

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111116\
 Data File : BF091156.D
 Acq On : 11 Nov 2016 22:35
 Operator : UM/SJ
 Sample : H5628-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-COMP

Quant Time: Nov 11 23:59:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	150085	20.00	ng	-0.01
21) Naphthalene-d8	7.93	136	659737	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	317757	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	493127	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	367263	20.00	ng	-0.03
86) Perylene-d12	15.15	264	274193	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	1083480	119.23	ng	-0.01
7) Phenol-d6	6.30	99	1483241	120.25	ng	-0.01
23) Nitrobenzene-d5	7.21	82	879751	72.74	ng	-0.03
41) 2,4,6-Tribromophenol	10.46	330	308920	107.54	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1413157	76.57	ng	-0.02
78) Terphenyl-d14	12.74	244	1189813	80.84	ng	-0.02

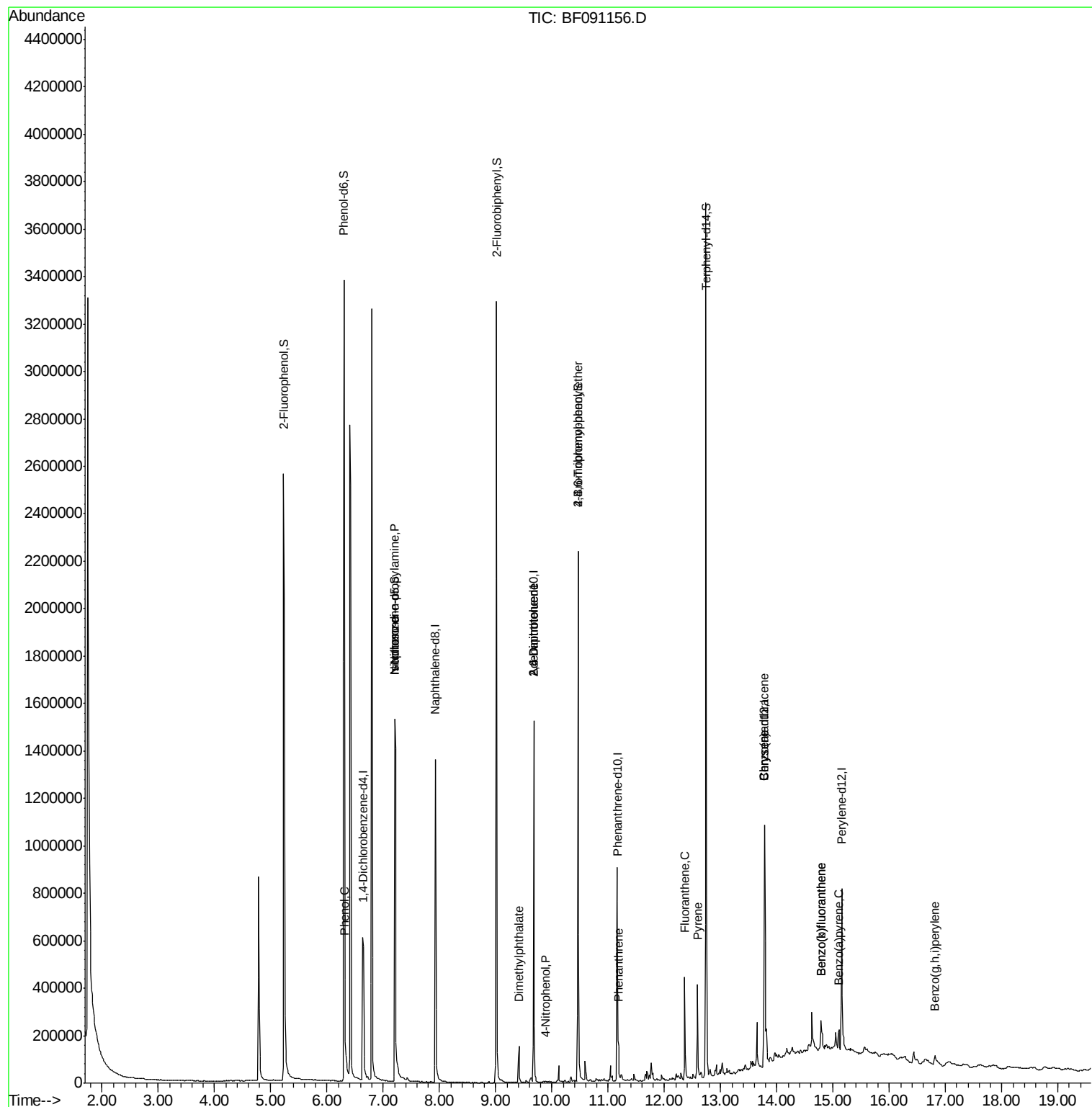
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.32	94	69278	5.07	ng	# 60
19) n-Nitroso-di-n-propylamine	7.21	70	118550	13.87	ng	# 81
25) Isophorone	7.21	82	864033	37.08	ng	# 67
49) Dimethylphthalate	9.41	163	95981	4.61	ng	98
50) 2,6-Dinitrotoluene	9.68	165	40610	9.09	ng	# 11
55) 4-Nitrophenol	9.89	139	287	5.81	ng	# 1
56) 2,4-Dinitrotoluene	9.68	165	40612	7.15	ng	# 26
66) 4-Bromophenyl-phenylether	10.46	248	19424	3.79	ng	# 1
70) Phenanthrene	11.18	178	76133	2.90	ng	97
74) Fluoranthene	12.36	202	179794	6.61	ng	93
77) Pyrene	12.59	202	178839	7.44	ng	96
80) Benzo(a)anthracene	13.78	228	143016	6.86	ng	100
82) Chrysene	13.78	228	143016	6.96	ng	96
87) Benzo(b)fluoranthene	14.79	252	85548	4.60	ng	# 94
88) Benzo(k)fluoranthene	14.79	252	85548	5.24	ng	97
89) Benzo(a)pyrene	15.11	252	46159	2.85	ng	# 97
91) Benzo(g,h,i)perylene	16.81	276	29791	2.35	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

Instrument :

BNA_F

ClientSampleId :

SB-COMP

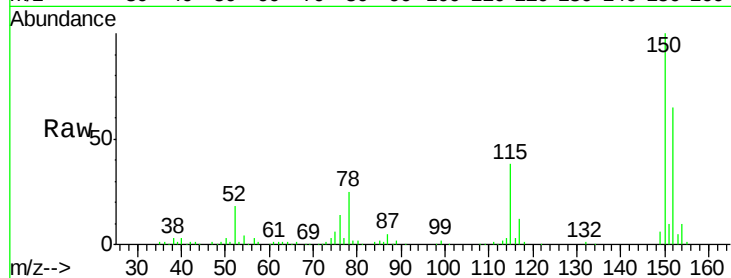
Tgt Ion:152 Resp: 150085

Ion Ratio Lower Upper

152 100

150 153.0 126.8 190.2

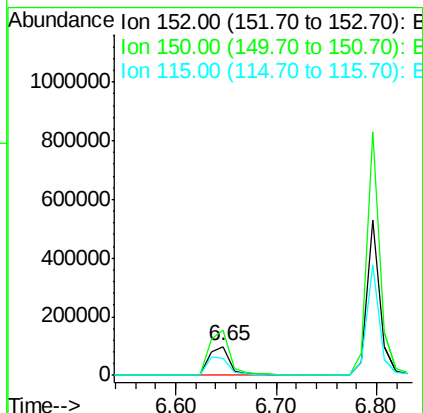
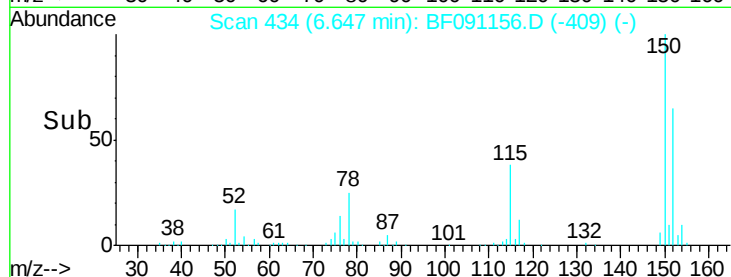
115 57.6 53.3 79.9



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: 119.23 ng

RT: 5.23 min Scan# 310

Delta R.T. -0.01 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

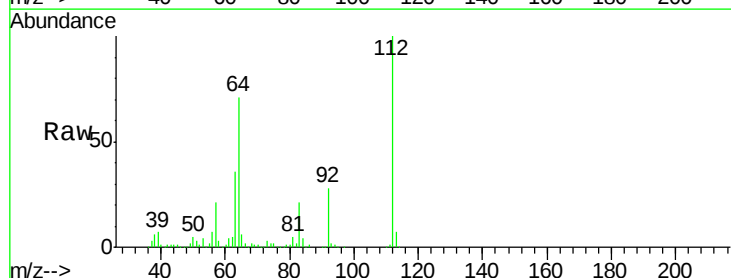
Tgt Ion:112 Resp: 1083480

Ion Ratio Lower Upper

112 100

64 70.5 55.8 83.6

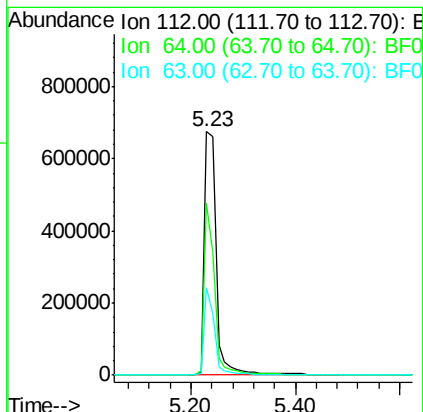
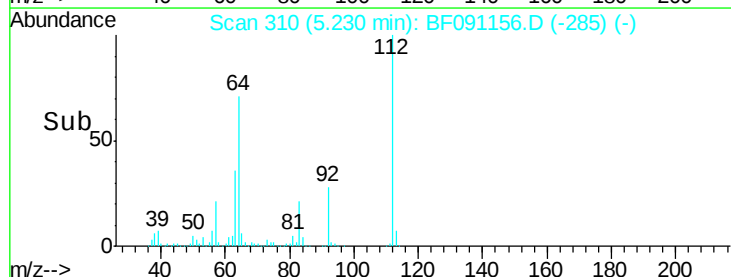
63 35.7 28.0 42.0



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: 120.25 ng

RT: 6.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

Instrument :

BNA_F

ClientSampleId :

SB-COMP

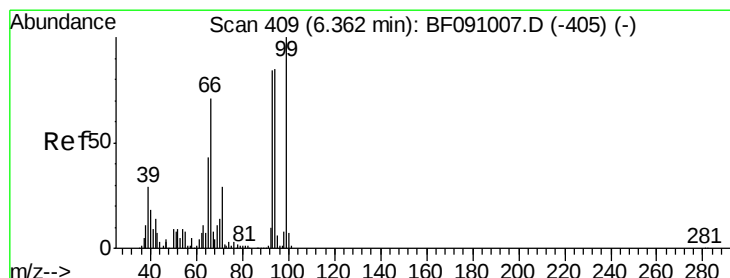
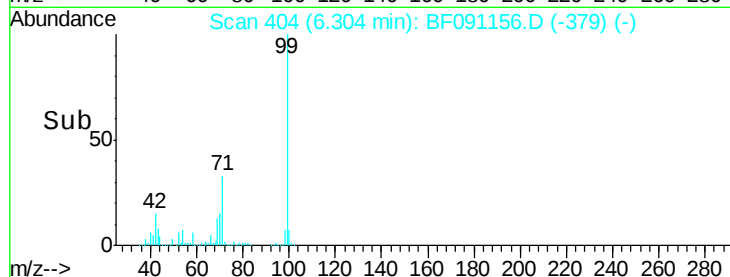
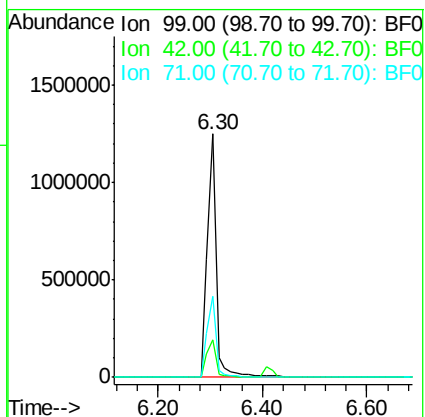
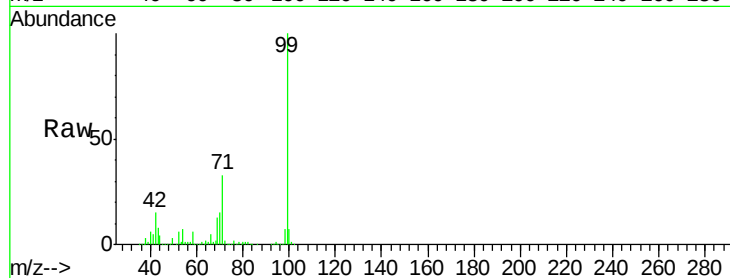
Tgt Ion: 99 Resp: 1483241

Ion Ratio Lower Upper

99 100

42 15.5 13.9 20.9

71 33.1 27.8 41.8



#10

Phenol

Concen: 5.07 ng

RT: 6.32 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

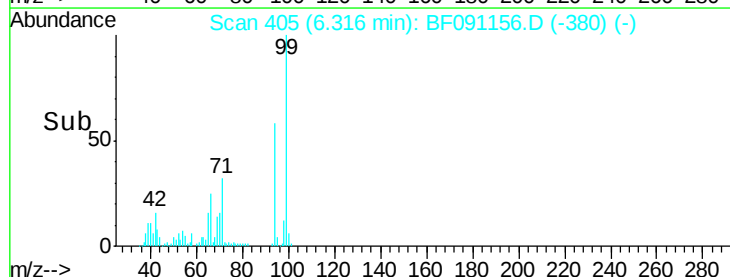
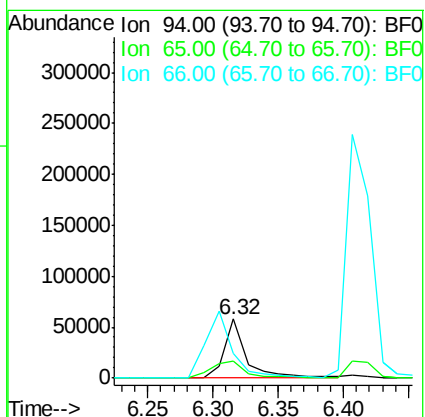
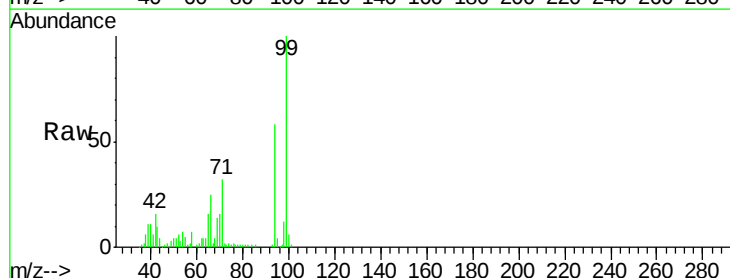
Tgt Ion: 94 Resp: 69278

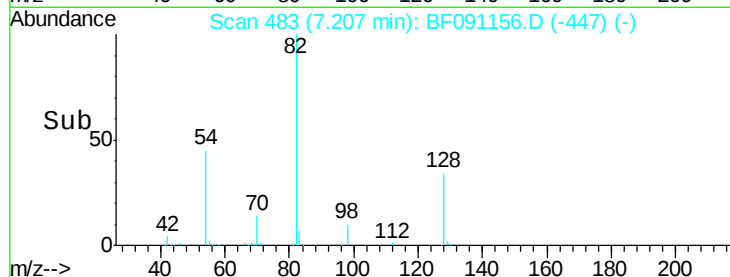
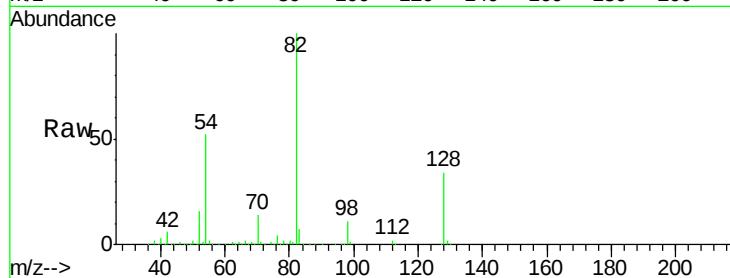
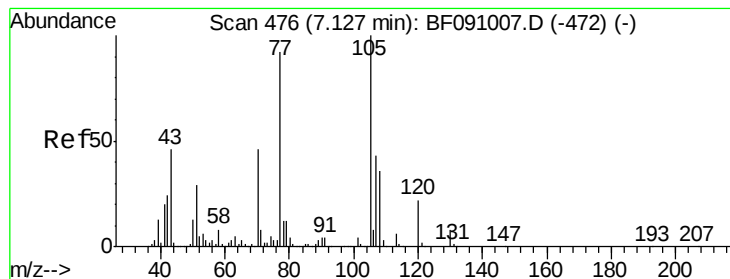
Ion Ratio Lower Upper

94 100

65 28.4 30.4 70.4#

66 42.4 62.9 102.9#





#19

n-Nitroso-di-n-propylamine

Concen: 13.87 ng

RT: 7.21 min Scan# 483

Delta R.T. 0.11 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

Instrument :

BNA_F

ClientSampleId :

SB-COMP

Tgt Ion: 70 Resp: 118550

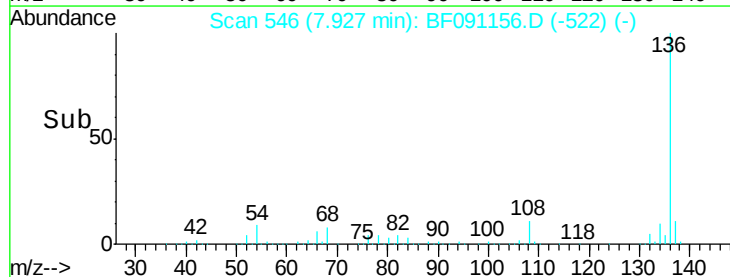
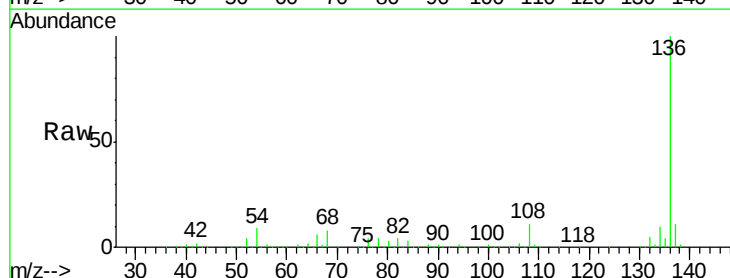
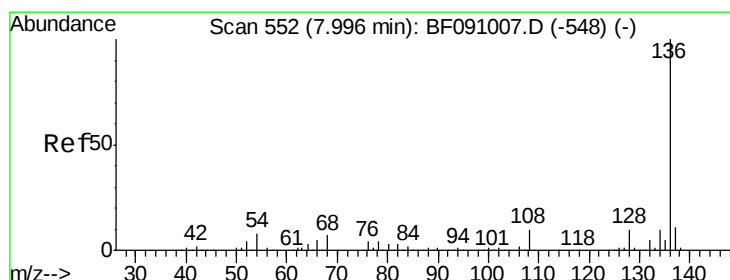
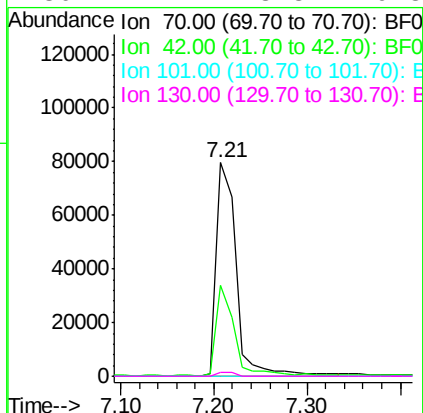
Ion Ratio Lower Upper

70 100

42 42.7 41.7 62.5

101 0.0 6.7 10.1#

130 1.7 13.8 20.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 546

Delta R.T. -0.02 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

Tgt Ion: 136 Resp: 659737

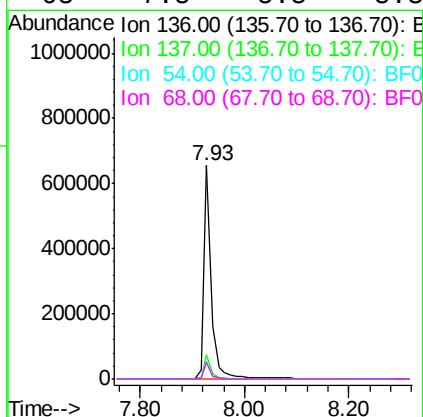
Ion Ratio Lower Upper

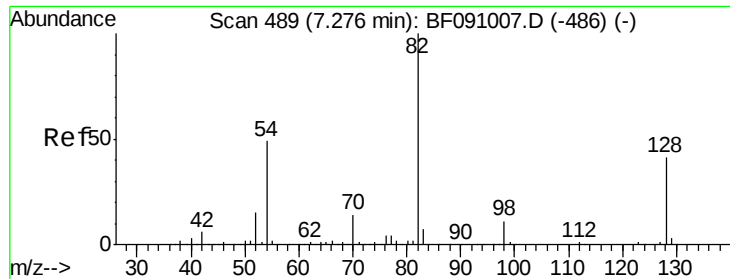
136 100

137 11.4 8.9 13.3

54 8.6 6.2 9.2

68 7.5 5.5 8.3

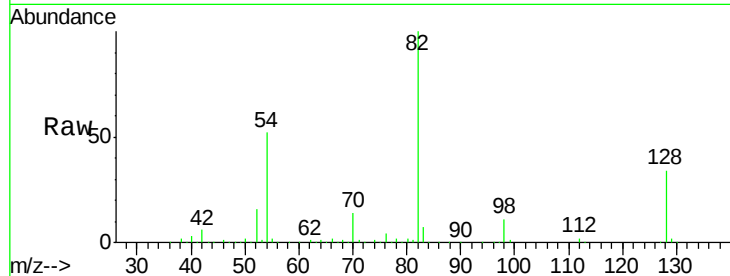




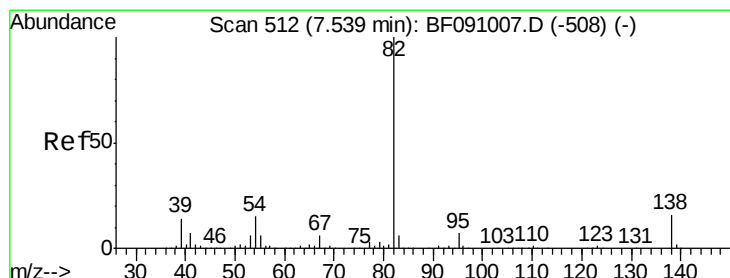
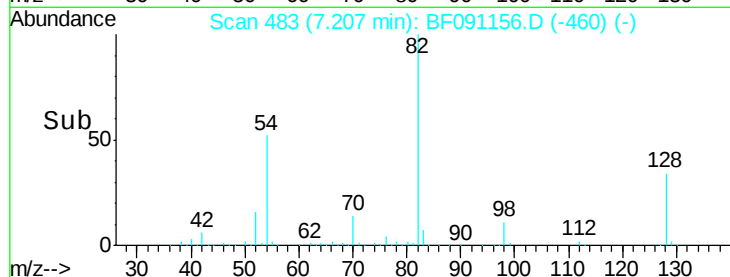
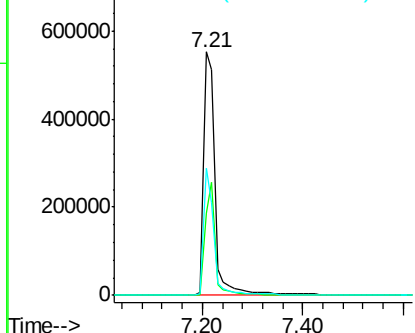
#23
 Nitrobenzene-d5
 Concen: 72.74 ng
 RT: 7.21 min Scan# 483
 Delta R.T. -0.03 min
 Lab File: BF091156.D
 Acq: 11 Nov 2016 22:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-COMP

Tgt Ion: 82 Resp: 879751
 Ion Ratio Lower Upper
 82 100
 128 33.9 32.4 48.6
 54 52.3 39.2 58.8

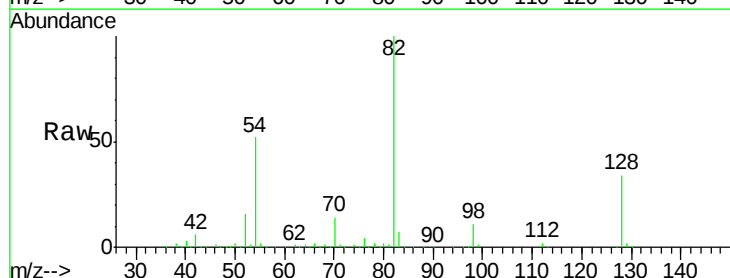


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

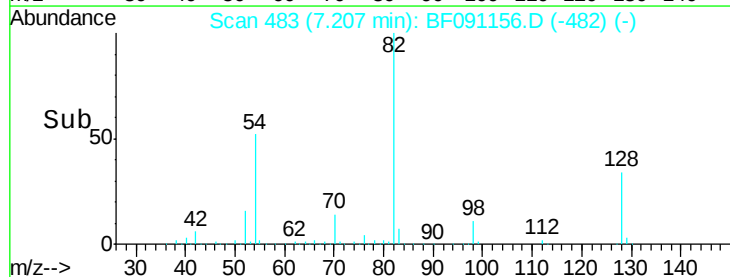
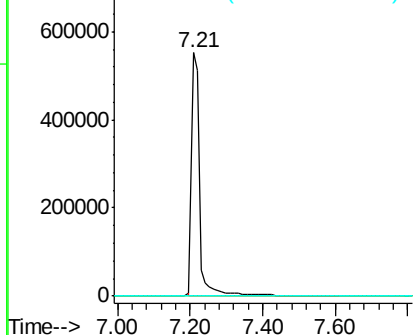


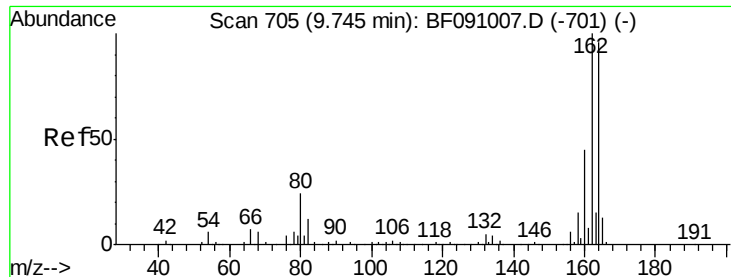
#25
 Isophorone
 Concen: 37.08 ng
 RT: 7.21 min Scan# 483
 Delta R.T. -0.29 min
 Lab File: BF091156.D
 Acq: 11 Nov 2016 22:35

Tgt Ion: 82 Resp: 864033
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 13.0 19.4#



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# 699

Delta R.T. -0.02 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

Instrument :

BNA_F

ClientSampleId :

SB-COMP

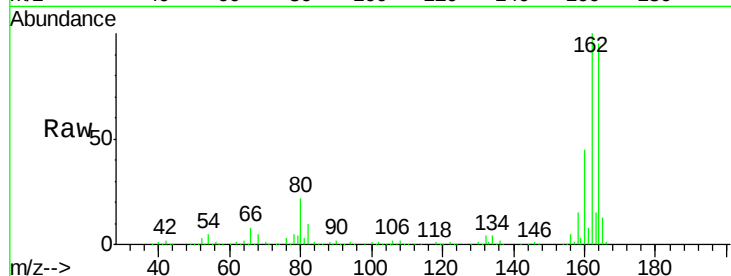
Tgt Ion:164 Resp: 317757

Ion Ratio Lower Upper

164 100

162 104.8 83.6 125.4

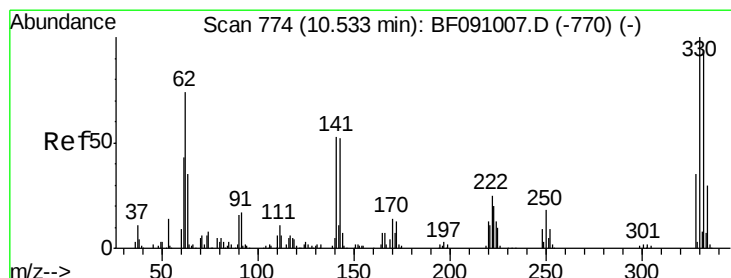
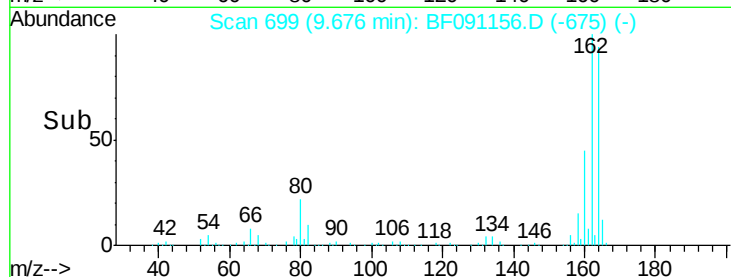
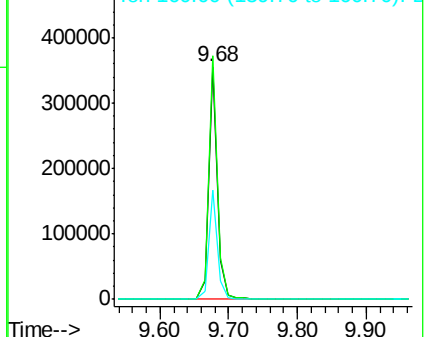
160 46.7 37.9 56.9



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: 107.54 ng

RT: 10.46 min Scan# 768

Delta R.T. -0.02 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

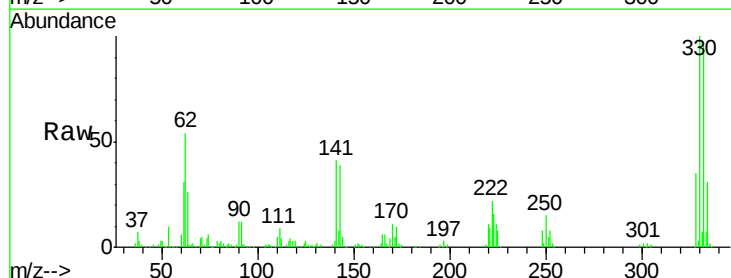
Tgt Ion:330 Resp: 308920

Ion Ratio Lower Upper

330 100

332 97.6 75.9 113.9

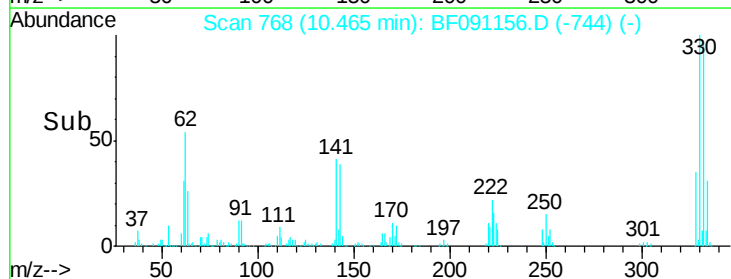
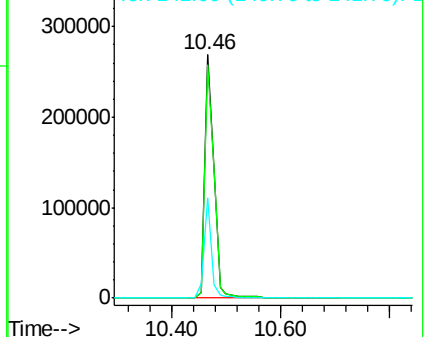
141 33.3 36.1 54.1#

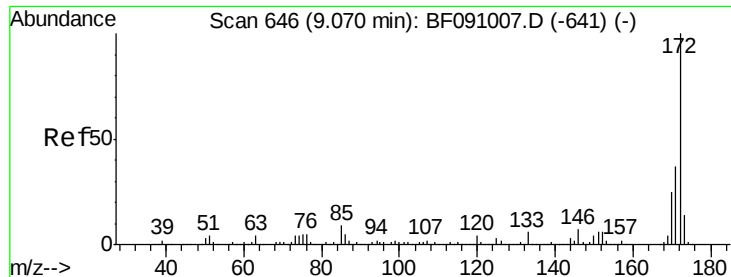


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

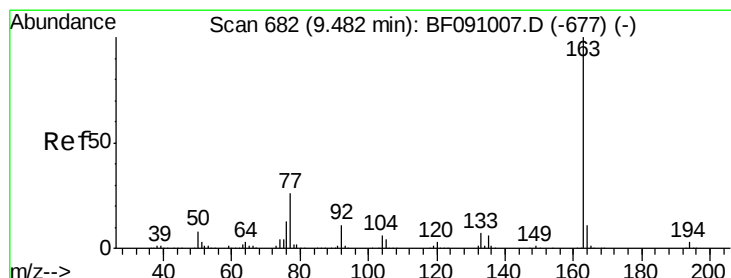
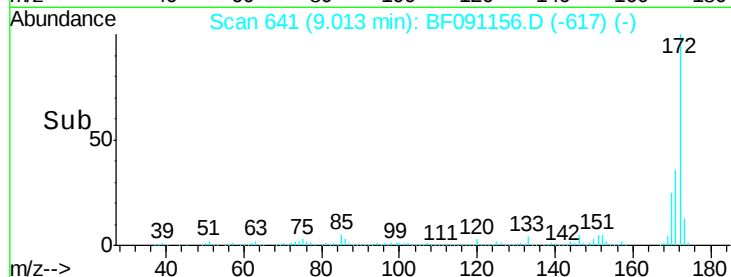
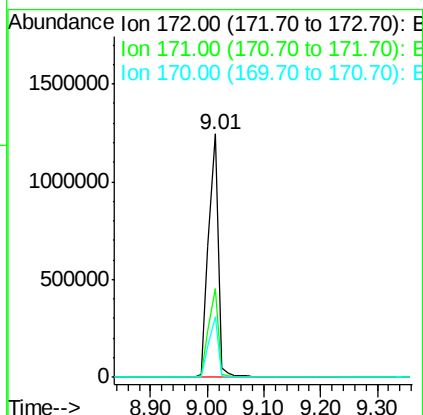
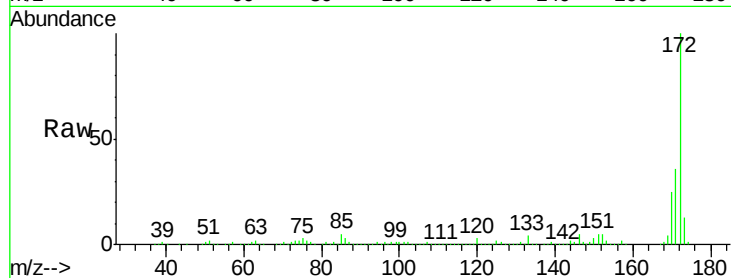




#44
 2-Fluorobiphenyl
 Concen: 76.57 ng
 RT: 9.01 min Scan# 641
 Delta R.T. -0.02 min
 Lab File: BF091156.D
 Acq: 11 Nov 2016 22:35

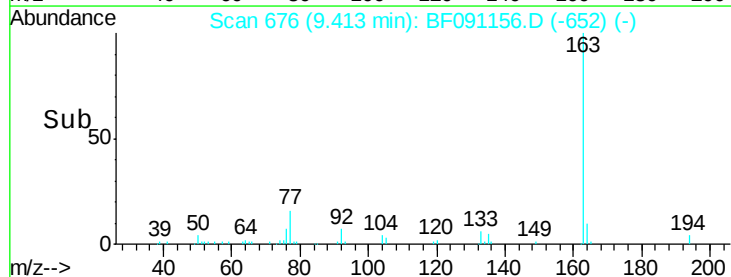
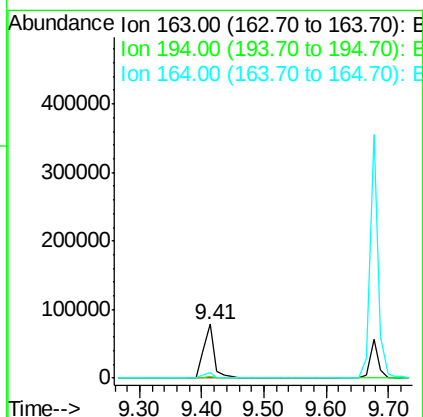
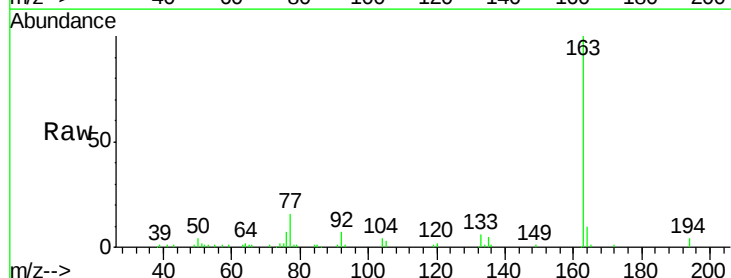
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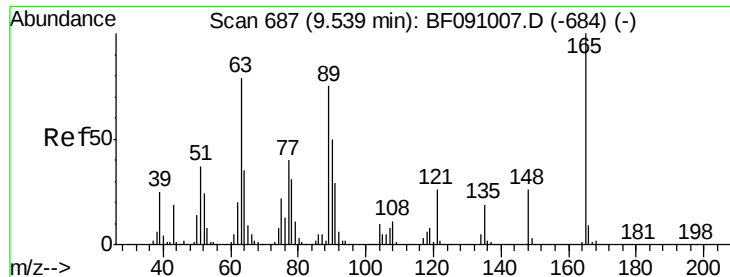
Tgt Ion:172 Resp: 1413157
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.8 44.6
 170 24.8 20.3 30.5



#49
 Dimethylphthalate
 Concen: 4.61 ng
 RT: 9.41 min Scan# 676
 Delta R.T. -0.02 min
 Lab File: BF091156.D
 Acq: 11 Nov 2016 22:35

Tgt Ion:163 Resp: 95981
 Ion Ratio Lower Upper
 163 100
 194 3.6 2.6 4.0
 164 10.2 8.7 13.1

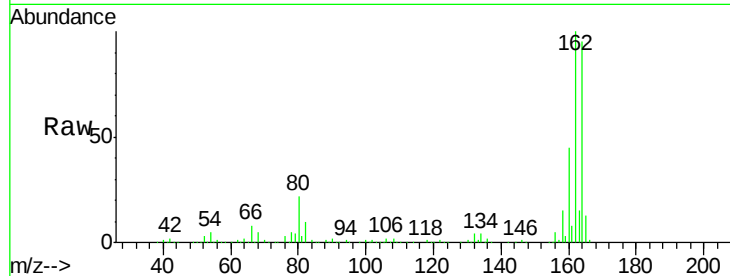




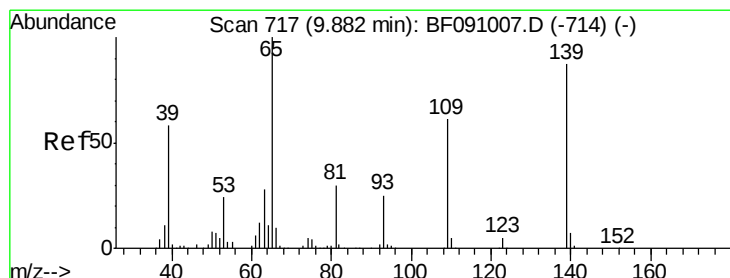
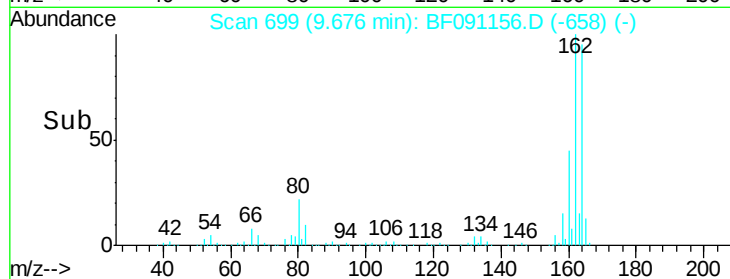
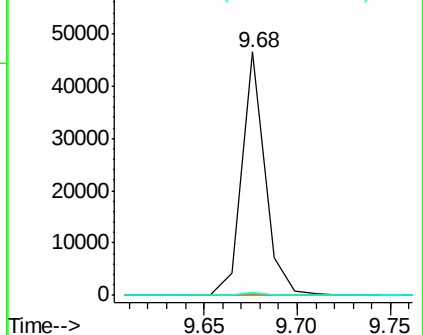
#50
2,6-Dinitrotoluene
Concen: 9.09 ng
RT: 9.68 min Scan# 699
Delta R.T. 0.17 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Instrument :
BNA_F
ClientSampleId :
SB-COMP

Tgt Ion:165 Resp: 40610
Ion Ratio Lower Upper
165 100
63 0.7 65.6 98.4#
89 1.1 59.8 89.6#

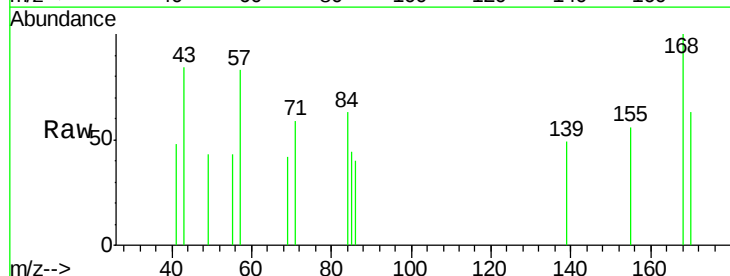


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

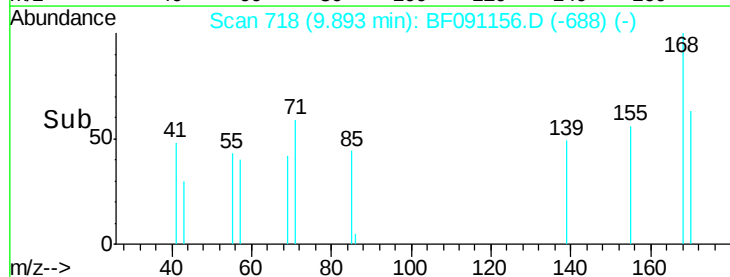
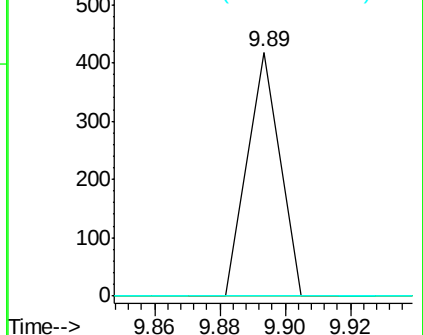


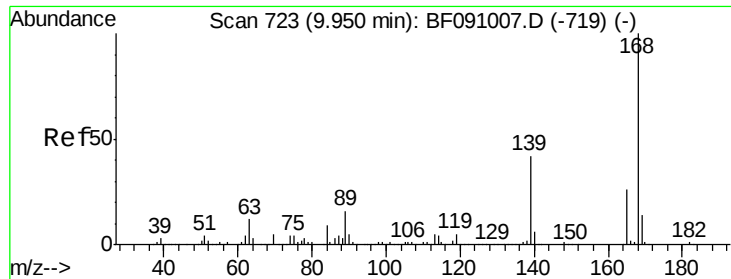
#55
4-Nitrophenol
Concen: 5.81 ng
RT: 9.89 min Scan# 718
Delta R.T. 0.05 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Tgt Ion:139 Resp: 287
Ion Ratio Lower Upper
139 100
109 0.0 50.5 90.5#
65 0.0 97.1 137.1#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

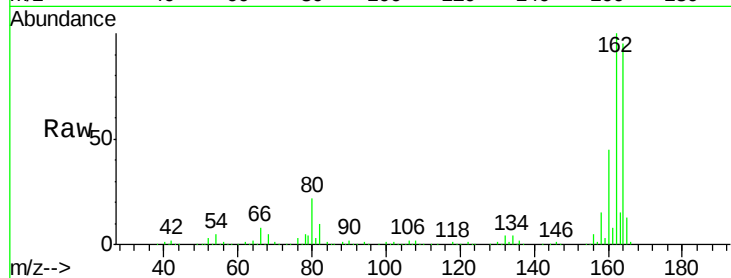




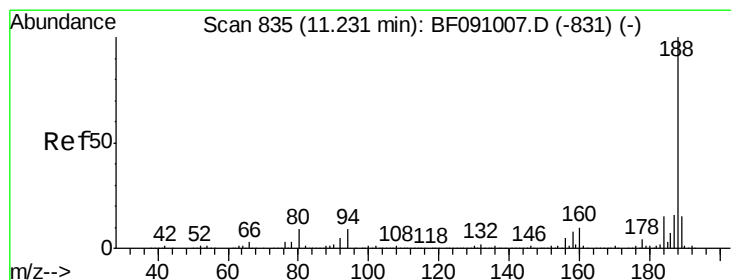
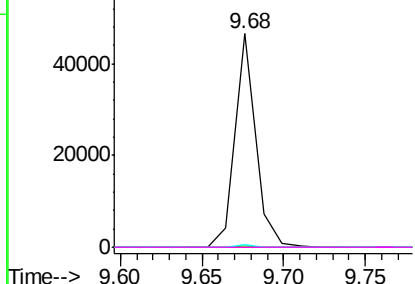
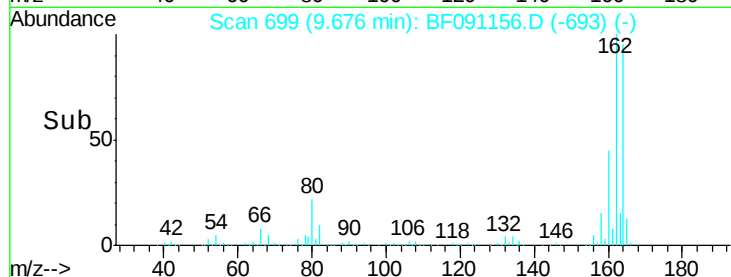
#56
 2,4-Dinitrotoluene
 Concen: 7.15 ng
 RT: 9.68 min Scan# 699
 Delta R.T. -0.23 min
 Lab File: BF091156.D
 Acq: 11 Nov 2016 22:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-COMP

Tgt Ion:165 Resp: 40612
 Ion Ratio Lower Upper
 165 100
 63 0.7 38.7 58.1#
 89 1.1 50.6 76.0#
 182 0.0 1.8 2.8#

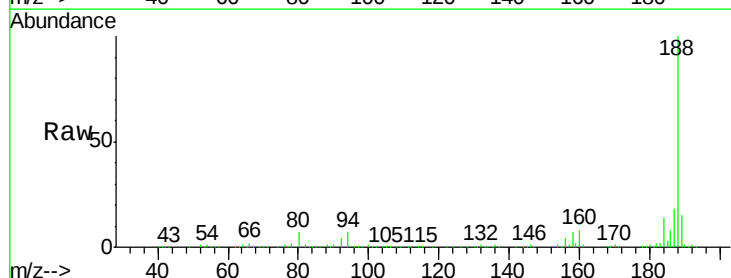


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

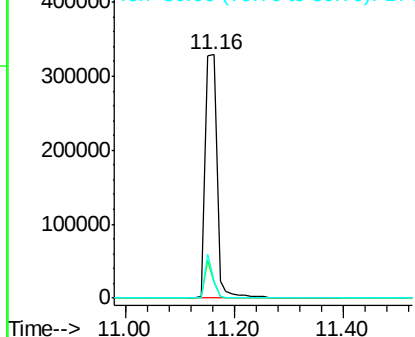
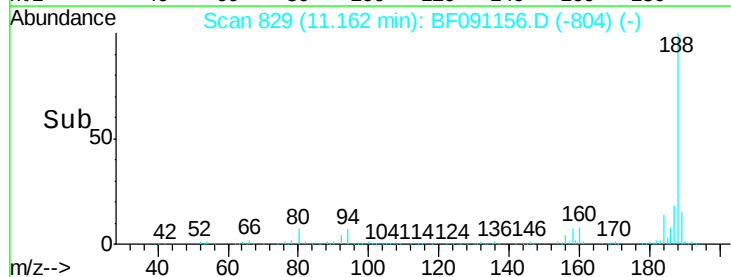


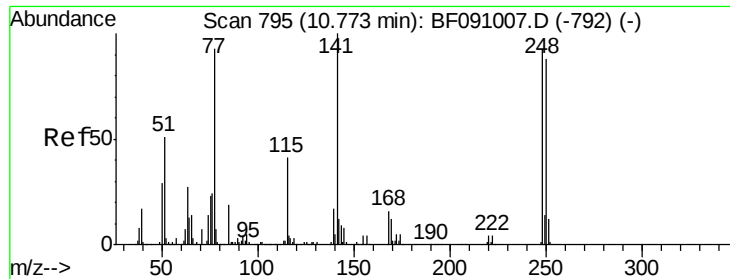
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.16 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF091156.D
 Acq: 11 Nov 2016 22:35

Tgt Ion:188 Resp: 493127
 Ion Ratio Lower Upper
 188 100
 94 6.7 7.0 10.4#
 80 7.1 7.5 11.3#



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

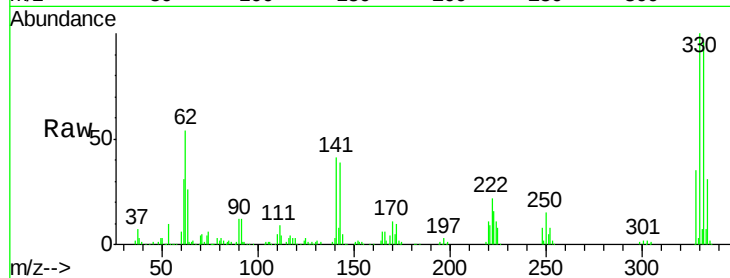




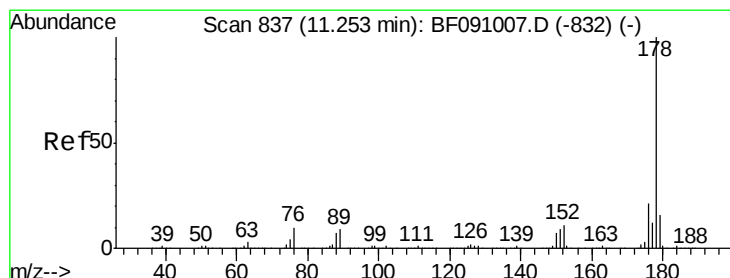
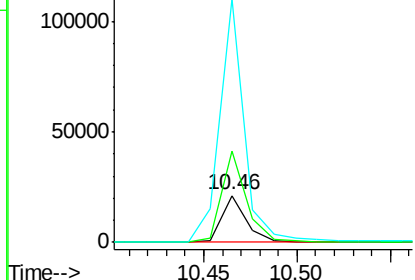
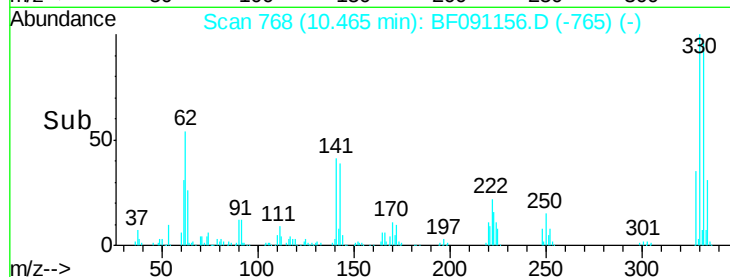
#66
 4-Bromophenyl-phenylether
 Concen: 3.79 ng
 RT: 10.46 min Scan# 768
 Delta R.T. -0.26 min
 Lab File: BF091156.D
 Acq: 11 Nov 2016 22:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-COMP

Tgt Ion:248 Resp: 19424
 Ion Ratio Lower Upper
 248 100
 250 195.4 76.3 114.5#
 141 518.6 86.8 130.2#

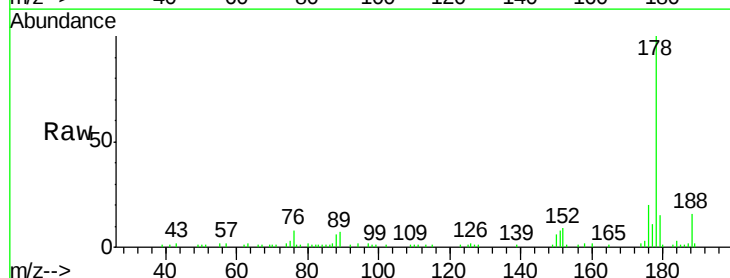


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

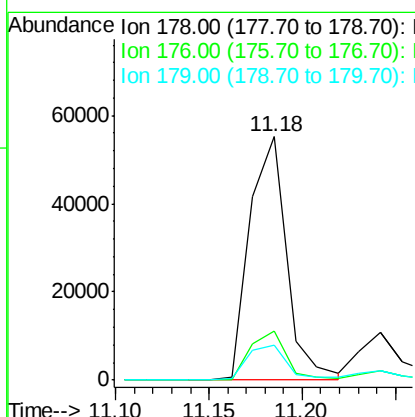
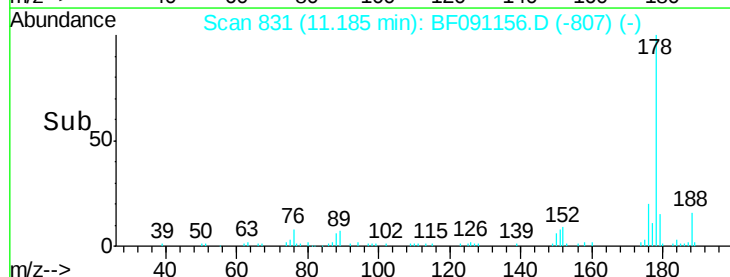


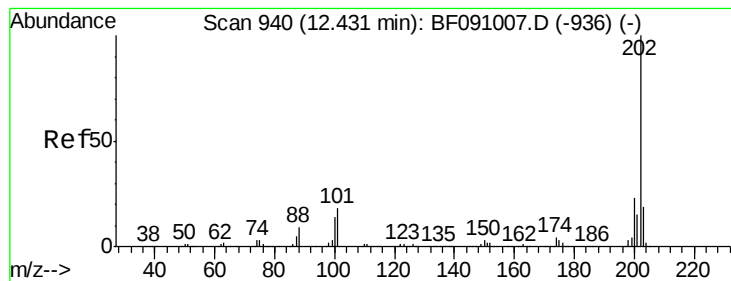
#70
 Phenanthrene
 Concen: 2.90 ng
 RT: 11.18 min Scan# 831
 Delta R.T. -0.02 min
 Lab File: BF091156.D
 Acq: 11 Nov 2016 22:35

Tgt Ion:178 Resp: 76133
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.6 25.0
 179 14.6 12.9 19.3



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: 6.61 ng

RT: 12.36 min Scan# 934

Delta R.T. -0.02 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

Instrument :

BNA_F

ClientSampleId :

SB-COMP

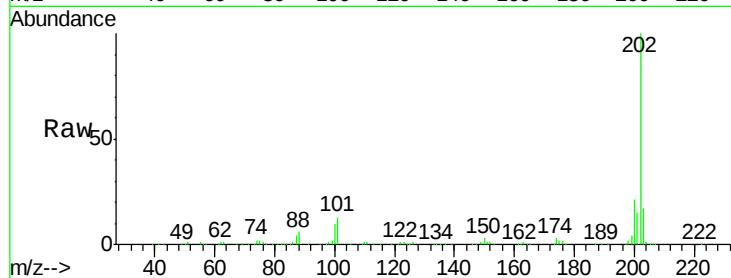
Tgt Ion:202 Resp: 179794

Ion Ratio Lower Upper

202 100

101 12.8 0.0 37.6

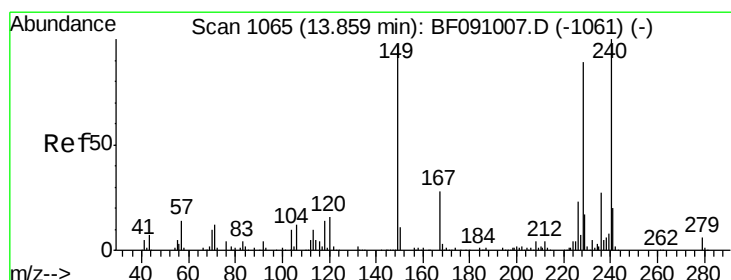
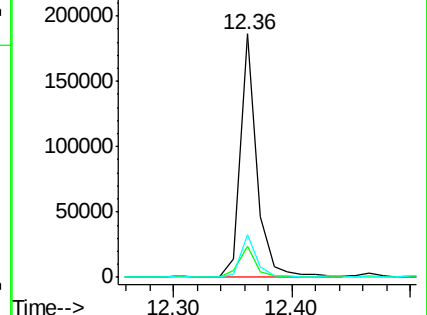
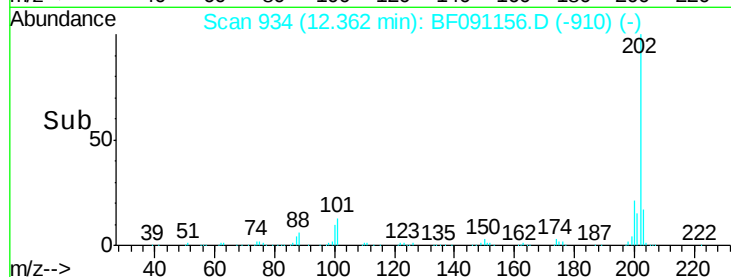
203 17.5 0.0 38.6



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: 13.78 min Scan# 1058

Delta R.T. -0.03 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

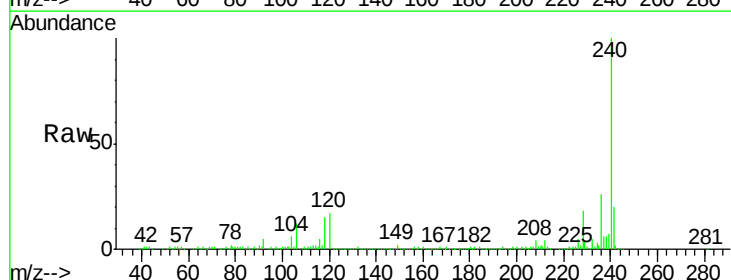
Tgt Ion:240 Resp: 367263

Ion Ratio Lower Upper

240 100

120 16.9 12.9 19.3

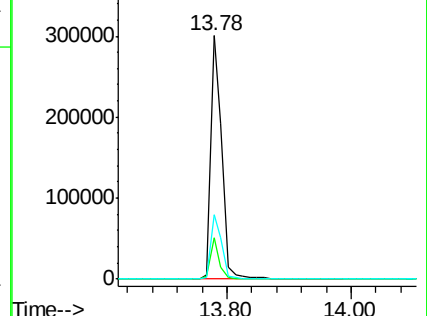
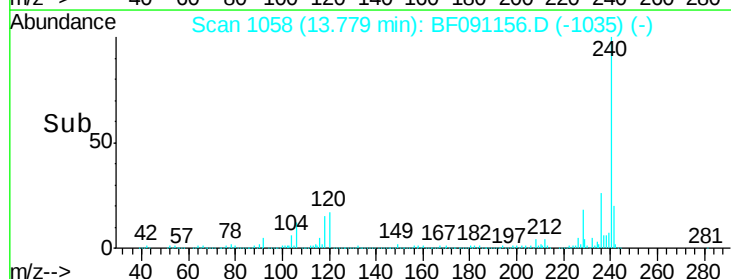
236 26.5 21.9 32.9

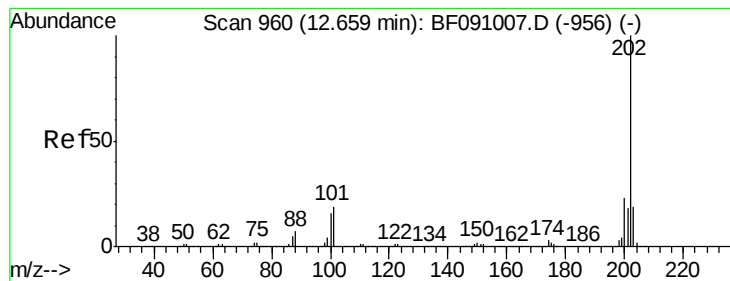


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 7.44 ng

RT: 12.59 min Scan# 954

Delta R.T. -0.02 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

Instrument :

BNA_F

ClientSampleId :

SB-COMP

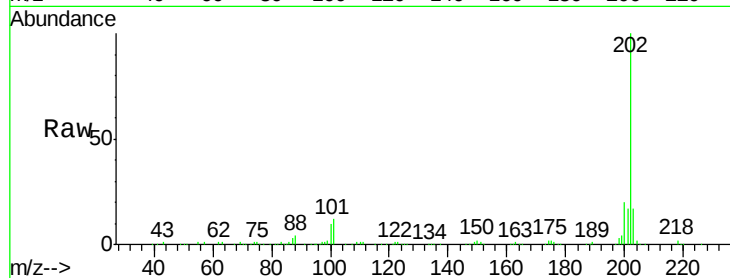
Tgt Ion: 202 Resp: 178839

Ion Ratio Lower Upper

202 100

200 20.3 18.4 27.6

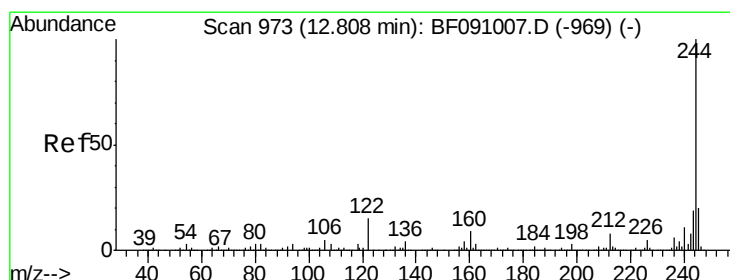
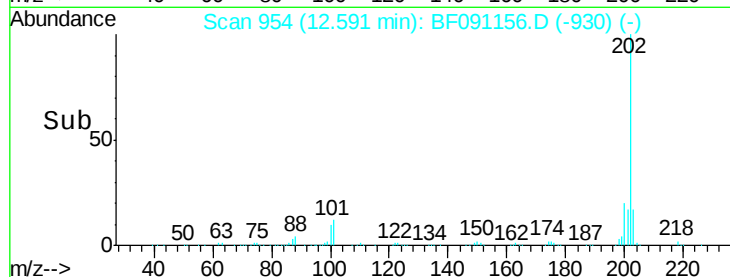
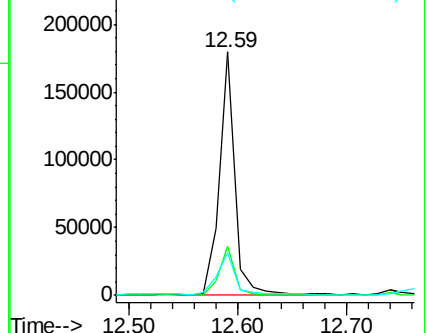
203 17.4 15.0 22.6



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: 80.84 ng

RT: 12.74 min Scan# 967

Delta R.T. -0.02 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

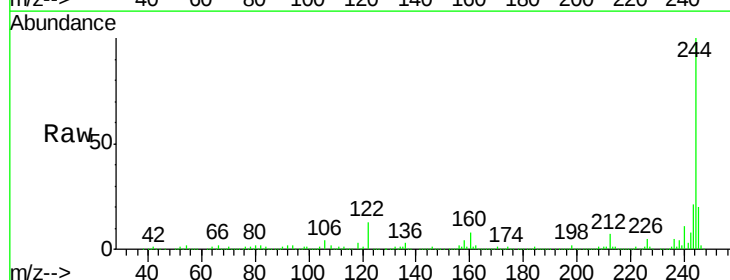
Tgt Ion: 244 Resp: 1189813

Ion Ratio Lower Upper

244 100

212 7.2 6.4 9.6

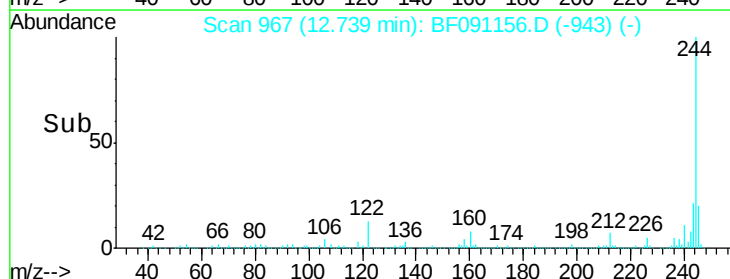
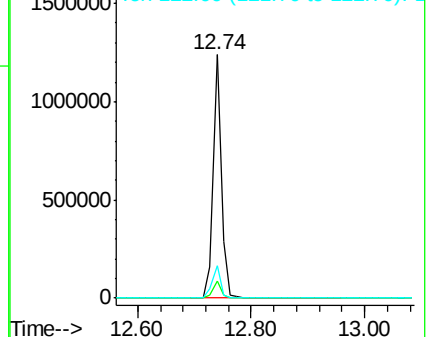
122 13.2 12.3 18.5

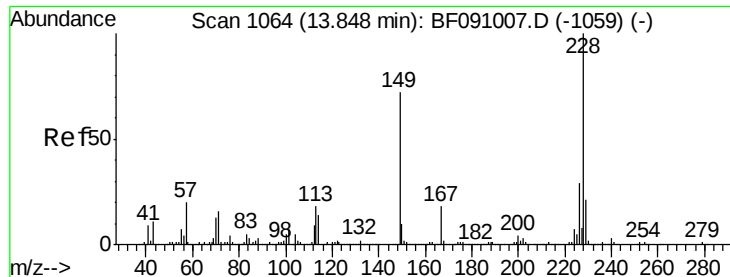


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.86 ng

RT: 13.78 min Scan# 1058

Delta R.T. -0.02 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

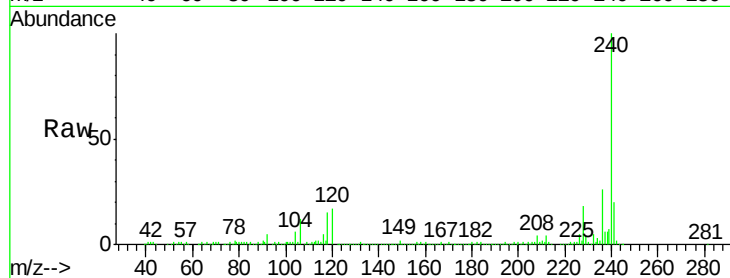
Instrument :

BNA_F

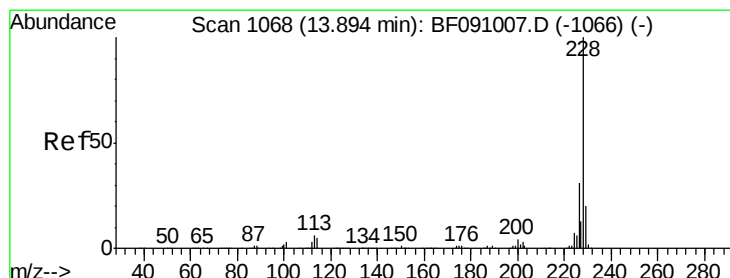
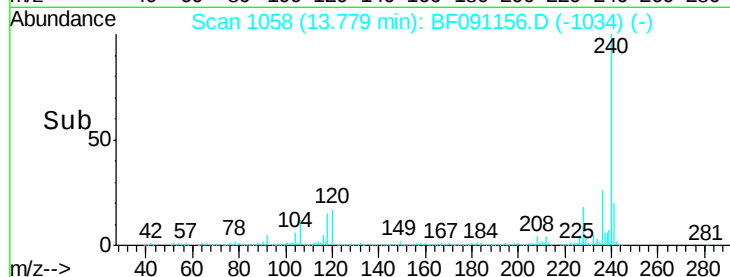
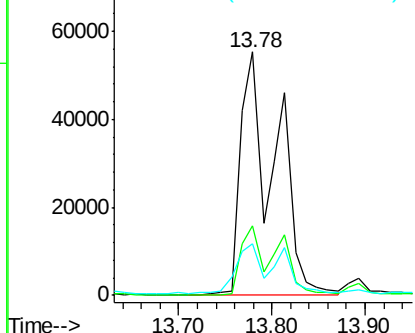
ClientSampleId :

SB-COMP

Tgt Ion:	228	Resp:	143016
Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.0	34.6
229	20.9	16.6	24.8



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



#82

Chrysene

Concen: 6.96 ng

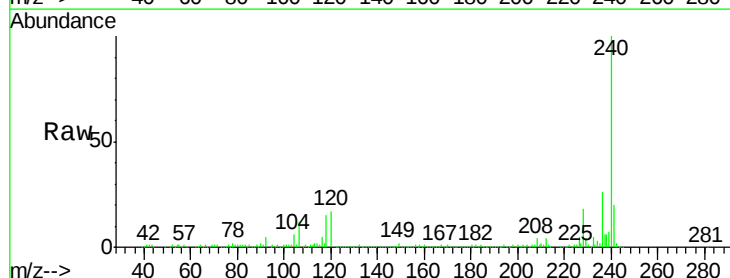
RT: 13.78 min Scan# 1058

Delta R.T. -0.06 min

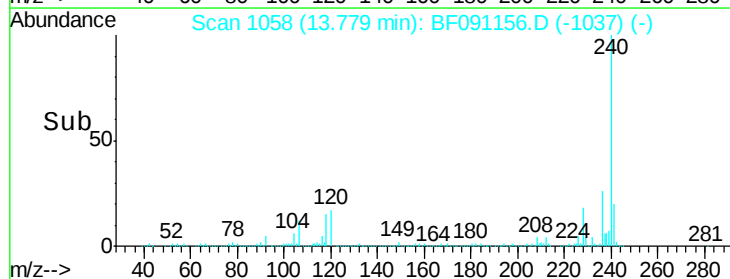
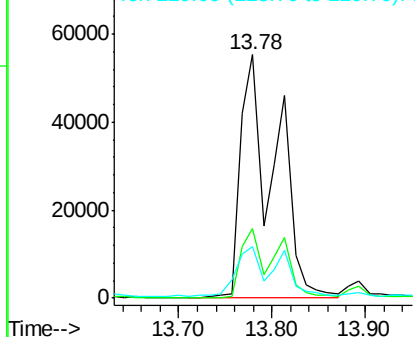
Lab File: BF091156.D

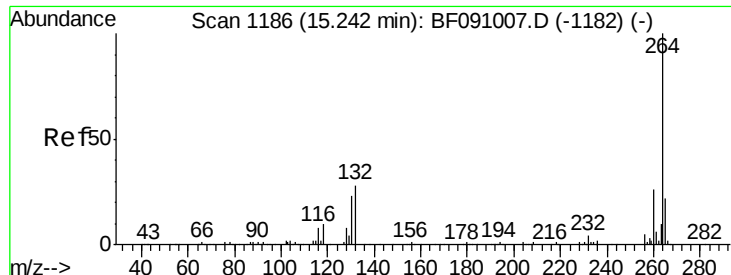
Acq: 11 Nov 2016 22:35

Tgt Ion:	228	Resp:	143016
Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.9	37.3
229	20.9	15.9	23.9



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

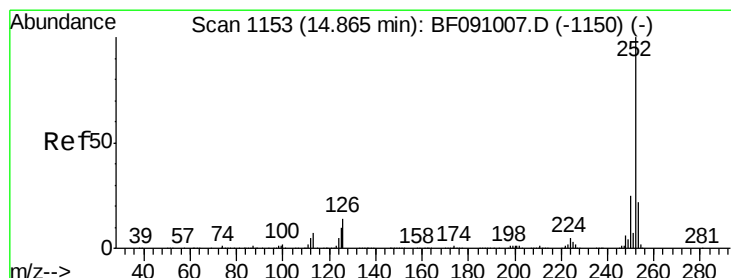
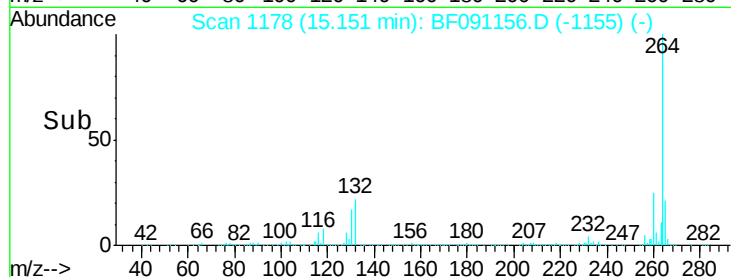
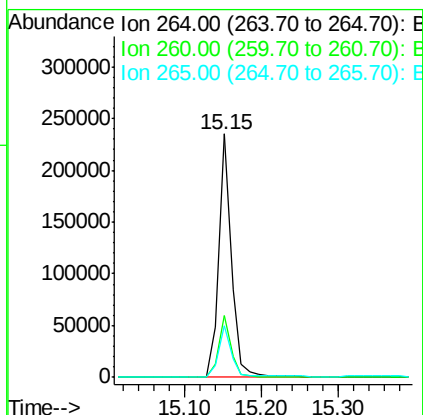
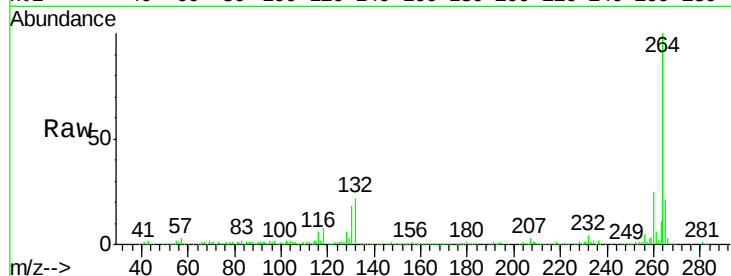




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1178
Delta R.T. -0.03 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

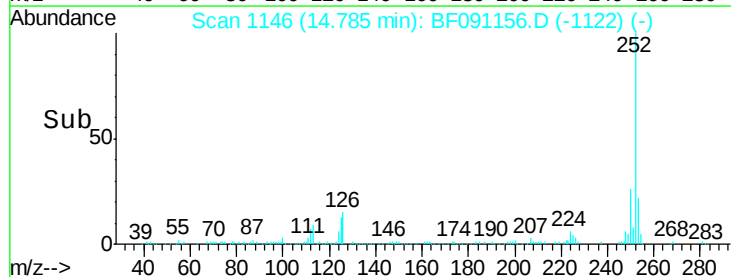
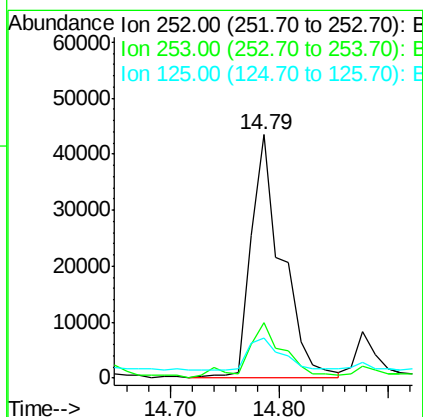
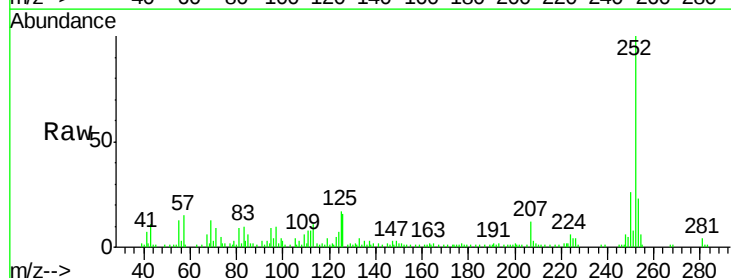
Instrument :
BNA_F
ClientSampleId :
SB-COMP

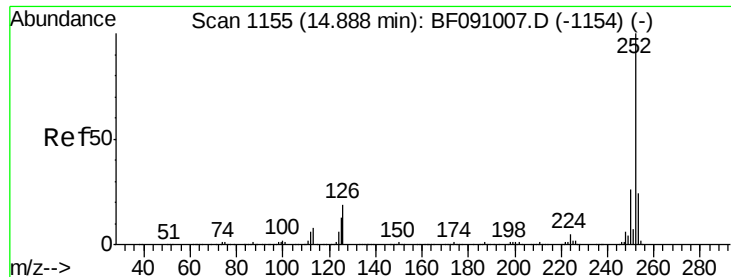
Tgt Ion: 264 Resp: 274193
Ion Ratio Lower Upper
264 100
260 25.3 20.6 30.8
265 21.1 17.8 26.8



#87
Benzo(b)fluoranthene
Concen: 4.60 ng
RT: 14.79 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Tgt Ion: 252 Resp: 85548
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 16.5 8.3 12.5#

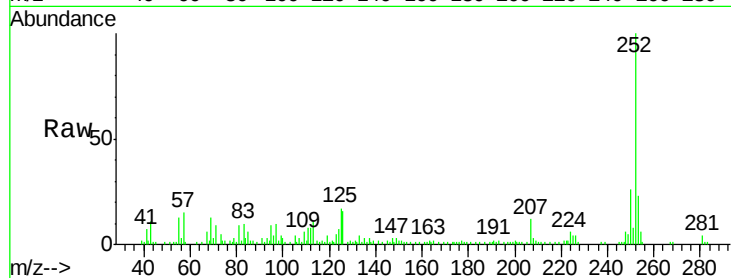




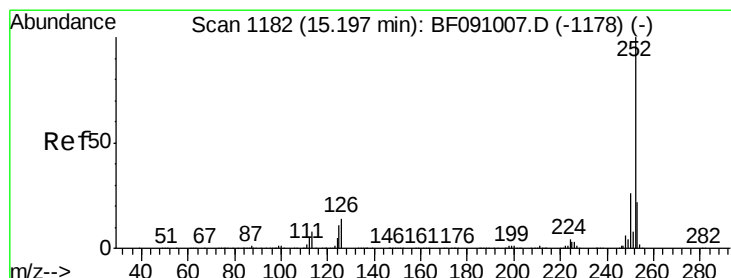
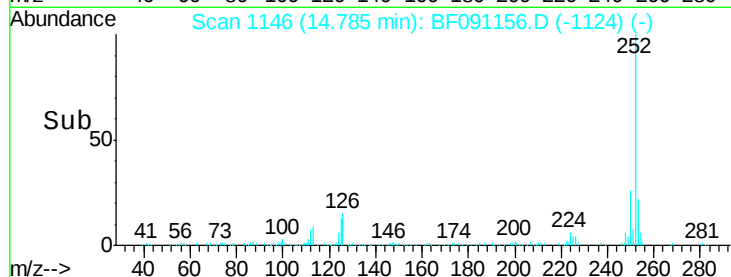
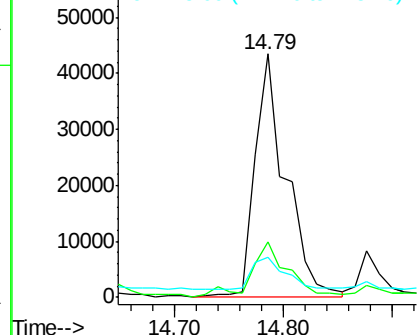
#88
Benzo(k)fluoranthene
Concen: 5.24 ng
RT: 14.79 min Scan# 1146
Delta R.T. -0.05 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Instrument :
BNA_F
ClientSampleId :
SB-COMP

Tgt Ion:252 Resp: 85548
Ion Ratio Lower Upper
252 100
253 22.8 18.6 28.0
125 16.5 11.2 16.8

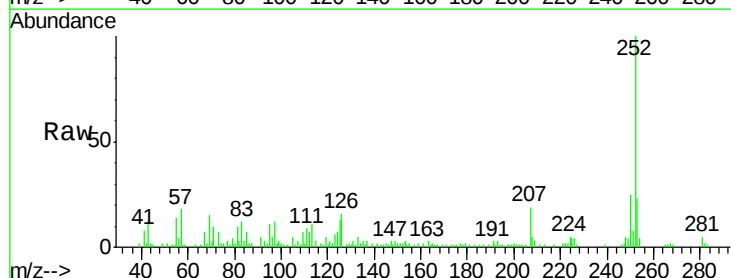


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

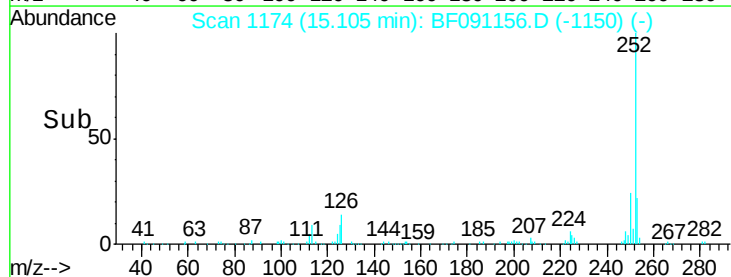
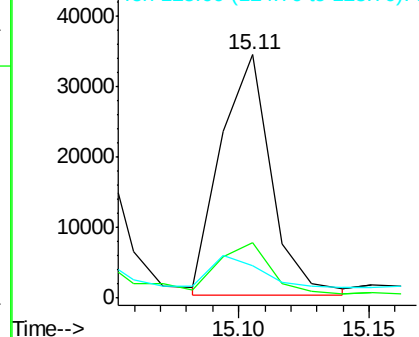


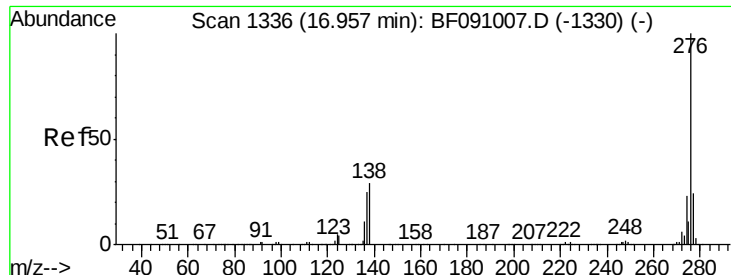
#89
Benzo(a)pyrene
Concen: 2.85 ng
RT: 15.11 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Tgt Ion:252 Resp: 46159
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 13.5 8.6 13.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.35 ng

RT: 16.81 min Scan# 1323

Delta R.T. -0.05 min

Lab File: BF091156.D

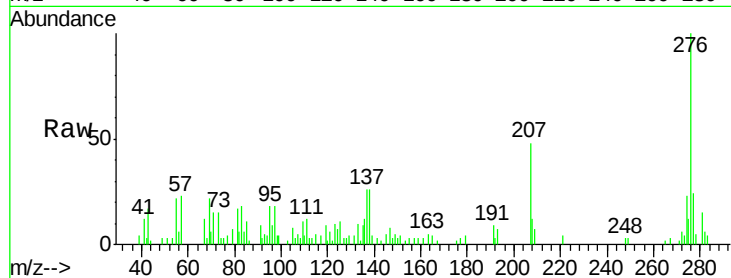
Acq: 11 Nov 2016 22:35

Instrument :

BNA_F

ClientSampleId :

SB-COMP



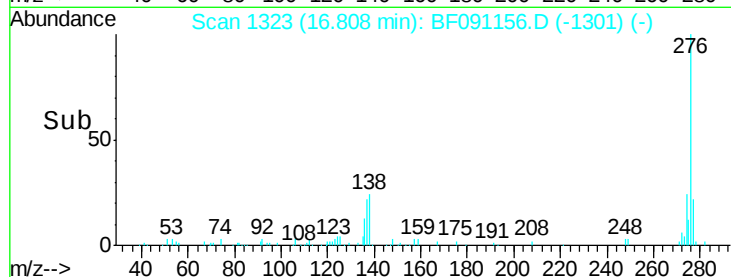
Tgt Ion: 276 Resp: 29791

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 26.2 23.3 34.9



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

