

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021517\
 Data File : BF092969.D
 Acq On : 15 Feb 2017 23:37
 Operator : SJ/MA
 Sample : I1859-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 00:34:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	154550	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	605243	20.00	ng	-0.01
38) Acenaphthene-d10	9.92	164	317478	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	489236	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	353541	20.00	ng	-0.03
86) Perylene-d12	15.46	264	311648	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	968625	107.52	ng	-0.01
7) Phenol-d6	6.51	99	1209010	104.31	ng	-0.02
23) Nitrobenzene-d5	7.44	82	814619	74.95	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	250980	109.30	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	1243997	70.99	ng	-0.01
78) Terphenyl-d14	12.98	244	1052339	69.94	ng	-0.01

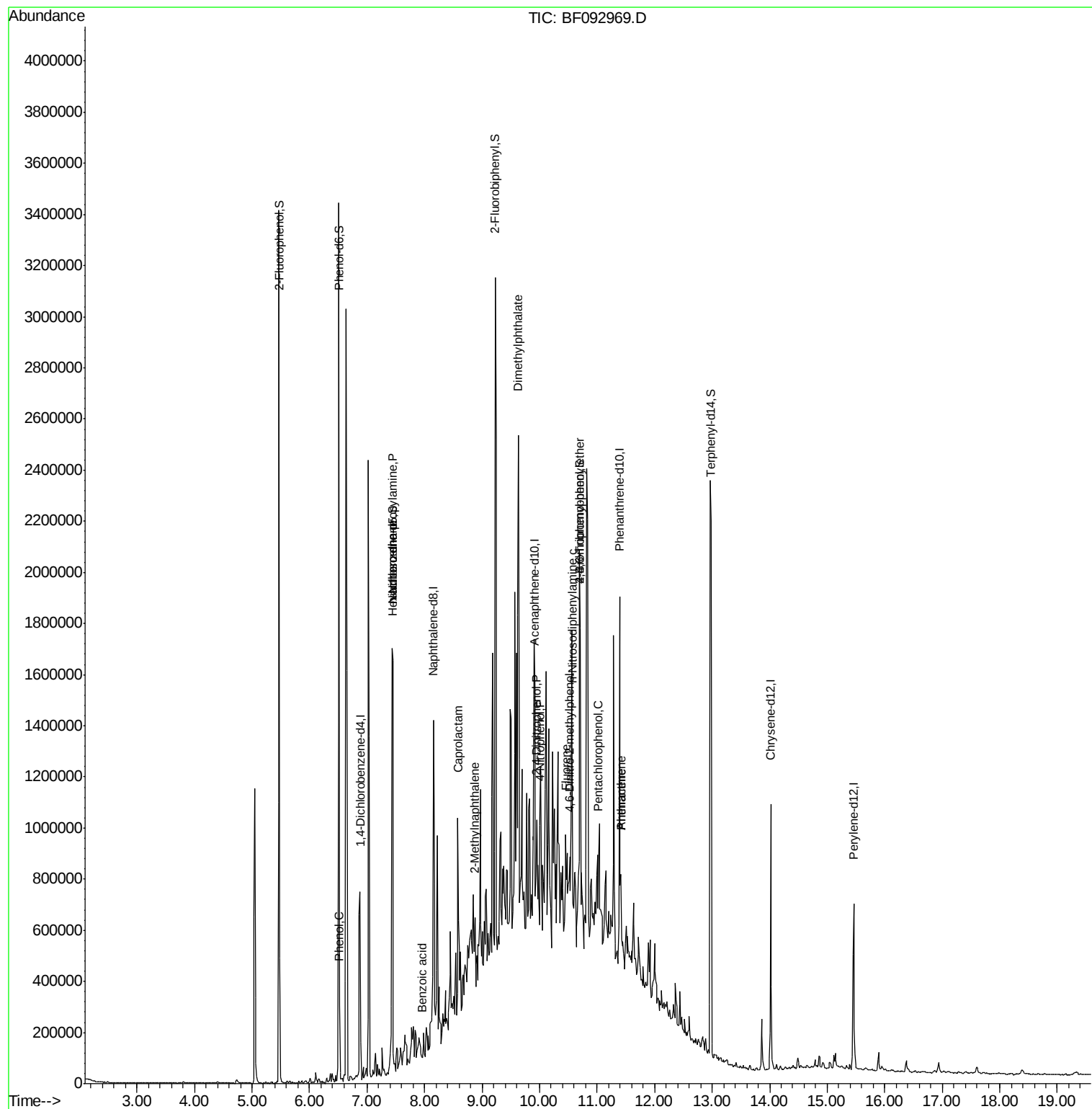
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	32514	2.40	ng	# 75
18) Hexachloroethane	7.45	117	13219	3.29	ng	# 15
19) n-Nitroso-di-n-propylamine	7.44	70	118945	16.12	ng	# 80
32) Benzoic acid	7.95	122	1276	7.37	ng	# 19
35) Caprolactam	8.58	113	21240	7.77	ng	# 1
37) 2-Methylnaphthalene	8.88	142	103691	5.26	ng	97
49) Dimethylphthalate	9.63	163	229739	10.74	ng	99
53) 2,4-Dinitrophenol	9.95	184	208	4.82	ng	# 1
55) 4-Nitrophenol	10.01	139	18706	4.91	ng	# 43
57) Fluorene	10.45	166	46568	2.44	ng	# 90
64) 4,6-Dinitro-2-methylphenol	10.52	198	1386	3.11	ng	# 1
65) n-Nitrosodiphenylamine	10.57	169	97166	6.22	ng	# 48
66) 4-Bromophenyl-phenylether	10.70	248	17648	3.45	ng	# 1
69) Pentachlorophenol	11.02	266	355	7.33	ng	# 18
70) Phenanthrene	11.41	178	115112	4.11	ng	97
71) Anthracene	11.41	178	115112	4.09	ng	98

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

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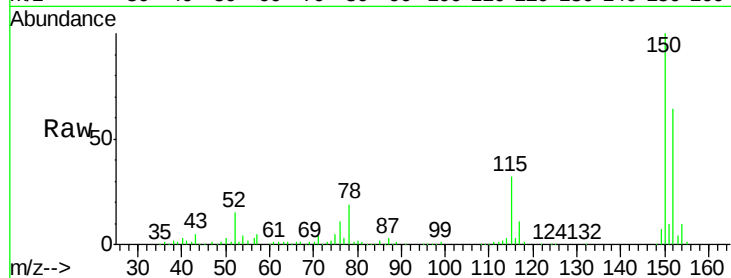


#1

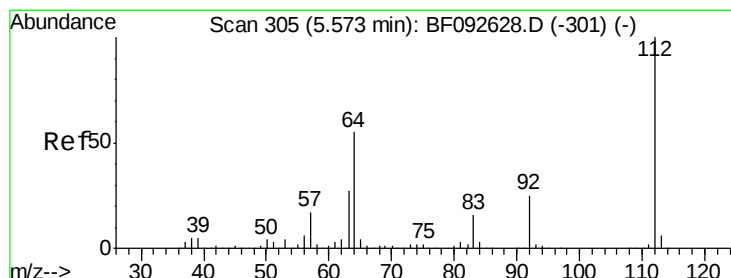
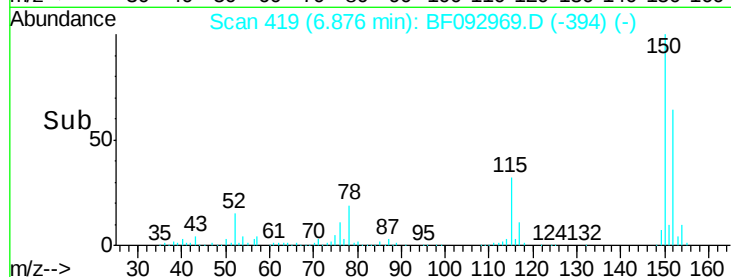
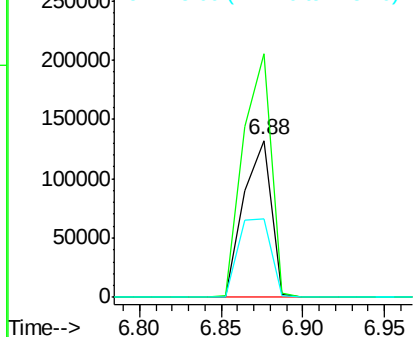
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.01 min
Lab File: BF092969.D
Acq: 15 Feb 2017 23:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 154550
Ion Ratio Lower Upper
152 100
150 155.3 124.9 187.3
115 50.1 46.0 69.0



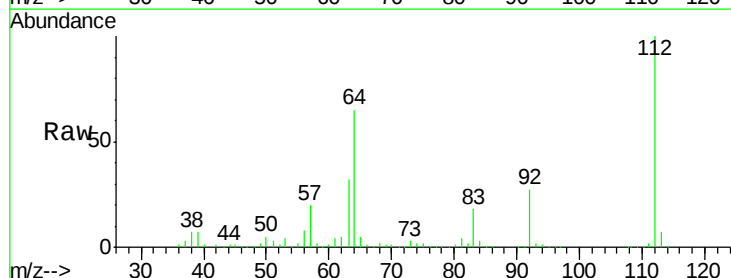
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



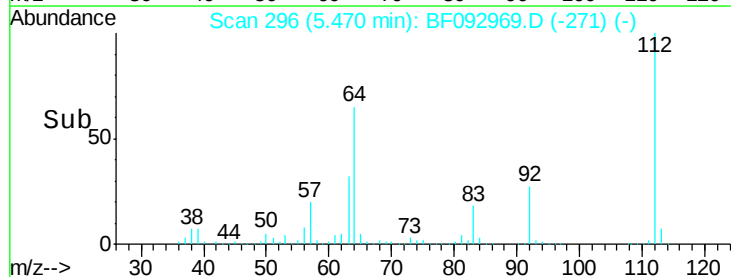
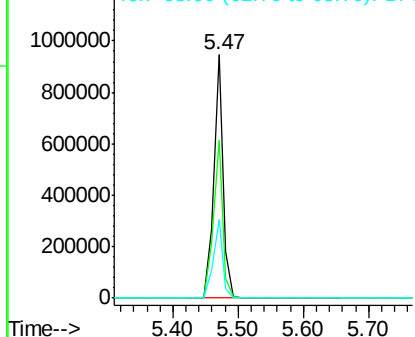
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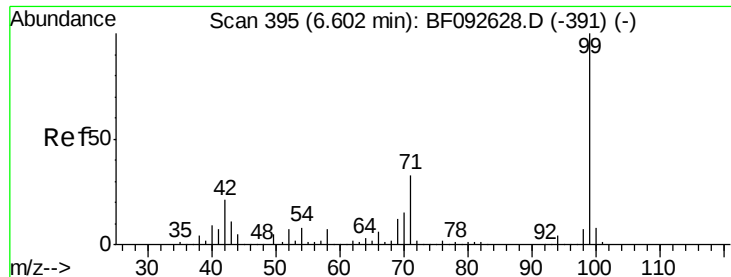
2-Fluorophenol
Concen: 107.52 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.01 min
Lab File: BF092969.D
Acq: 15 Feb 2017 23:37

Tgt Ion:112 Resp: 968625
Ion Ratio Lower Upper
112 100
64 65.1 46.1 69.1
63 32.3 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: 104.31 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF092969.D

Acq: 15 Feb 2017 23:37

Instrument :

BNA_F

ClientSampleId :

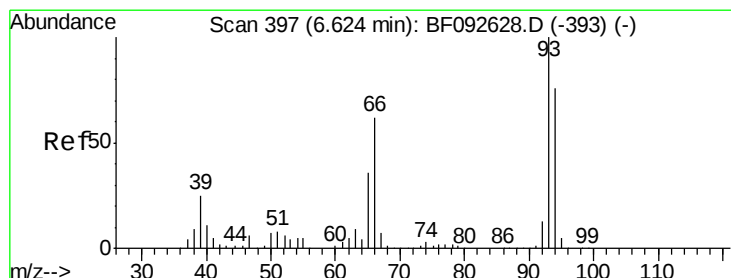
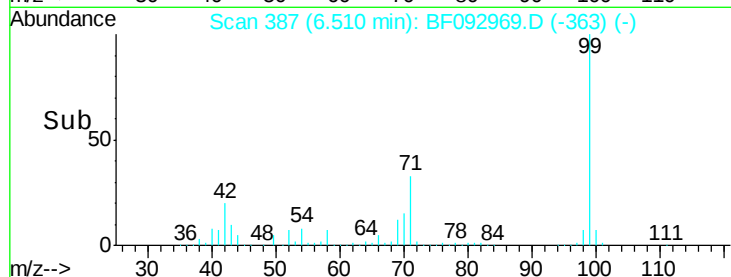
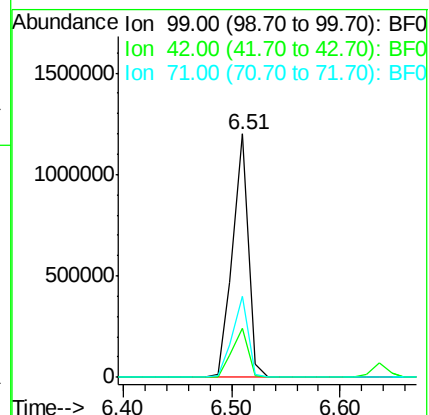
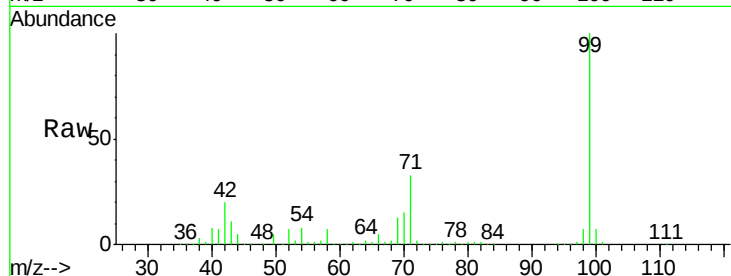
Tot Ion: 99 Resp: 1209010

Ion Ratio Lower Upper

99 100

42 19.9 15.6 23.4

71 33.2 27.5 41.3



#10

Phenol

Concen: 2.40 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF092969.D

Acq: 15 Feb 2017 23:37

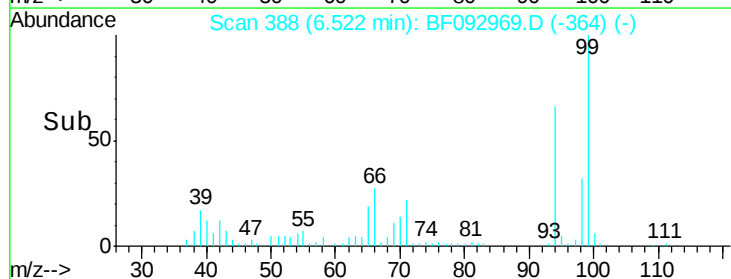
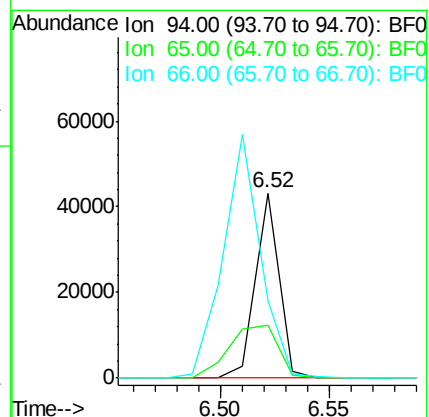
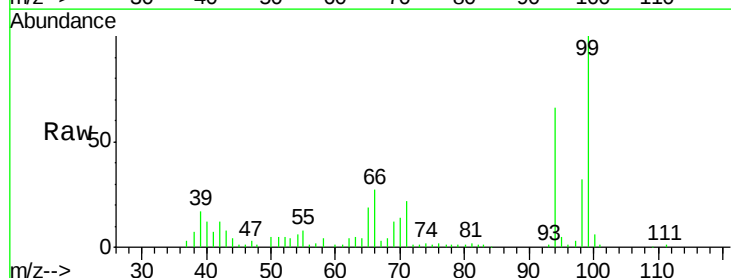
Tgt Ion: 94 Resp: 32514

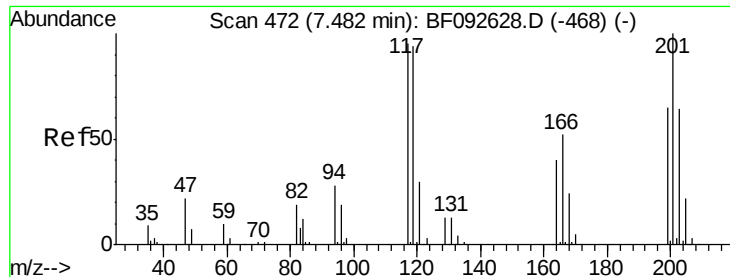
Ion Ratio Lower Upper

94 100

65 28.7 21.4 61.4

66 41.4 44.0 84.0#

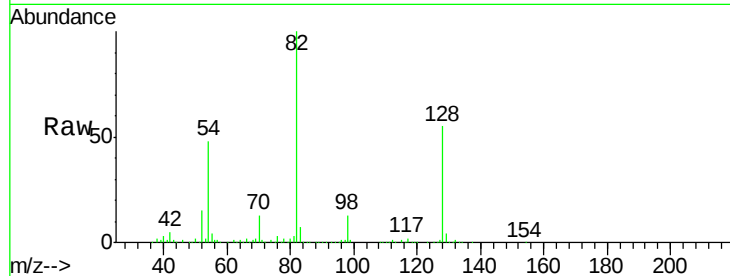




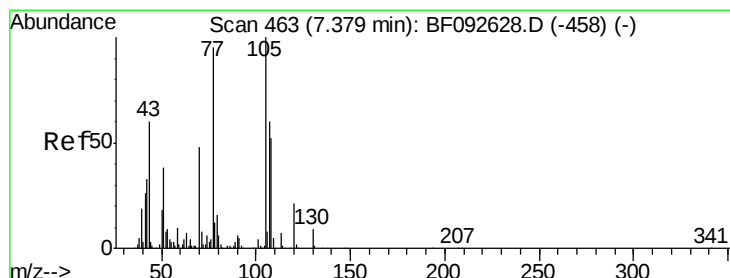
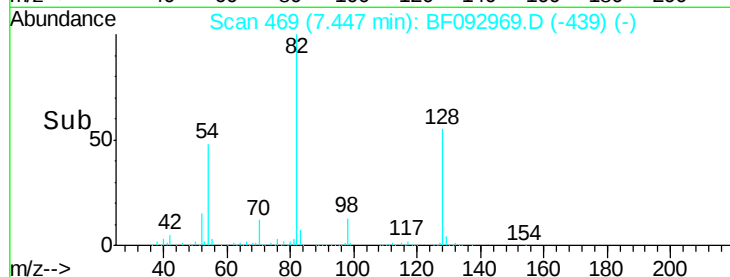
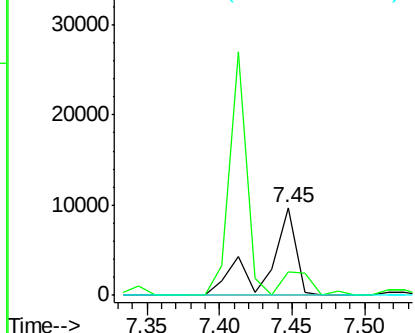
#18
Hexachloroethane
Concen: 3.29 ng
RT: 7.45 min Scan# 469
Delta R.T. 0.05 min
Lab File: BF092969.D
Acq: 15 Feb 2017 23:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 13219
Ion Ratio Lower Upper
117 100
119 27.2 78.1 117.1#
201 0.0 78.6 117.8#

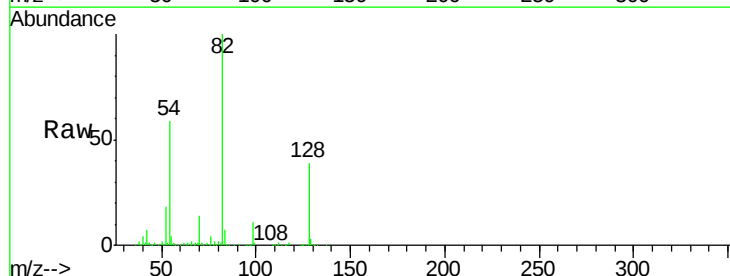


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

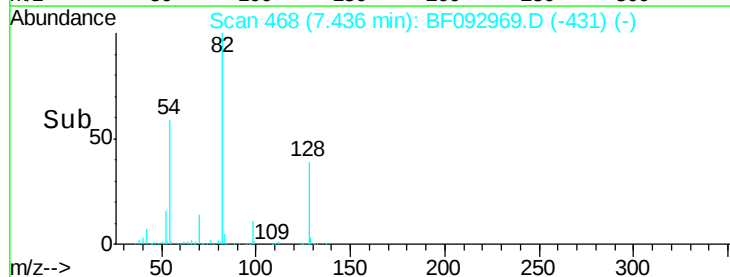
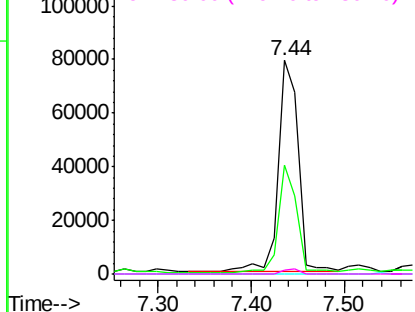


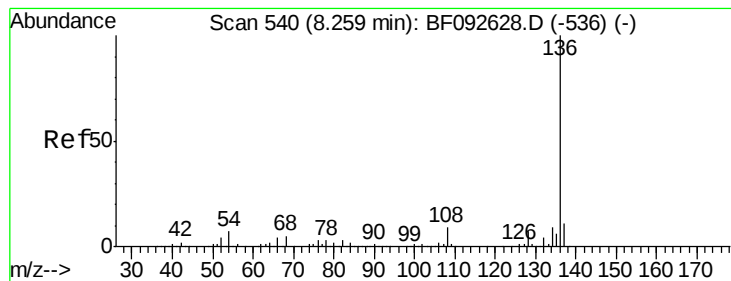
#19
n-Nitroso-di-n-propylamine
Concen: 16.12 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.13 min
Lab File: BF092969.D
Acq: 15 Feb 2017 23:37

Tgt Ion: 70 Resp: 118945
Ion Ratio Lower Upper
70 100
42 51.1 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF092969.D

Acq: 15 Feb 2017 23:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 605243

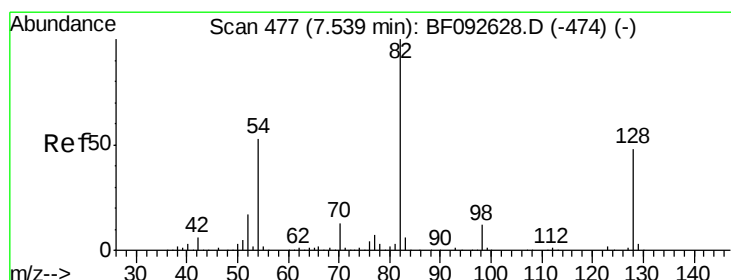
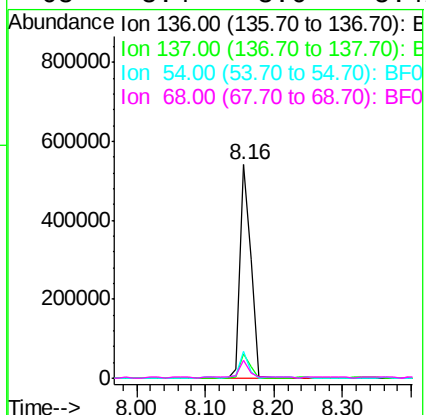
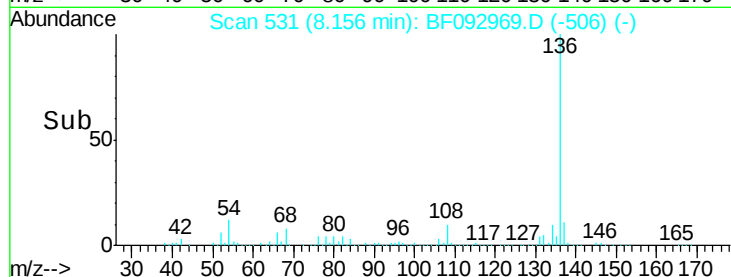
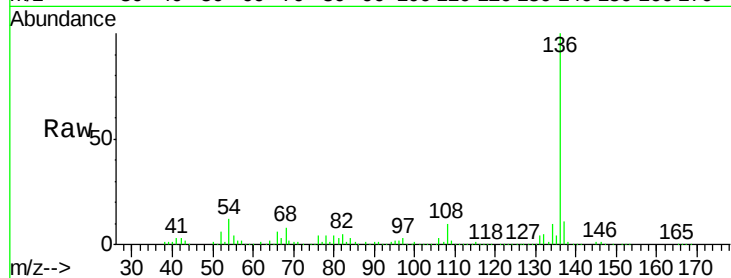
Ion Ratio Lower Upper

136 100

137 11.4 8.4 12.6

54 12.5 4.5 6.7#

68 8.4 3.6 5.4#



#23

Nitrobenzene-d5

Concen: 74.95 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF092969.D

Acq: 15 Feb 2017 23:37

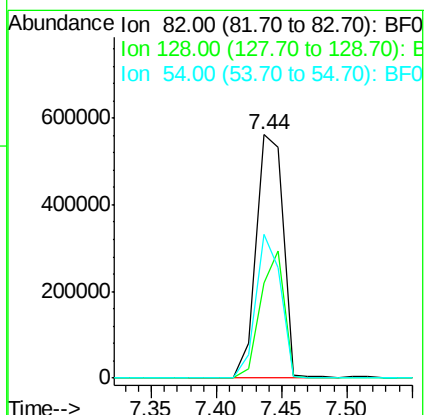
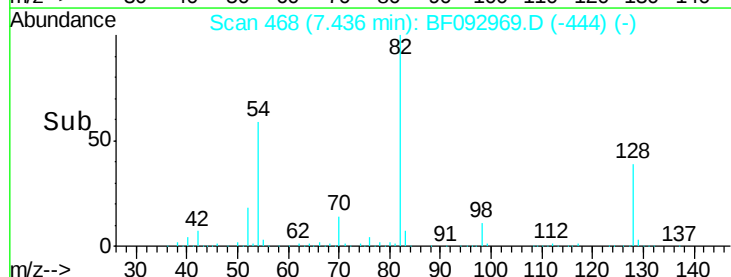
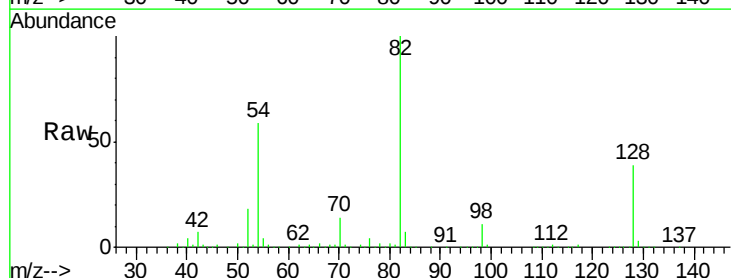
Tgt Ion: 82 Resp: 814619

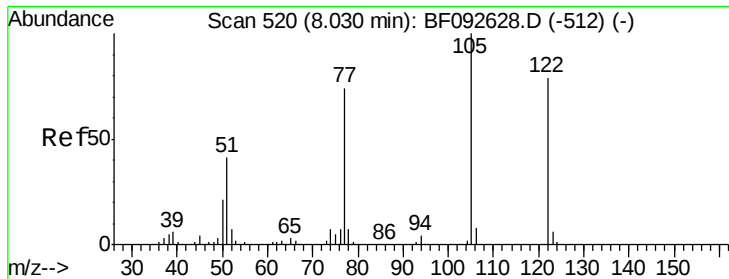
Ion Ratio Lower Upper

82 100

128 39.0 34.6 52.0

54 59.1 39.5 59.3

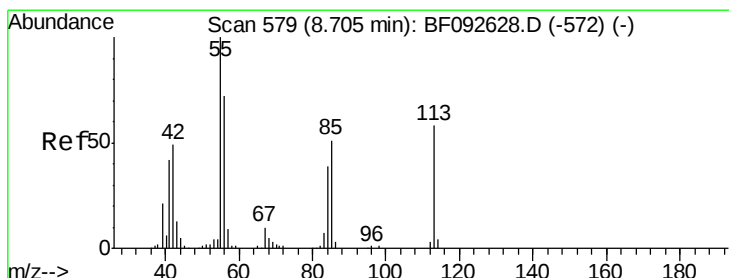
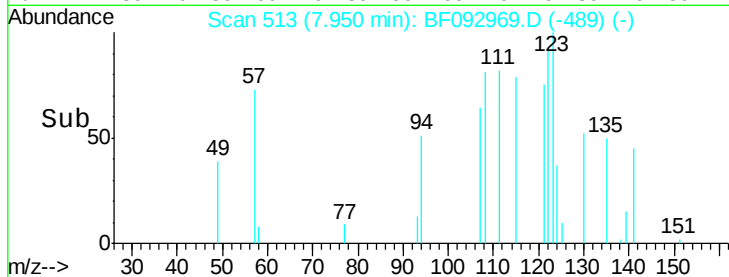
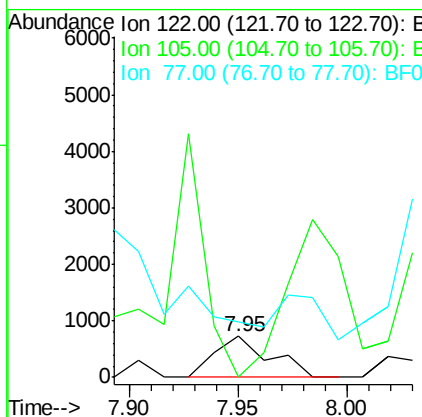
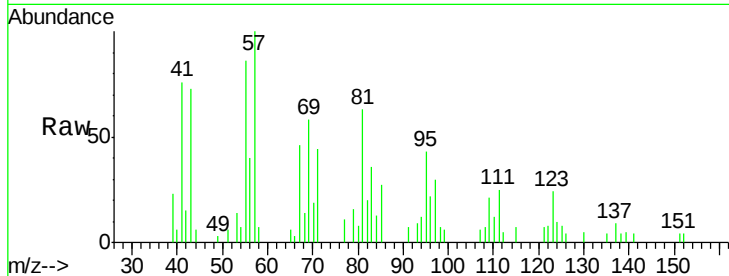




#32
Benzoic acid
Concen: 7.37 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF092969.D
Acq: 15 Feb 2017 23:37

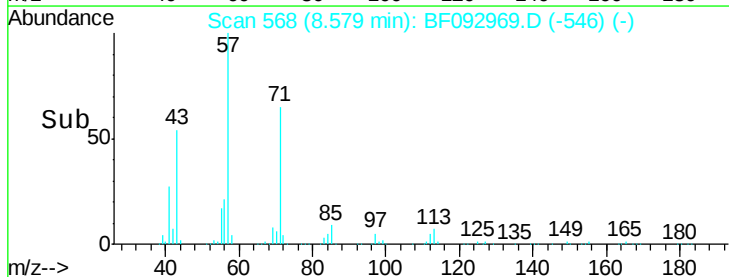
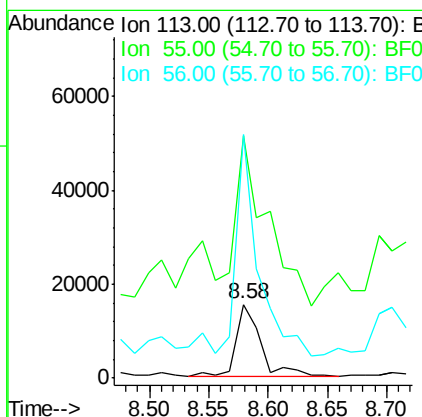
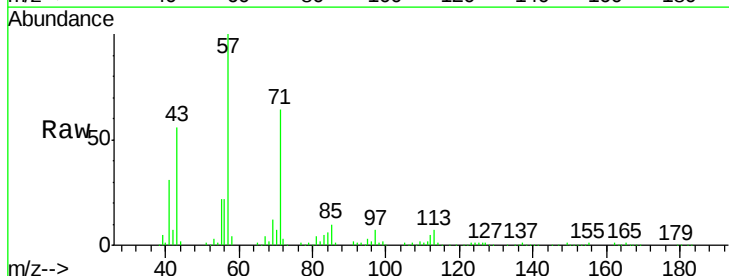
Instrument :
BNA_F
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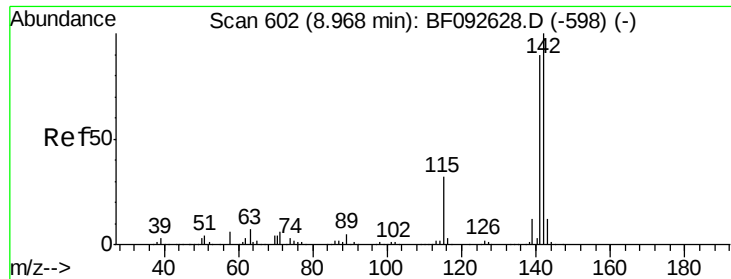
Tot Ion:122 Resp: 1276
Ion Ratio Lower Upper
122 100
105 0.0 107.2 147.2#
77 134.8 74.5 114.5#



#35
Caprolactam
Concen: 7.77 ng
RT: 8.58 min Scan# 568
Delta R.T. -0.05 min
Lab File: BF092969.D
Acq: 15 Feb 2017 23:37

Tgt Ion:113 Resp: 21240
Ion Ratio Lower Upper
113 100
55 330.5 119.2 159.2#
56 331.3 83.8 123.8#

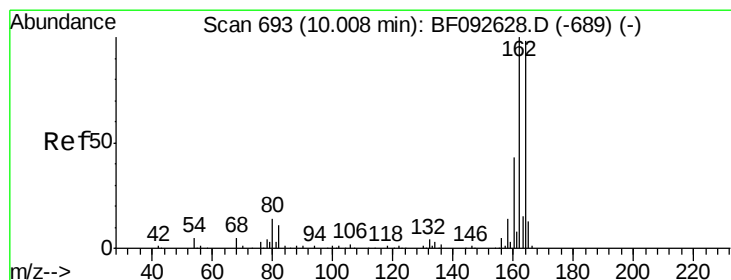
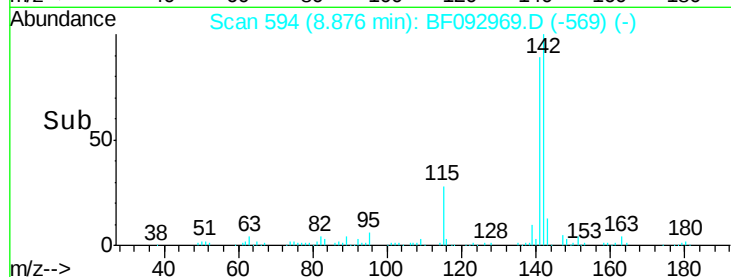
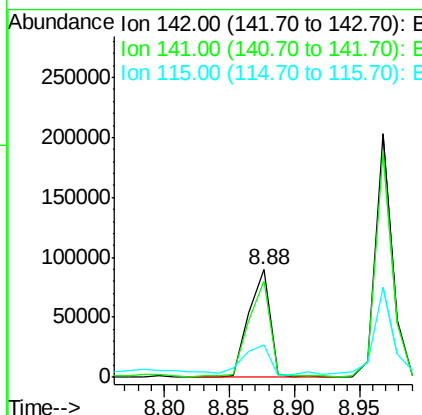
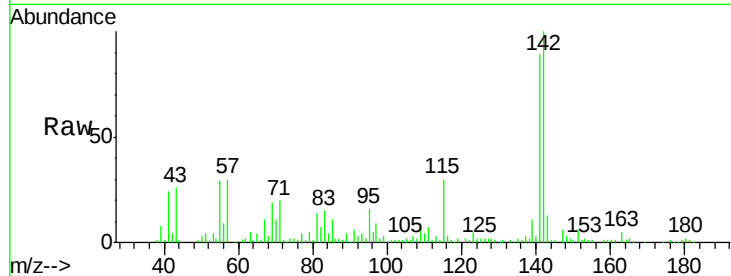




#37
 2-Methylnaphthalene
 Concen: 5.26 ng
 RT: 8.88 min Scan# 594
 Delta R.T. -0.01 min
 Lab File: BF092969.D
 Acq: 15 Feb 2017 23:37

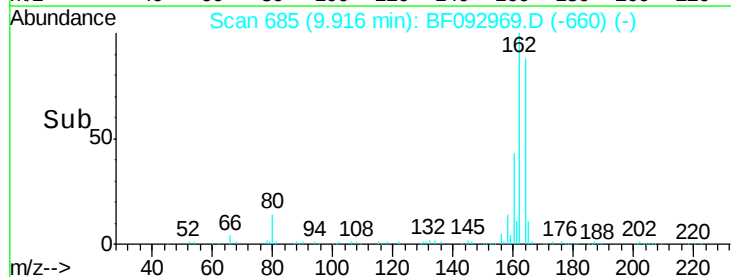
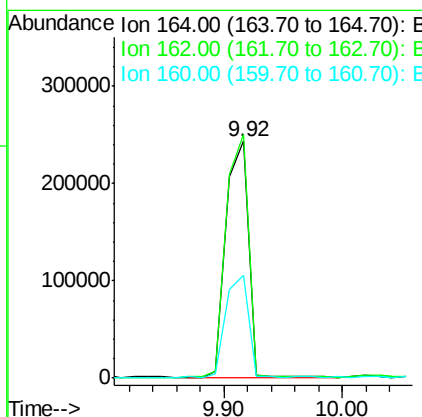
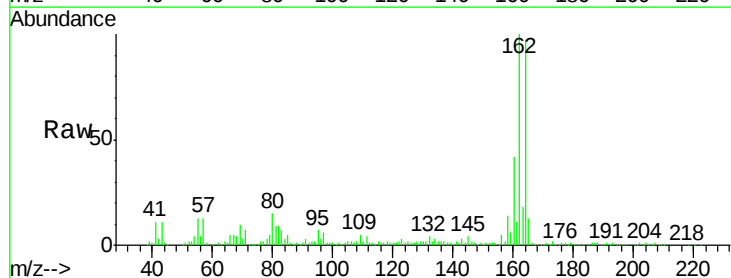
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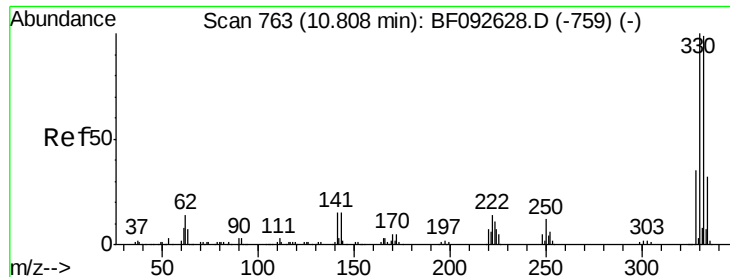
Tot Ion:142 Resp: 103691
 Ion Ratio Lower Upper
 142 100
 141 89.5 71.0 106.6
 115 29.6 28.3 42.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.01 min
 Lab File: BF092969.D
 Acq: 15 Feb 2017 23:37

Tgt Ion:164 Resp: 317478
 Ion Ratio Lower Upper
 164 100
 162 102.8 80.2 120.2
 160 43.6 36.9 55.3

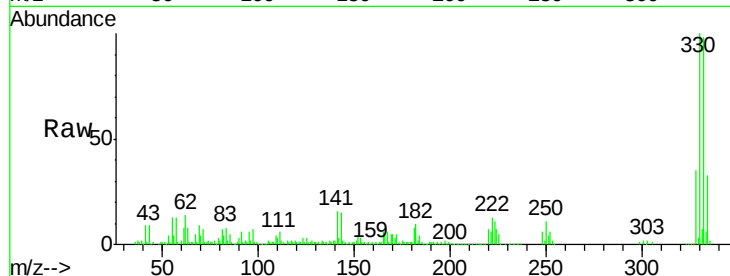




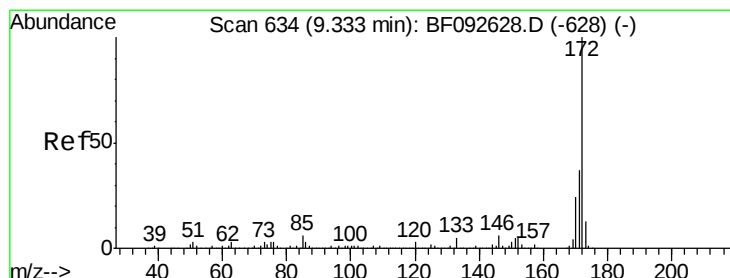
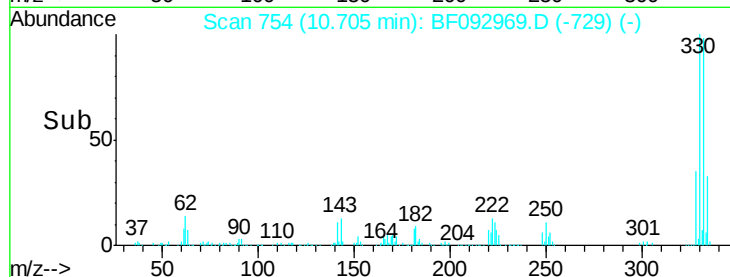
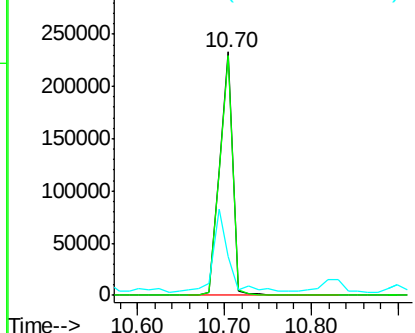
#41
 2,4,6-Tribromophenol
 Concen: 109.30 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF092969.D
 Acq: 15 Feb 2017 23:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.4	116.2
141	36.6	34.1	51.1

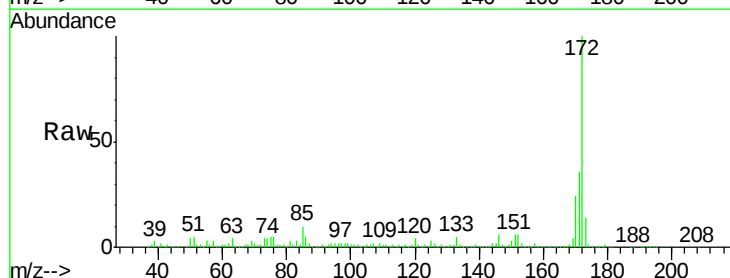


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

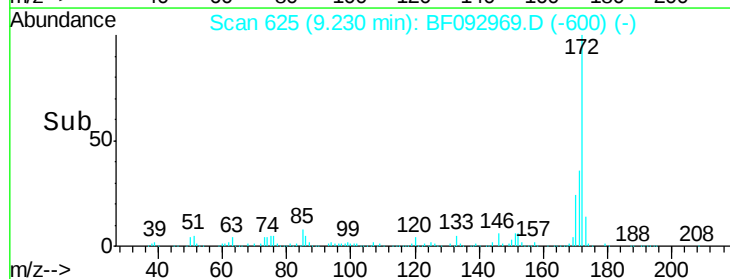
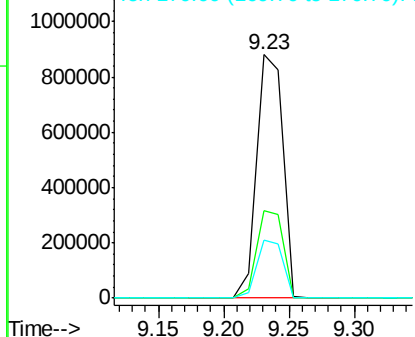


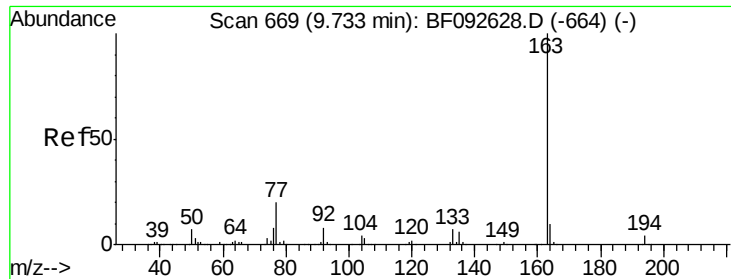
#44
 2-Fluorobiphenyl
 Concen: 70.99 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF092969.D
 Acq: 15 Feb 2017 23:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.4	44.0
170	24.0	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: 10.74 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.02 min

Lab File: BF092969.D

Acq: 15 Feb 2017 23:37

Instrument :

BNA_F

ClientSampleId :

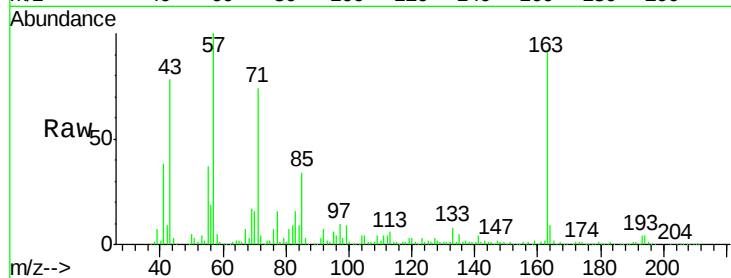
Tot Ion:163 Resp: 229739

Ion Ratio Lower Upper

163 100

194 4.4 3.0 4.4

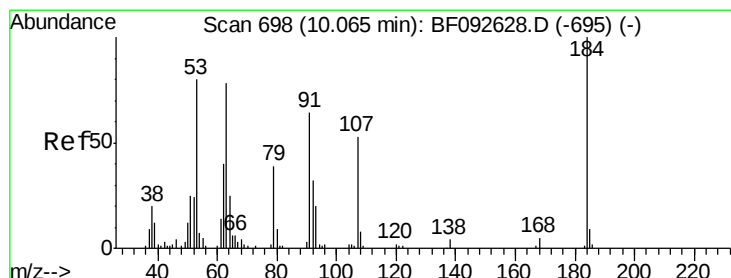
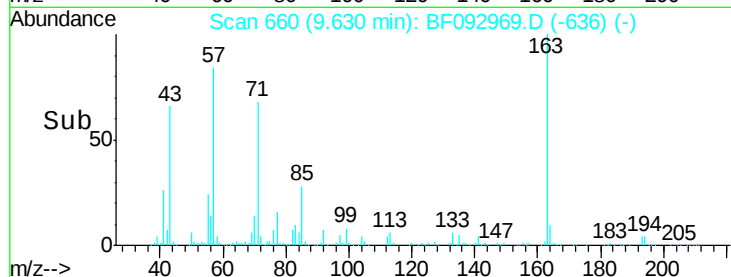
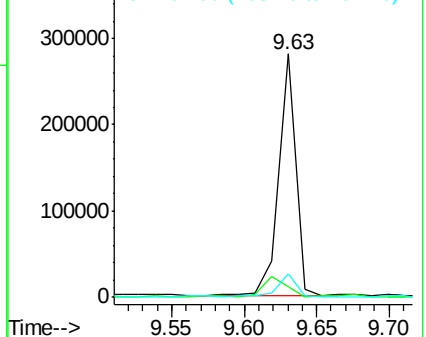
164 9.9 8.0 12.0



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



#53

2,4-Dinitrophenol

Concen: 4.82 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.05 min

Lab File: BF092969.D

Acq: 15 Feb 2017 23:37

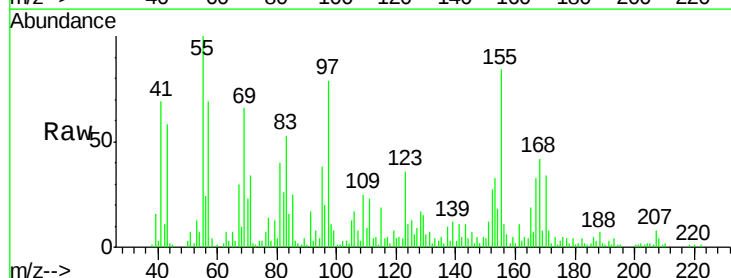
Tgt Ion:184 Resp: 208

Ion Ratio Lower Upper

184 100

63 1253.9 28.4 42.6#

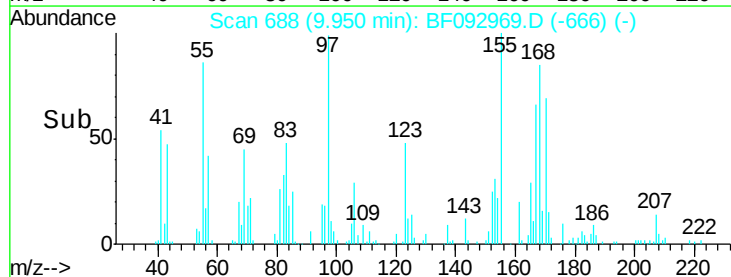
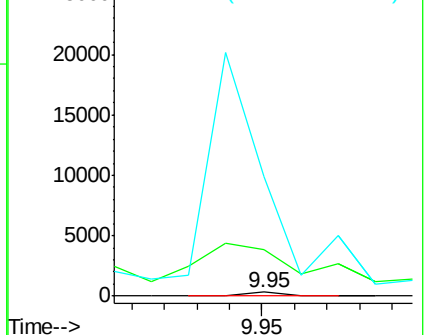
154 3246.7 44.3 66.5#

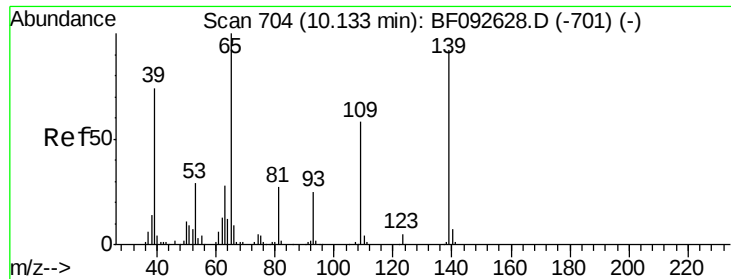


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

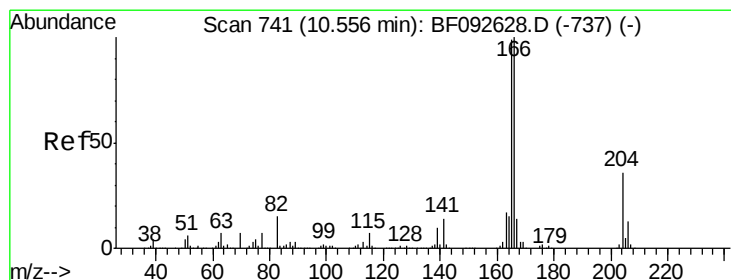
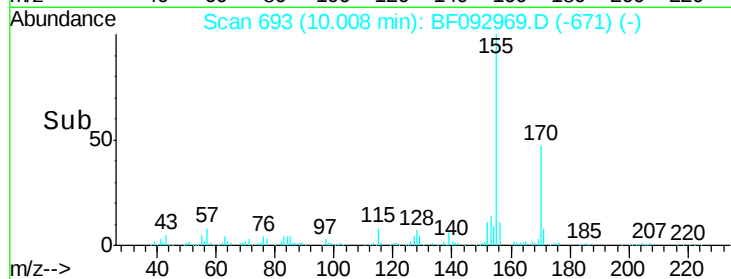
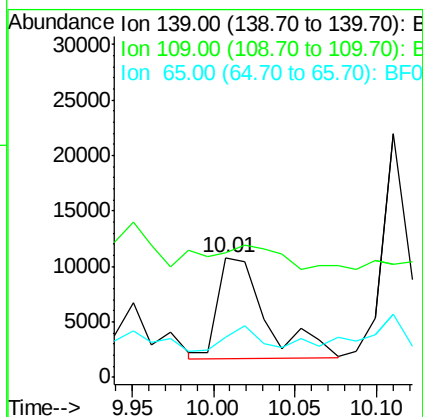
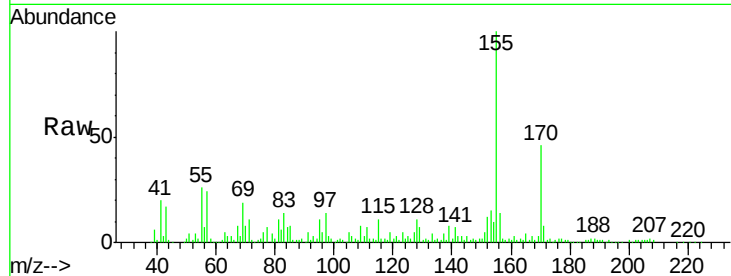




#55
4-Nitrophenol
Concen: 4.91 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.05 min
Lab File: BF092969.D
Acq: 15 Feb 2017 23:37

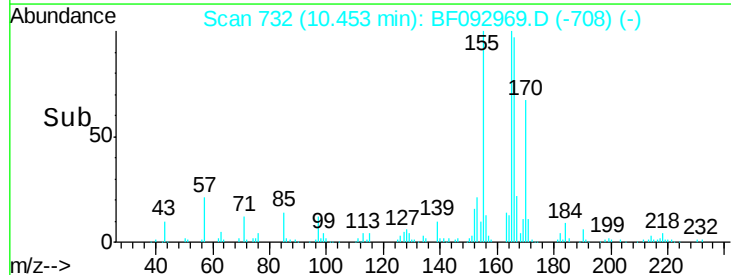
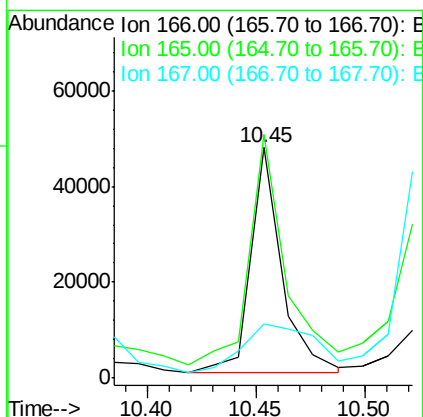
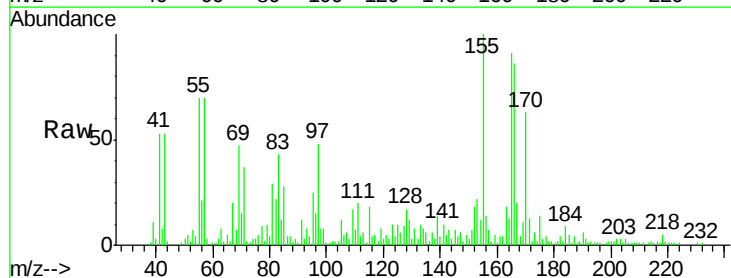
Instrument :
BNA_F
ClientSampled :

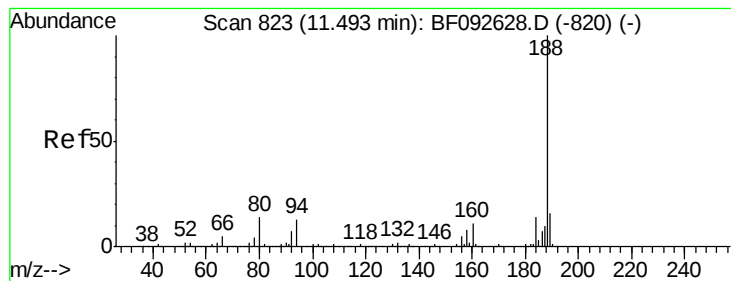
Tot Ion:139 Resp: 18706
Ion Ratio Lower Upper
139 100
109 104.7 52.2 92.2#
65 34.1 85.8 125.8#



#57
Fluorene
Concen: 2.44 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.02 min
Lab File: BF092969.D
Acq: 15 Feb 2017 23:37

Tgt Ion:166 Resp: 46568
Ion Ratio Lower Upper
166 100
165 105.6 77.8 116.8
167 23.6 10.8 16.2#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF092969.D

Acq: 15 Feb 2017 23:37

Instrument :

BNA_F

ClientSampleId :

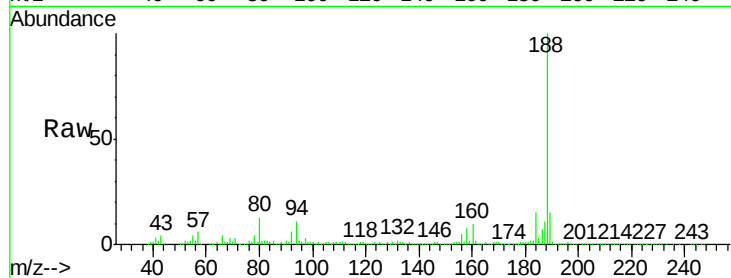
Tot Ion:188 Resp: 489236

Ion Ratio Lower Upper

188 100

94 11.4 10.0 15.0

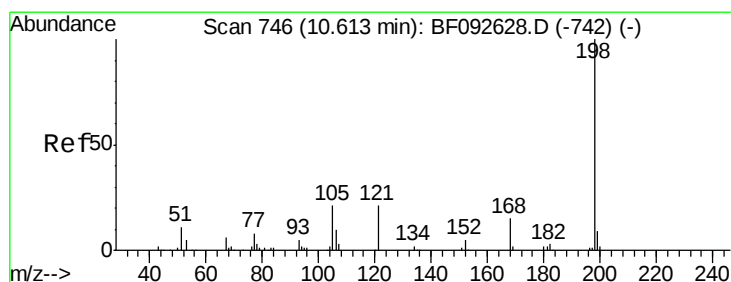
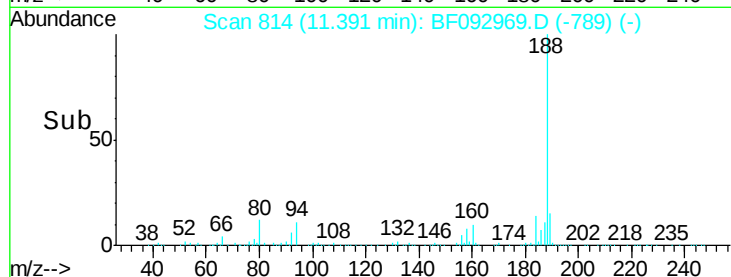
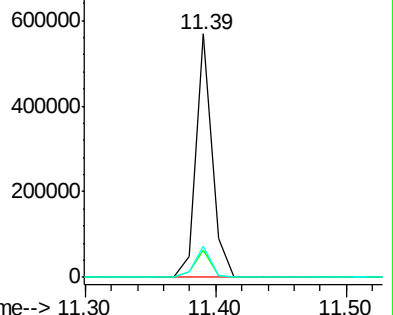
80 12.6 11.2 16.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 3.11 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF092969.D

Acq: 15 Feb 2017 23:37

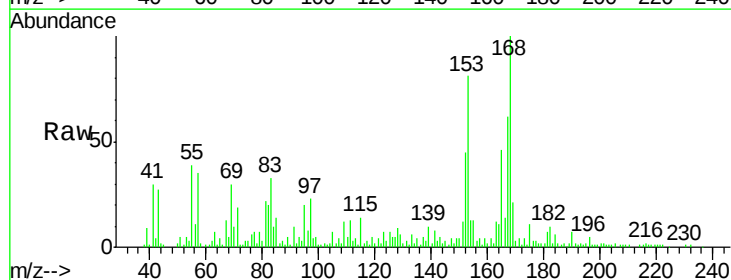
Tgt Ion:198 Resp: 1386

Ion Ratio Lower Upper

198 100

51 523.5 6.7 46.7#

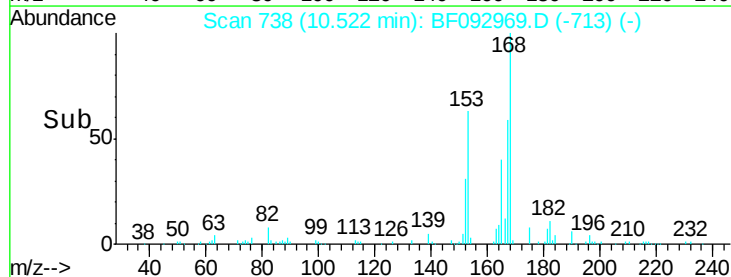
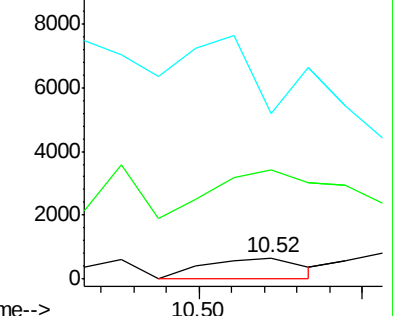
105 791.3 16.6 56.6#

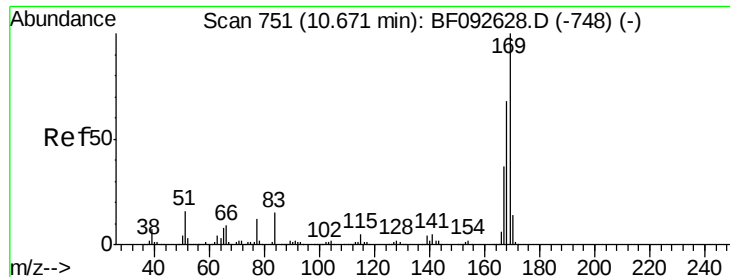


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 6.22 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF092969.D

Acq: 15 Feb 2017 23:37

Instrument :

BNA_F

ClientSampled :

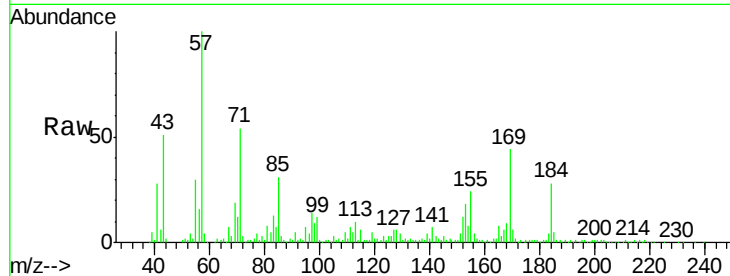
Tot Ion:169 Resp: 97166

Ion Ratio Lower Upper

169 100

168 20.9 54.2 81.2#

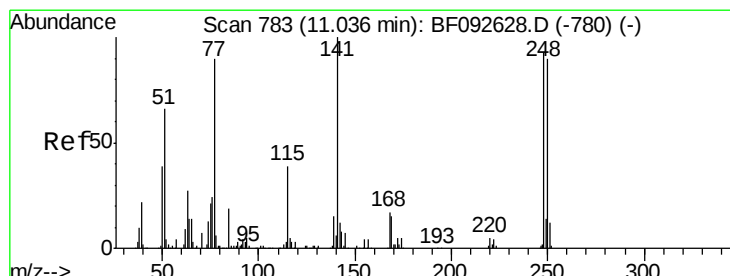
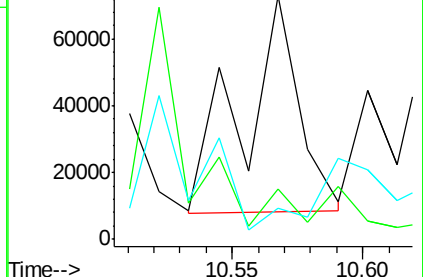
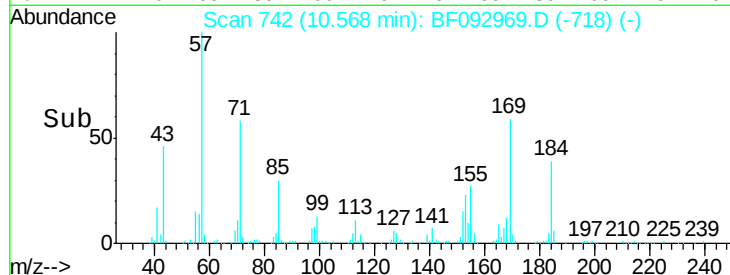
167 13.0 30.2 45.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.45 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.25 min

Lab File: BF092969.D

Acq: 15 Feb 2017 23:37

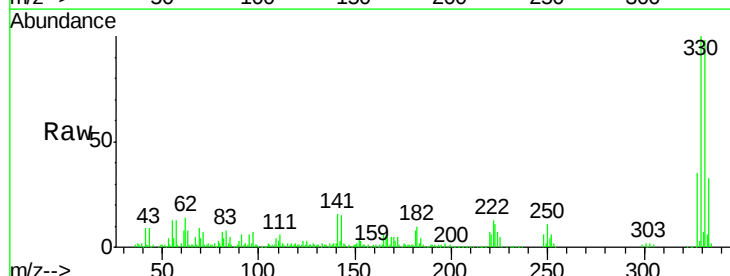
Tgt Ion:248 Resp: 17648

Ion Ratio Lower Upper

248 100

250 203.6 76.9 115.3#

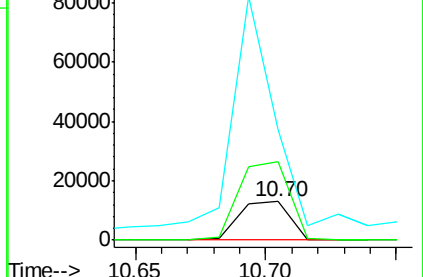
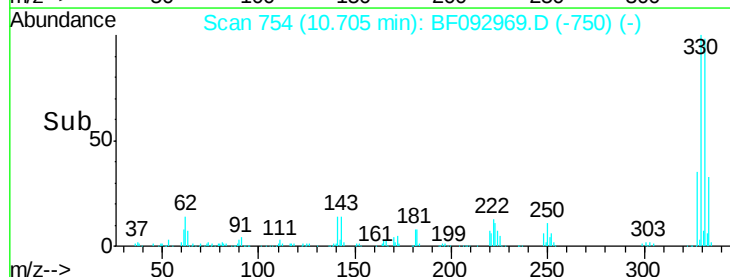
141 287.8 68.2 102.4#

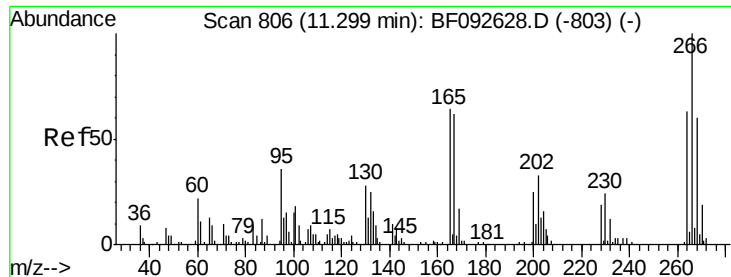


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

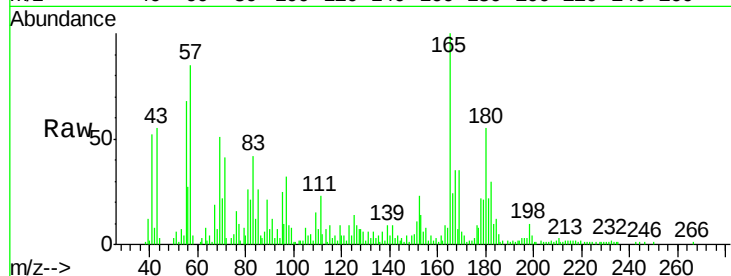




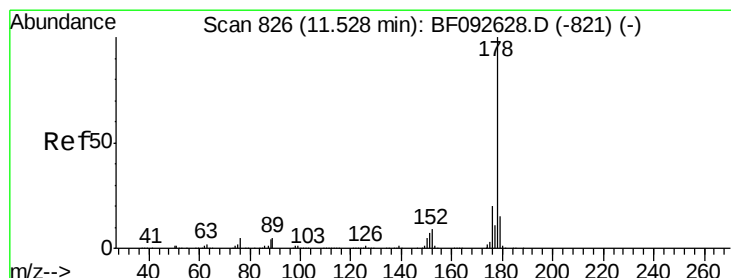
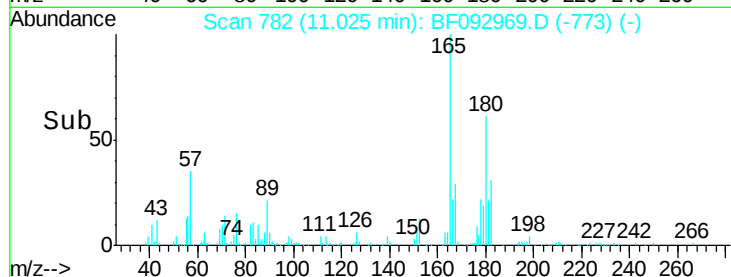
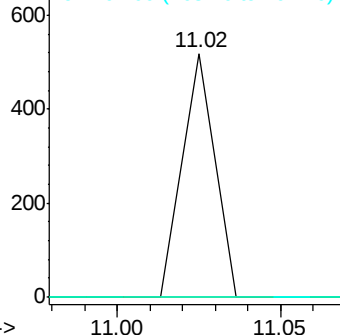
#69
 Pentachlorophenol
 Concen: 7.33 ng
 RT: 11.02 min Scan# 782
 Delta R.T. -0.19 min
 Lab File: BF092969.D
 Acq: 15 Feb 2017 23:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 355
 Ion Ratio Lower Upper
 266 100
 268 0.0 53.3 79.9#
 264 0.0 50.3 75.5#

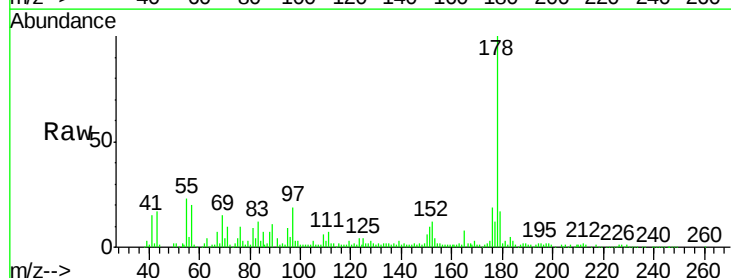


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

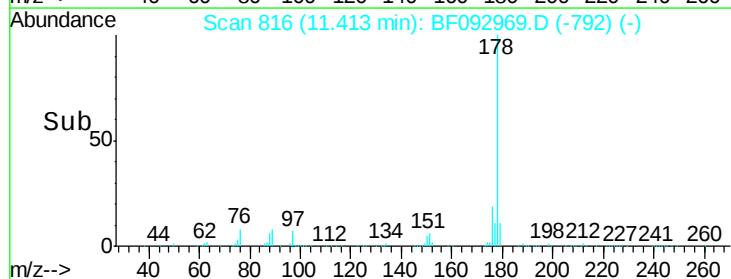
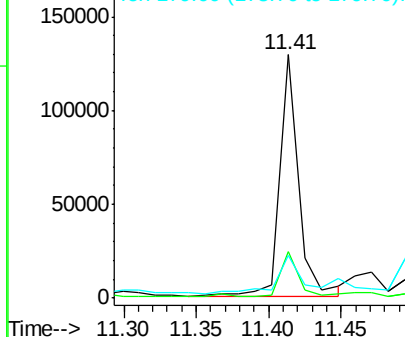


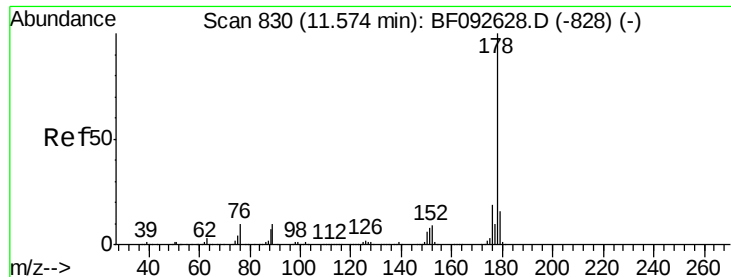
#70
 Phenanthrene
 Concen: 4.11 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BF092969.D
 Acq: 15 Feb 2017 23:37

Tgt Ion:178 Resp: 115112
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.6 25.0
 179 17.4 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

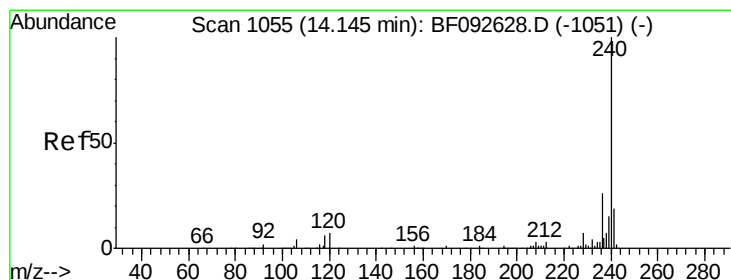
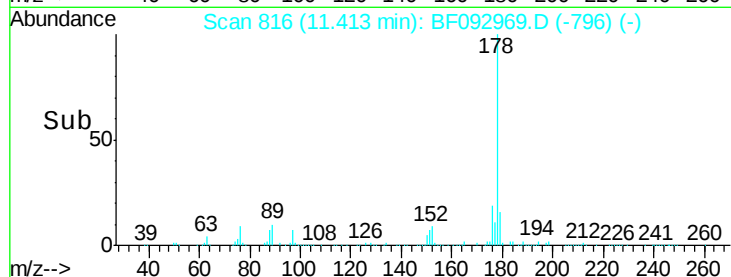
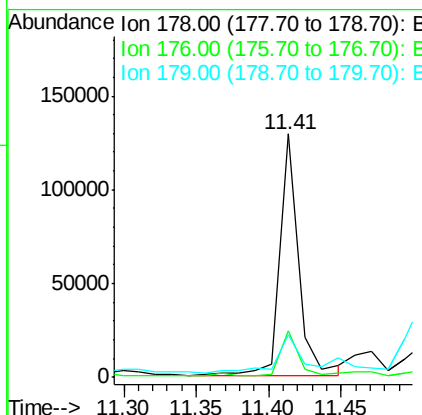
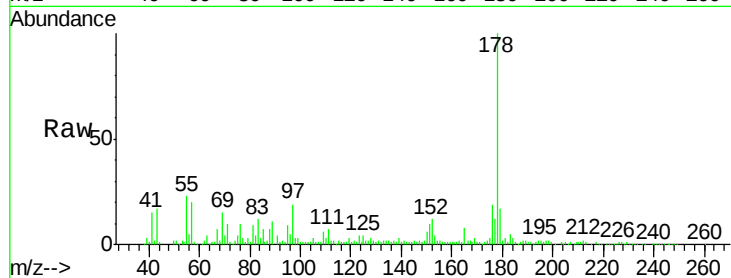




#71
 Anthracene
 Concen: 4.09 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.07 min
 Lab File: BF092969.D
 Acq: 15 Feb 2017 23:37

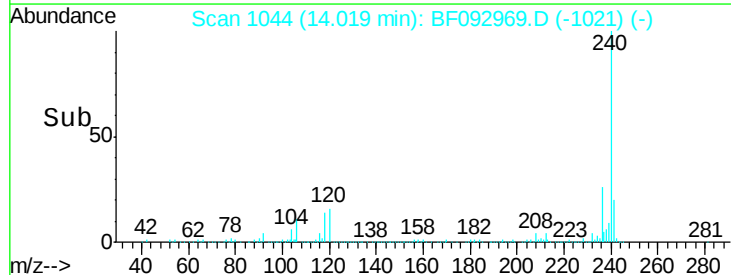
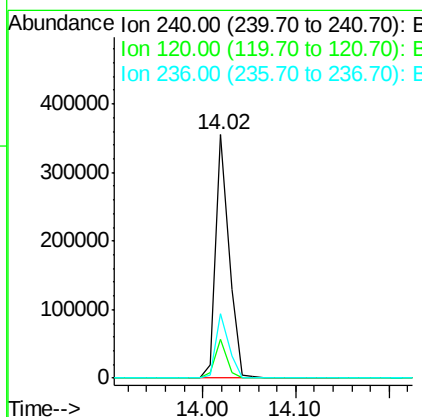
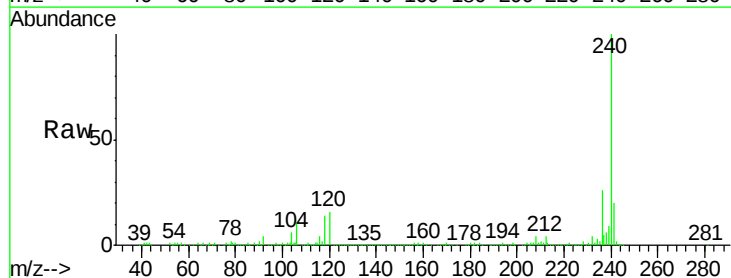
Instrument :
 BNA_F
 ClientSampleId :

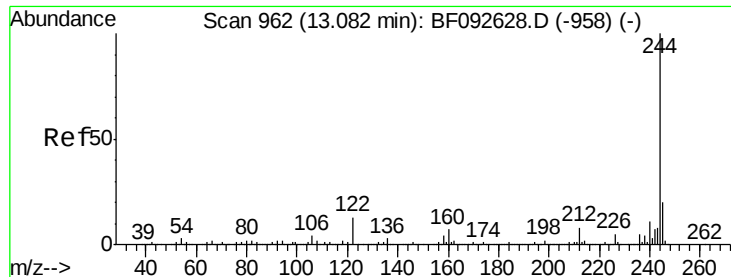
Tot Ion:178 Resp: 115112
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.9 23.9
 179 17.4 13.2 19.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. -0.03 min
 Lab File: BF092969.D
 Acq: 15 Feb 2017 23:37

Tgt Ion:240 Resp: 353541
 Ion Ratio Lower Upper
 240 100
 120 15.7 12.9 19.3
 236 26.3 20.9 31.3





#78

Terphenyl-d14

Concen: 69.94 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF092969.D

Acq: 15 Feb 2017 23:37

Instrument :

BNA_F

ClientSampled :

Tot Ion:244 Resp: 1052339

Ion Ratio Lower Upper

244 100

212 6.6

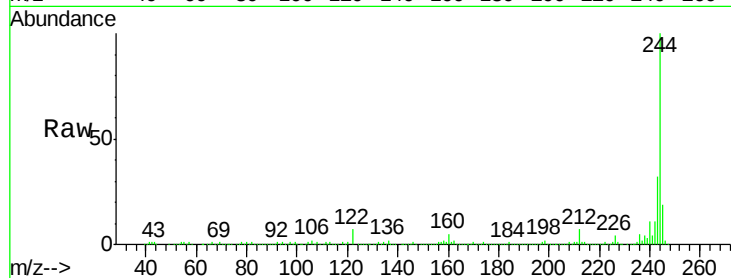
6.2

9.2

122 7.0

11.4

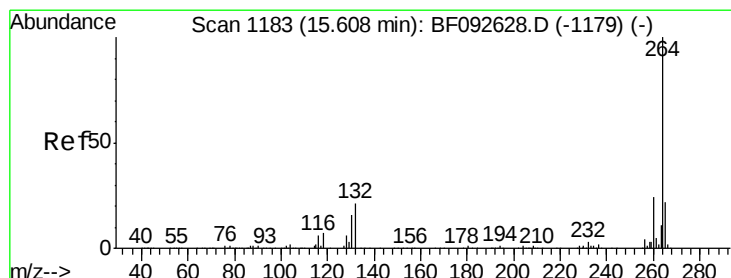
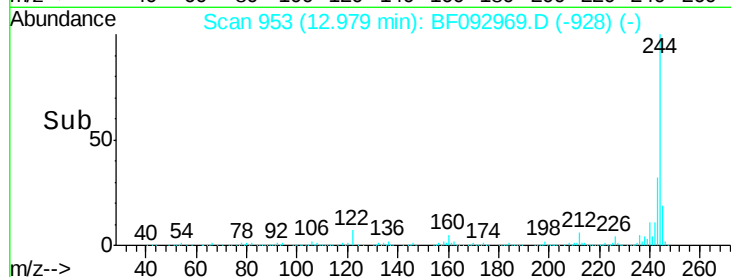
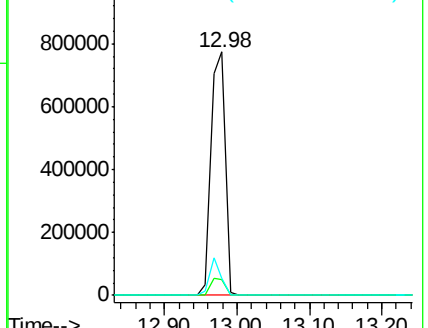
17.2#



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: 15.46 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF092969.D

Acq: 15 Feb 2017 23:37

Tgt Ion:264 Resp: 311648

Ion Ratio Lower Upper

264 100

260 24.1

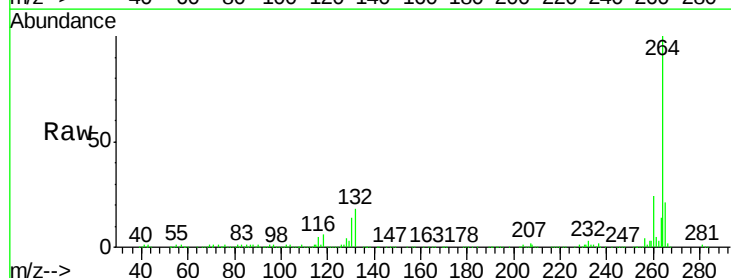
19.2

28.8

265 21.5

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

