

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011317\
 Data File : BF092267.D
 Acq On : 14 Jan 2017 3:06
 Operator : UM/SJ
 Sample : I1147-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-01-0-2

Quant Time: Jan 16 01:31:20 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 16 01:02:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	204208	20.00	ng	-0.01
21) Naphthalene-d8	7.86	136	713532	20.00	ng	-0.02
38) Acenaphthene-d10	9.60	164	309833	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	452161	20.00	ng	-0.01
75) Chrysene-d12	13.72	240	292898	20.00	ng	-0.01
86) Perylene-d12	15.07	264	324001	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.17	112	1256595	102.75	ng	0.00
7) Phenol-d6	6.24	99	1749511	117.17	ng	-0.01
23) Nitrobenzene-d5	7.15	82	1005996	78.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.40	330	287395	112.08	ng	-0.01
44) 2-Fluorobiphenyl	8.94	172	1244410	81.81	ng	-0.01
78) Terphenyl-d14	12.67	244	803059	66.50	ng	-0.02

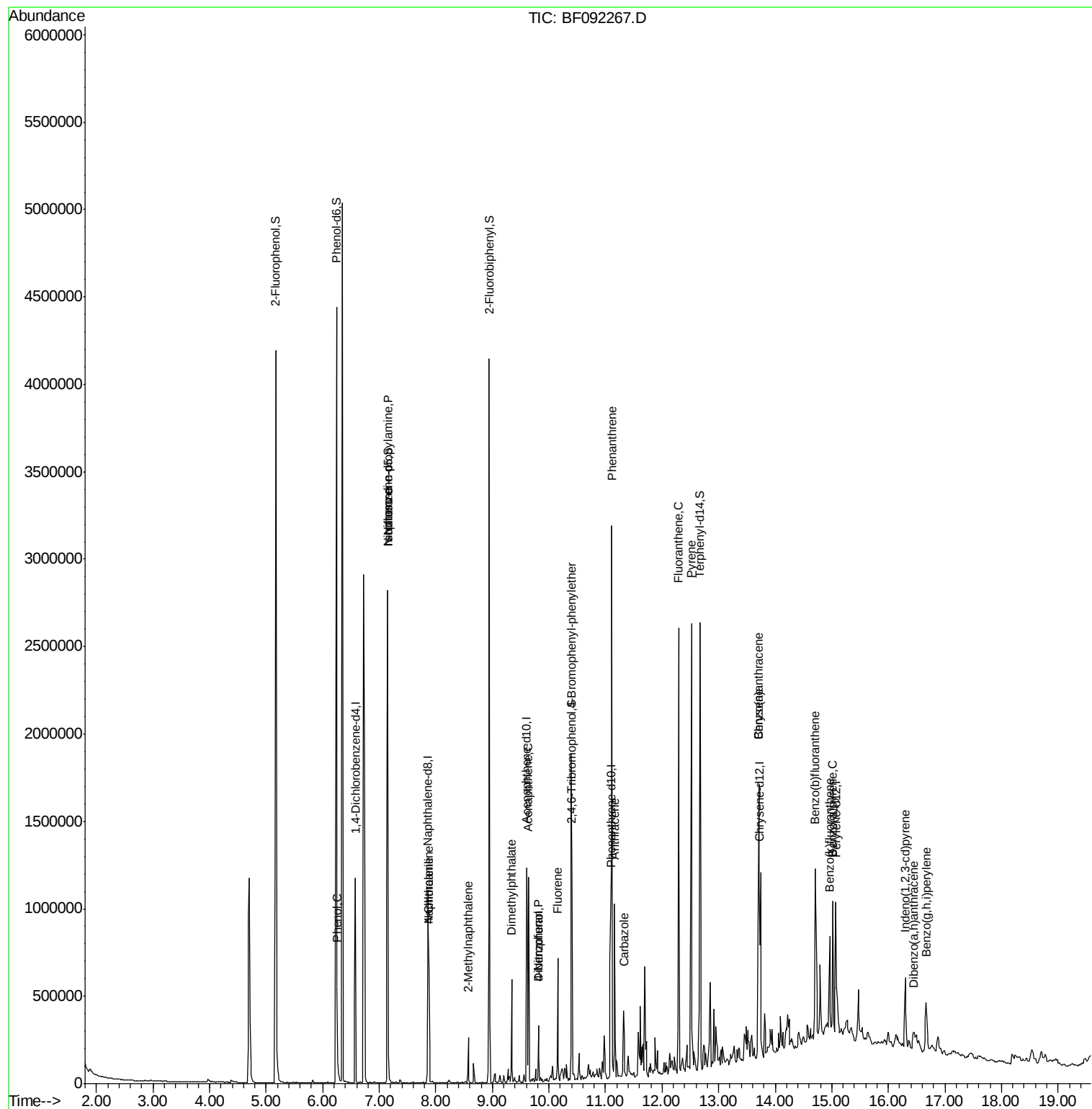
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.26	94	98950	5.82	ng	# 66
19) n-Nitroso-di-n-propylamine	7.15	70	133717	13.46	ng	# 76
25) Isophorone	7.15	82	1002273	42.34	ng	# 65
31) Naphthalene	7.88	128	301482	9.23	ng	98
33) 4-Chloroaniline	7.88	127	38302	2.60	ng	# 31
37) 2-Methylnaphthalene	8.58	142	71792	2.37	ng	97
49) Dimethylphthalate	9.34	163	225162	11.36	ng	99
51) Acenaphthene	9.64	154	255700	14.60	ng	98
54) Dibenzofuran	9.81	168	138526	5.86	ng	98
55) 4-Nitrophenol	9.81	139	51705	14.19	ng	# 6
57) Fluorene	10.15	166	188459	10.95	ng	100
66) 4-Bromophenyl-phenylether	10.39	248	17256	3.67	ng	# 1
70) Phenanthrene	11.11	178	1288702	52.56	ng	98
71) Anthracene	11.16	178	406905	14.96	ng	98
72) Carbazole	11.32	167	183736	6.67	ng	99
73) Di-n-butylphthalate	11.66	149	4865	Below Cal		# 43
74) Fluoranthene	12.29	202	1218645	57.74	ng	99
76) Benzydine	12.67	184	11689	Below Cal		95
77) Pyrene	12.52	202	1057924	49.23	ng	99
80) Benzo(a)anthracene	13.71	228	567609	34.33	ng	99
82) Chrysene	13.71	228	567609	34.23	ng	95
85) Indeno(1,2,3-cd)pyrene	16.30	276	249901	17.39	ng	93
87) Benzo(b)fluoranthene	14.70	252	782509	38.79	ng	97
88) Benzo(k)fluoranthene	14.97	252	260262	15.13	ng	98
89) Benzo(a)pyrene	15.01	252	426541	23.82	ng	97
90) Dibenzo(a,h)anthracene	16.45	278	55074	3.74	ng	96
91) Benzo(g,h,i)perylene	16.67	276	217799	14.23	ng	97

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2

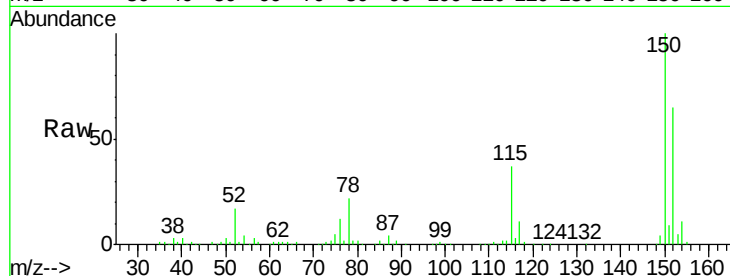
Tgt Ion:152 Resp: 204208

Ion Ratio Lower Upper

152 100

150 154.2 124.9 187.3

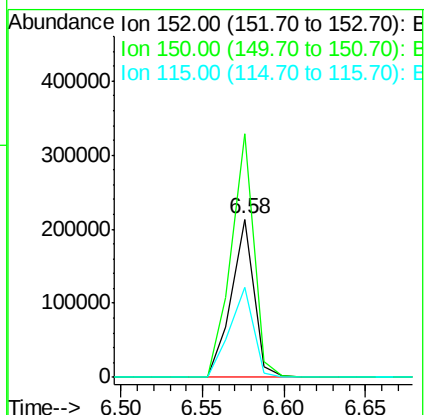
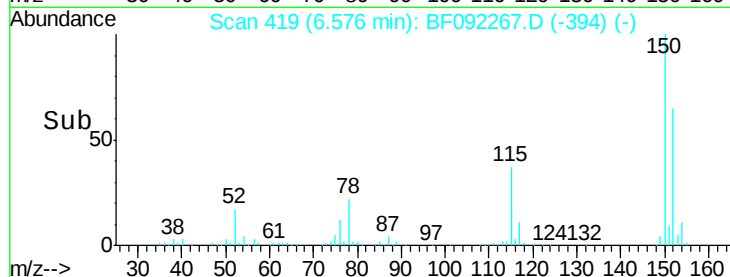
115 57.0 46.0 69.0



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: 102.75 ng

RT: 5.17 min Scan# 296

Delta R.T. 0.00 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

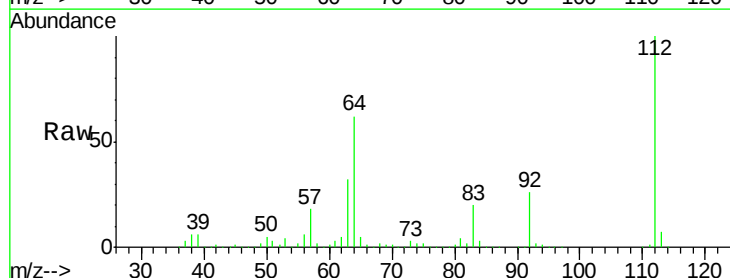
Tgt Ion:112 Resp: 1256595

Ion Ratio Lower Upper

112 100

64 61.8 46.1 69.1

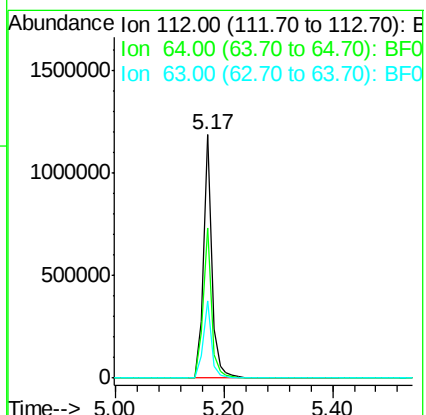
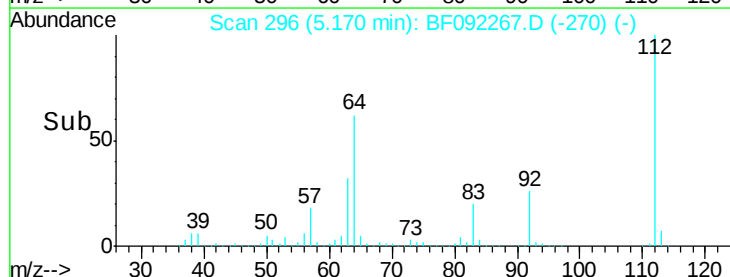
63 31.8 23.8 35.6

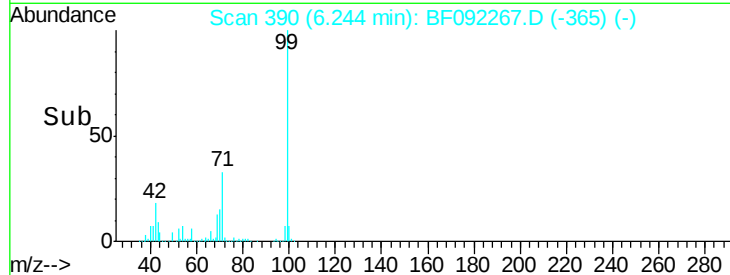
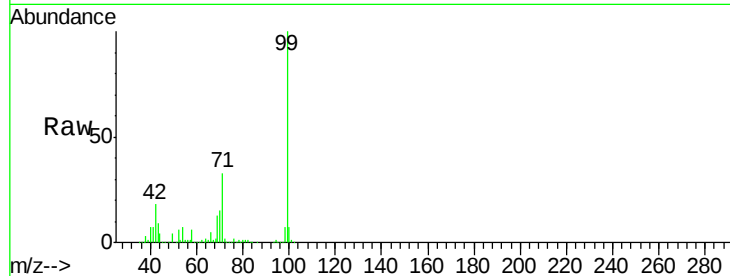


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.17 ng

RT: 6.24 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

Instrument :

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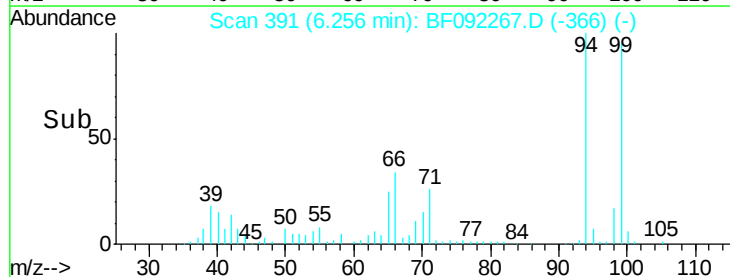
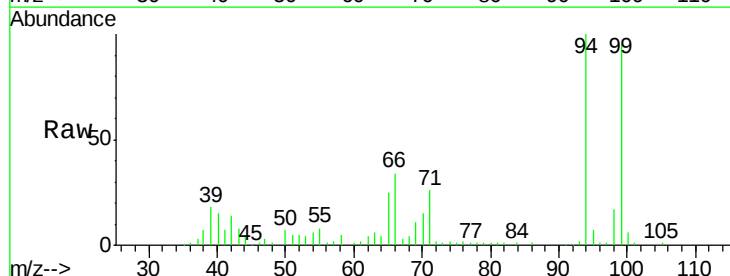
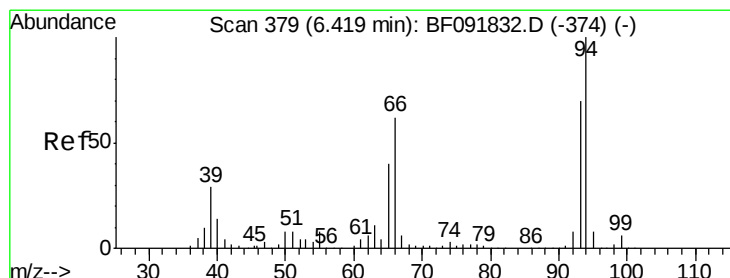
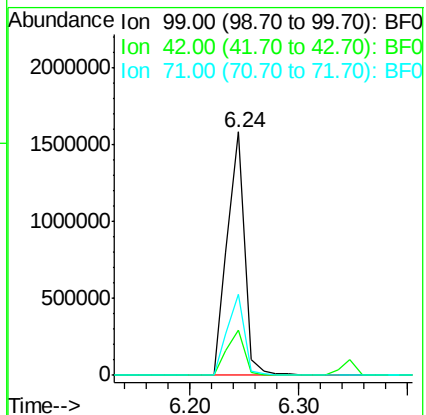
Tgt Ion: 99 Resp: 1749511

Ion Ratio Lower Upper

99 100

42 18.5 15.6 23.4

71 33.2 27.5 41.3



#10

Phenol

Concen: 5.82 ng

RT: 6.26 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

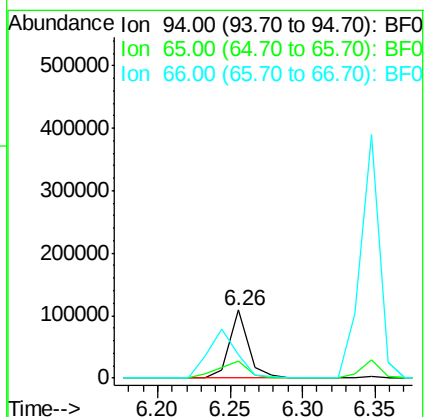
Tgt Ion: 94 Resp: 98950

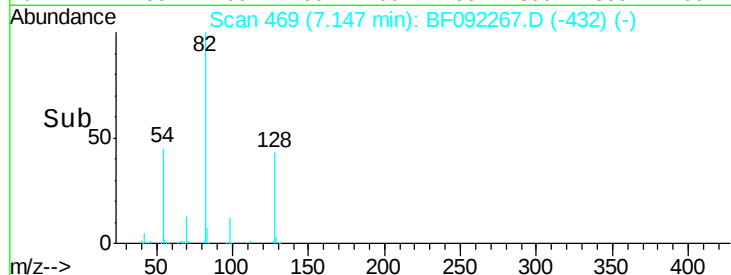
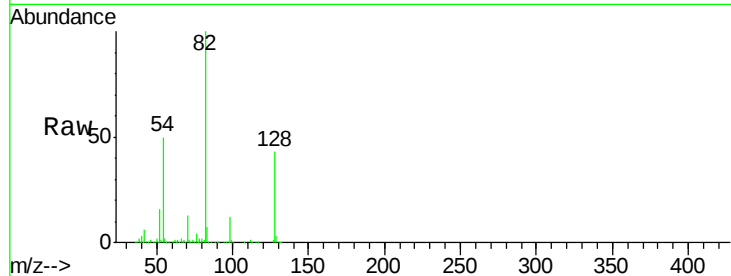
Ion Ratio Lower Upper

94 100

65 24.9 21.4 61.4

66 33.7 44.0 84.0#

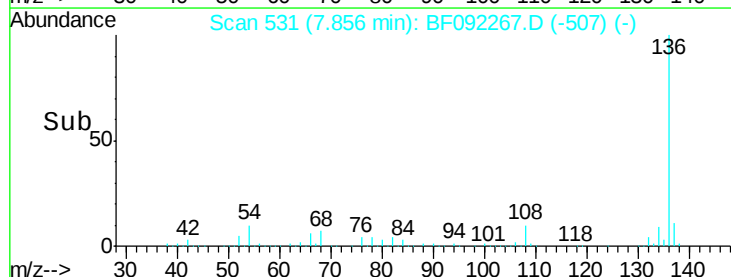
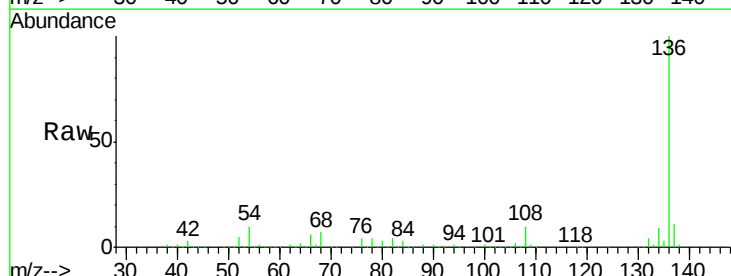
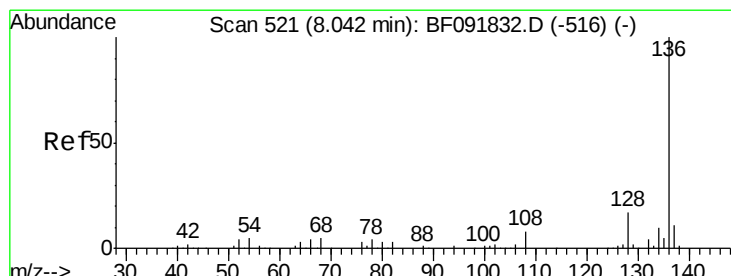
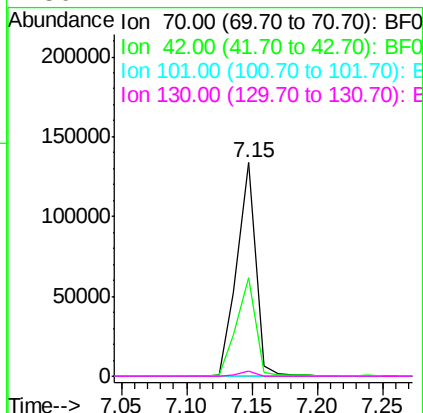




#19
n-Nitroso-di-n-propylamine
Concen: 13.46 ng
RT: 7.15 min Scan# 469
Delta R.T. 0.13 min
Lab File: BF092267.D
Acq: 14 Jan 2017 3:06

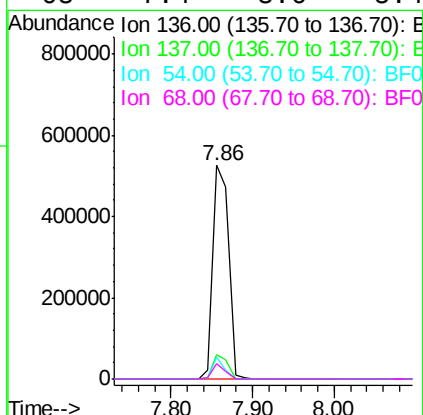
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2

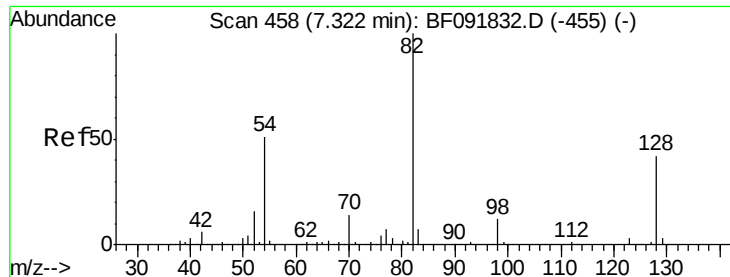
Tgt Ion: 70 Resp: 133717
Ion Ratio Lower Upper
70 100
42 46.3 49.4 74.0#
101 0.0 7.4 11.2#
130 2.1 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF092267.D
Acq: 14 Jan 2017 3:06

Tgt Ion: 136 Resp: 713532
Ion Ratio Lower Upper
136 100
137 11.5 8.4 12.6
54 10.0 4.5 6.7#
68 7.4 3.6 5.4#

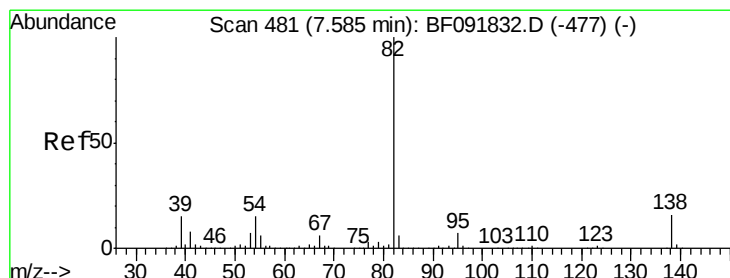
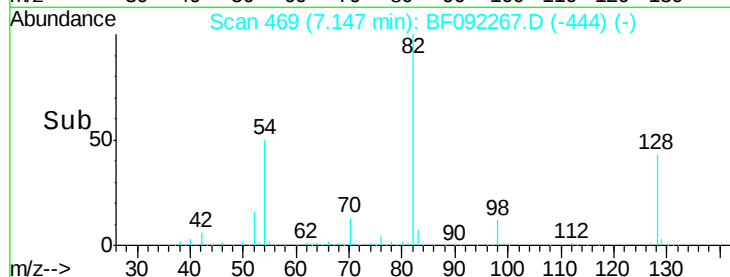
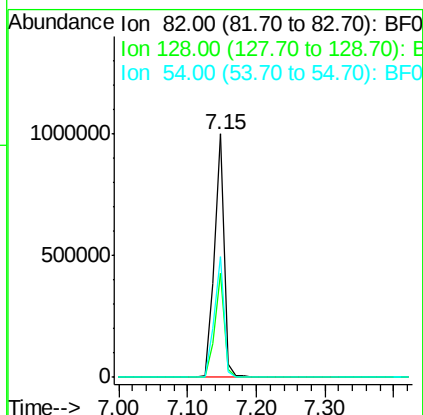
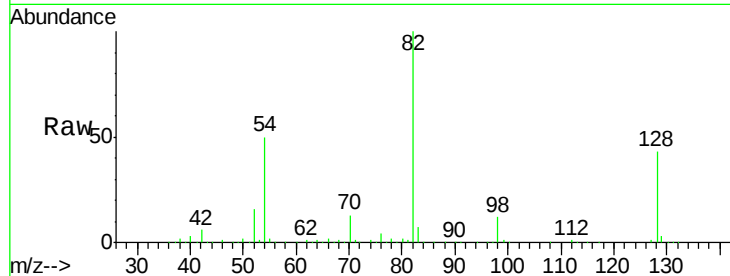




#23
Nitrobenzene-d5
Concen: 78.40 ng
RT: 7.15 min Scan# 469
Delta R.T. -0.01 min
Lab File: BF092267.D
Acq: 14 Jan 2017 3:06

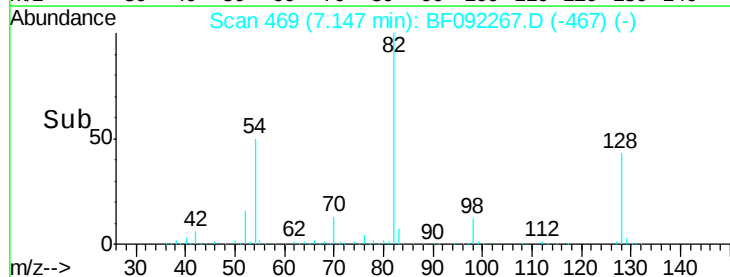
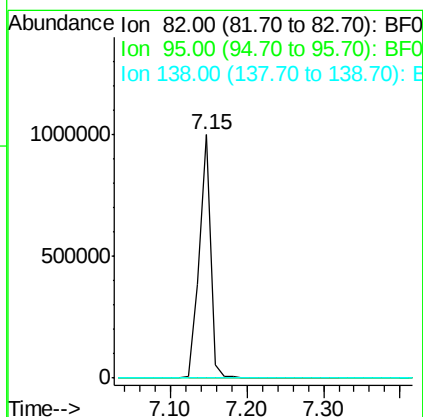
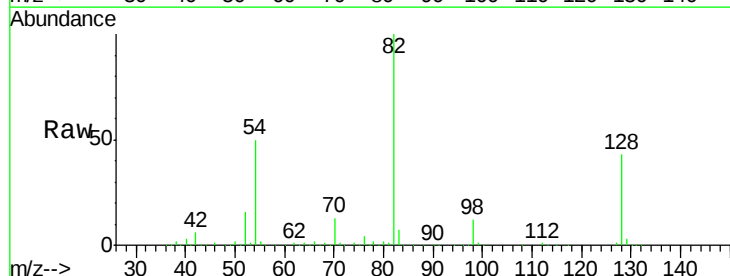
Instrument :
BNA_F
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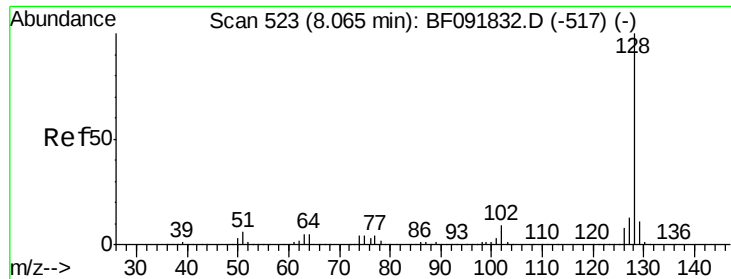
Tgt Ion: 82 Resp: 1005996
Ion Ratio Lower Upper
82 100
128 42.7 34.6 52.0
54 49.7 39.5 59.3



#25
Isophorone
Concen: 42.34 ng
RT: 7.15 min Scan# 469
Delta R.T. -0.27 min
Lab File: BF092267.D
Acq: 14 Jan 2017 3:06

Tgt Ion: 82 Resp: 1002273
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#

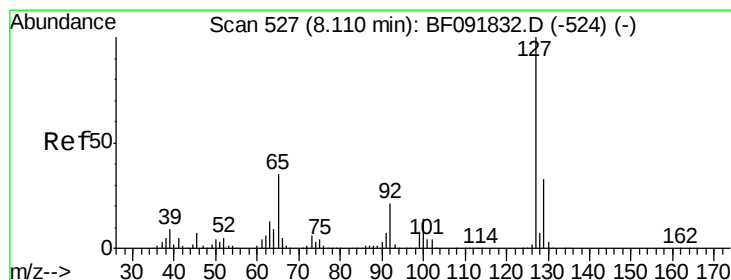
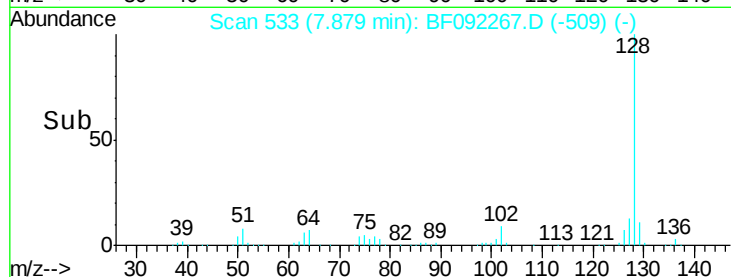
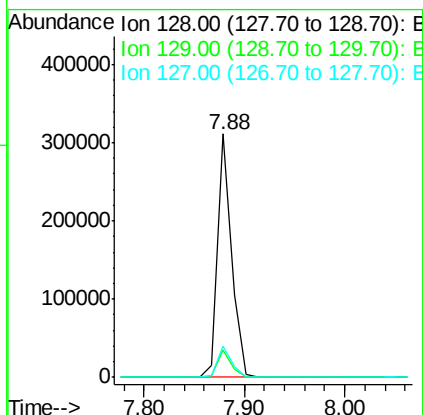
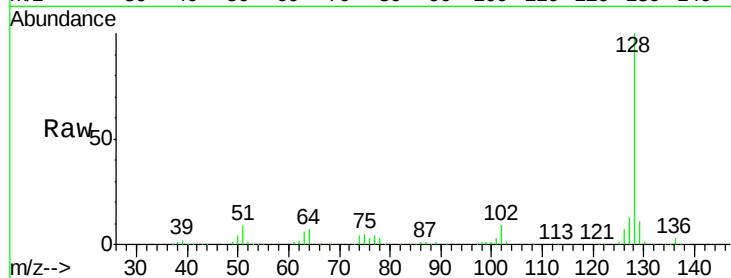




#31
Naphthalene
Concen: 9.23 ng
RT: 7.88 min Scan# 533
Delta R.T. -0.02 min
Lab File: BF092267.D
Acq: 14 Jan 2017 3:06

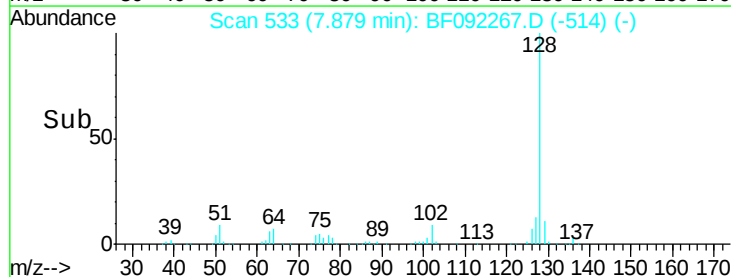
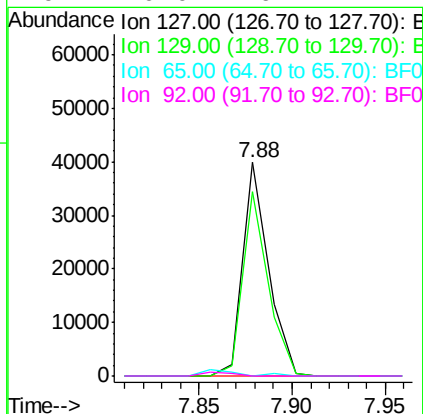
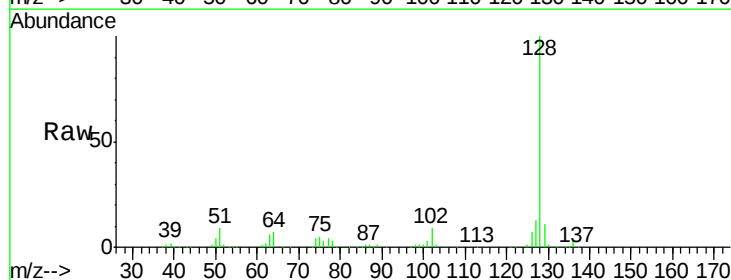
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2

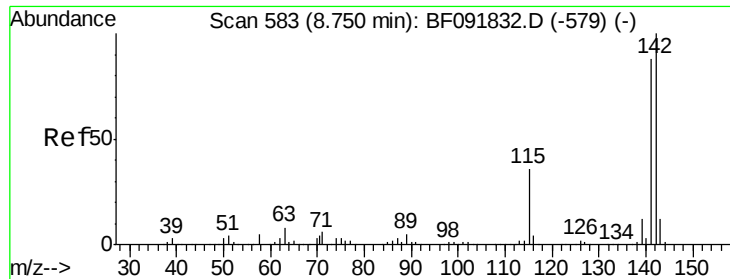
Tgt Ion:128 Resp: 301482
Ion Ratio Lower Upper
128 100
129 11.1 9.5 14.3
127 12.8 10.8 16.2



#33
4-Chloroaniline
Concen: 2.60 ng
RT: 7.88 min Scan# 533
Delta R.T. -0.08 min
Lab File: BF092267.D
Acq: 14 Jan 2017 3:06

Tgt Ion:127 Resp: 38302
Ion Ratio Lower Upper
127 100
129 86.2 26.3 39.5#
65 0.0 25.8 38.8#
92 0.0 16.1 24.1#

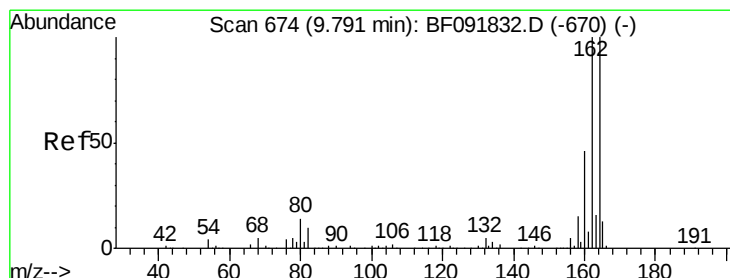
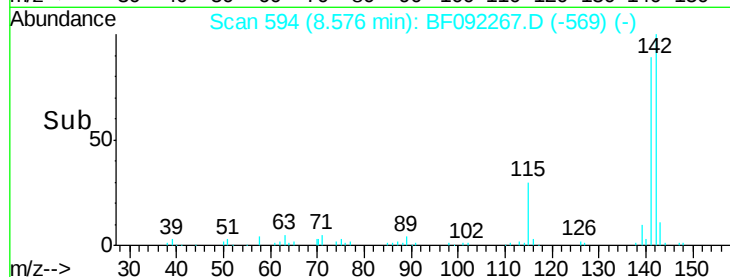
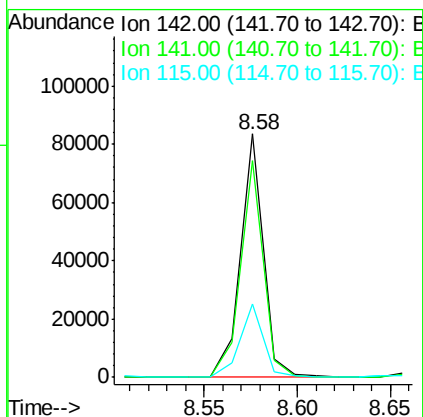
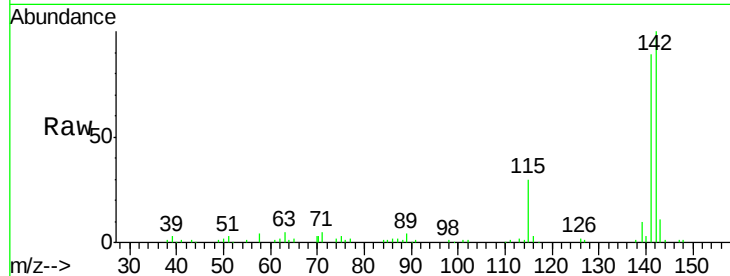




#37
2-Methylnaphthalene
Concen: 2.37 ng
RT: 8.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF092267.D
Acq: 14 Jan 2017 3:06

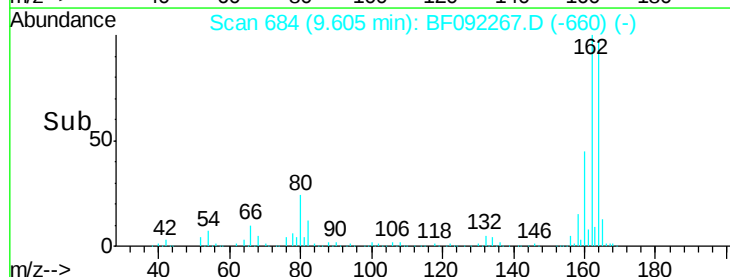
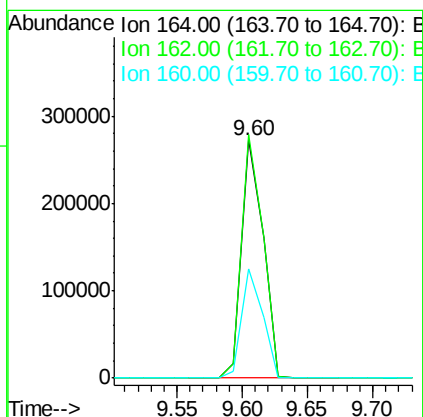
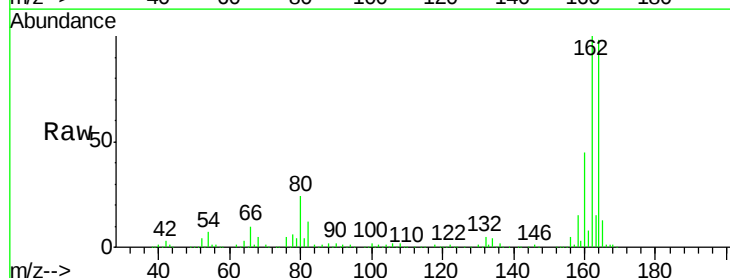
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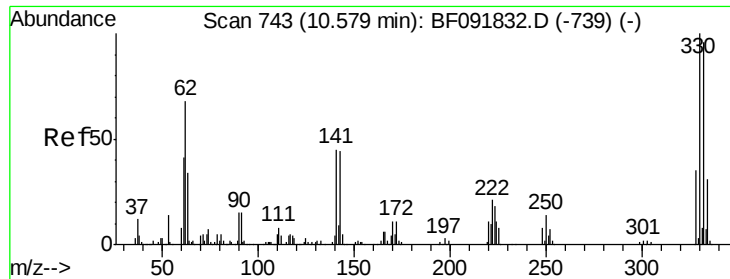
Tgt Ion:142 Resp: 71792
Ion Ratio Lower Upper
142 100
141 89.1 71.0 106.6
115 30.4 28.3 42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.60 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF092267.D
Acq: 14 Jan 2017 3:06

Tgt Ion:164 Resp: 309833
Ion Ratio Lower Upper
164 100
162 102.2 80.2 120.2
160 45.7 36.9 55.3

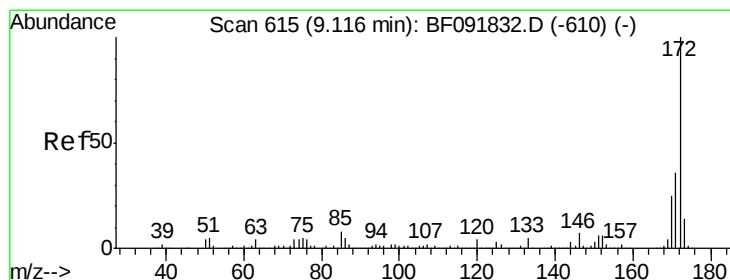
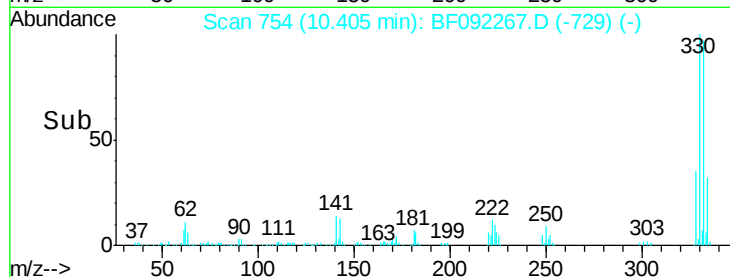
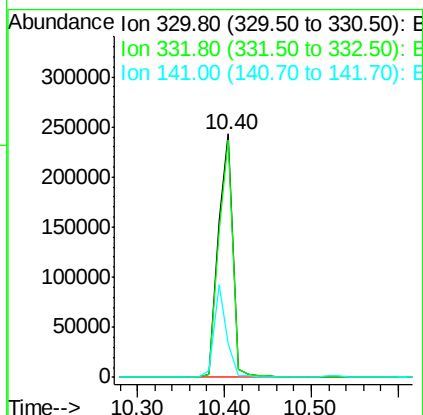
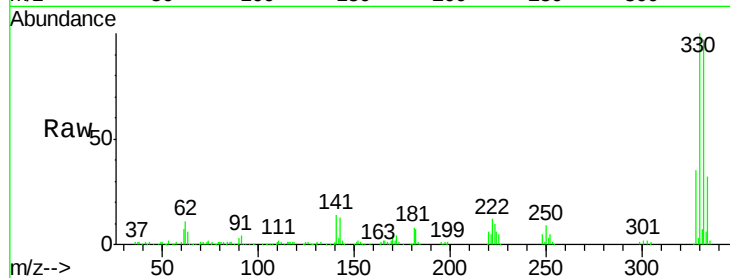




#41
 2,4,6-Tribromophenol
 Concen: 112.08 ng
 RT: 10.40 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF092267.D
 Acq: 14 Jan 2017 3:06

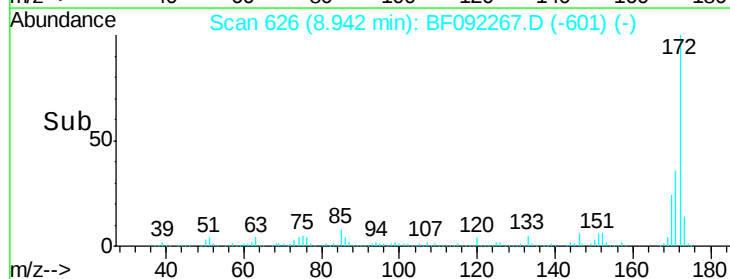
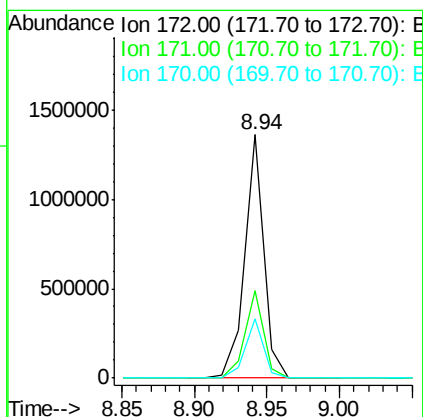
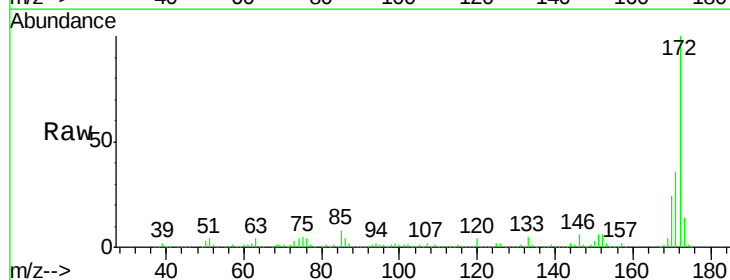
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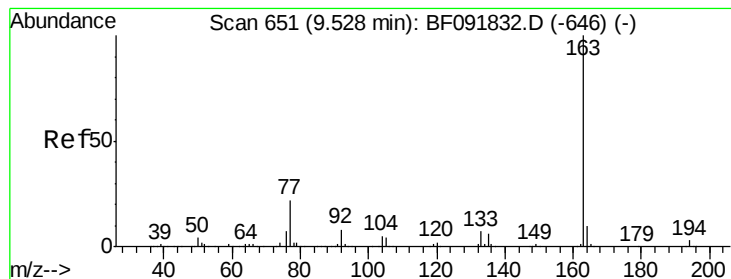
Tgt Ion:330 Resp: 287395
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.4 116.2
 141 33.2 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 81.81 ng
 RT: 8.94 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF092267.D
 Acq: 14 Jan 2017 3:06

Tgt Ion:172 Resp: 1244410
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.2 20.2 30.4





#49

Dimethylphthalate

Concen: 11.36 ng

RT: 9.34 min Scan# 661

Delta R.T. -0.02 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2

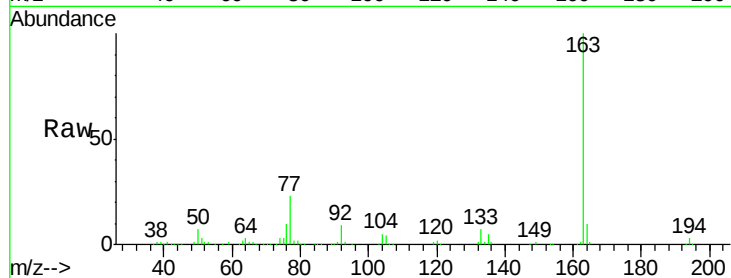
Tgt Ion:163 Resp: 225162

Ion Ratio Lower Upper

163 100

194 3.1 3.0 4.4

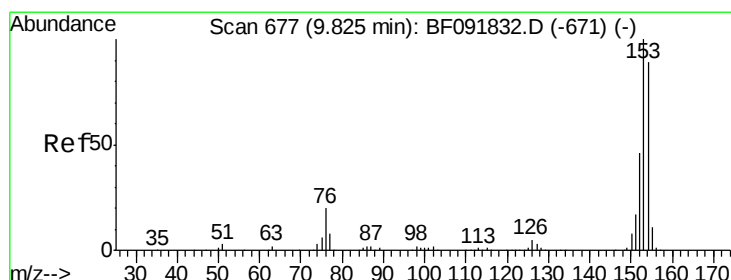
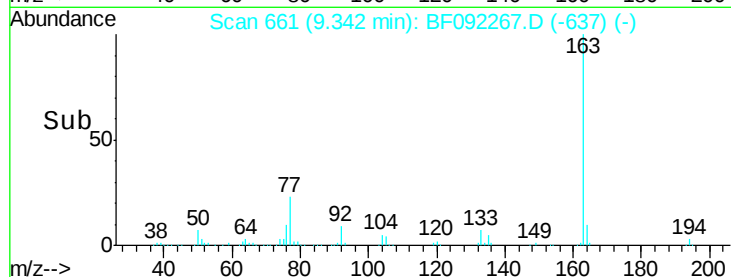
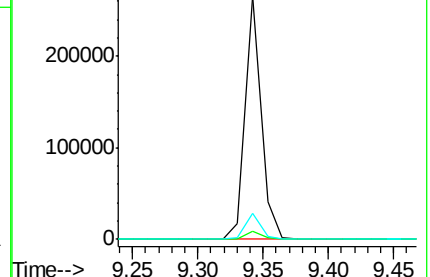
164 10.5 8.0 12.0



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



#51

Acenaphthene

Concen: 14.60 ng

RT: 9.64 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

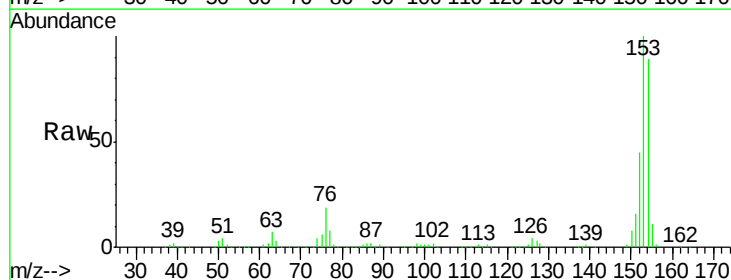
Tgt Ion:154 Resp: 255700

Ion Ratio Lower Upper

154 100

153 112.7 88.6 133.0

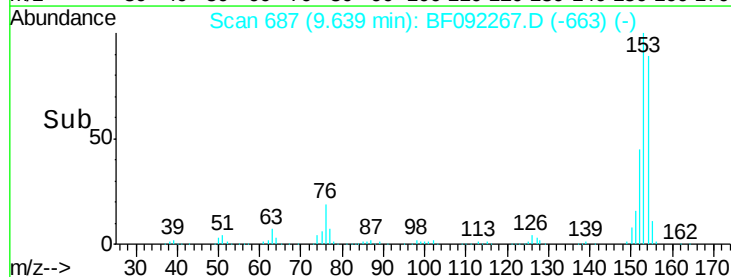
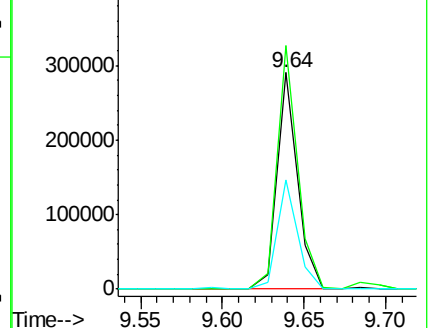
152 50.8 41.6 62.4

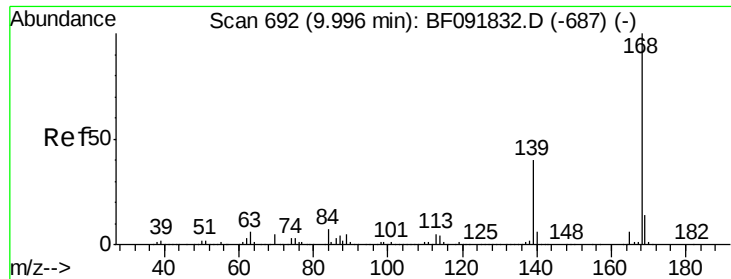


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

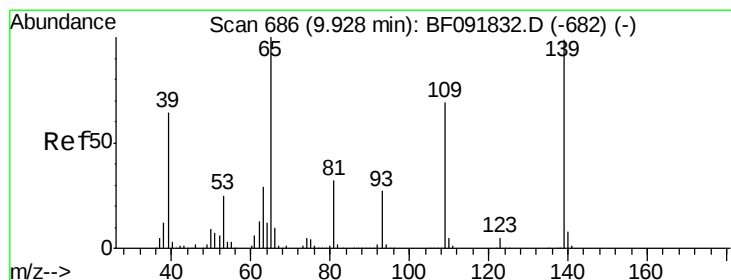
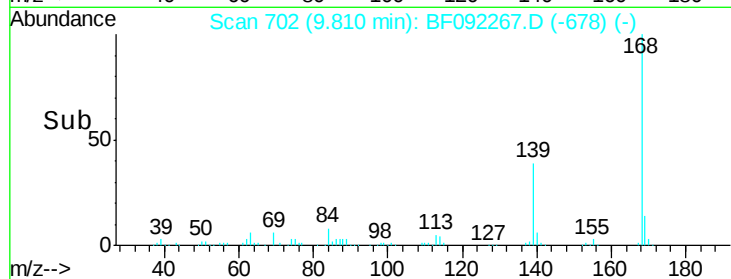
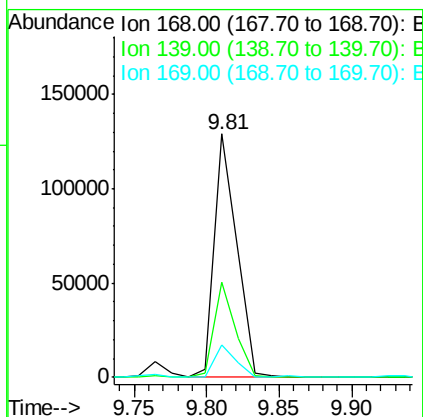
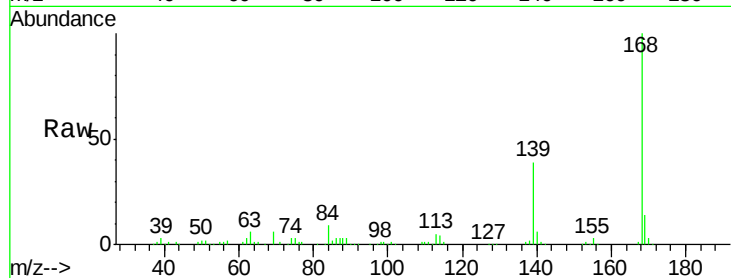




#54
Dibenzofuran
Concen: 5.86 ng
RT: 9.81 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF092267.D
Acq: 14 Jan 2017 3:06

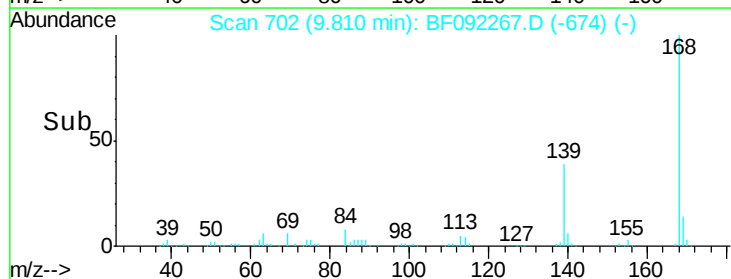
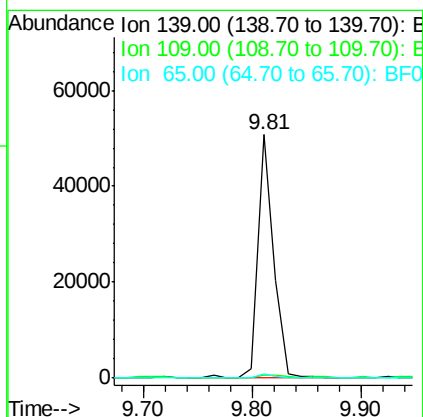
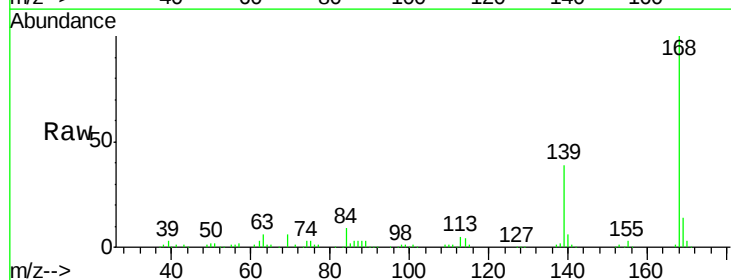
Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2

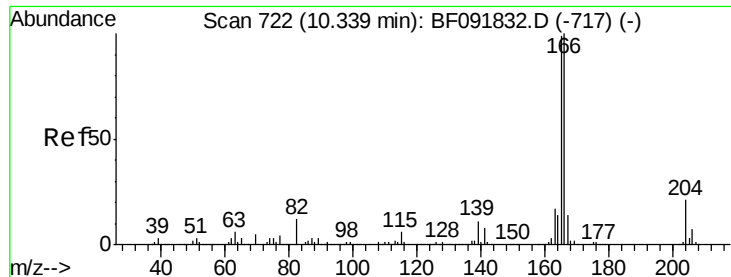
Tgt Ion:168 Resp: 138526
Ion Ratio Lower Upper
168 100
139 39.3 32.6 49.0
169 13.5 11.3 16.9



#55
4-Nitrophenol
Concen: 14.19 ng
RT: 9.81 min Scan# 702
Delta R.T. 0.02 min
Lab File: BF092267.D
Acq: 14 Jan 2017 3:06

Tgt Ion:139 Resp: 51705
Ion Ratio Lower Upper
139 100
109 1.5 52.2 92.2#
65 1.8 85.8 125.8#

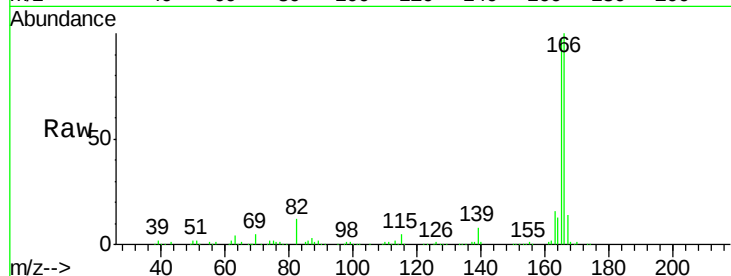




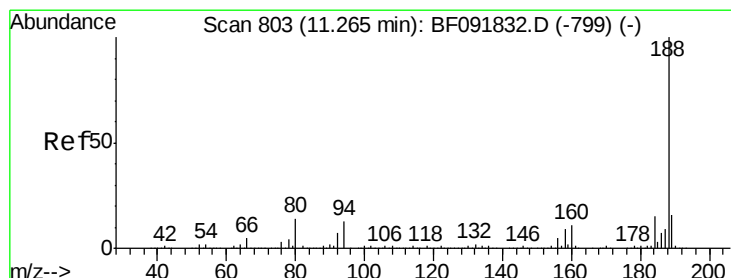
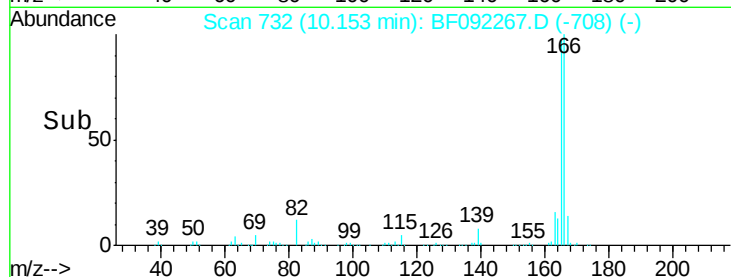
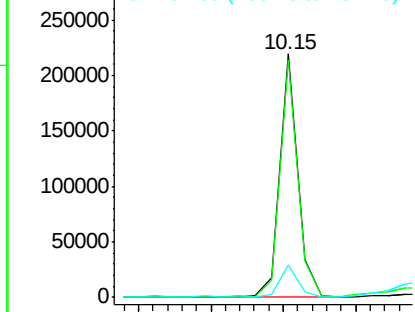
#57
Fluorene
 Concen: 10.95 ng
 RT: 10.15 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: BF092267.D
 Acq: 14 Jan 2017 3:06

Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-01-0-2

Tgt Ion:166 Resp: 188459
 Ion Ratio Lower Upper
 166 100
 165 97.3 77.8 116.8
 167 13.6 10.8 16.2

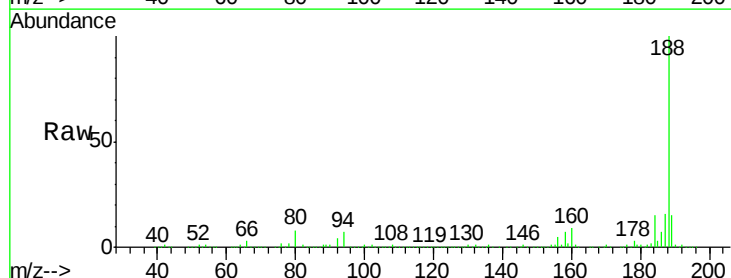


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

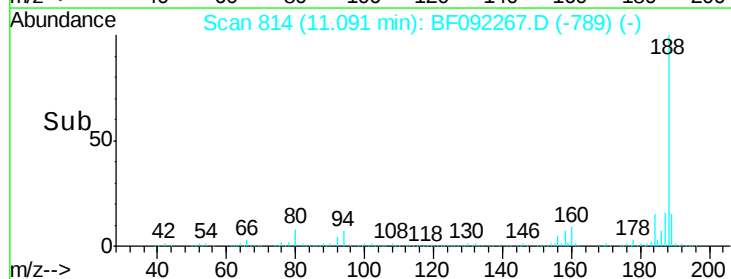
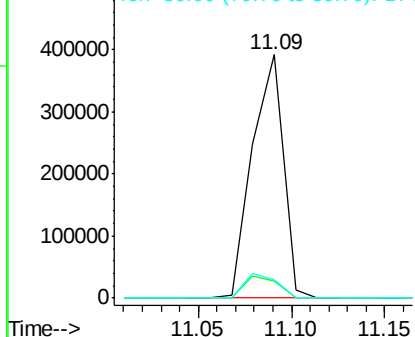


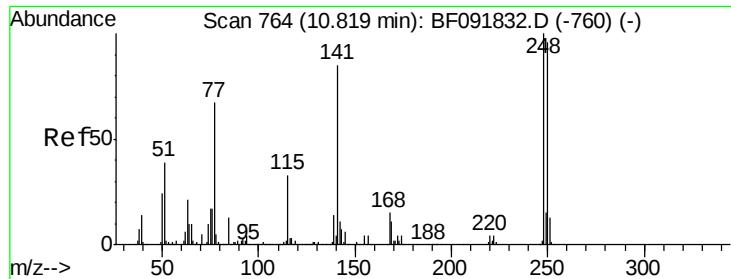
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.09 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF092267.D
 Acq: 14 Jan 2017 3:06

Tgt Ion:188 Resp: 452161
 Ion Ratio Lower Upper
 188 100
 94 7.2 10.0 15.0#
 80 7.5 11.2 16.8#



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

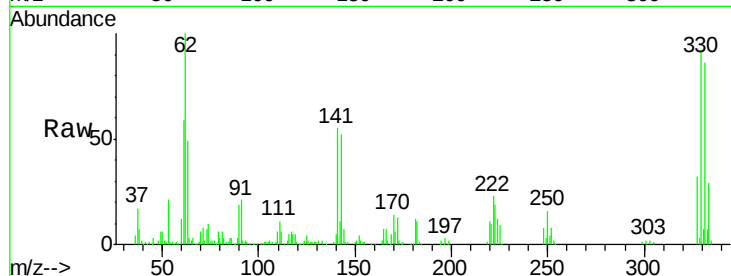




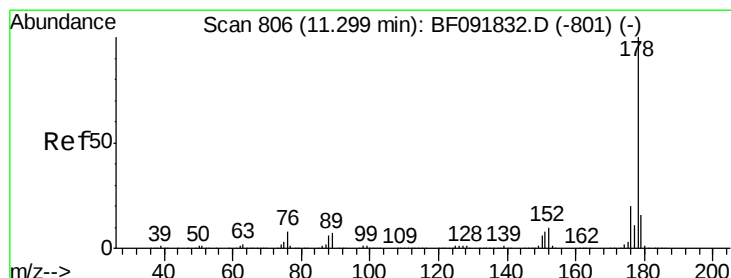
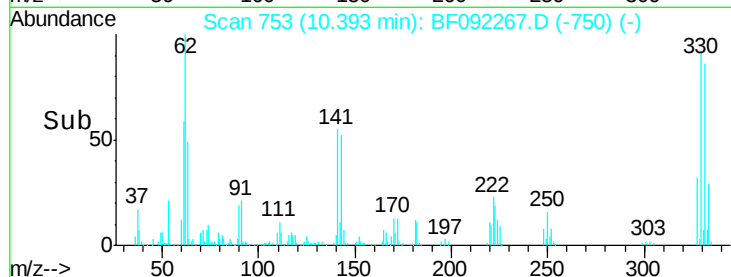
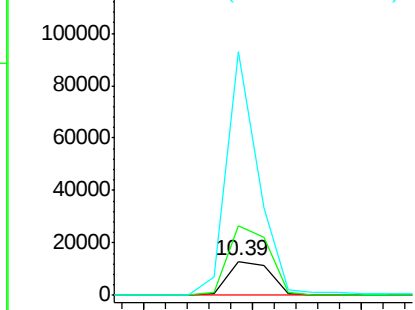
#66
 4-Bromophenyl-phenylether
 Concen: 3.67 ng
 RT: 10.39 min Scan# 753
 Delta R.T. -0.26 min
 Lab File: BF092267.D
 Acq: 14 Jan 2017 3:06

Instrument :
 BNA_F
 ClientSampleId :
 TOD-SB-01-0-2

Tgt Ion:248 Resp: 17256
 Ion Ratio Lower Upper
 248 100
 250 206.8 76.9 115.3#
 141 721.7 68.2 102.4#

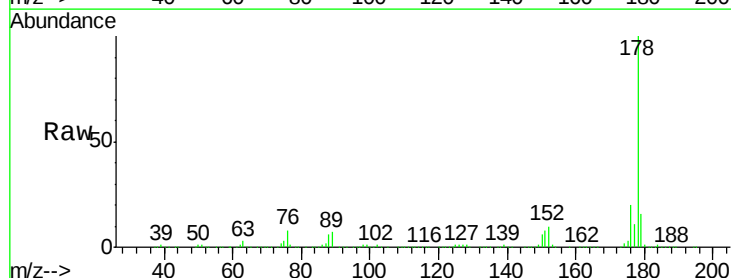


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

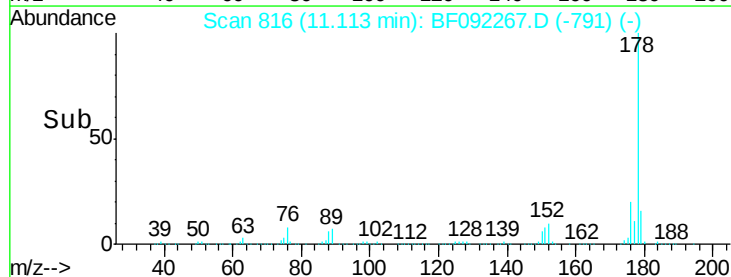
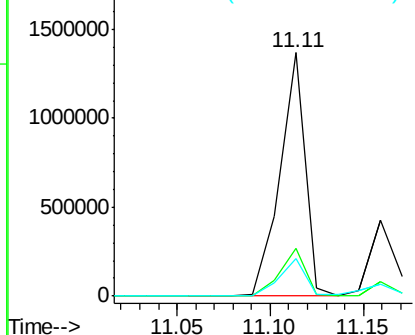


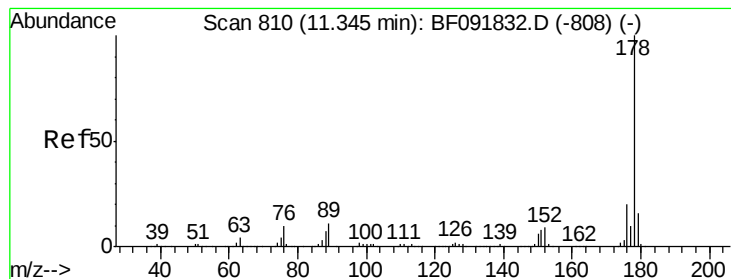
#70
 Phenanthrene
 Concen: 52.56 ng
 RT: 11.11 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF092267.D
 Acq: 14 Jan 2017 3:06

Tgt Ion:178 Resp: 1288702
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.6 25.0
 179 15.6 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: 14.96 ng

RT: 11.16 min Scan# 820

Delta R.T. -0.02 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2

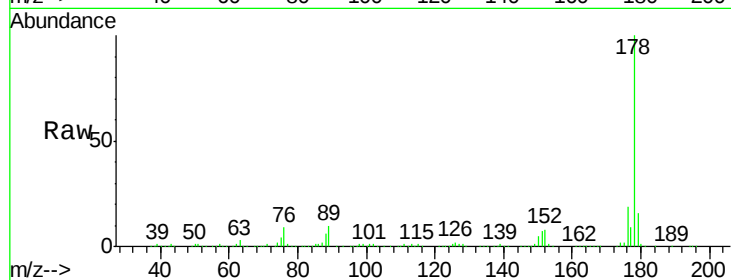
Tgt Ion:178 Resp: 406905

Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

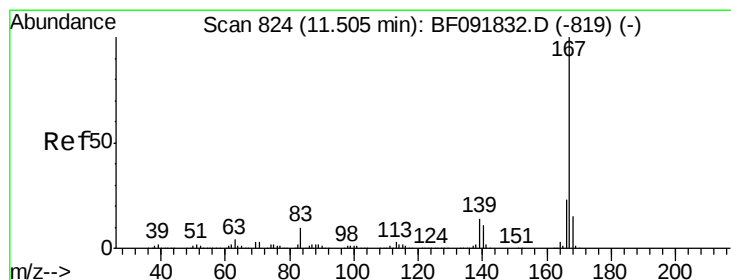
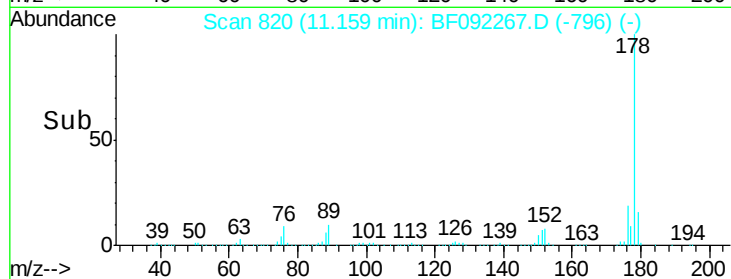
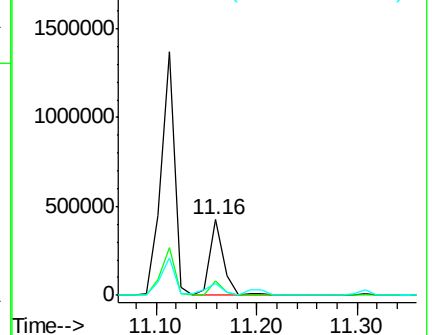
179 15.7 13.2 19.8



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



#72

Carbazole

Concen: 6.67 ng

RT: 11.32 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

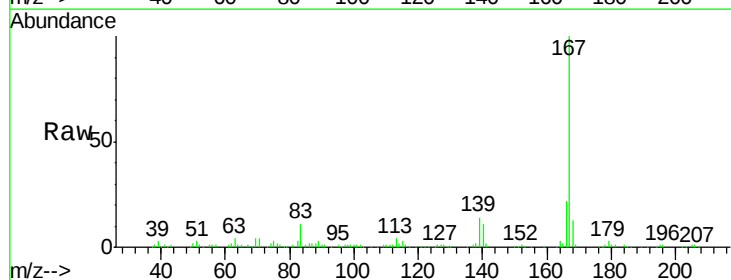
Tgt Ion:167 Resp: 183736

Ion Ratio Lower Upper

167 100

166 22.0 18.2 27.2

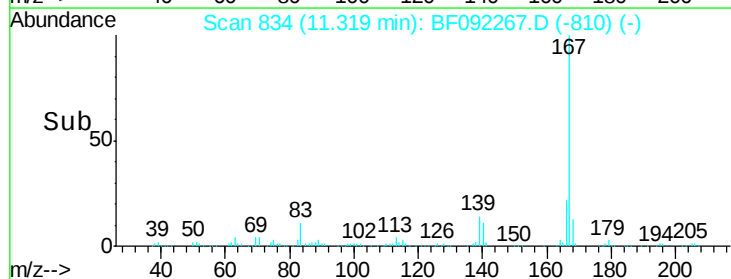
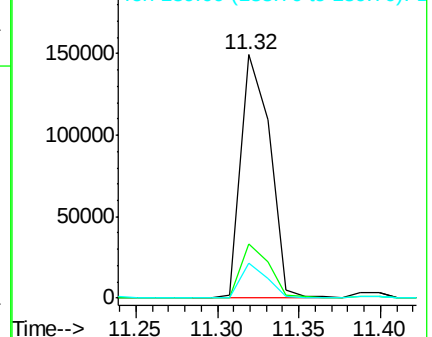
139 14.4 11.4 17.2

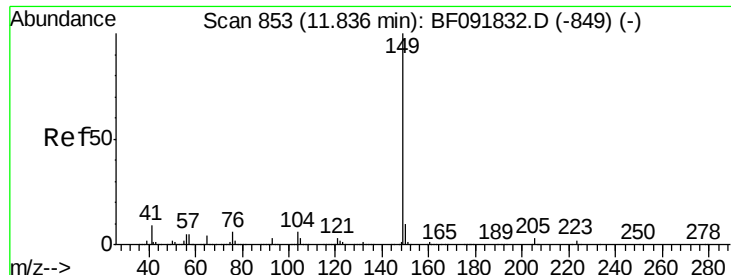


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.66 min Scan# 864

Delta R.T. -0.02 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2

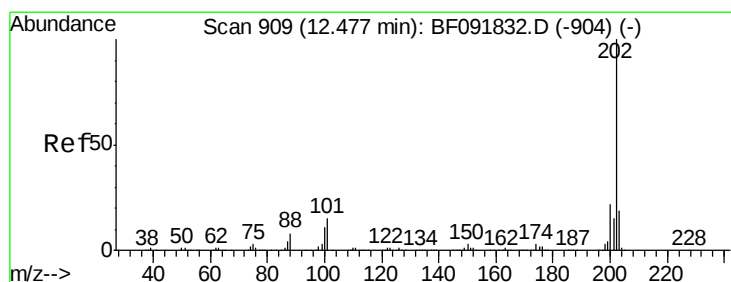
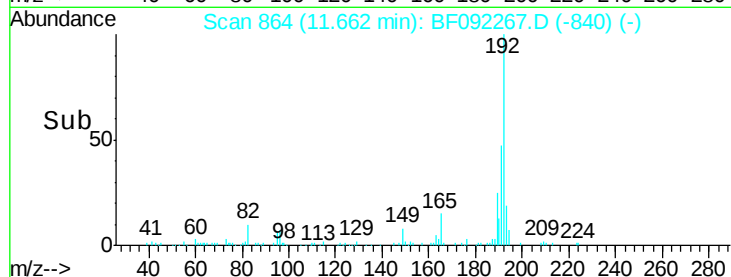
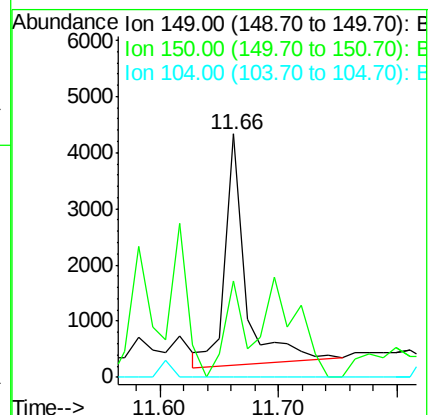
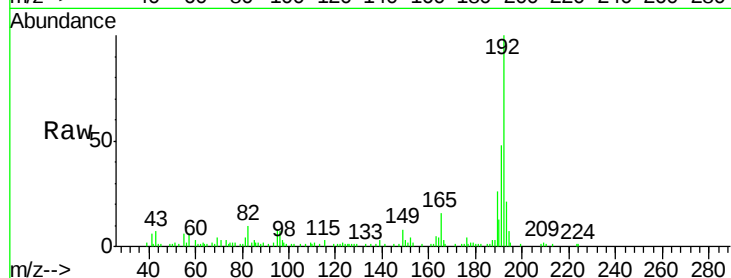
Tgt Ion:149 Resp: 4865

Ion Ratio Lower Upper

149 100

150 39.8 8.1 12.1#

104 0.0 4.6 7.0#



#74

Fluoranthene

Concen: 57.74 ng

RT: 12.29 min Scan# 919

Delta R.T. -0.01 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

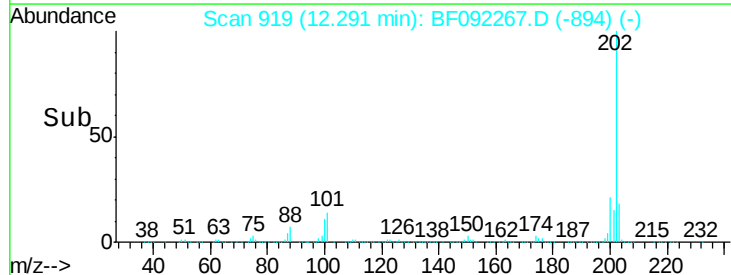
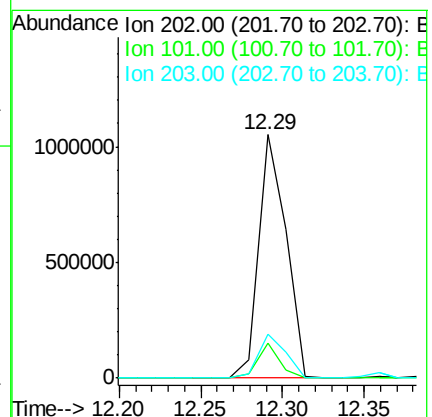
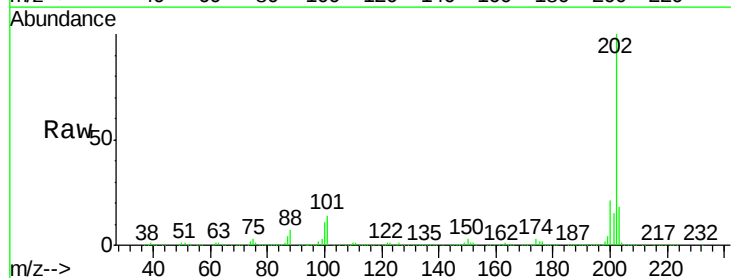
Tgt Ion:202 Resp: 1218645

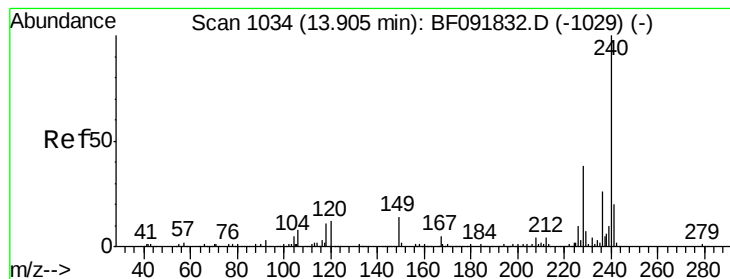
Ion Ratio Lower Upper

202 100

101 14.4 0.0 34.6

203 18.2 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.72 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2

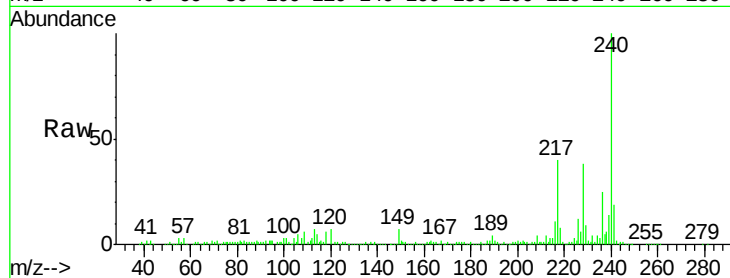
Tgt Ion:240 Resp: 292898

Ion Ratio Lower Upper

240 100

120 7.0 12.9 19.3#

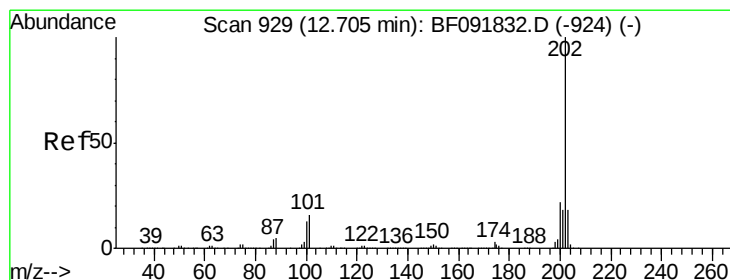
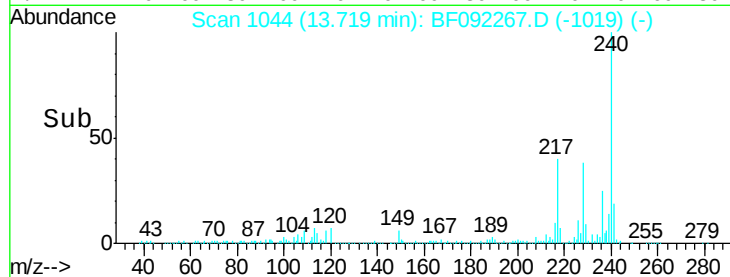
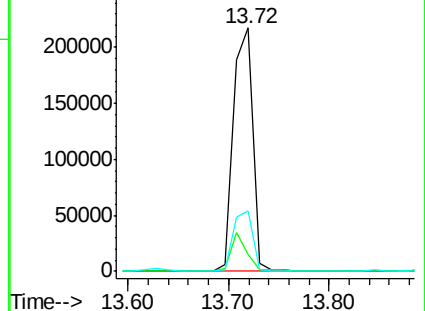
236 25.0 20.9 31.3



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: 49.23 ng

RT: 12.52 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

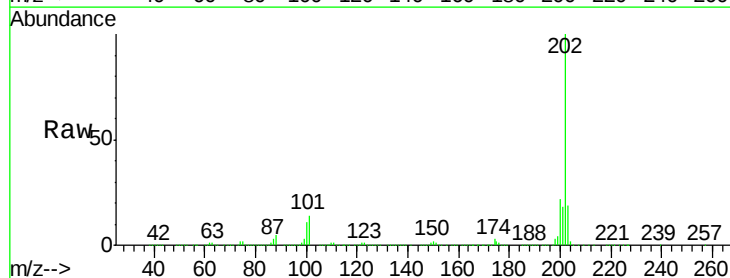
Tgt Ion:202 Resp: 1057924

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

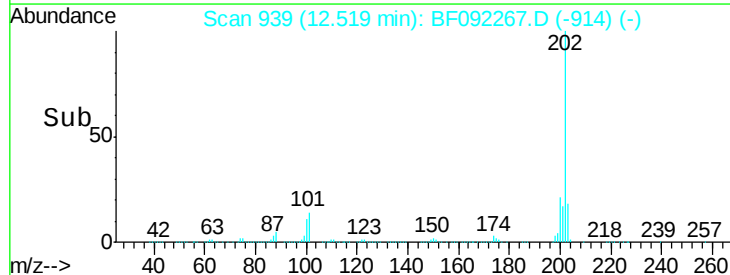
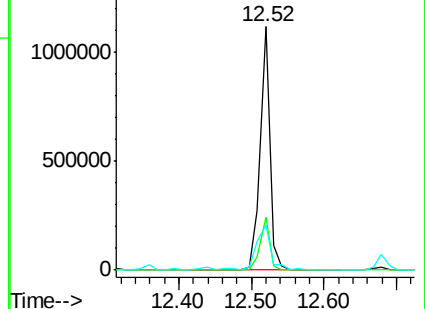
203 18.5 14.7 22.1

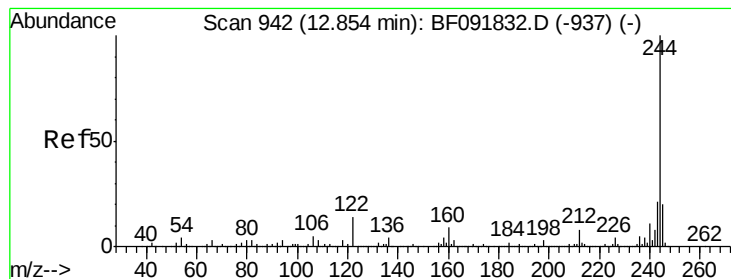


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.50 ng

RT: 12.67 min Scan# 952

Delta R.T. -0.02 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2

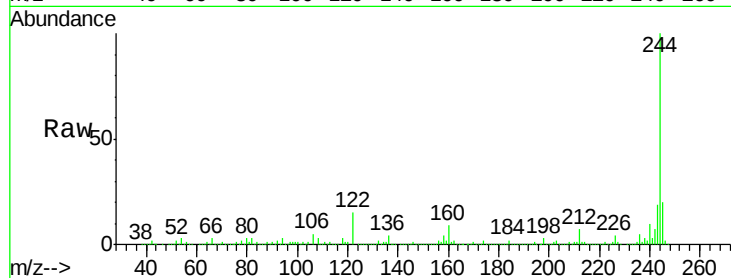
Tgt Ion:244 Resp: 803059

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

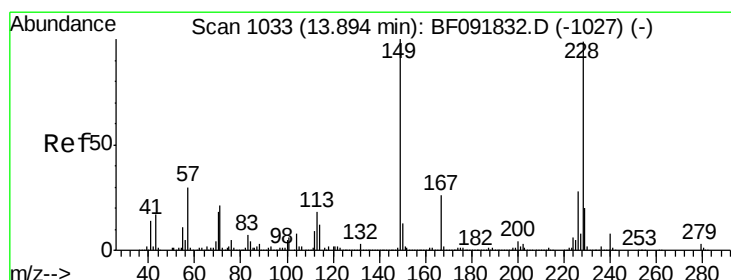
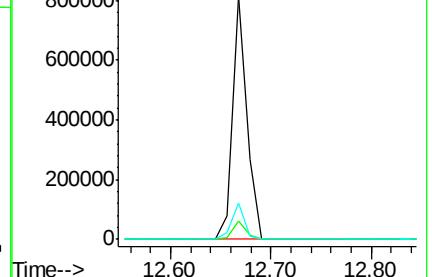
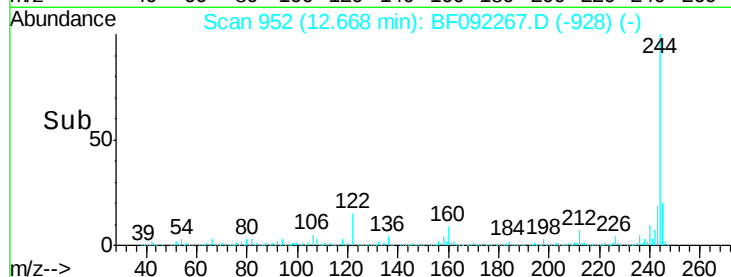
122 14.6 11.4 17.2



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: 34.33 ng

RT: 13.71 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

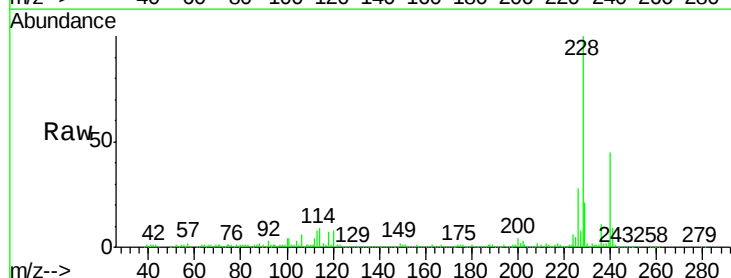
Tgt Ion:228 Resp: 567609

Ion Ratio Lower Upper

228 100

226 27.9 22.4 33.6

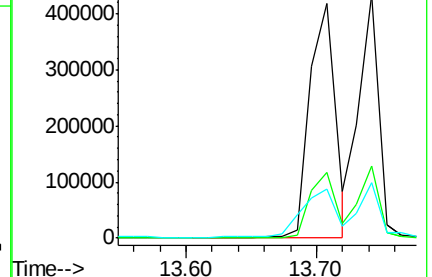
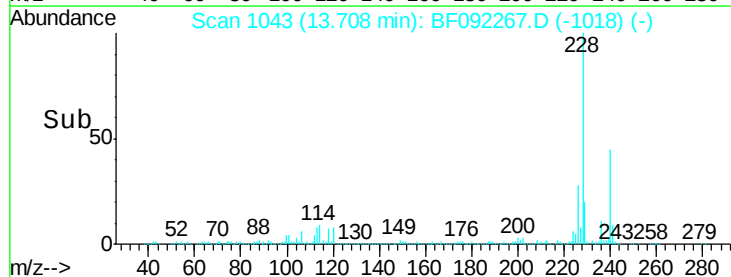
229 20.8 16.2 24.4

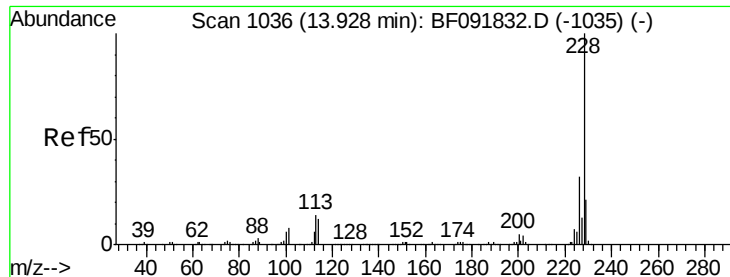


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 34.23 ng

RT: 13.71 min Scan# 1043

Delta R.T. -0.05 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2

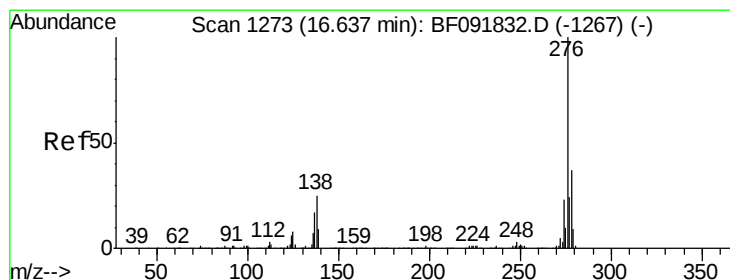
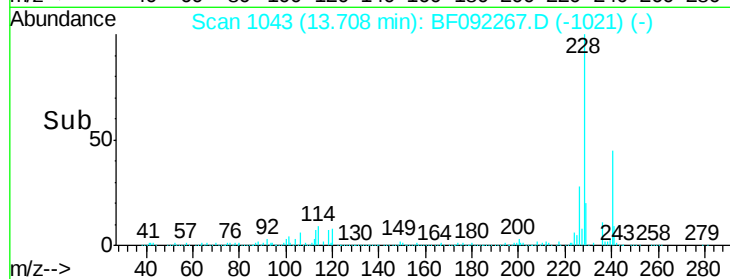
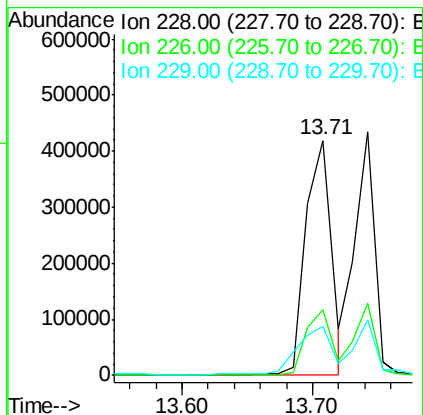
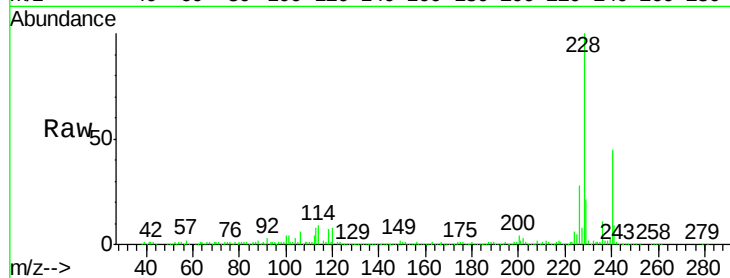
Tgt Ion:228 Resp: 567609

Ion Ratio Lower Upper

228 100

226 27.9 25.4 38.0

229 20.8 16.2 24.2



#85

Indeno(1,2,3-cd)pyrene

Concen: 17.39 ng

RT: 16.30 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

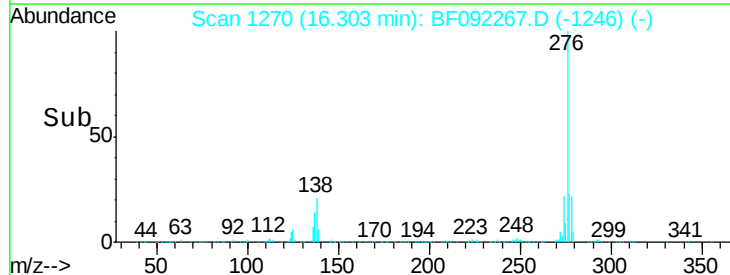
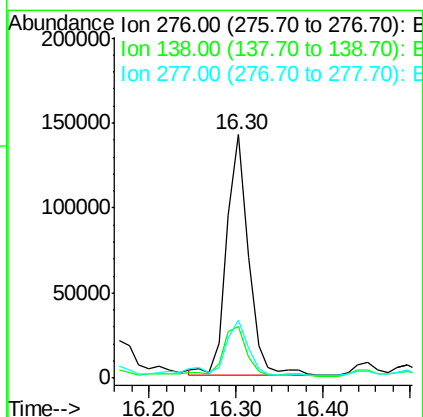
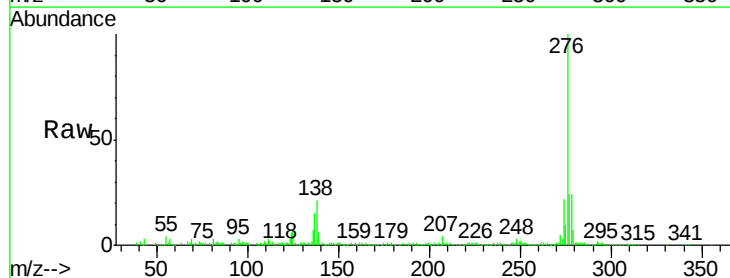
Tgt Ion:276 Resp: 249901

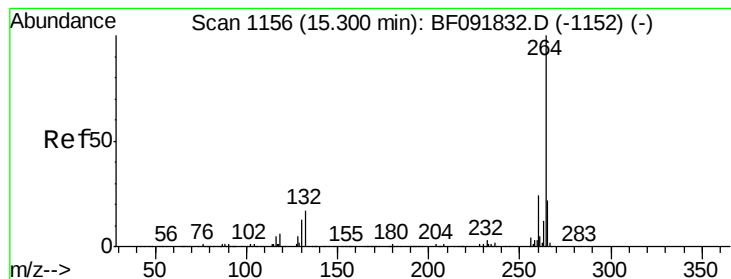
Ion Ratio Lower Upper

276 100

138 22.1 21.8 32.6

277 27.4 20.2 30.4





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.07 min Scan# 1162

Delta R.T. -0.02 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2

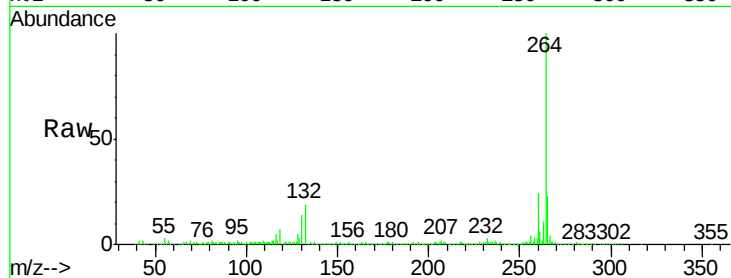
Tgt Ion:264 Resp: 324001

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

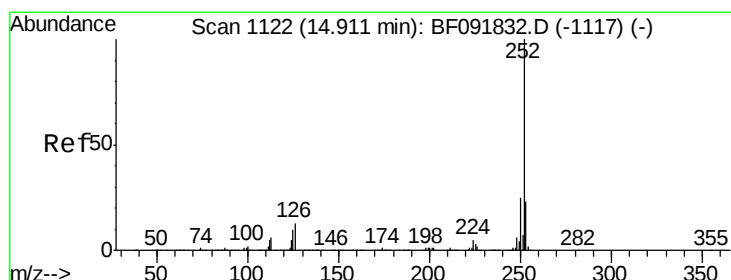
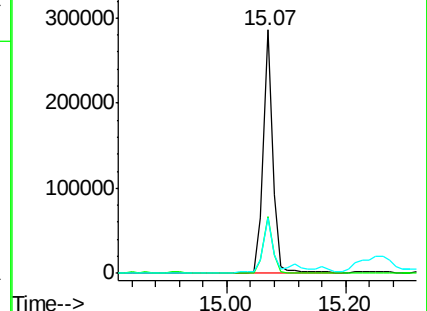
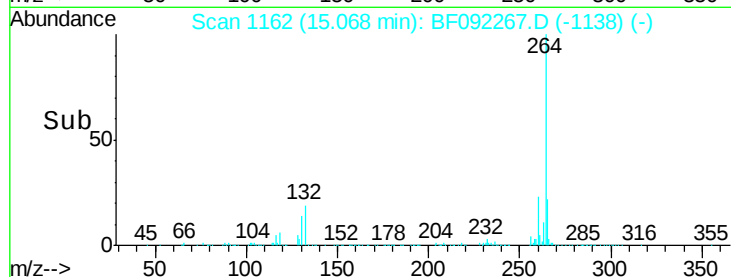
265 22.7 17.4 26.0



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



#87

Benzo(b)fluoranthene

Concen: 38.79 ng

RT: 14.70 min Scan# 1130

Delta R.T. -0.02 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

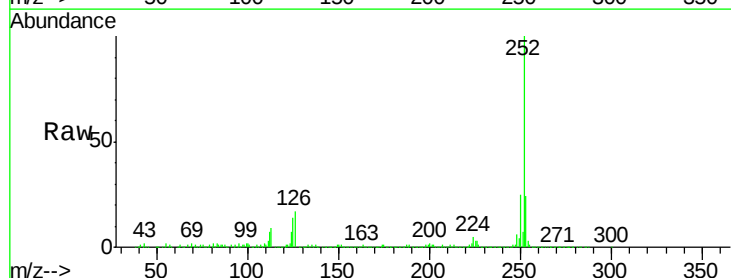
Tgt Ion:252 Resp: 782509

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.4

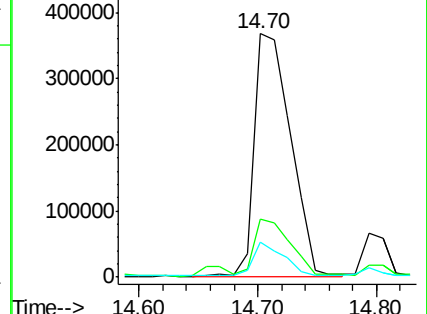
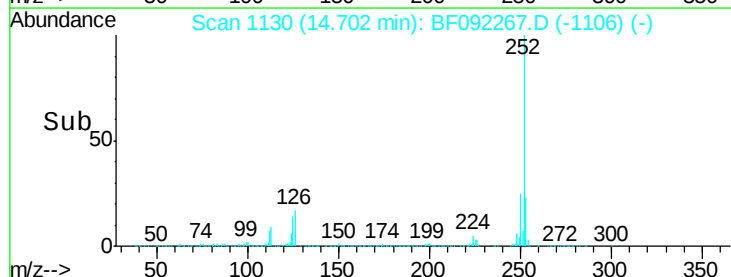
125 14.2 9.8 14.6

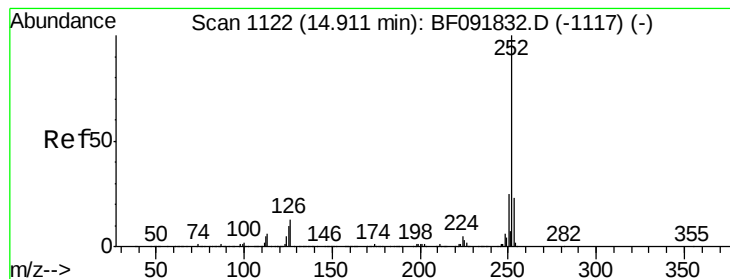


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 15.13 ng

RT: 14.97 min Scan# 1153

Delta R.T. 0.22 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

Instrument :

BNA_F

ClientSampleId :

TOD-SB-01-0-2

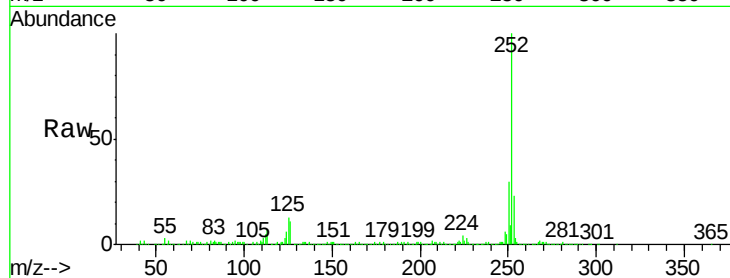
Tgt Ion:252 Resp: 260262

Ion Ratio Lower Upper

252 100

253 22.8 18.5 27.7

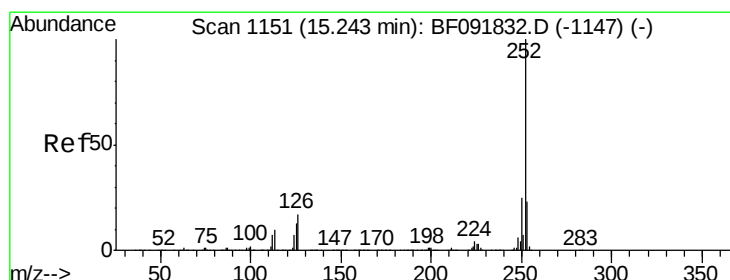
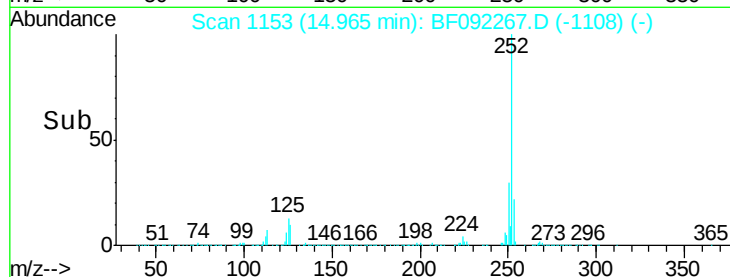
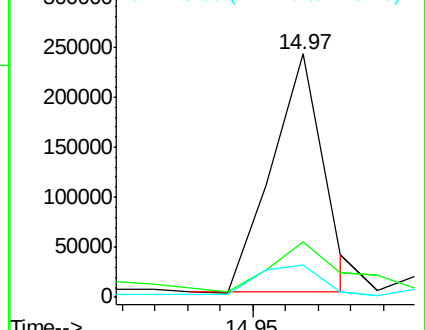
125 13.3 8.9 13.3



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: 23.82 ng

RT: 15.01 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BF092267.D

Acq: 14 Jan 2017 3:06

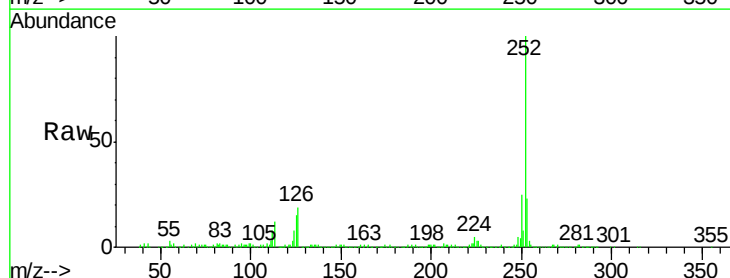
Tgt Ion:252 Resp: 426541

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

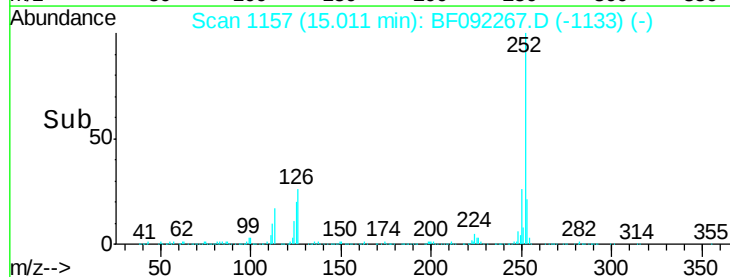
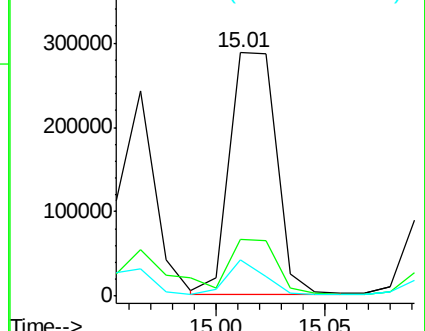
125 15.0 10.0 15.0

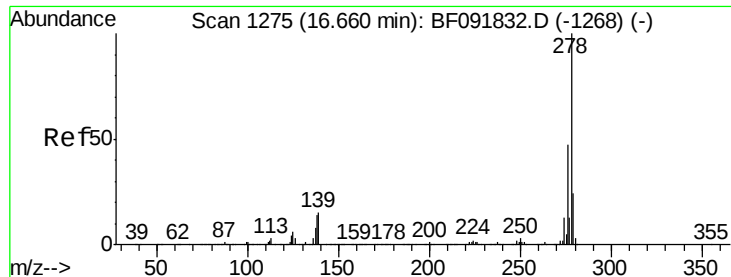


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



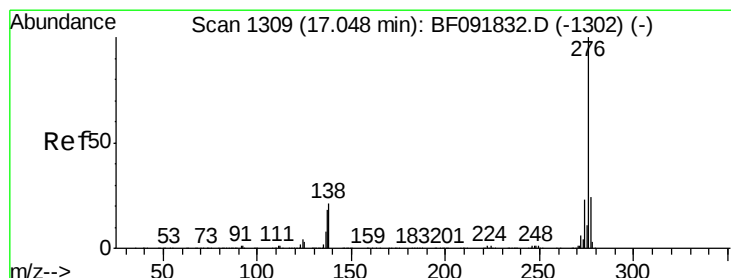
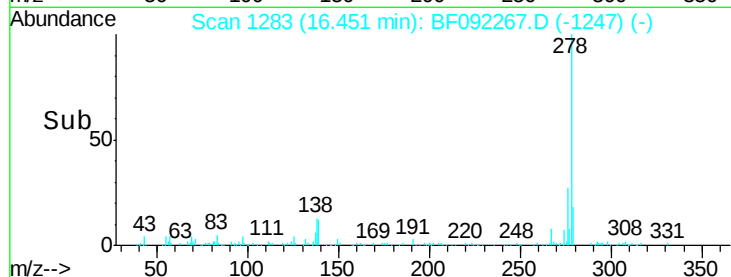
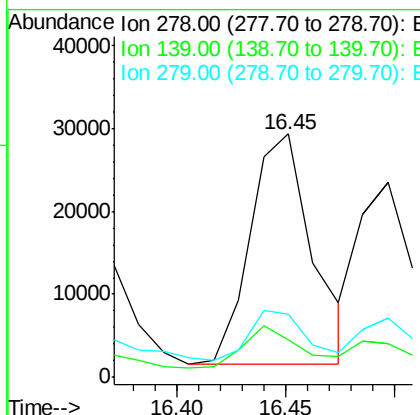
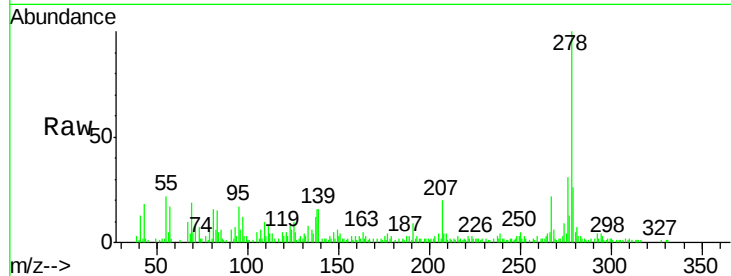


#90
Dibenzo(a,h)anthracene
Concen: 3.74 ng
RT: 16.45 min Scan# 1283
Delta R.T. 0.11 min
Lab File: BF092267.D
Acq: 14 Jan 2017 3:06

Instrument :
BNA_F
ClientSampleId :
TOD-SB-01-0-2

Tgt Ion: 278 Resp: 55074

Ion	Ratio	Lower	Upper
278	100		
139	15.6	14.8	22.2
279	25.8	19.8	29.6



#91
Benzo(g,h,i)perylene
Concen: 14.23 ng
RT: 16.67 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF092267.D
Acq: 14 Jan 2017 3:06

Tgt Ion: 276 Resp: 217799

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	22.9	16.0	24.0

