

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020617\
 Data File : BF092812.D
 Acq On : 6 Feb 2017 22:49
 Operator : SJ/MA
 Sample : I1692-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-20-41-COMP

Quant Time: Feb 07 01:13:53 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	148125	20.00	ng	-0.06
21) Naphthalene-d8	8.20	136	567520	20.00	ng	-0.06
38) Acenaphthene-d10	9.95	164	306905	20.00	ng	-0.06
63) Phenanthrene-d10	11.44	188	452105	20.00	ng	-0.06
75) Chrysene-d12	14.08	240	339664	20.00	ng	-0.07
86) Perylene-d12	15.53	264	299574	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1253068	145.13	ng	-0.04
7) Phenol-d6	6.56	99	1482263	133.43	ng	-0.05
23) Nitrobenzene-d5	7.48	82	1064768	104.48	ng	-0.06
41) 2,4,6-Tribromophenol	10.75	330	326831	147.24	ng	-0.06
44) 2-Fluorobiphenyl	9.28	172	1561940	92.20	ng	-0.06
78) Terphenyl-d14	13.03	244	1040313	71.96	ng	-0.06

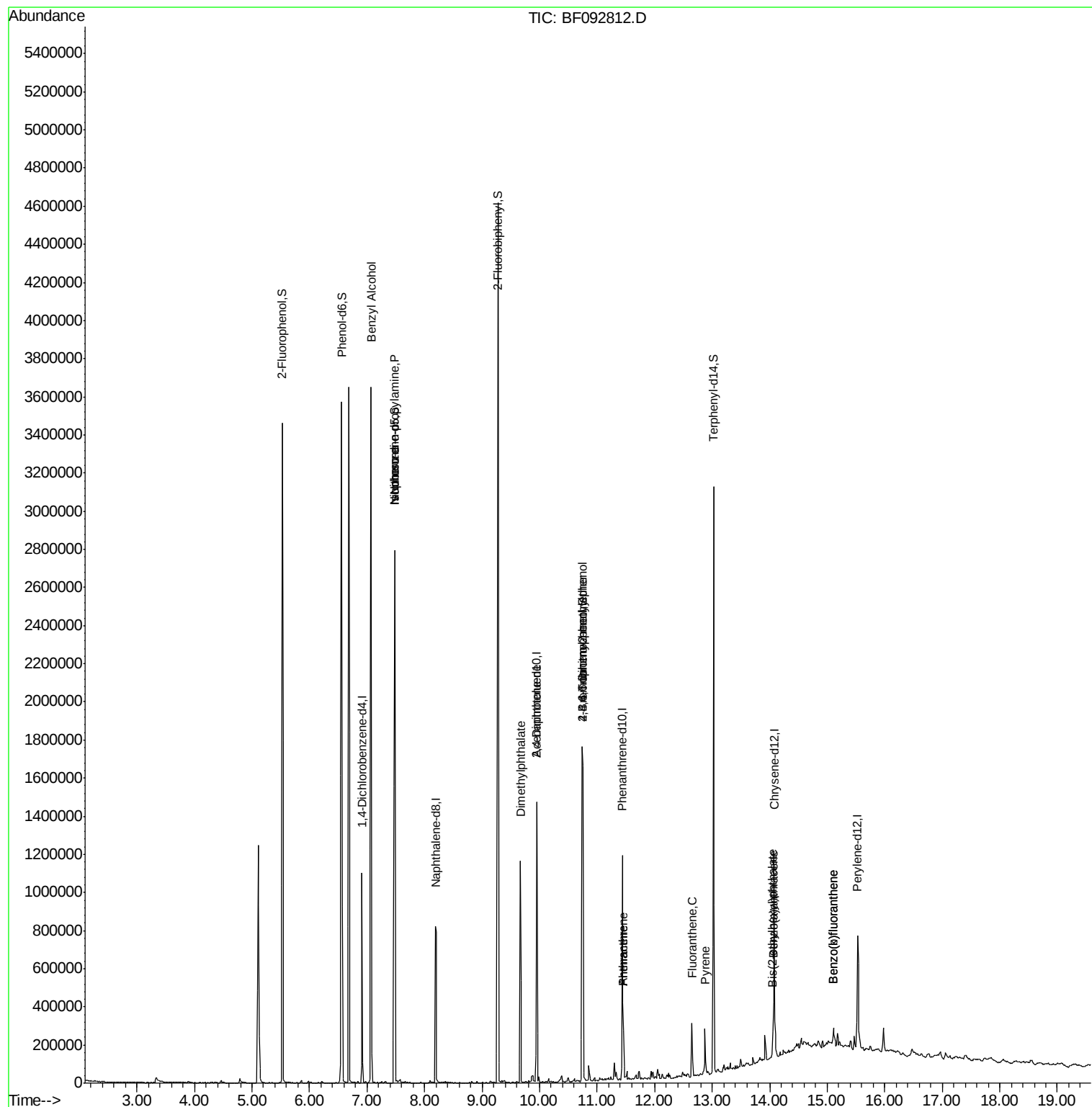
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.07	79	16768	2.04	ng	# 31
19) n-Nitroso-di-n-propylamine	7.48	70	144228	20.40	ng	# 79
25) Isophorone	7.48	82	1010494	53.21	ng	# 65
49) Dimethylphthalate	9.66	163	579797	28.05	ng	99
56) 2,4-Dinitrotoluene	9.95	165	40677	6.84	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.74	198	684	2.90	ng	# 1
66) 4-Bromophenyl-phenylether	10.75	248	23713	5.02	ng	# 1
70) Phenanthrene	11.46	178	93814	3.62	ng	98
71) Anthracene	11.46	178	93814	3.61	ng	99
74) Fluoranthene	12.65	202	111515	4.17	ng	96
77) Pyrene	12.88	202	99027	3.90	ng	98
80) Benzo(a)anthracene	14.07	228	53440	2.57	ng	97
83) Bis(2-ethylhexyl)phthalate	14.05	149	33001	2.34	ng	99
87) Benzo(b)fluoranthene	15.11	252	63278	3.21	ng	# 92
88) Benzo(k)fluoranthene	15.11	252	63278	3.72	ng	# 92

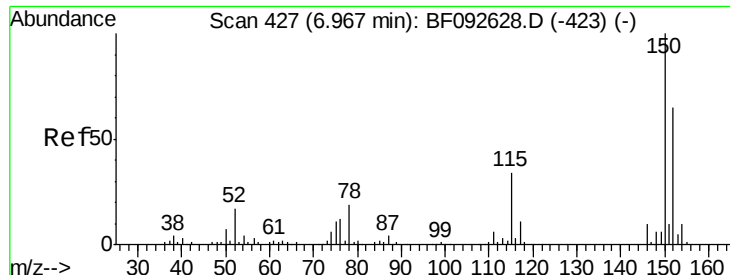
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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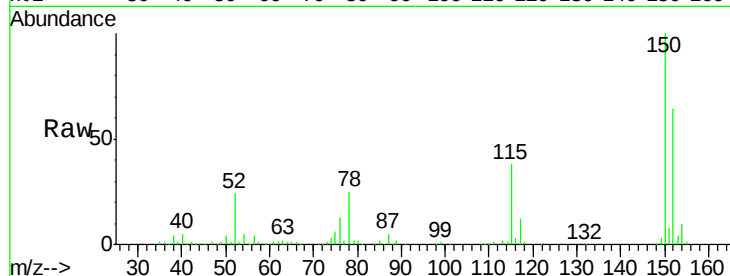




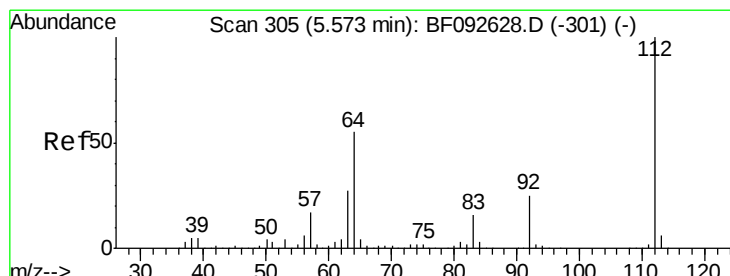
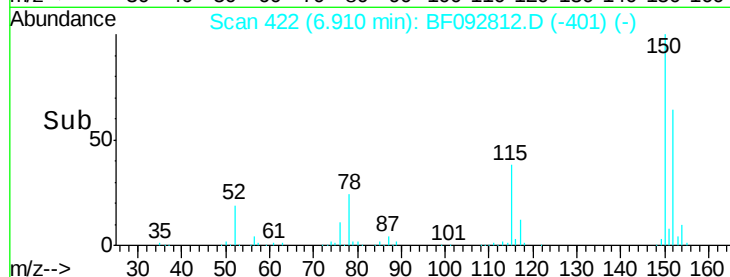
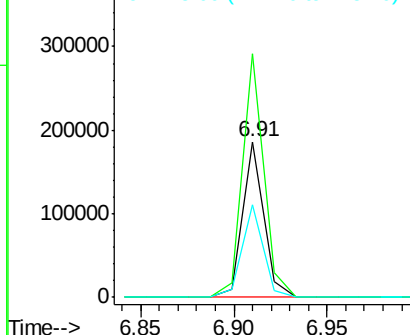
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.91 min Scan# 422
 Delta R.T. -0.06 min
 Lab File: BF092812.D
 Acq: 6 Feb 2017 22:49

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-20-41-COMP

Tgt Ion:152 Resp: 148125
 Ion Ratio Lower Upper
 152 100
 150 156.6 124.9 187.3
 115 59.8 46.0 69.0

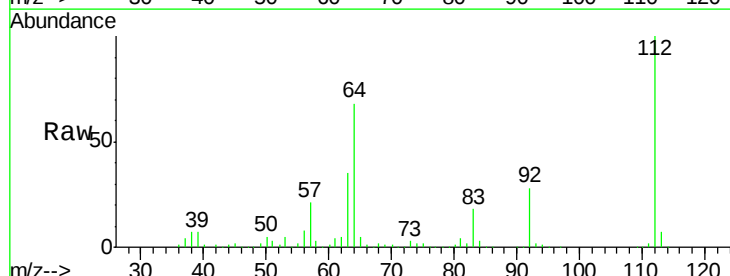


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

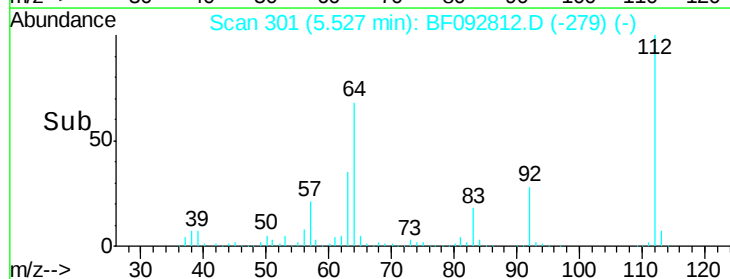
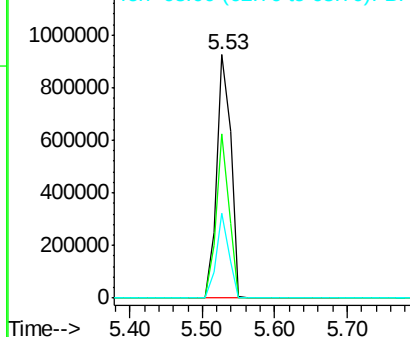


#5
 2-Fluorophenol
 Concen: 145.13 ng
 RT: 5.53 min Scan# 301
 Delta R.T. -0.04 min
 Lab File: BF092812.D
 Acq: 6 Feb 2017 22:49

Tgt Ion:112 Resp: 1253068
 Ion Ratio Lower Upper
 112 100
 64 67.6 46.1 69.1
 63 34.6 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: 133.43 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.05 min

Lab File: BF092812.D

Acq: 6 Feb 2017 22:49

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-20-41-COMP

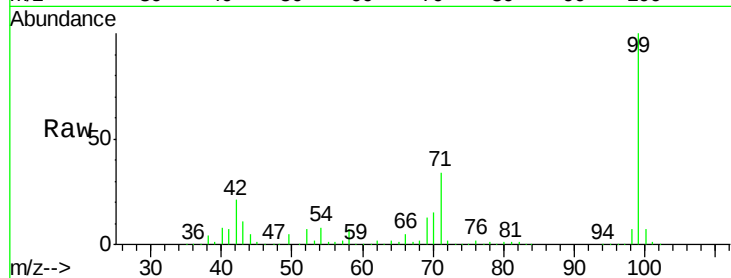
Tgt Ion: 99 Resp: 1482263

Ion Ratio Lower Upper

99 100

42 21.1 15.6 23.4

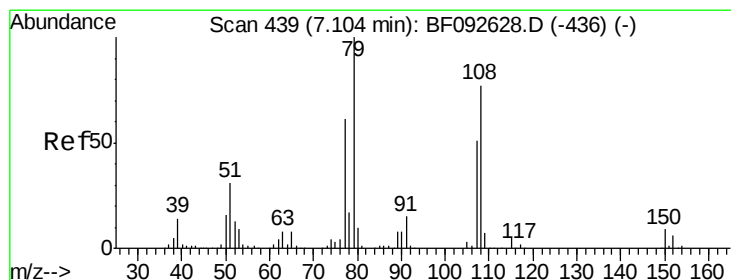
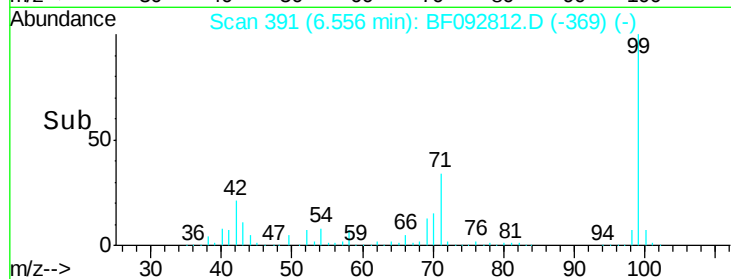
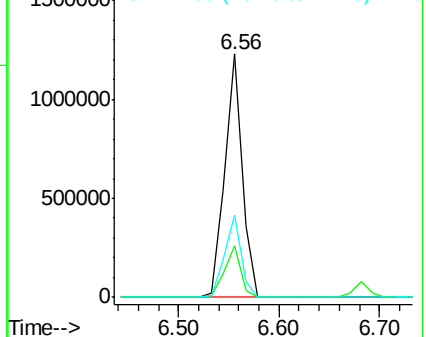
71 33.8 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 7.07 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF092812.D

Acq: 6 Feb 2017 22:49

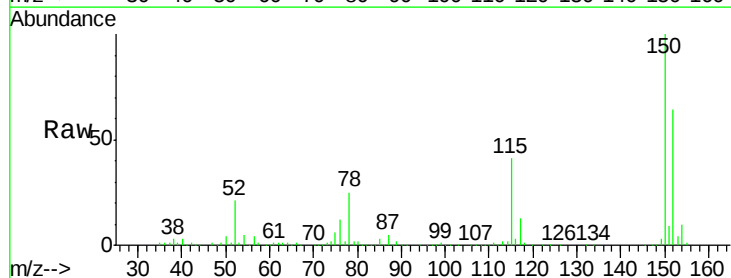
Tgt Ion: 79 Resp: 16768

Ion Ratio Lower Upper

79 100

108 29.8 61.4 92.0#

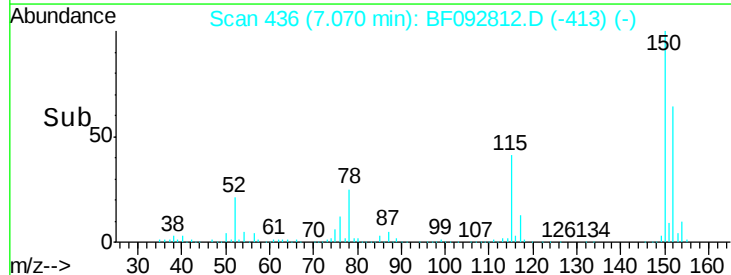
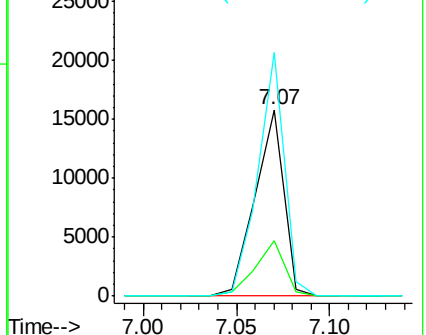
77 130.7 50.9 76.3#

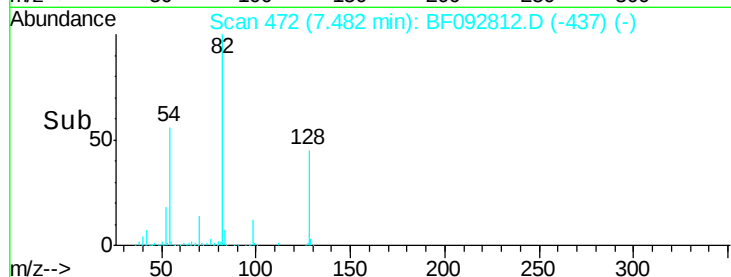
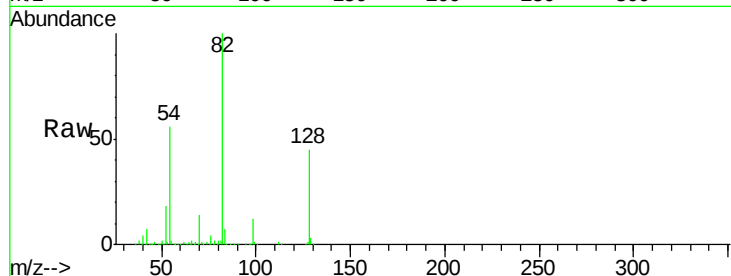
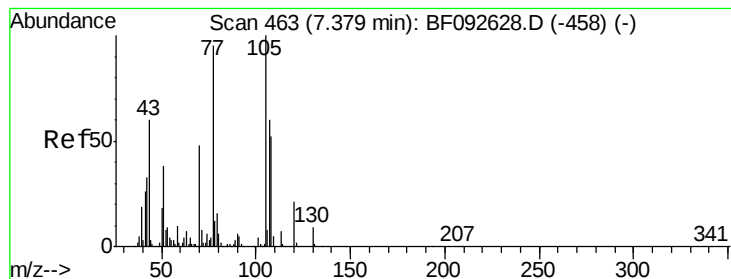


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 20.40 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.10 min

Lab File: BF092812.D

Acq: 6 Feb 2017 22:49

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-20-41-COMP

Tgt Ion: 70 Resp: 144228

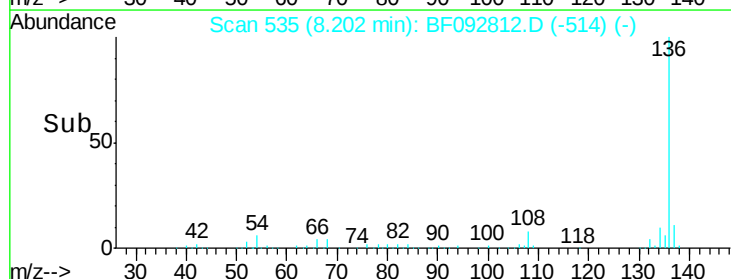
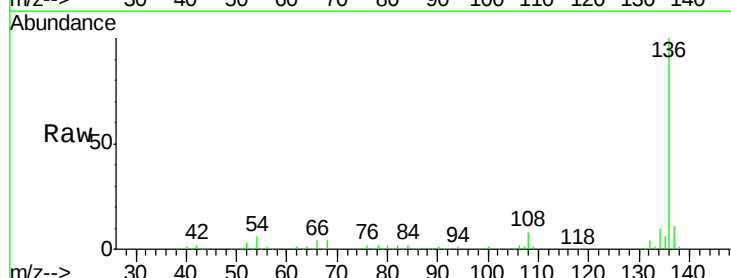
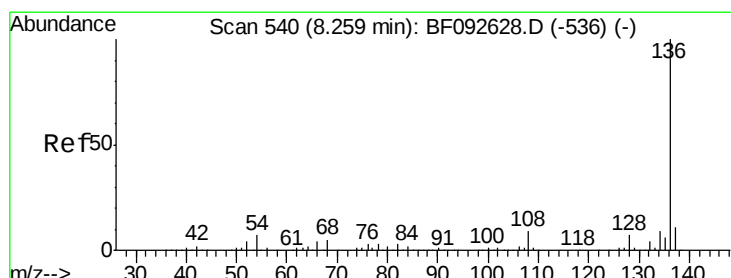
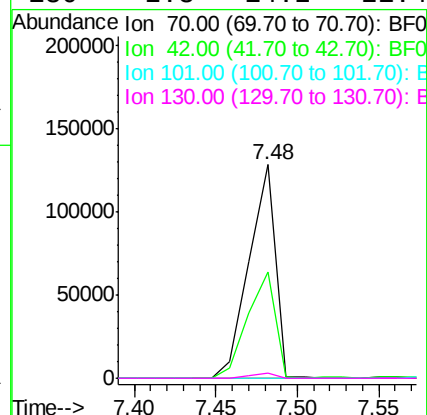
Ion Ratio Lower Upper

70 100

42 49.8 49.4 74.0

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.06 min

Lab File: BF092812.D

Acq: 6 Feb 2017 22:49

Tgt Ion: 136 Resp: 567520

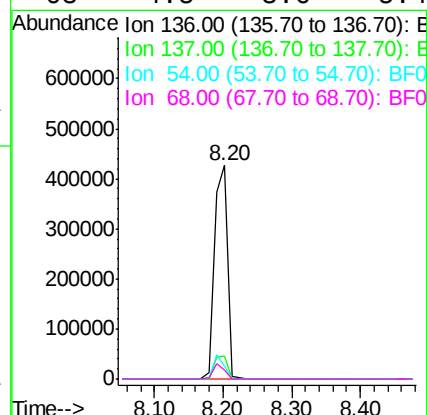
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 6.3 4.5 6.7

68 4.5 3.6 5.4

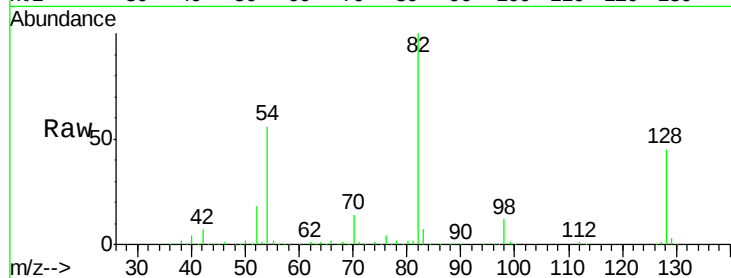




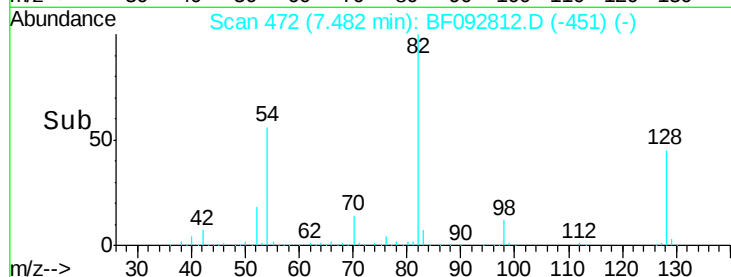
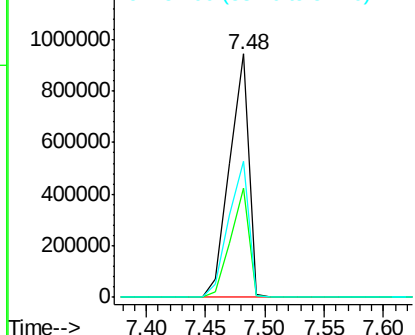
#23
 Nitrobenzene-d5
 Concen: 104.48 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.06 min
 Lab File: BF092812.D
 Acq: 6 Feb 2017 22:49

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-20-41-COMP

Tgt Ion: 82 Resp: 1064768
 Ion Ratio Lower Upper
 82 100
 128 44.8 34.6 52.0
 54 56.0 39.5 59.3

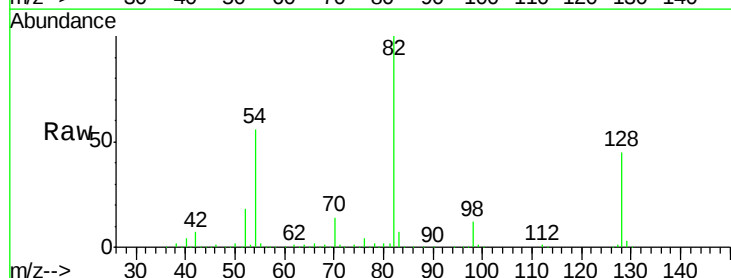


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

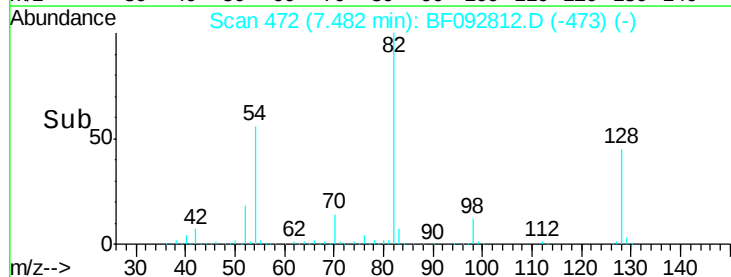
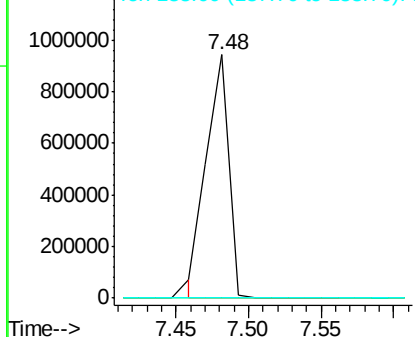


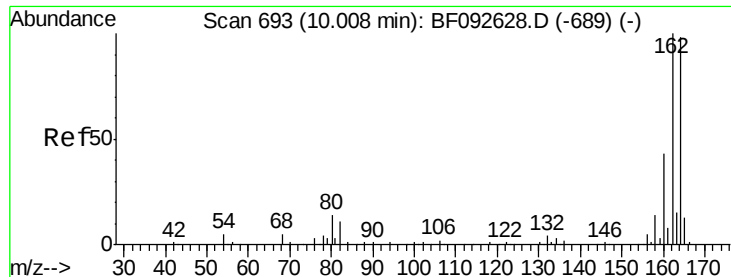
#25
 Isophorone
 Concen: 53.21 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.31 min
 Lab File: BF092812.D
 Acq: 6 Feb 2017 22:49

Tgt Ion: 82 Resp: 1010494
 Ion Ratio Lower Upper
 82 100
 95 0.0 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

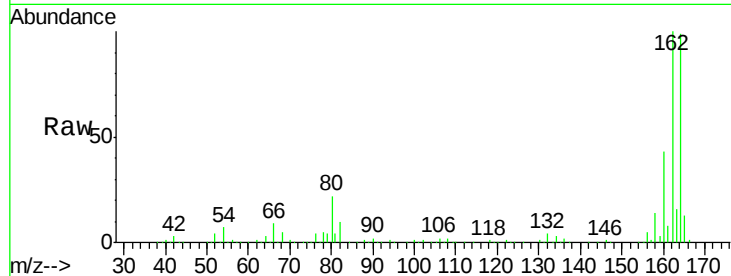




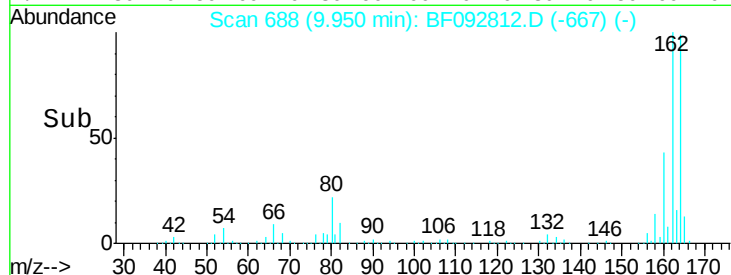
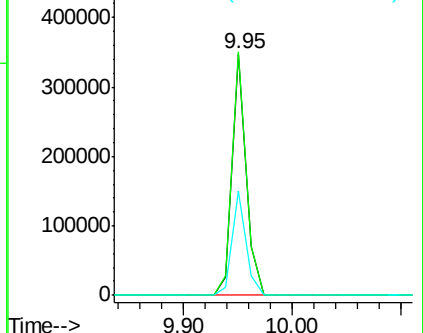
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.06 min
 Lab File: BF092812.D
 Acq: 6 Feb 2017 22:49

Instrument :
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 ClientSampleId :
 ROLL-OFF-20-41-COMP

Tgt Ion:164 Resp: 306905
 Ion Ratio Lower Upper
 164 100
 162 100.9 80.2 120.2
 160 43.0 36.9 55.3

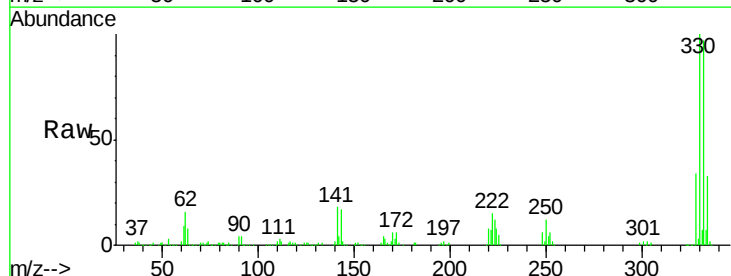


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

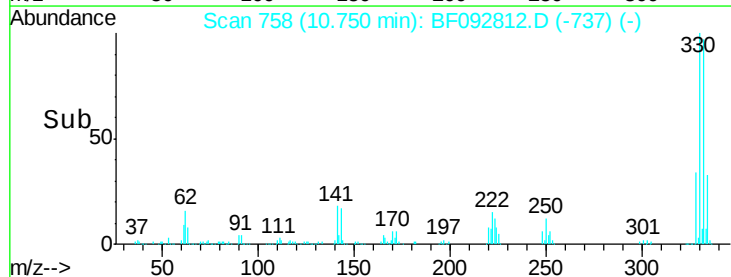
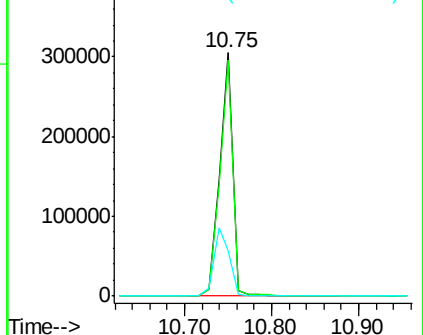


#41
 2,4,6-Tribromophenol
 Concen: 147.24 ng
 RT: 10.75 min Scan# 758
 Delta R.T. -0.06 min
 Lab File: BF092812.D
 Acq: 6 Feb 2017 22:49

Tgt Ion:330 Resp: 326831
 Ion Ratio Lower Upper
 330 100
 332 96.9 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

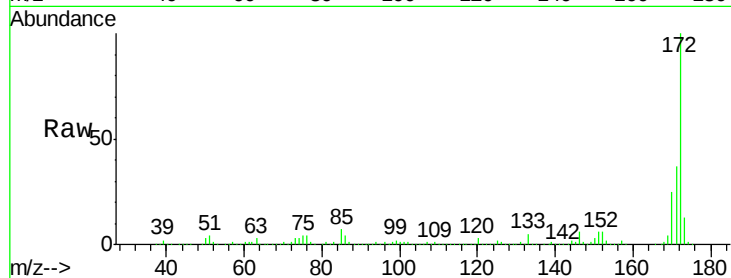




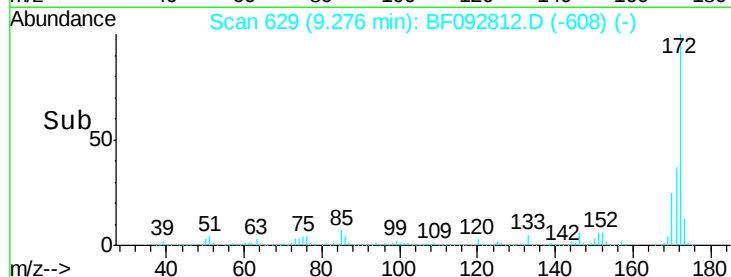
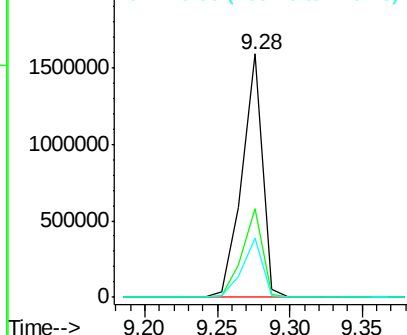
#44
2-Fluorobiphenyl
Concen: 92.20 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.06 min
Lab File: BF092812.D
Acq: 6 Feb 2017 22:49

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:172 Resp: 1561940
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.0
170 24.6 20.2 30.4

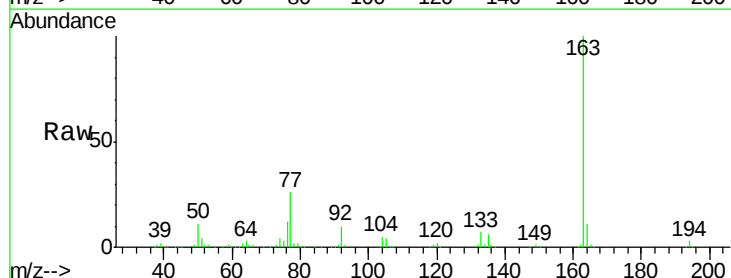


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

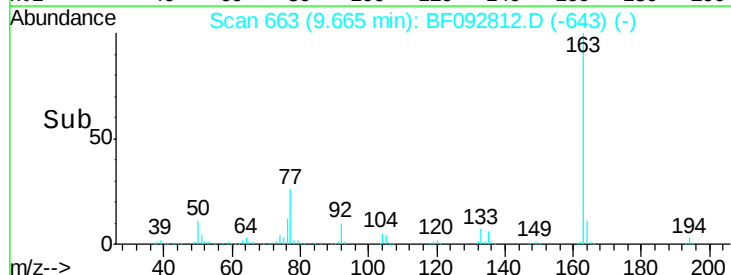
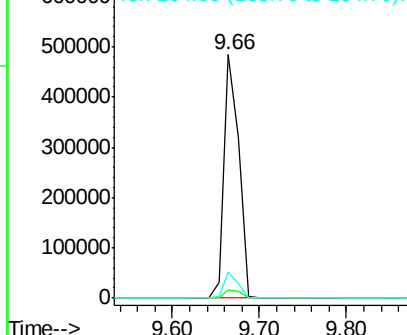


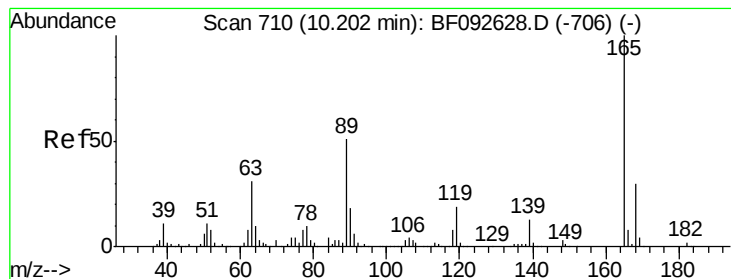
#49
Dimethylphthalate
Concen: 28.05 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.07 min
Lab File: BF092812.D
Acq: 6 Feb 2017 22:49

Tgt Ion:163 Resp: 579797
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.4
164 10.5 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





#56

2,4-Dinitrotoluene

Concen: 6.84 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.25 min

Lab File: BF092812.D

Acq: 6 Feb 2017 22:49

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-20-41-COMP

Tgt Ion:165 Resp: 40677

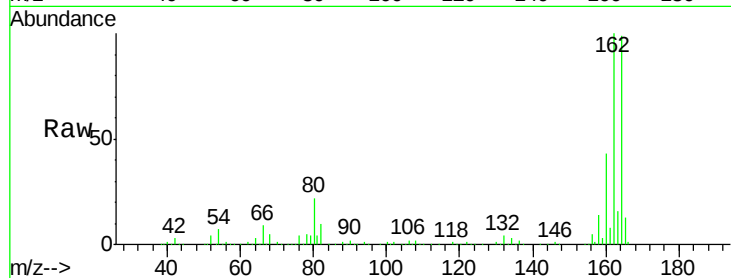
Ion Ratio Lower Upper

165 100

63 1.0 40.2 60.4#

89 1.0 62.5 93.7#

182 0.0 1.8 2.8#

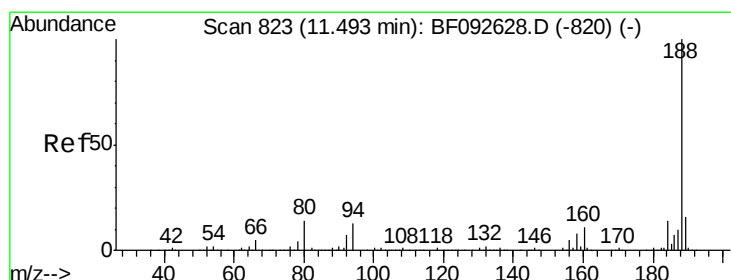
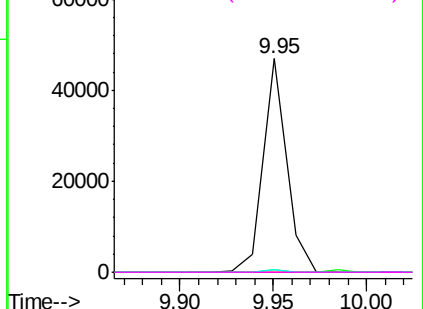
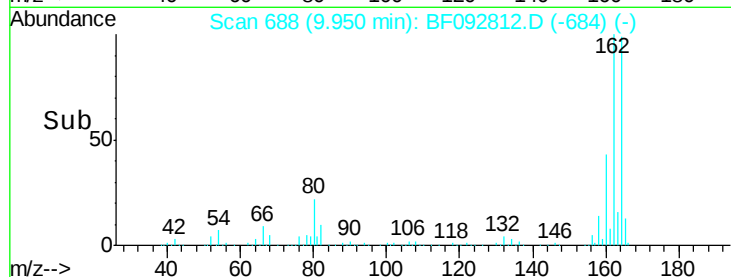


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.06 min

Lab File: BF092812.D

Acq: 6 Feb 2017 22:49

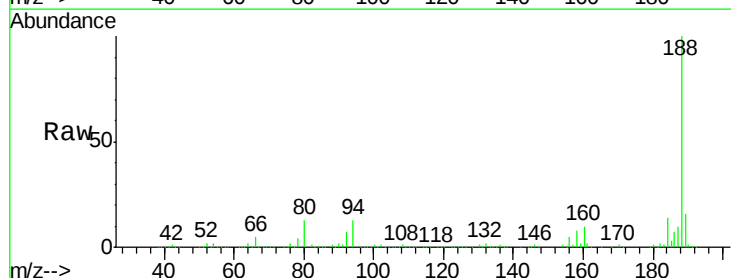
Tgt Ion:188 Resp: 452105

Ion Ratio Lower Upper

188 100

94 12.5 10.0 15.0

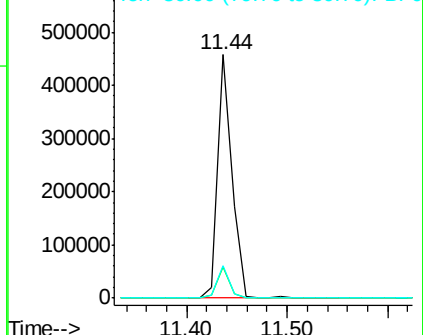
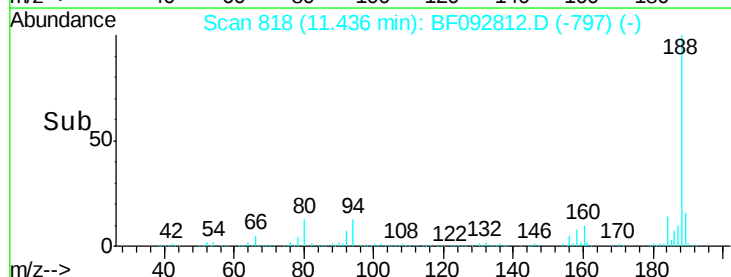
80 13.2 11.2 16.8

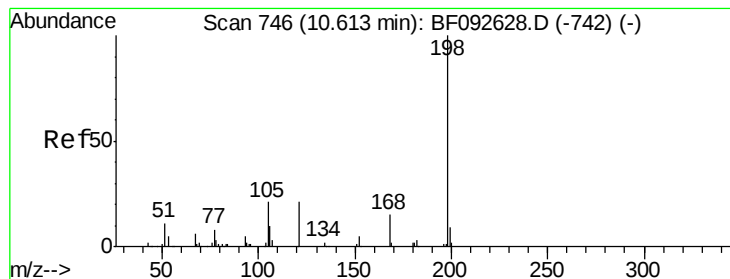


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.90 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.13 min

Lab File: BF092812.D

Acq: 6 Feb 2017 22:49

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-20-41-COMP

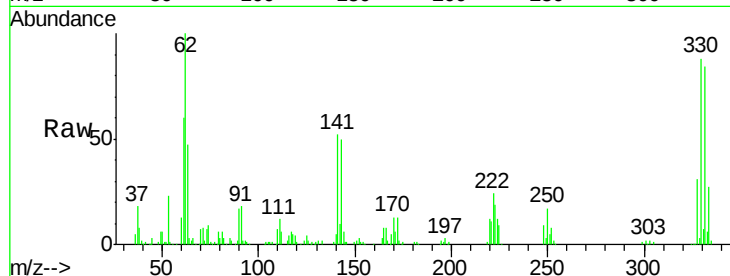
Tgt Ion:198 Resp: 684

Ion Ratio Lower Upper

198 100

51 258.1 6.7 46.7#

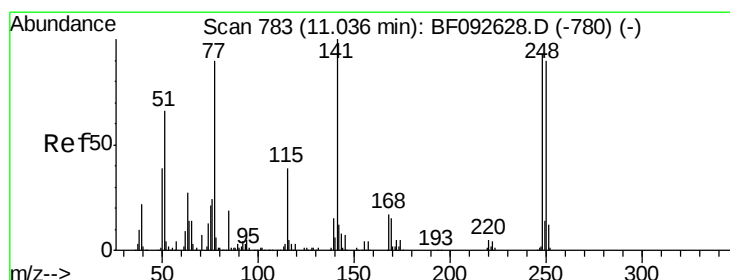
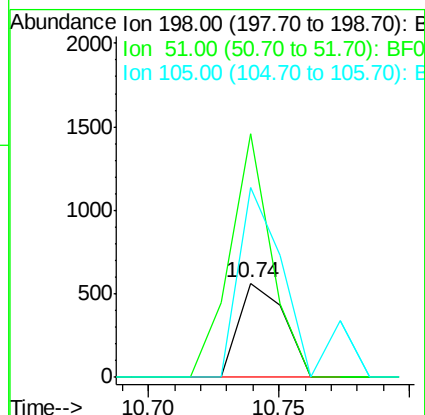
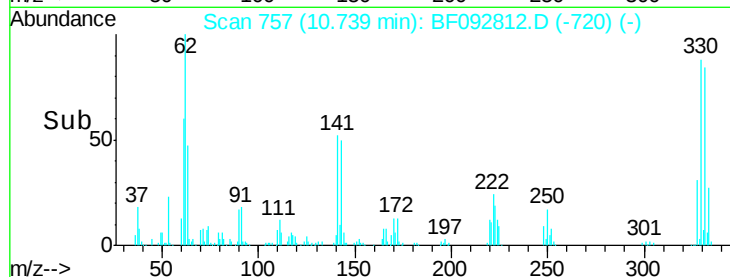
105 200.5 16.6 56.6#



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



#66

4-Bromophenyl-phenylether

Concen: 5.02 ng

RT: 10.75 min Scan# 758

Delta R.T. -0.29 min

Lab File: BF092812.D

Acq: 6 Feb 2017 22:49

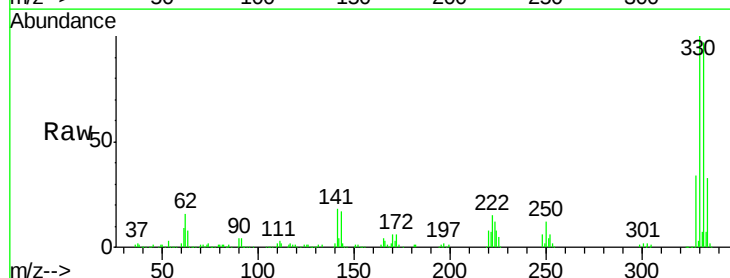
Tgt Ion:248 Resp: 23713

Ion Ratio Lower Upper

248 100

250 195.1 76.9 115.3#

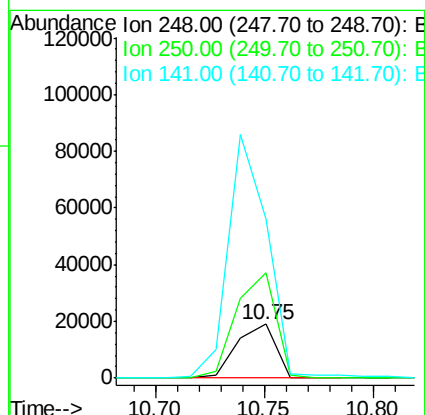
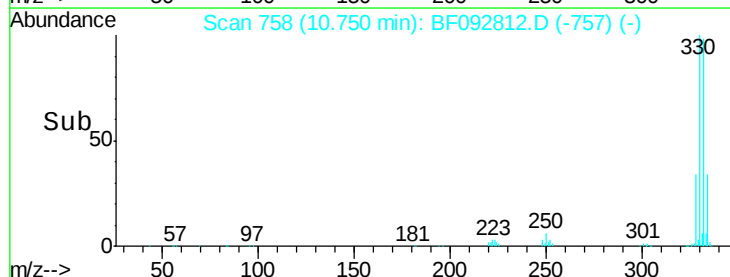
141 294.3 68.2 102.4#

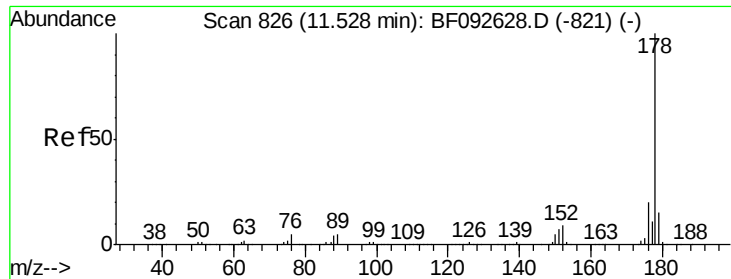


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

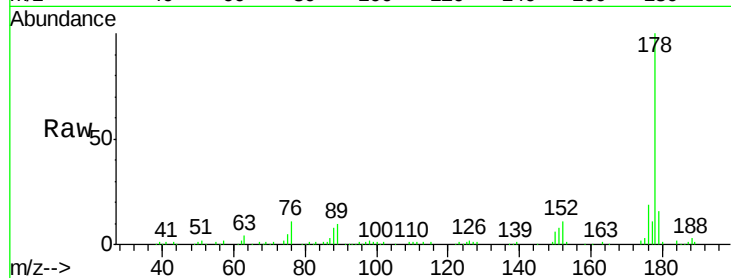




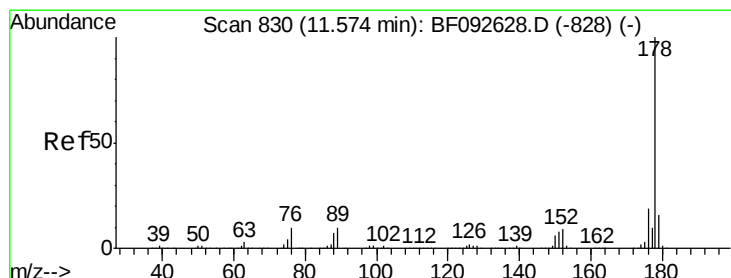
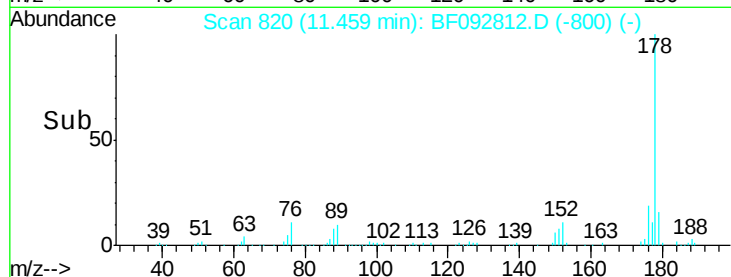
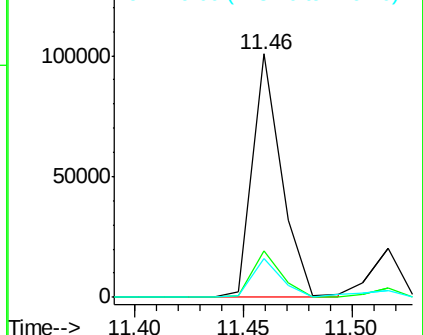
#70
Phenanthrene
Concen: 3.62 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.07 min
Lab File: BF092812.D
Acq: 6 Feb 2017 22:49

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-20-41-COMP

Tgt Ion:178 Resp: 93814
Ion Ratio Lower Upper
178 100
176 19.1 16.6 25.0
179 16.2 12.8 19.2

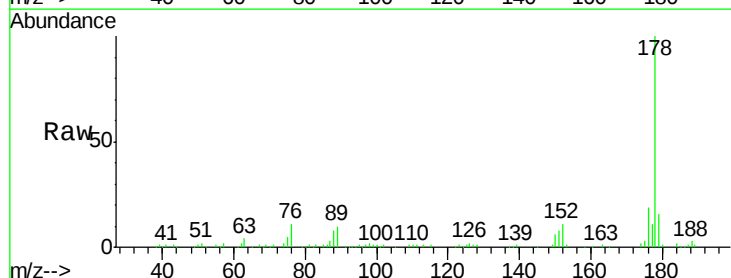


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

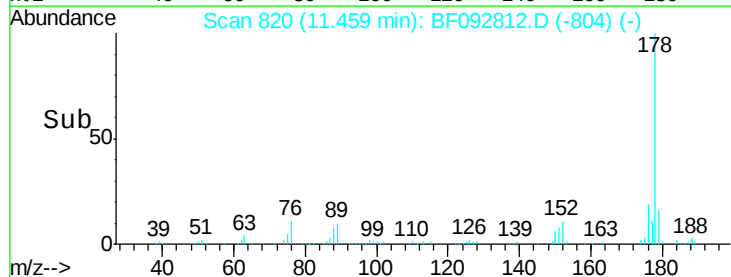
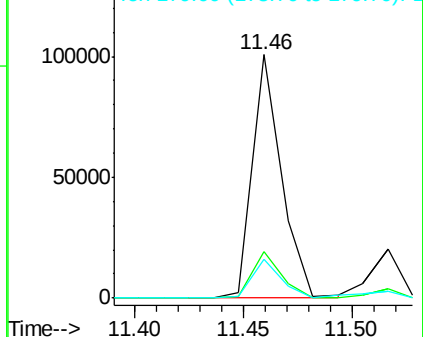


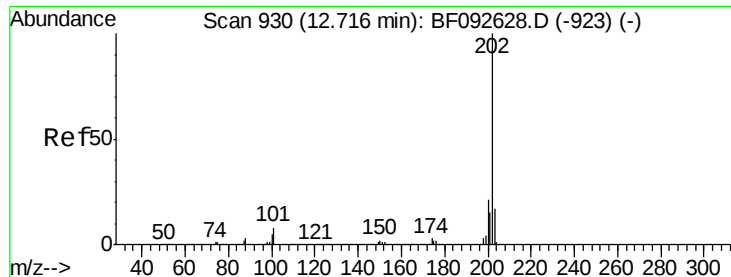
#71
Anthracene
Concen: 3.61 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.11 min
Lab File: BF092812.D
Acq: 6 Feb 2017 22:49

Tgt Ion:178 Resp: 93814
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 16.2 13.2 19.8



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





#74

Fluoranthene

Concen: 4.17 ng

RT: 12.65 min Scan# 924

Delta R.T. -0.07 min

Lab File: BF092812.D

Acq: 6 Feb 2017 22:49

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-20-41-COMP

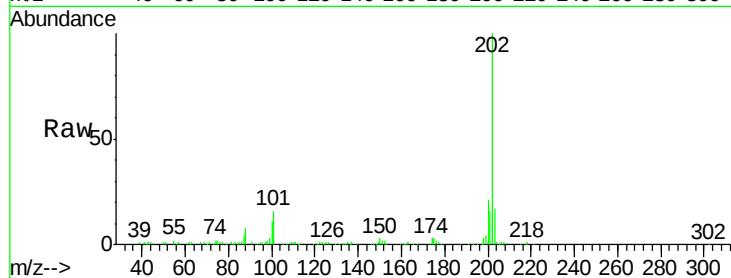
Tgt Ion:202 Resp: 111515

Ion Ratio Lower Upper

202 100

101 15.6 0.0 34.6

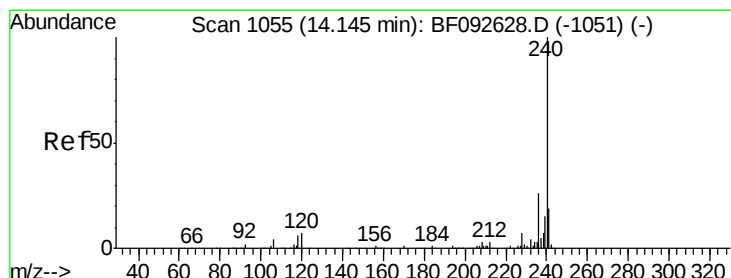
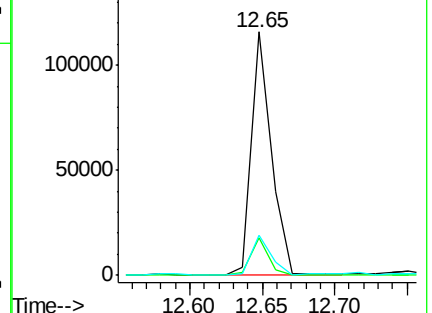
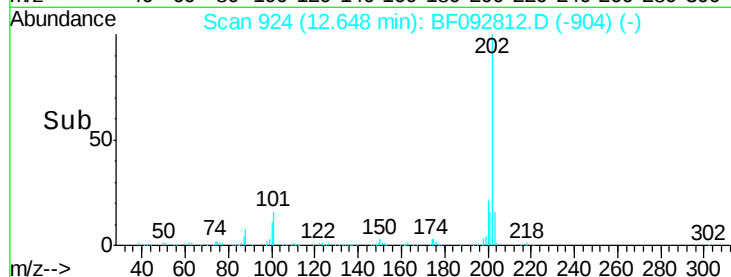
203 16.7 0.0 38.7



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: 14.08 min Scan# 1049

Delta R.T. -0.07 min

Lab File: BF092812.D

Acq: 6 Feb 2017 22:49

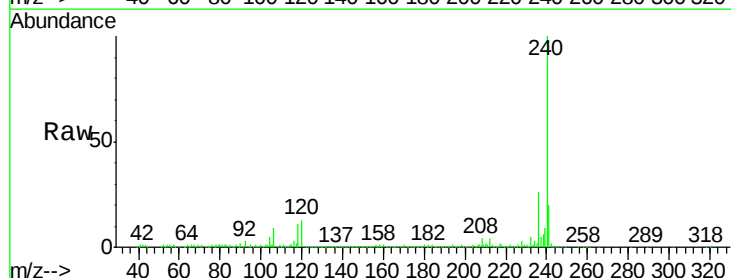
Tgt Ion:240 Resp: 339664

Ion Ratio Lower Upper

240 100

120 13.3 12.9 19.3

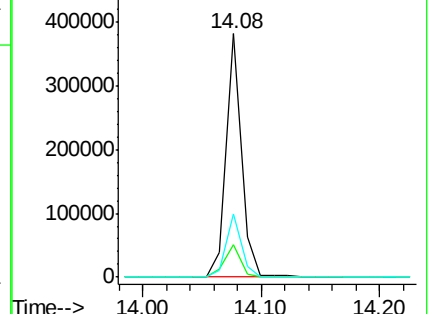
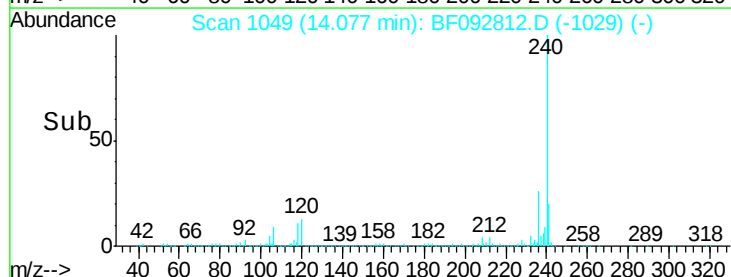
236 25.9 20.9 31.3

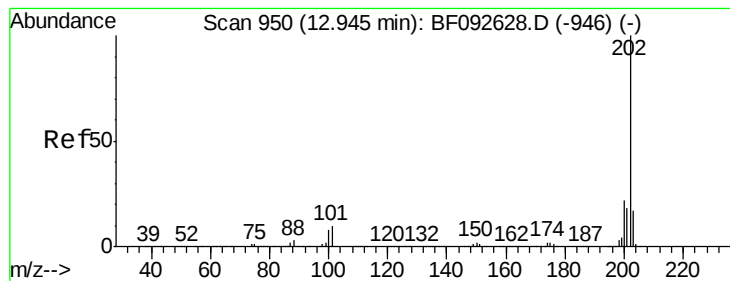


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.90 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.07 min

Lab File: BF092812.D

Acq: 6 Feb 2017 22:49

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-20-41-COMP

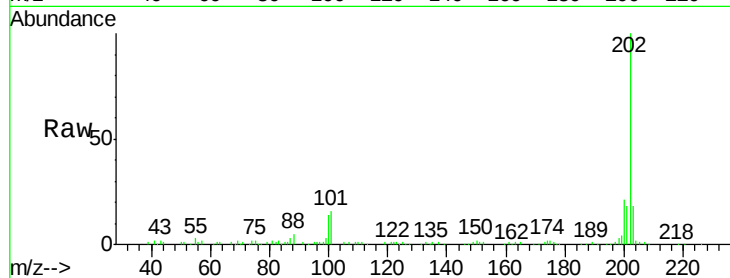
Tgt Ion:202 Resp: 99027

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

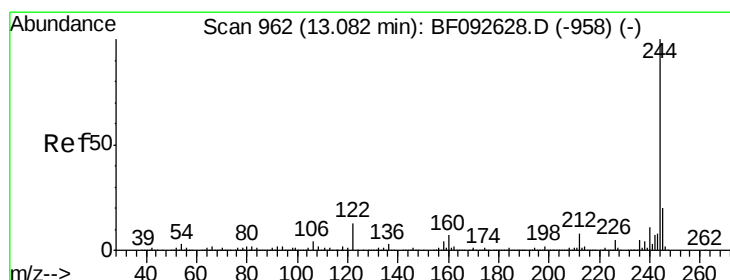
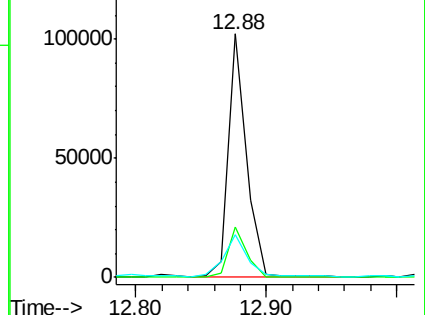
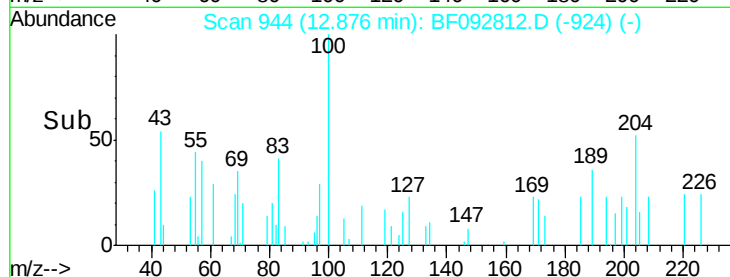
203 17.7 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 71.96 ng

RT: 13.03 min Scan# 957

Delta R.T. -0.06 min

Lab File: BF092812.D

Acq: 6 Feb 2017 22:49

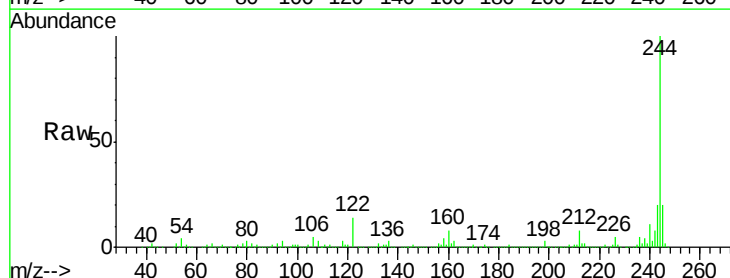
Tgt Ion:244 Resp: 1040313

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

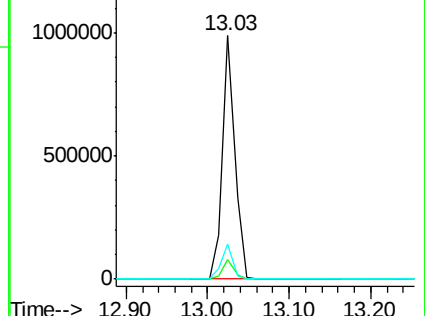
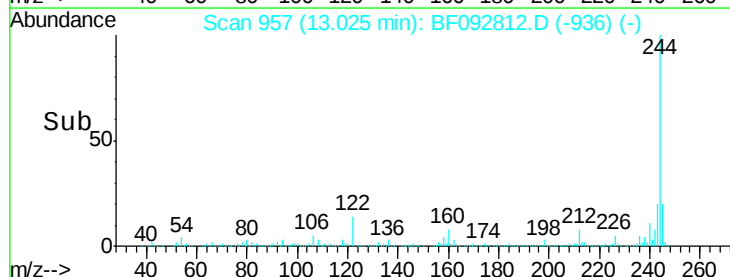
122 14.2 11.4 17.2

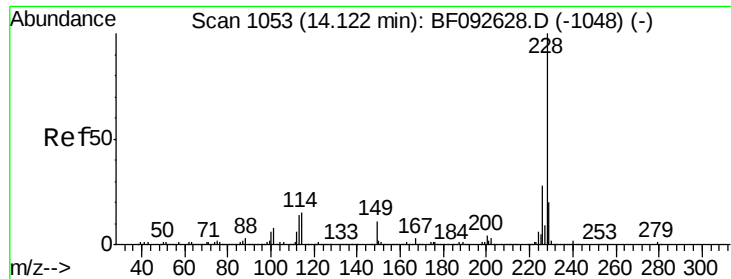


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.57 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.06 min

Lab File: BF092812.D

Acq: 6 Feb 2017 22:49

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-20-41-COMP

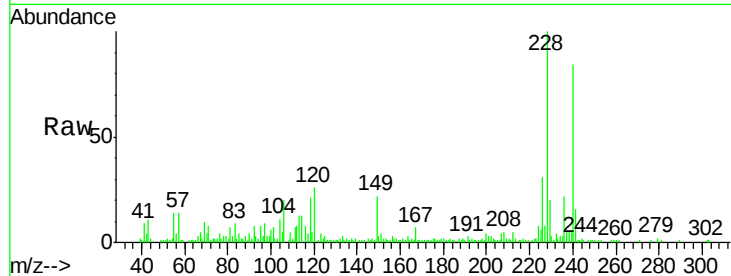
Tgt Ion:228 Resp: 53440

Ion Ratio Lower Upper

228 100

226 30.5 22.4 33.6

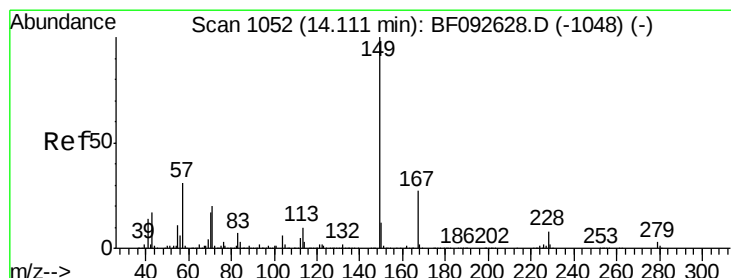
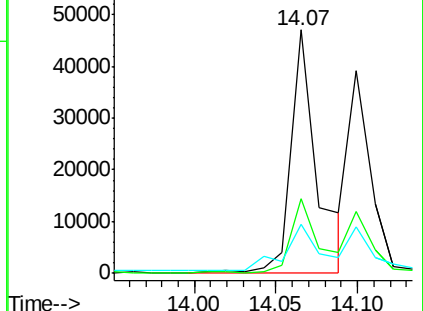
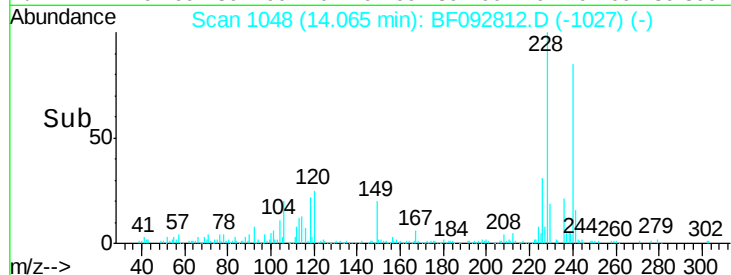
229 20.2 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.34 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.06 min

Lab File: BF092812.D

Acq: 6 Feb 2017 22:49

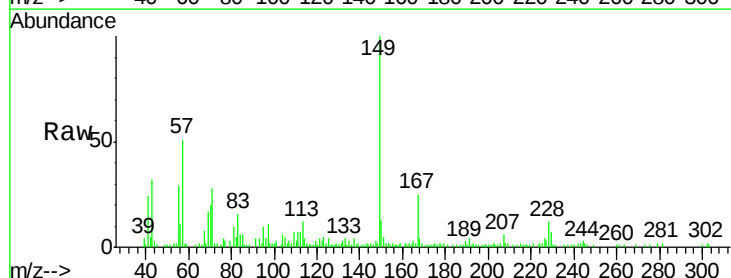
Tgt Ion:149 Resp: 33001

Ion Ratio Lower Upper

149 100

167 25.0 20.2 30.4

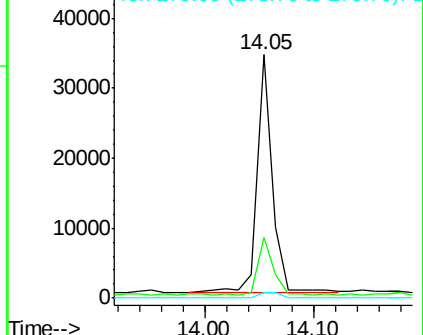
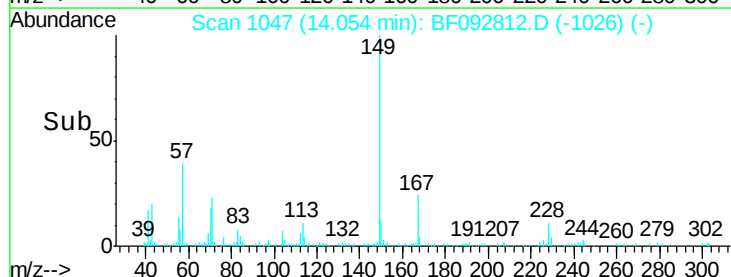
279 2.1 1.8 2.8

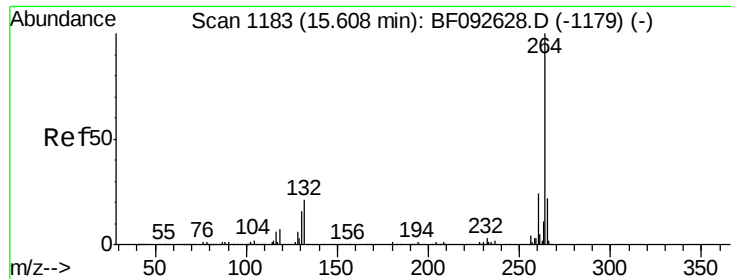


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

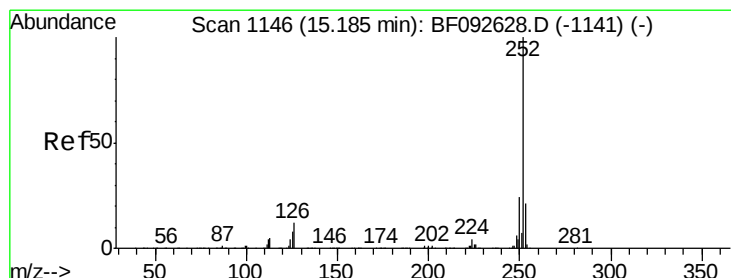
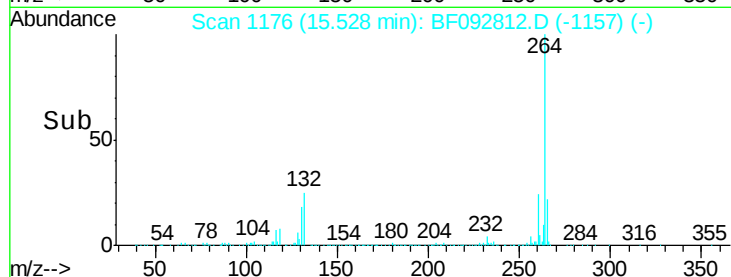
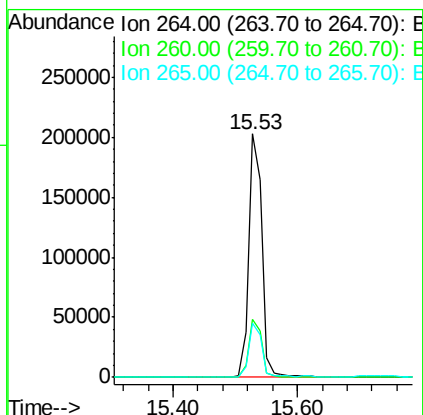
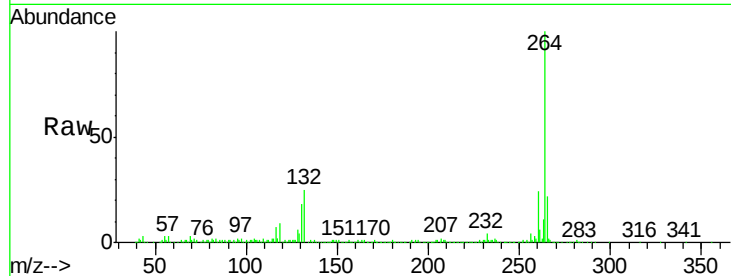




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1176
Delta R.T. -0.08 min
Lab File: BF092812.D
Acq: 6 Feb 2017 22:49

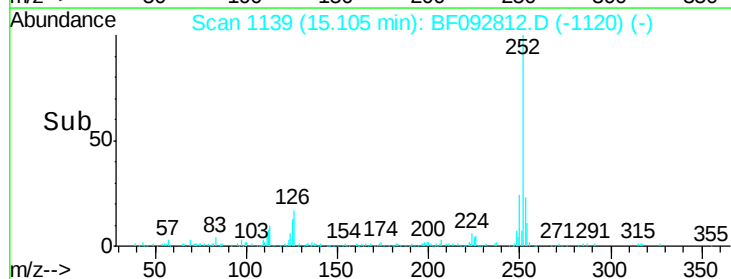
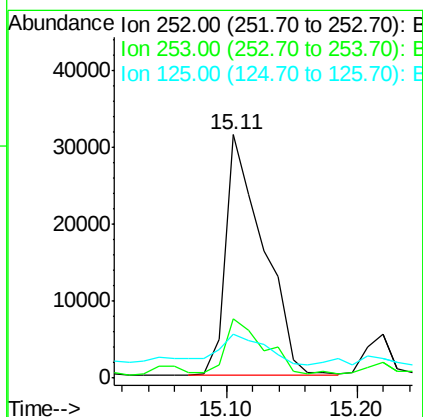
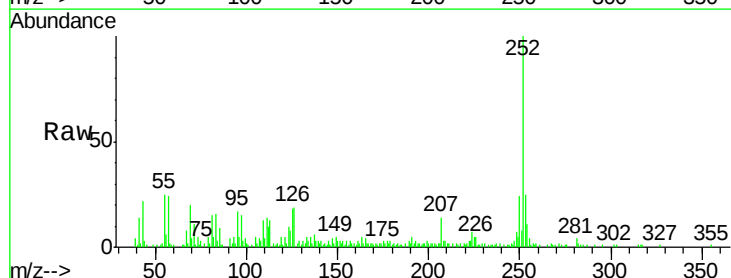
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-20-41-COMP

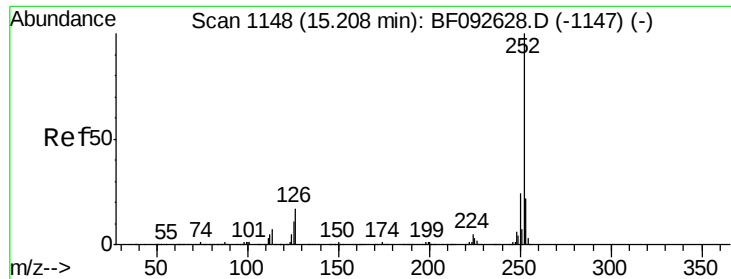
Tgt Ion:264 Resp: 299574
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.4 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 3.21 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.08 min
Lab File: BF092812.D
Acq: 6 Feb 2017 22:49

Tgt Ion:252 Resp: 63278
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.4
125 18.3 9.8 14.6#





#88

Benzo(k)fluoranthene

Concen: 3.72 ng

RT: 15.11 min Scan# 1139

Delta R.T. -0.10 min

Lab File: BF092812.D

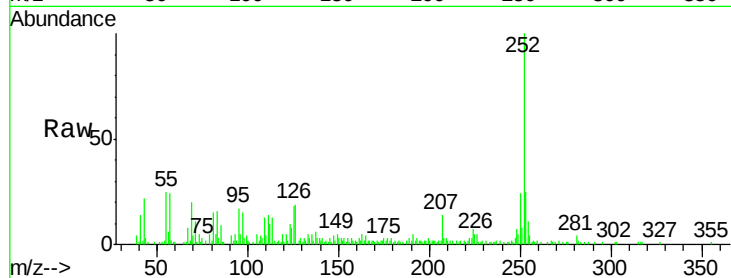
Acq: 6 Feb 2017 22:49

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-20-41-COMP



Tgt Ion:	252	Resp:	63278
Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.5	27.7
125	18.3	8.9	13.3

