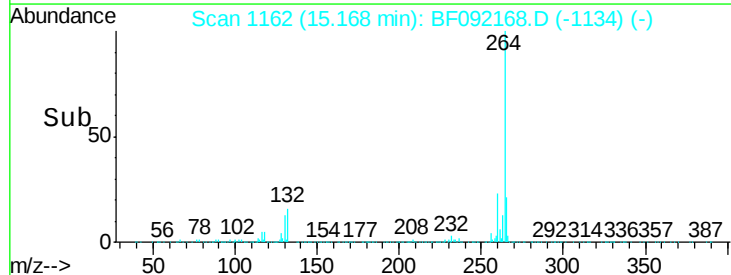
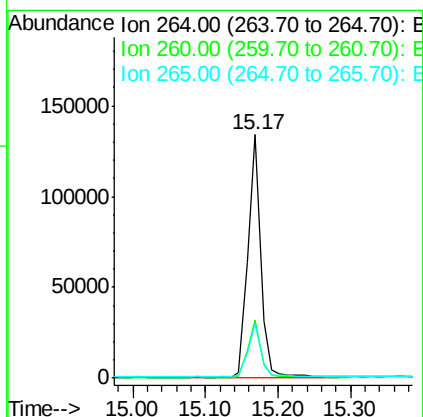
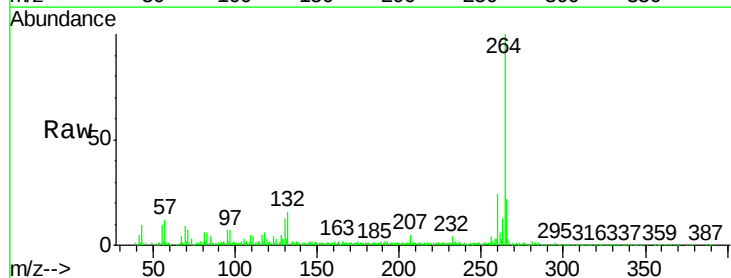
Instrument :
 BNA_F
 ClientSampleId :
 W-49

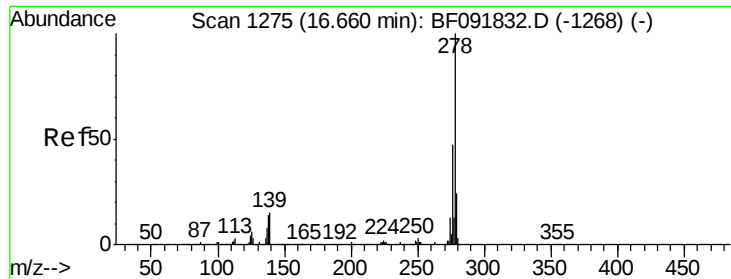
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.8	32.6
277	28.7	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.17 min Scan# 1162
 Delta R.T. 0.02 min
 Lab File: BF092168.D
 Acq: 10 Jan 2017 5:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.2	17.4	26.0





#90

Dibenzo(a,h)anthracene

Concen: 3.50 ng

RT: 16.46 min Scan# 1275

Delta R.T. 0.02 min

Lab File: BF092168.D

Acq: 10 Jan 2017 5:04

Instrument :

BNA_F

ClientSampleId :

W-49

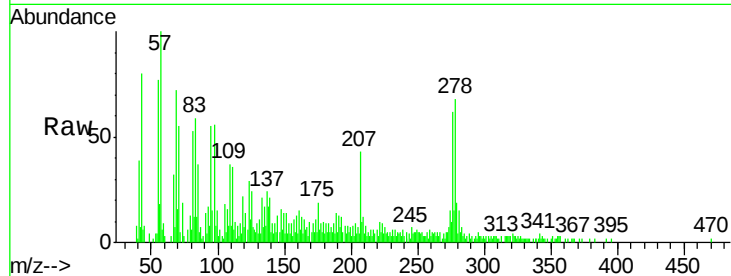
Tgt Ion: 278 Resp: 27326

Ion Ratio Lower Upper

278 100

139 30.4 14.8 22.2#

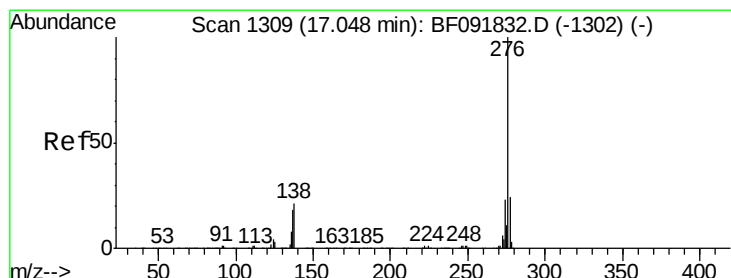
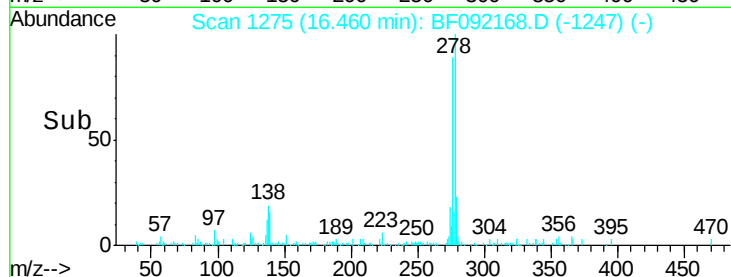
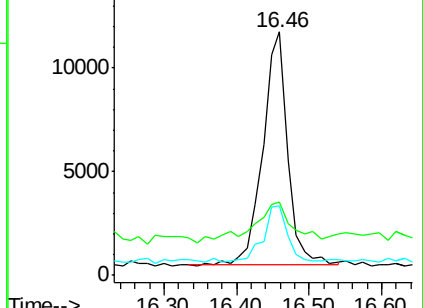
279 28.4 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.52 ng

RT: 16.83 min Scan# 1307

Delta R.T. 0.02 min

Lab File: BF092168.D

Acq: 10 Jan 2017 5:04

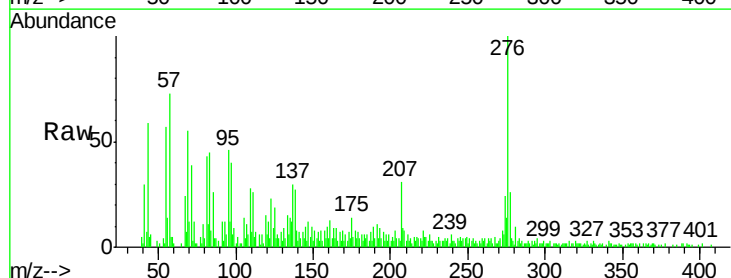
Tgt Ion: 276 Resp: 52991

Ion Ratio Lower Upper

276 100

277 26.3 19.2 28.8

138 26.8 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

