

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062816\
 Data File : BF088492.D
 Acq On : 28 Jun 2016 21:35
 Operator : UM/SJ
 Sample : H3663-16DL 4X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9DL

Quant Time: Jun 29 01:29:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 28 05:25:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	102911	20.00	ng	-0.03
21) Naphthalene-d8	7.80	136	419137	20.00	ng	-0.03
38) Acenaphthene-d10	9.55	164	190327	20.00	ng	-0.03
63) Phenanthrene-d10	11.03	188	319289	20.00	ng	-0.03
75) Chrysene-d12	13.67	240	186952	20.00	ng	-0.02
86) Perylene-d12	15.02	264	182738	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	183926	30.55	ng	-0.03
7) Phenol-d6	6.18	99	258924	35.49	ng	-0.05
23) Nitrobenzene-d5	7.10	82	132229	18.42	ng	-0.03
41) 2,4,6-Tribromophenol	10.34	330	46824	23.30	ng	-0.03
44) 2-Fluorobiphenyl	8.89	172	264353	17.42	ng	-0.03
78) Terphenyl-d14	12.62	244	201429	24.52	ng	-0.02

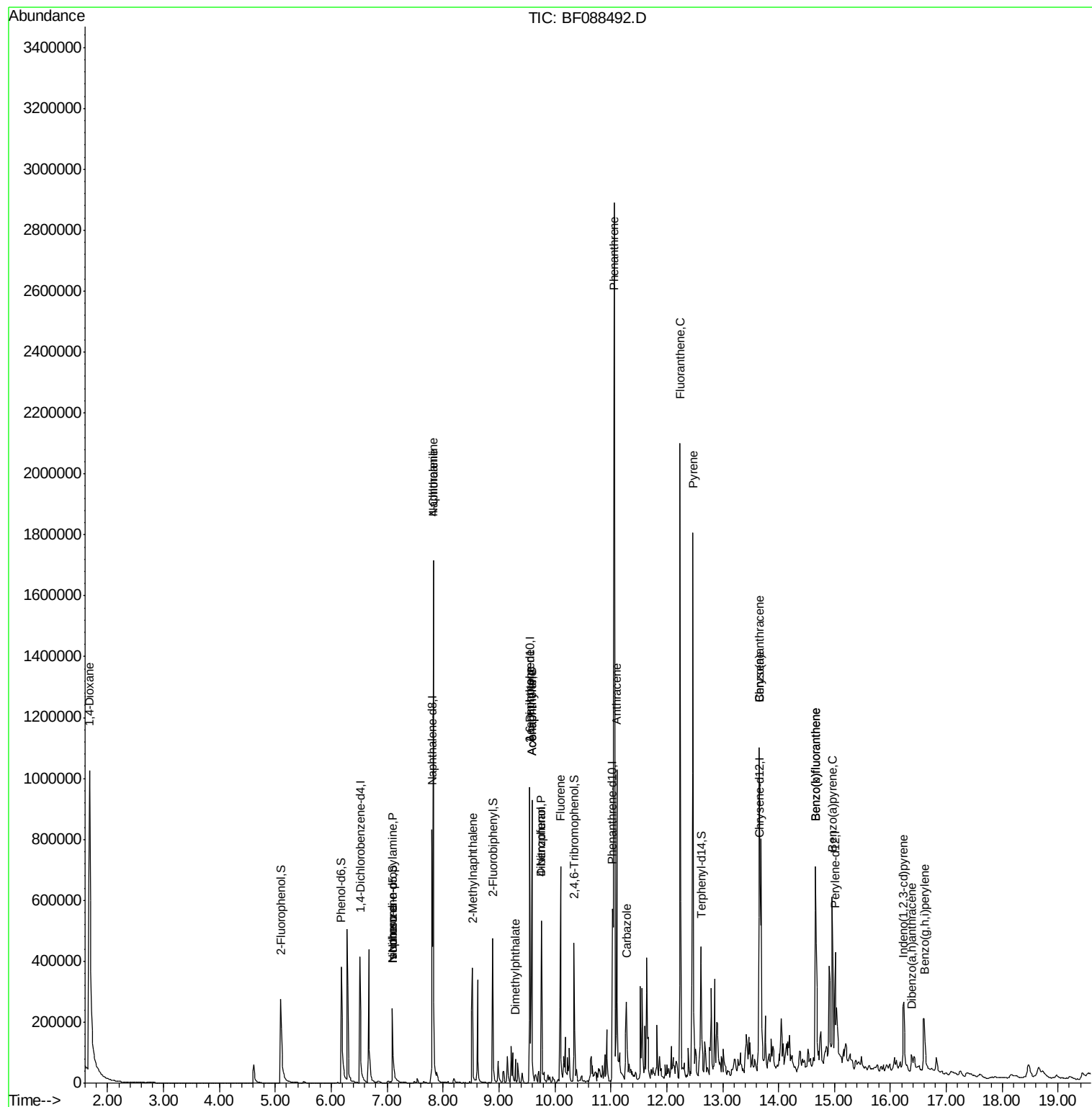
Target Compounds						Qvalue
2) 1,4-Dioxane	1.68	88	78788	26.94	ng	# 87
10) Phenol	6.20	94	11418	Below Cal		# 66
19) n-Nitroso-di-n-propylamine	7.10	70	15389	3.30	ng	# 68
25) Isophorone	7.10	82	127827	9.61	ng	# 65
31) Naphthalene	7.83	128	844798	40.73	ng	99
33) 4-Chloroaniline	7.83	127	110750	11.96	ng	# 32
37) 2-Methylnaphthalene	8.52	142	160177	11.72	ng	99
45) 1,1'-Biphenyl	8.98	154	42599	Below Cal		100
48) Acenaphthylene	9.59	152	131665	6.72	ng	# 1
49) Dimethylphthalate	9.29	163	33338	2.42	ng	99
50) 2,6-Dinitrotoluene	9.55	165	28770	9.11	ng	# 40
51) Acenaphthene	9.59	154	235527	19.27	ng	98
54) Dibenzofuran	9.76	168	228668	13.59	ng	94
55) 4-Nitrophenol	9.76	139	84855	30.01	ng	# 6
57) Fluorene	10.10	166	242235	18.45	ng	98
70) Phenanthrene	11.06	178	1229388	73.38	ng	99
71) Anthracene	11.11	178	473079	27.99	ng	99
72) Carbazole	11.28	167	174771	11.05	ng	97
74) Fluoranthene	12.24	202	912888	51.63	ng	98
77) Pyrene	12.47	202	812139	58.54	ng	100
80) Benzo(a)anthracene	13.66	228	462091	43.37	ng	99
82) Chrysene	13.66	228	462091	46.10	ng	95
85) Indeno(1,2,3-cd)pyrene	16.24	276	171189	18.38	ng	# 100
87) Benzo(b)fluoranthene	14.66	252	512913	40.27	ng	# 95
88) Benzo(k)fluoranthene	14.66	252	512913	53.38	ng	98
89) Benzo(a)pyrene	14.96	252	285892	27.74	ng	98
90) Dibenzo(a,h)anthracene	16.38	278	39422	4.12	ng	97
91) Benzo(g,h,i)perylene	16.61	276	154797	15.72	ng	96

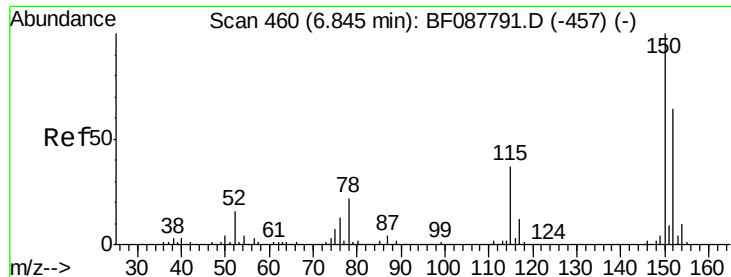
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.51 min Scan# 431

Delta R.T. -0.03 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

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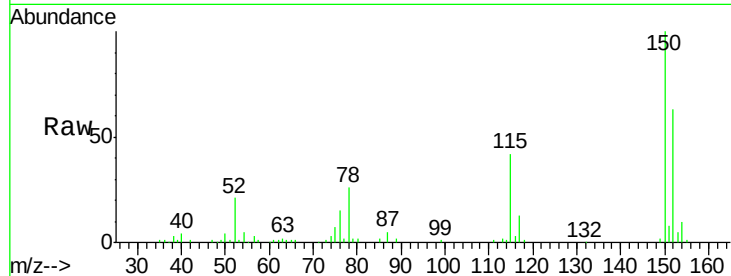
Tgt Ion:152 Resp: 102911

Ion Ratio Lower Upper

152 100

150 159.7 123.8 185.6

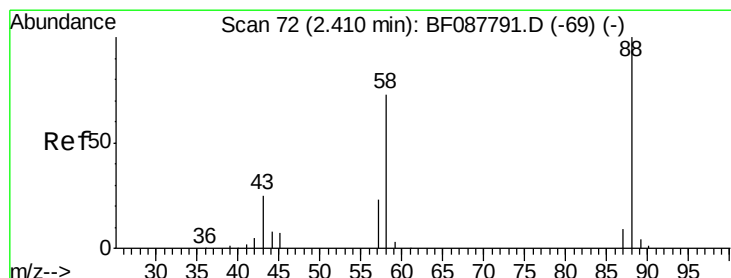
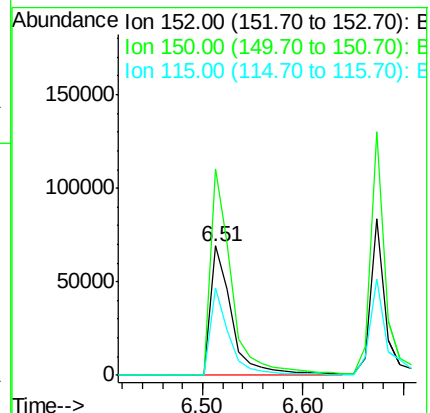
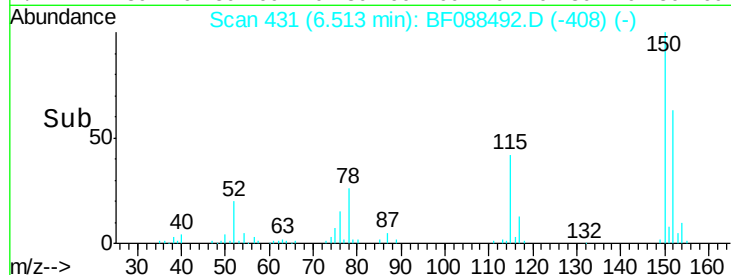
115 67.4 39.6 59.4#



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



#2

1,4-Dioxane

Concen: 26.94 ng

RT: 1.68 min Scan# 8

Delta R.T. -0.26 min

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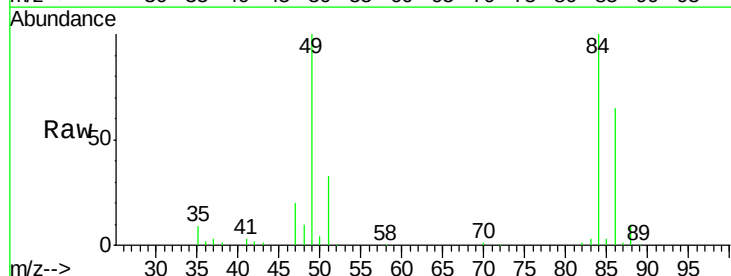
Tgt Ion: 88 Resp: 78788

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

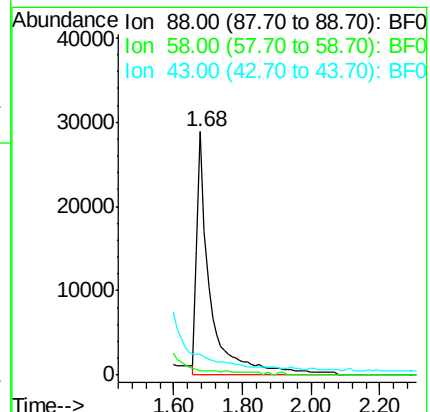
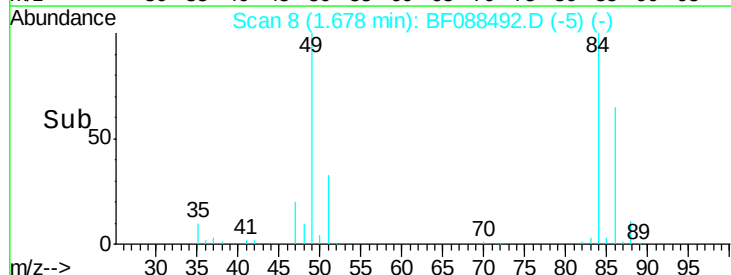
43 0.0 3.4 5.2#

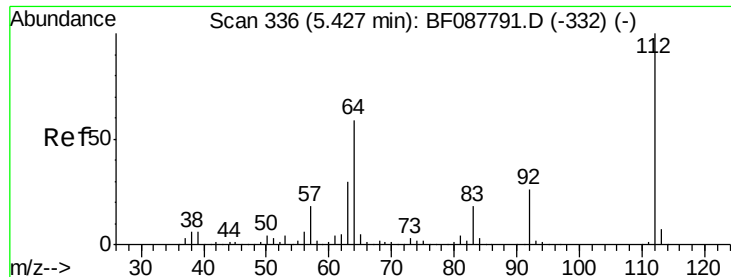


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 30.55 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.03 min

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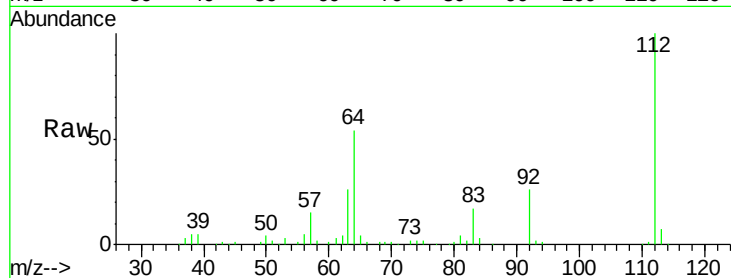
Tgt Ion: 112 Resp: 183926

Ion Ratio Lower Upper

112 100

64 53.8 42.2 63.2

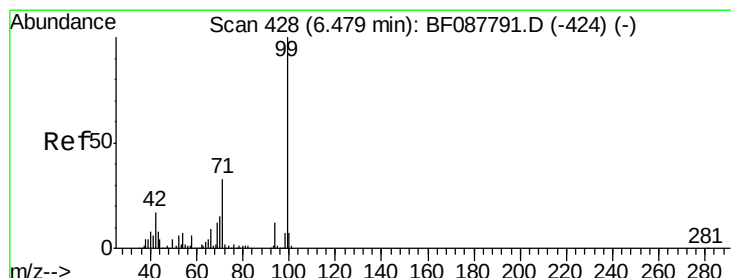
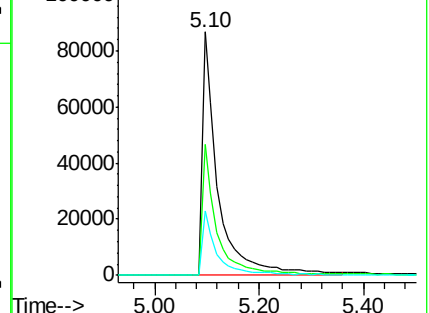
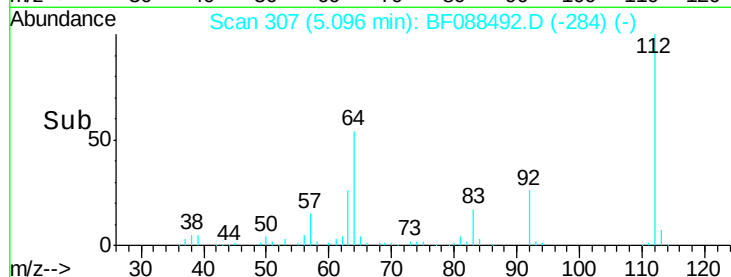
63 26.3 21.8 32.8



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: 35.49 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.05 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

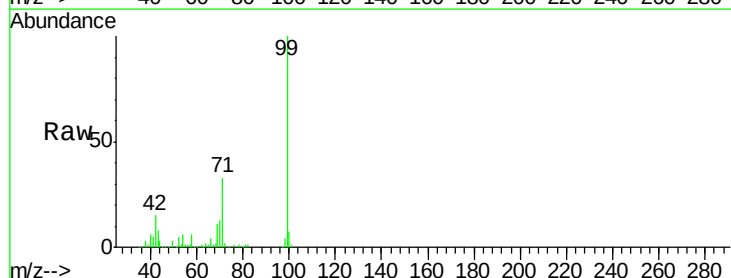
Tgt Ion: 99 Resp: 258924

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.2

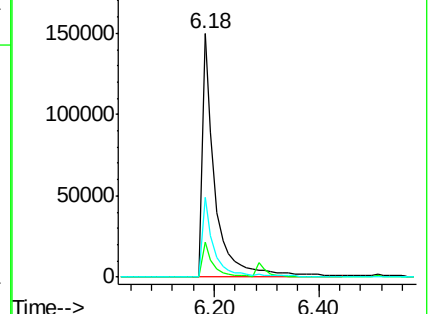
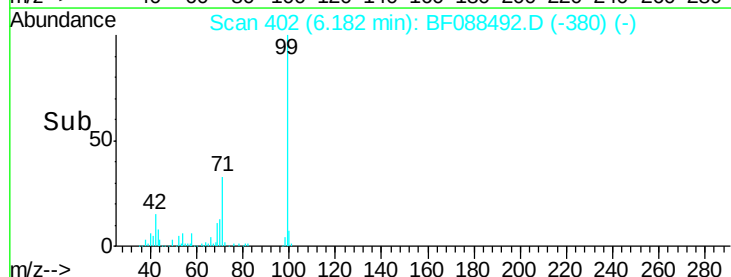
71 32.6 23.4 35.0

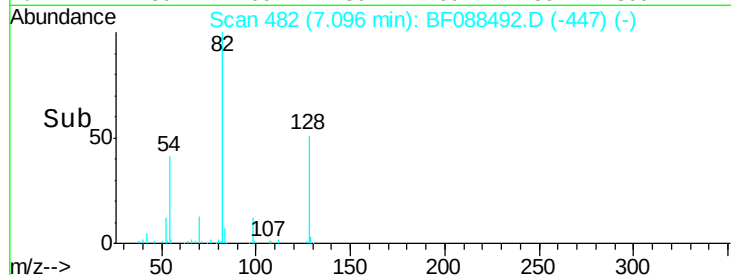
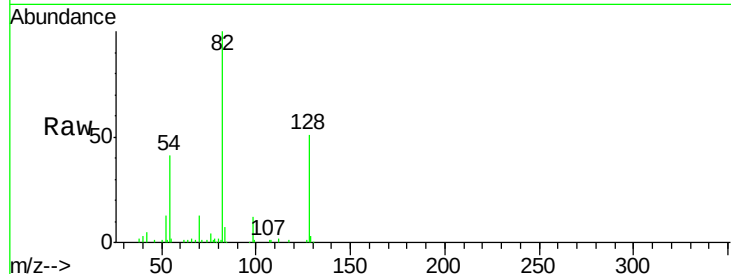
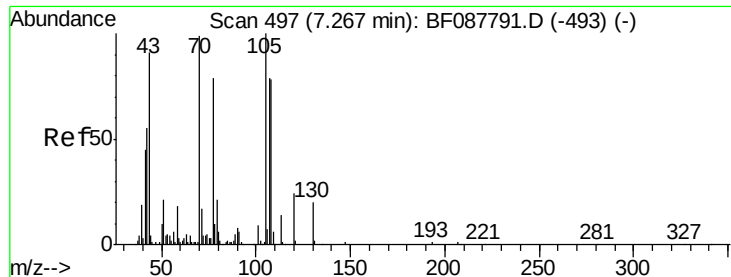


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

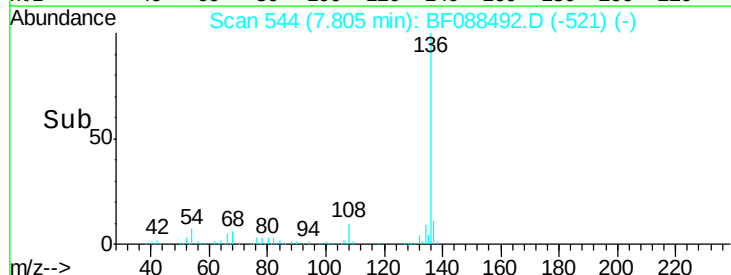
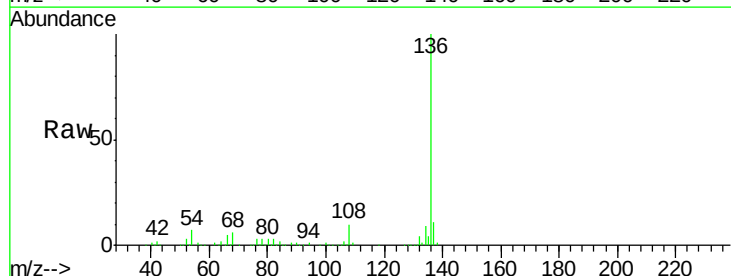
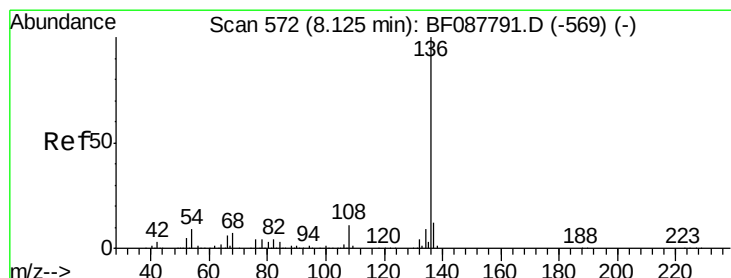
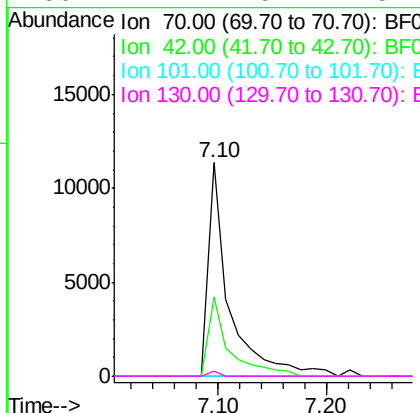




#19
n-Nitroso-di-n-propylamine
Concen: 3.30 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.10 min
Lab File: BF088492.D
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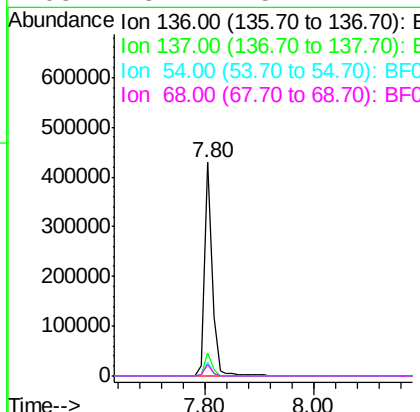
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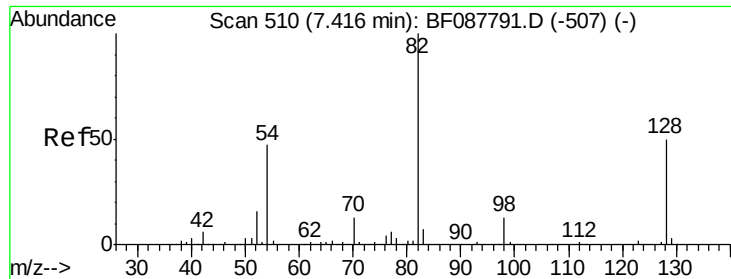
Tgt Ion: 70 Resp: 15389
Ion Ratio Lower Upper
70 100
42 37.4 49.6 74.4#
101 0.0 7.1 10.7#
130 2.7 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion: 136 Resp: 419137
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 6.6 6.6 10.0#
68 5.7 5.1 7.7

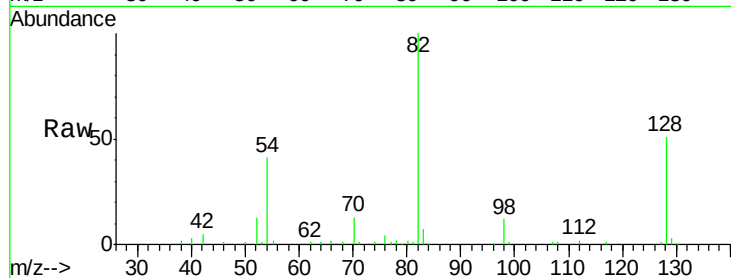




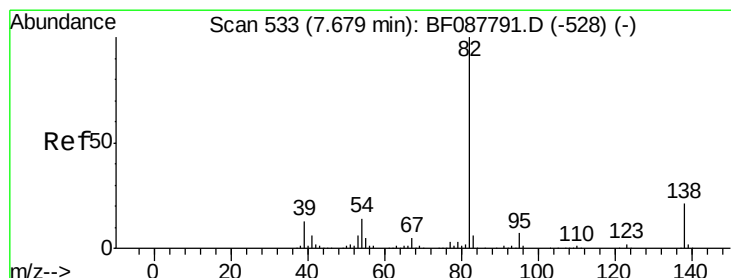
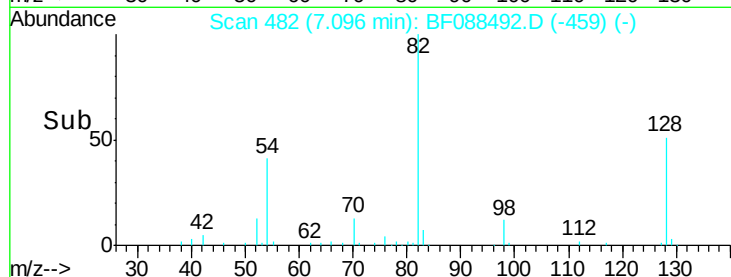
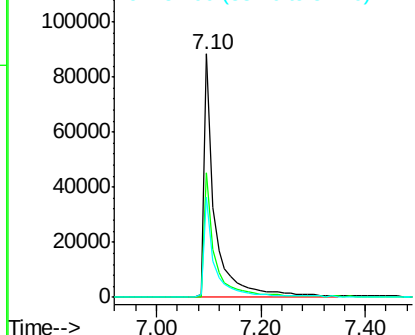
#23
 Nitrobenzene-d5
 Concen: 18.42 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.03 min
 Lab File: BF088492.D
 Acq: 28 Jun 2016 21:35

Instrument :
 BNA_F
 ClientSampleID :
 TP-9DL

Tgt Ion: 82 Resp: 132229
 Ion Ratio Lower Upper
 82 100
 128 51.1 35.9 53.9
 54 41.2 40.9 61.3

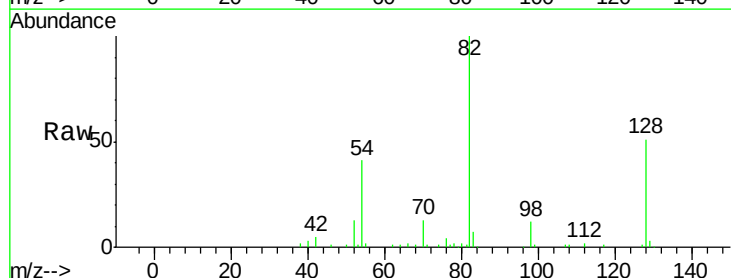


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

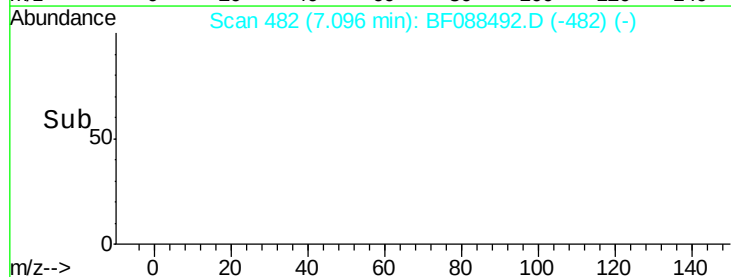
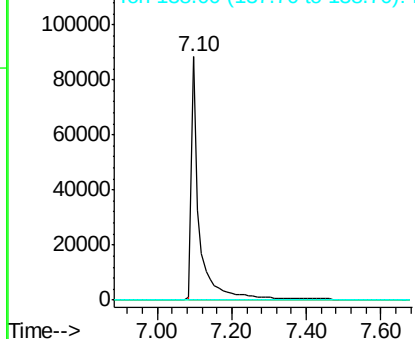


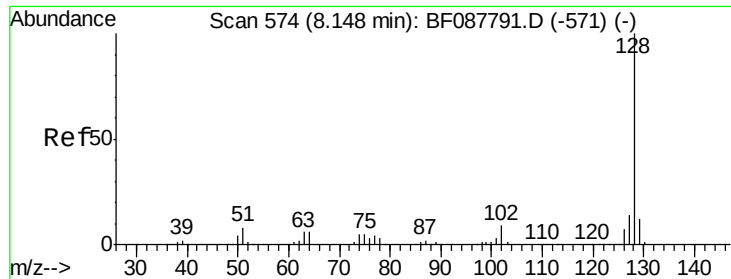
#25
 Isophorone
 Concen: 9.61 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.30 min
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Tgt Ion: 82 Resp: 127827
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.6 21.8#



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

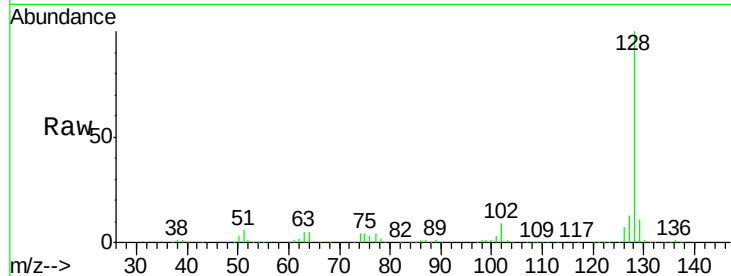




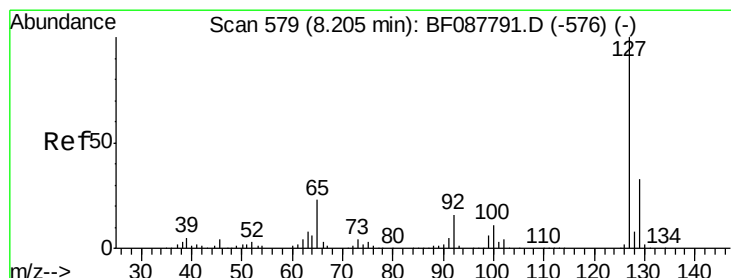
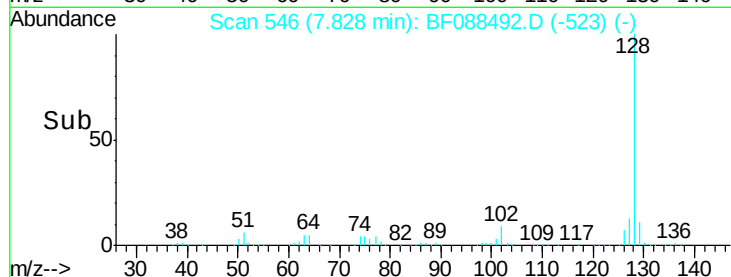
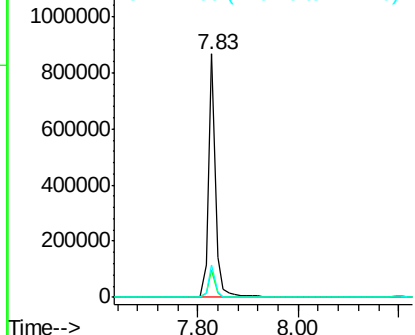
#31
Naphthalene
Concen: 40.73 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.03 min
Lab File: BF088492.D
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Instrument :
BNA_F
ClientSampled :
TP-9DL

Tgt Ion:128 Resp: 844798
Ion Ratio Lower Upper
128 100
129 11.4 9.4 14.2
127 13.4 10.9 16.3

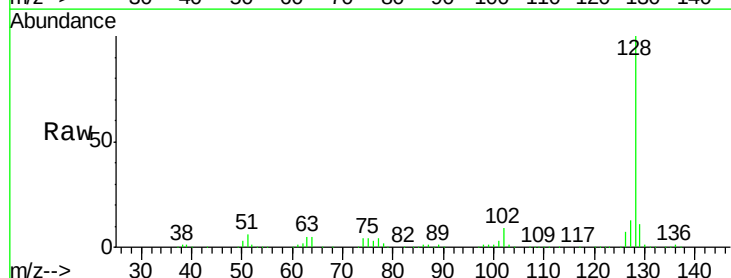


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

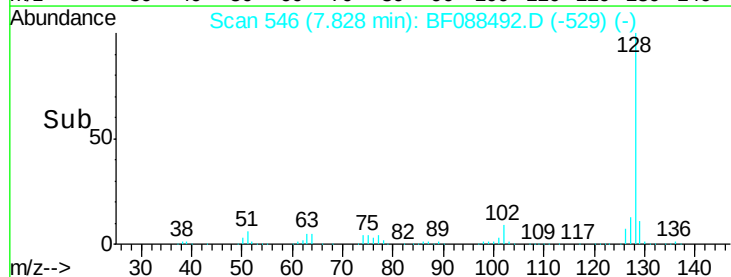
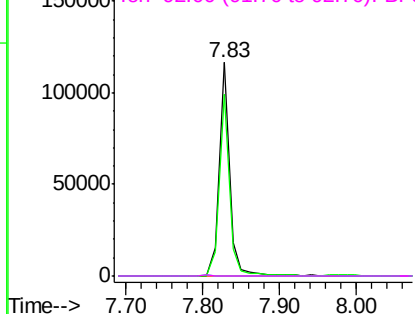


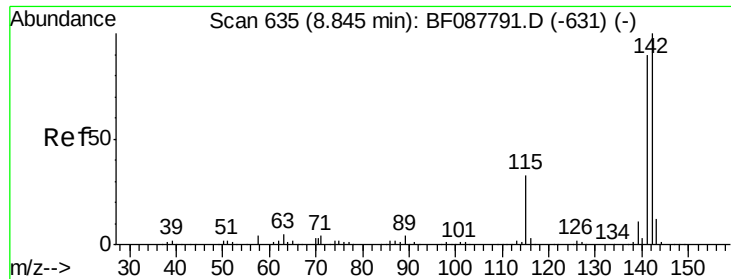
#33
4-Chloroaniline
Concen: 11.96 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.10 min
Lab File: BF088492.D
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Tgt Ion:127 Resp: 110750
Ion Ratio Lower Upper
127 100
129 85.2 26.3 39.5#
65 0.0 24.7 37.1#
92 0.0 15.4 23.0#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

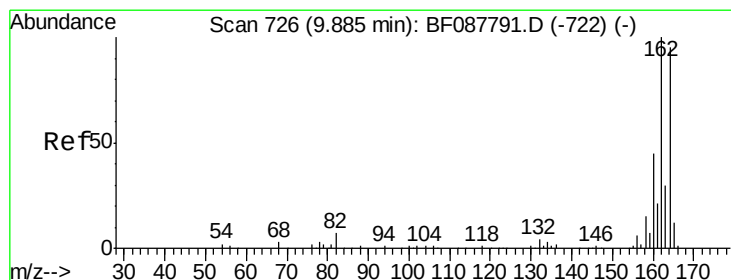
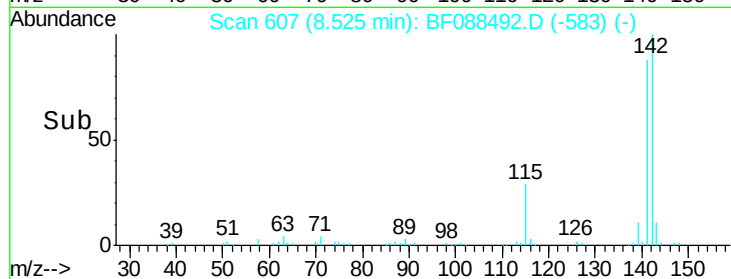
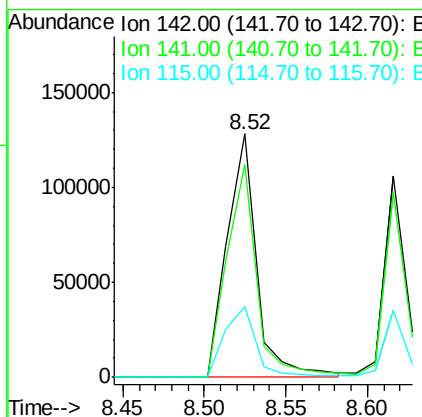
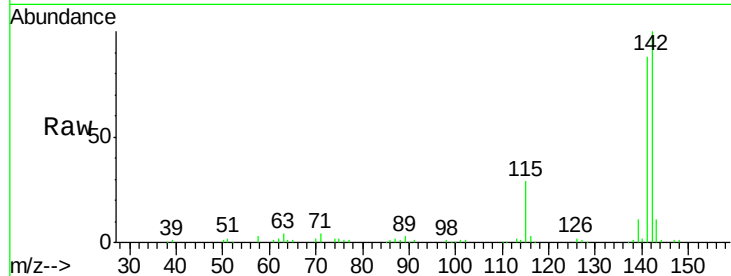




#37
 2-Methylnaphthalene
 Concen: 11.72 ng
 RT: 8.52 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF088492.D
 Acq: 28 Jun 2016 21:35

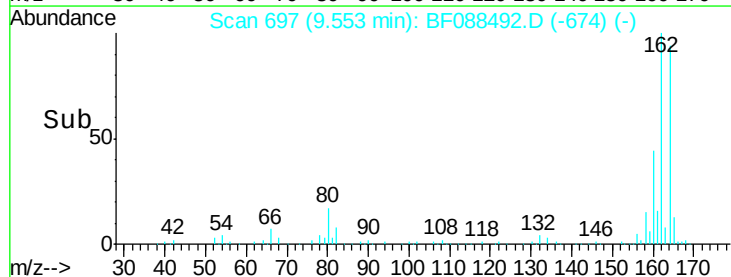
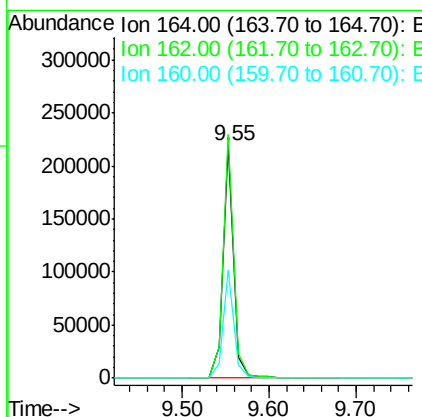
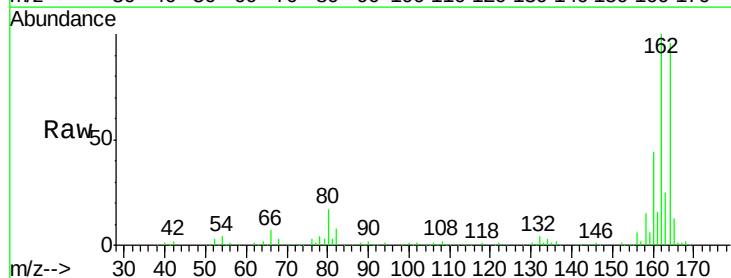
Instrument :
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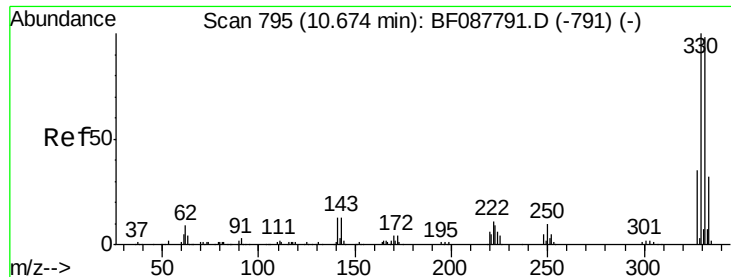
Tgt Ion:142 Resp: 160177
 Ion Ratio Lower Upper
 142 100
 141 87.6 71.0 106.6
 115 28.8 22.6 33.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.03 min
 Lab File: BF088492.D
 Acq: 28 Jun 2016 21:35

Tgt Ion:164 Resp: 190327
 Ion Ratio Lower Upper
 164 100
 162 104.4 85.4 128.2
 160 46.2 39.5 59.3

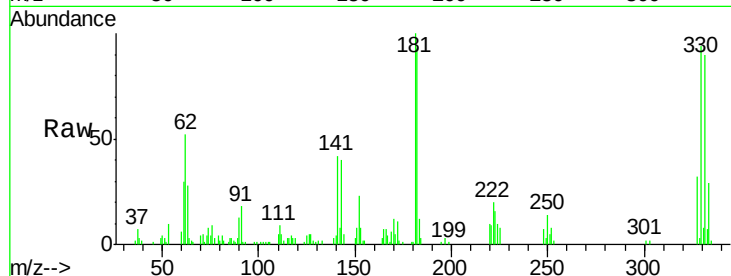




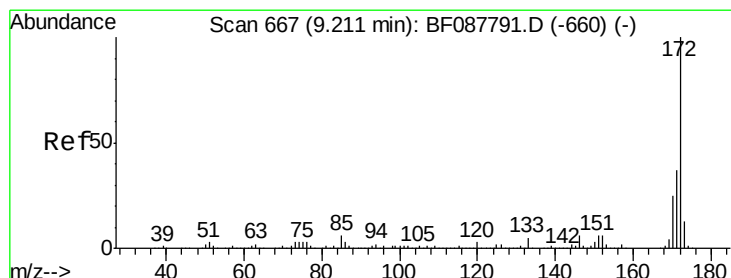
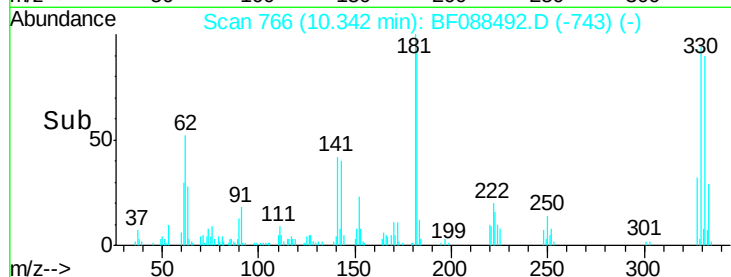
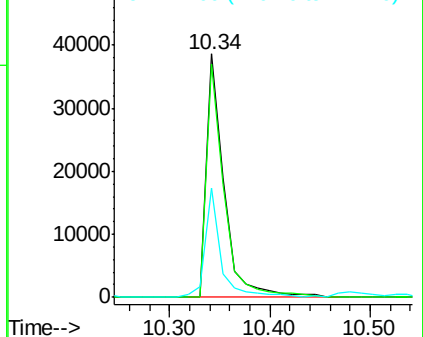
#41
 2,4,6-Tribromophenol
 Concen: 23.30 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.03 min
 Lab File: BF088492.D
 Acq: 28 Jun 2016 21:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-9DL

Tgt Ion:330 Resp: 46824
 Ion Ratio Lower Upper
 330 100
 332 96.0 0.0 0.0#
 141 40.0 0.0 0.0#

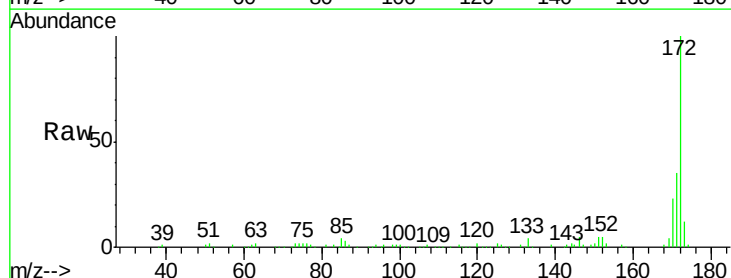


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

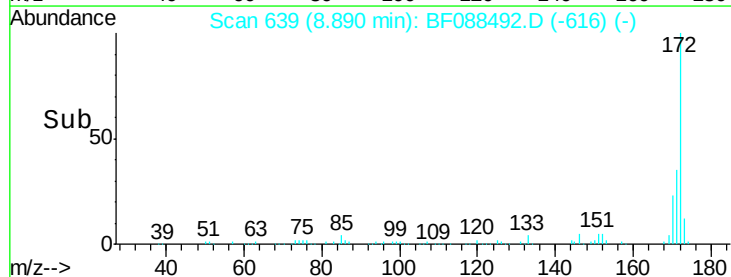
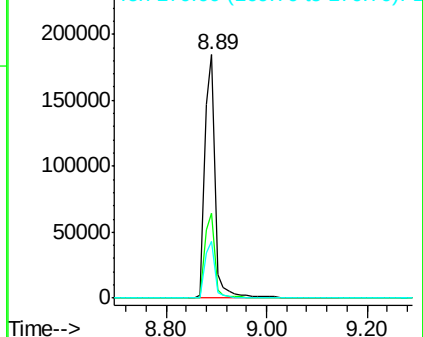


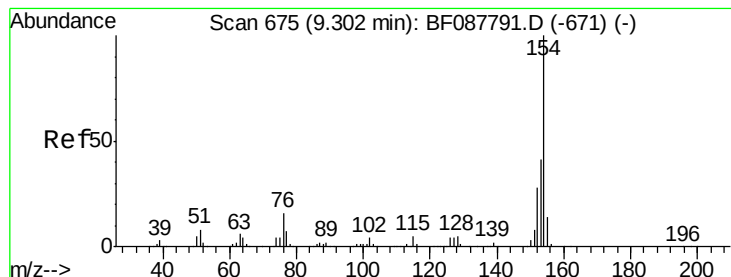
#44
 2-Fluorobiphenyl
 Concen: 17.42 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: BF088492.D
 Acq: 28 Jun 2016 21:35

Tgt Ion:172 Resp: 264353
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.6 43.0
 170 23.2 19.2 28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 8.98 min Scan# 647

Delta R.T. -0.03 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Instrument :

BNA_F

ClientSampleId :

TP-9DL

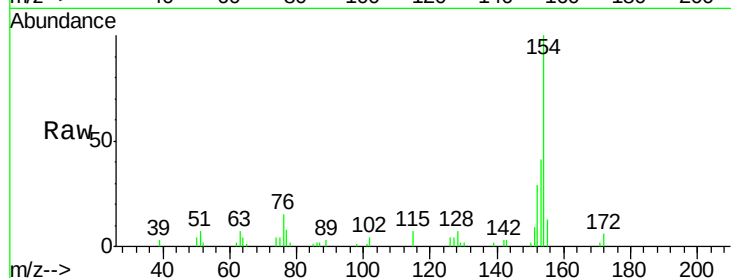
Tgt Ion:154 Resp: 42599

Ion Ratio Lower Upper

154 100

153 40.8 20.6 60.6

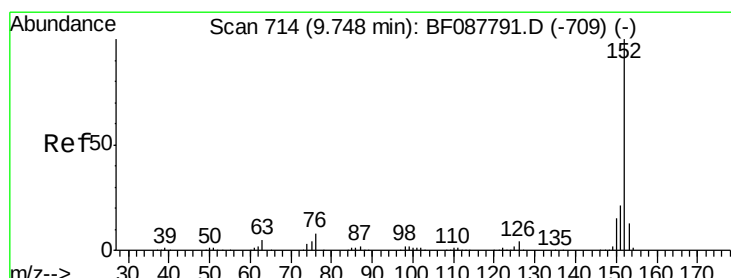
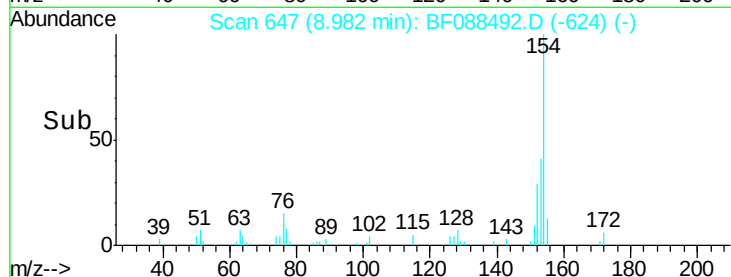
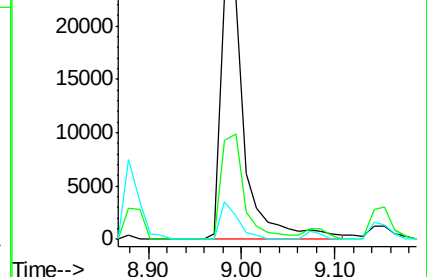
76 15.4 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 6.72 ng

RT: 9.59 min Scan# 700

Delta R.T. 0.14 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

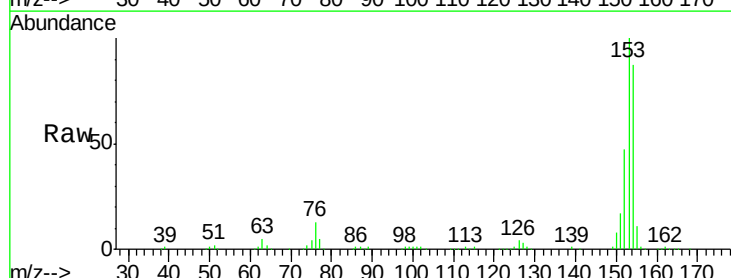
Tgt Ion:152 Resp: 131665

Ion Ratio Lower Upper

152 100

151 36.8 16.2 24.4#

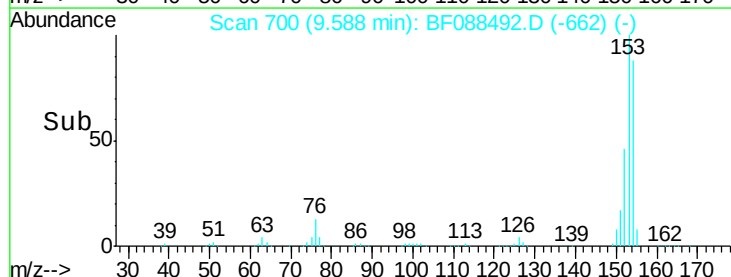
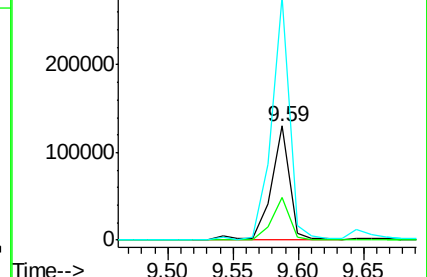
153 213.1 11.0 16.6#

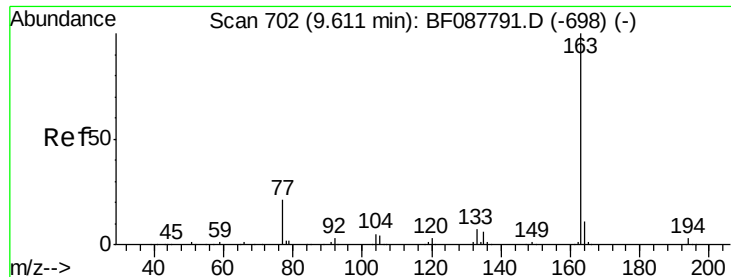


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 2.42 ng

RT: 9.29 min Scan# 674

Delta R.T. -0.05 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Instrument :

BNA_F

ClientSampleID :

TP-9DL

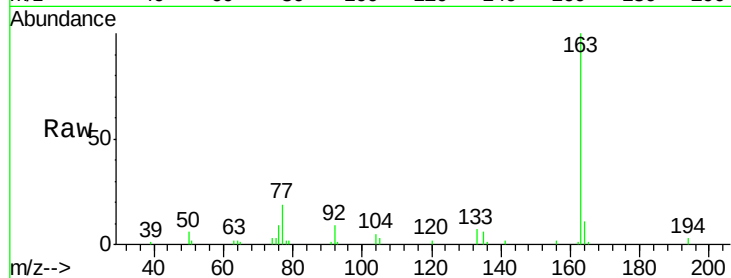
Tgt Ion:163 Resp: 33338

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

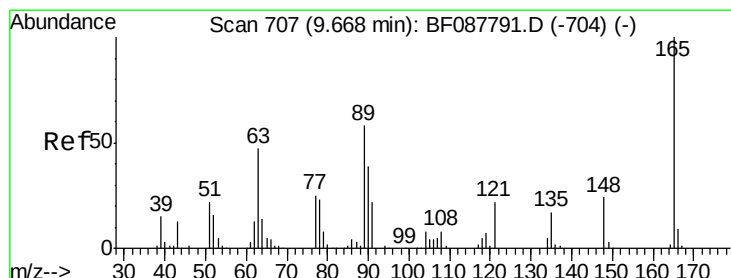
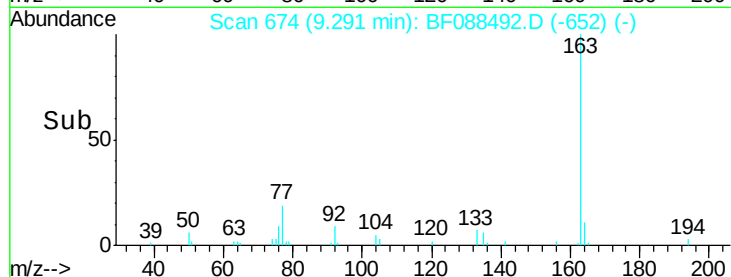
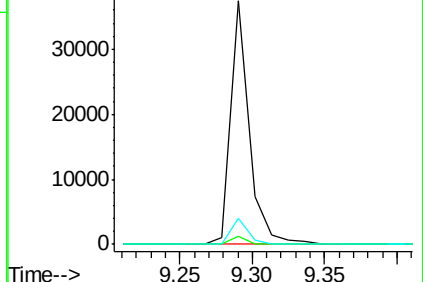
164 10.6 8.3 12.5



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



#50

2,6-Dinitrotoluene

Concen: 9.11 ng

RT: 9.55 min Scan# 697

Delta R.T. 0.16 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

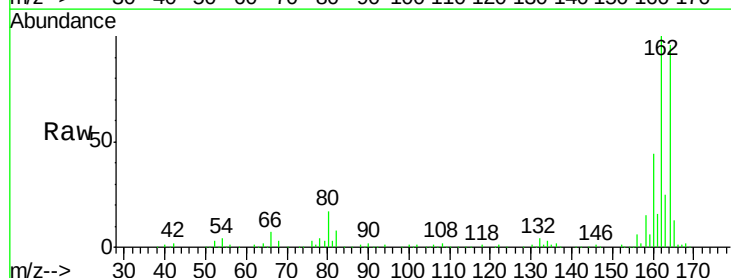
Tgt Ion:165 Resp: 28770

Ion Ratio Lower Upper

165 100

63 1.6 28.1 42.1#

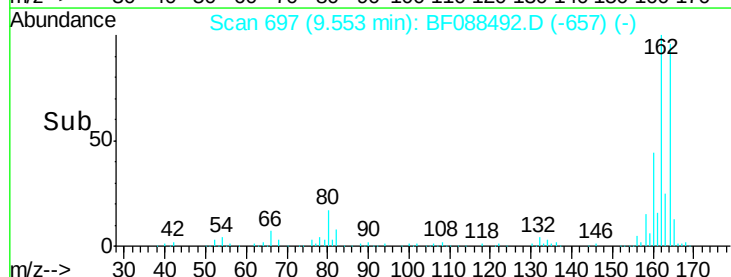
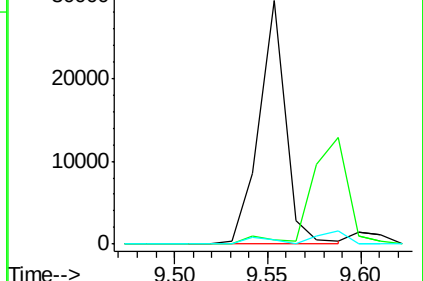
89 1.8 32.2 48.2#

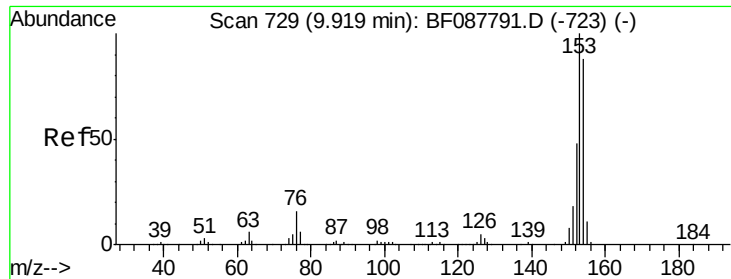


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 19.27 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.03 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Instrument :

BNA_F

ClientSampleId :

TP-9DL

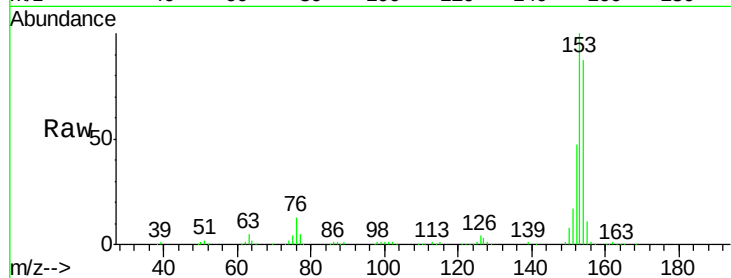
Tgt Ion:154 Resp: 23527

Ion Ratio Lower Upper

154 100

153 114.7 89.5 134.3

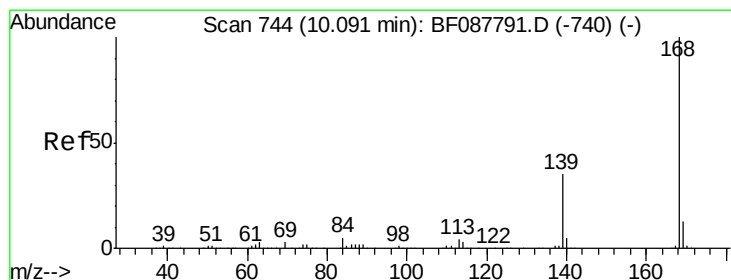
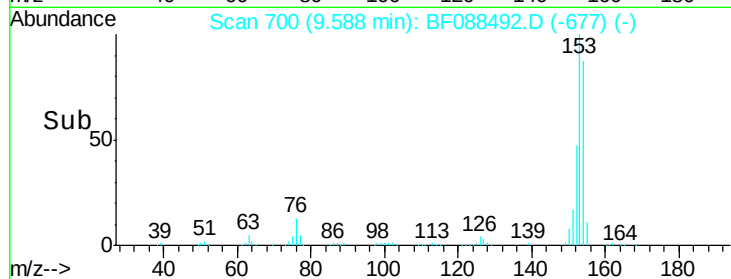
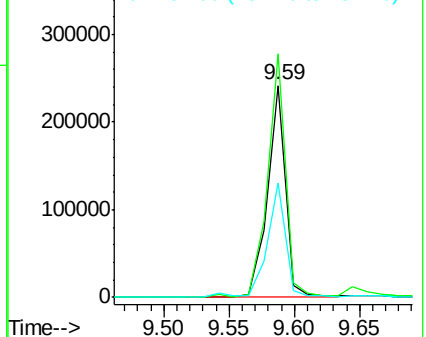
152 53.8 42.7 64.1



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: 13.59 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.03 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

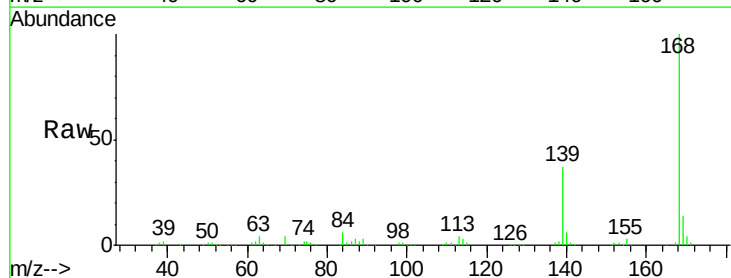
Tgt Ion:168 Resp: 228668

Ion Ratio Lower Upper

168 100

139 37.3 26.4 39.6

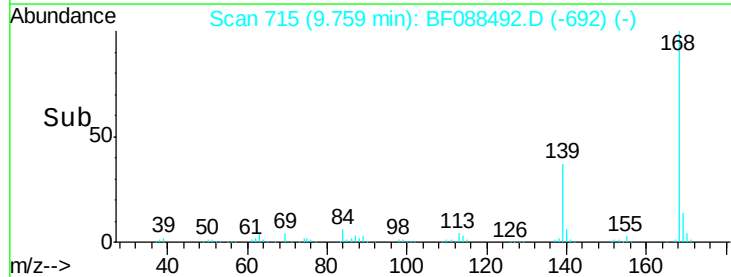
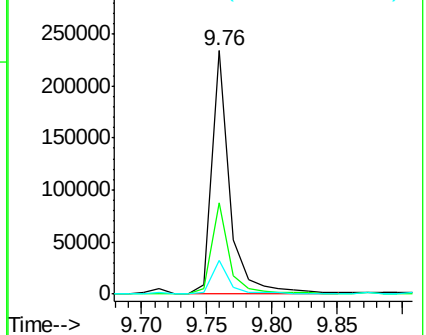
169 13.6 10.4 15.6

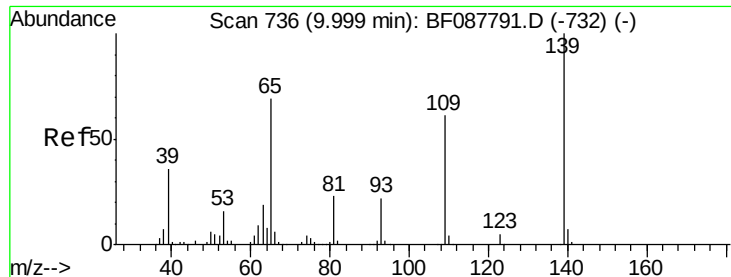


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

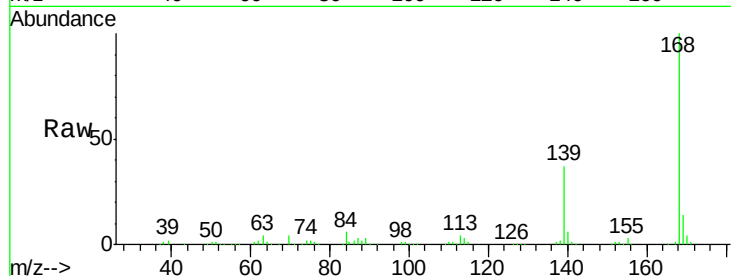




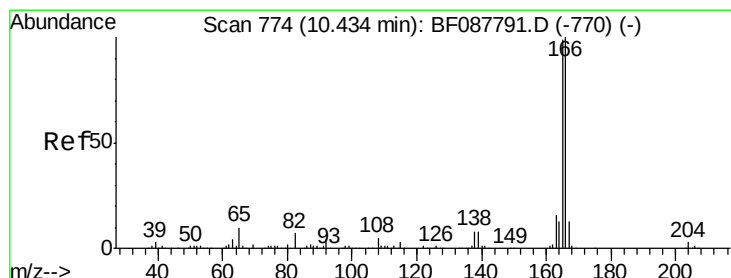
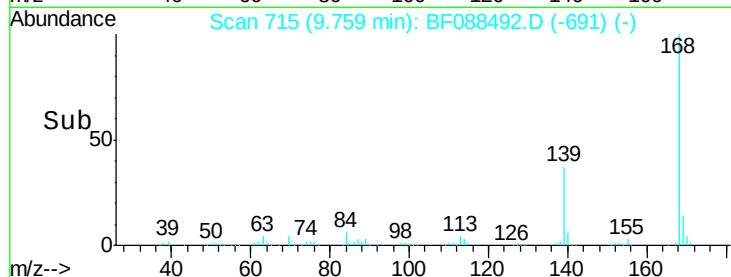
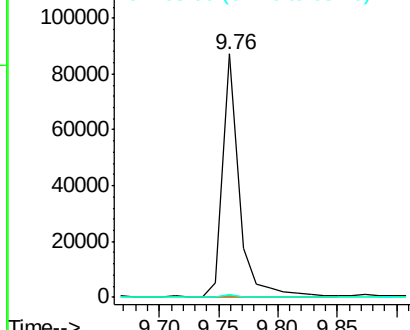
#55
4-Nitrophenol
Concen: 30.01 ng
RT: 9.76 min Scan# 715
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
TP-9DL

Tgt Ion:139 Resp: 84855
Ion Ratio Lower Upper
139 100
109 0.8 48.9 88.9#
65 1.3 84.9 124.9#

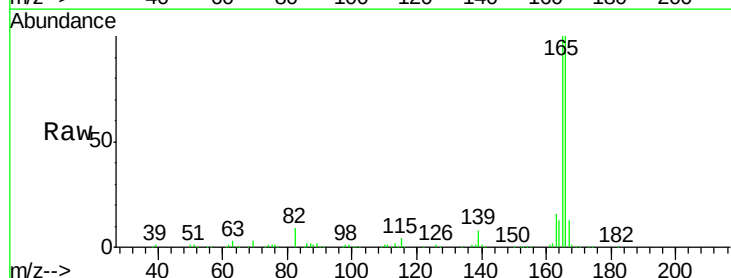


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

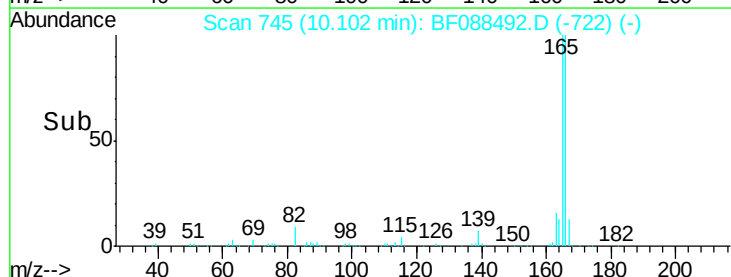
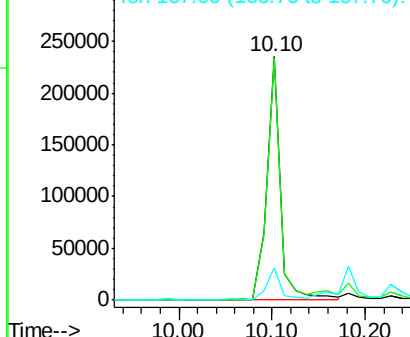


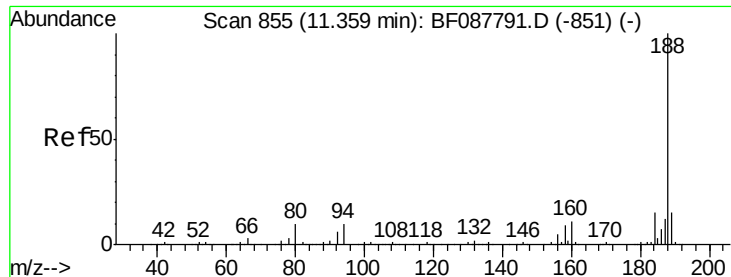
#57
Fluorene
Concen: 18.45 ng
RT: 10.10 min Scan# 745
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:166 Resp: 242235
Ion Ratio Lower Upper
166 100
165 99.6 77.8 116.8
167 13.4 11.2 16.8



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

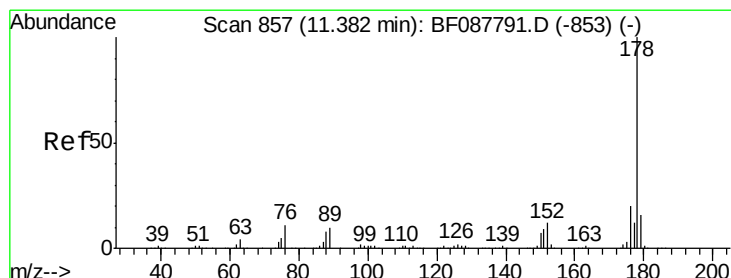
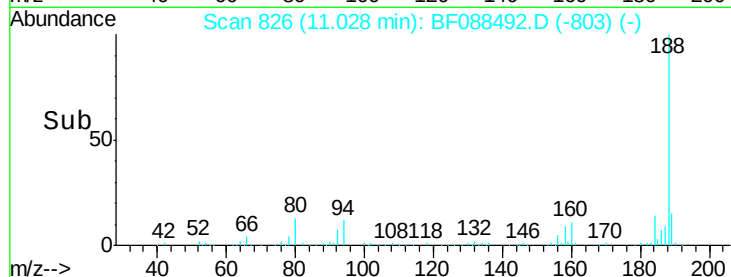
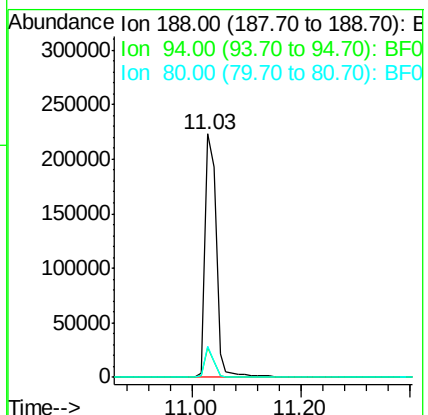
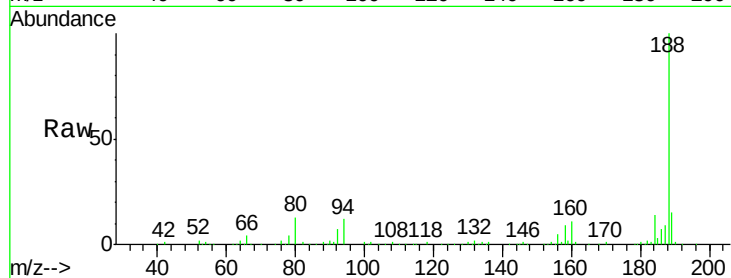




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

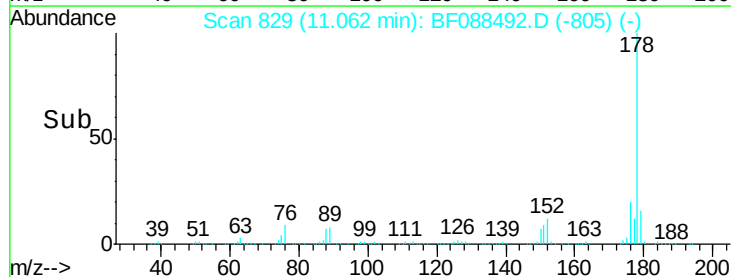
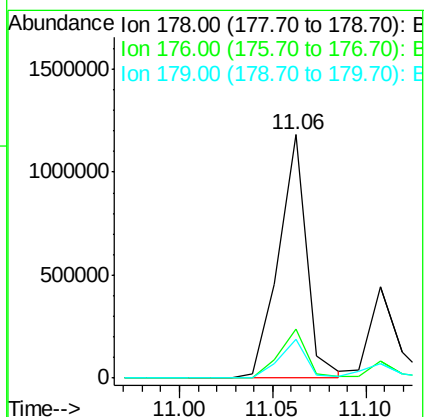
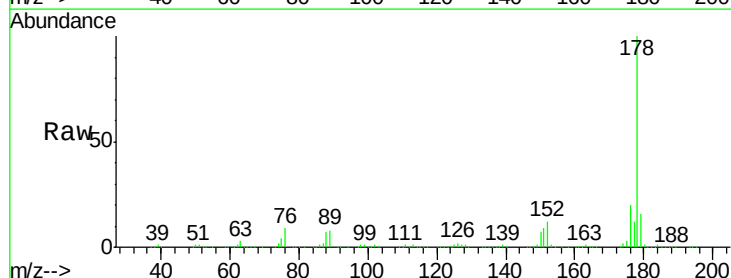
Instrument :
BNA_F
ClientSampleId :
TP-9DL

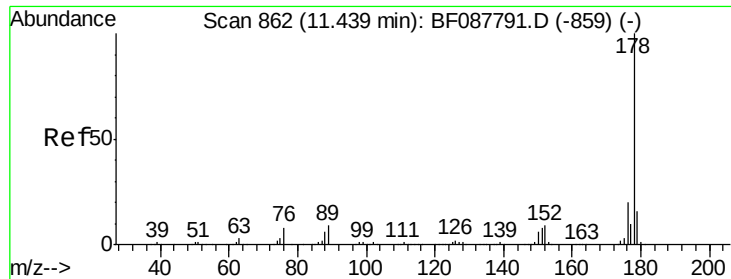
Tgt Ion:188 Resp: 319289
Ion Ratio Lower Upper
188 100
94 12.3 9.0 13.6
80 12.6 10.0 15.0



#70
Phenanthrene
Concen: 73.38 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:178 Resp: 1229388
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.6
179 15.9 13.0 19.4

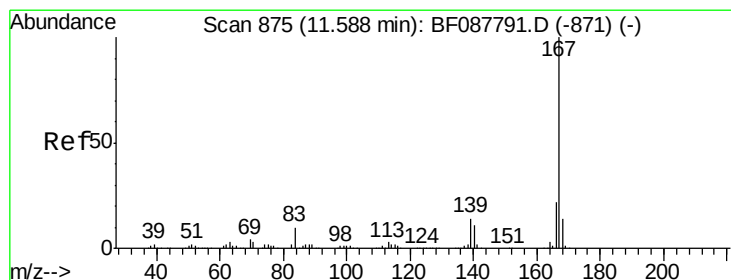
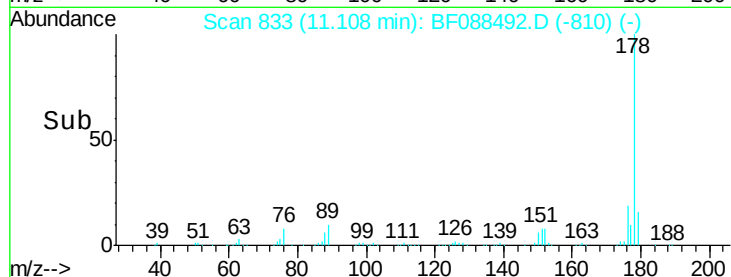
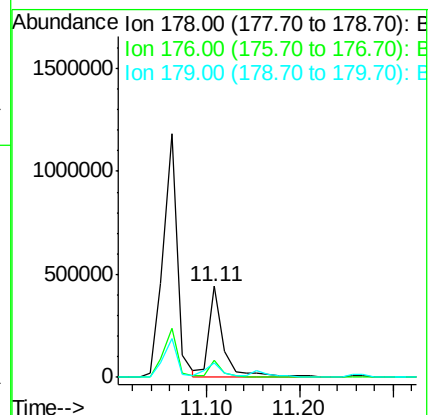
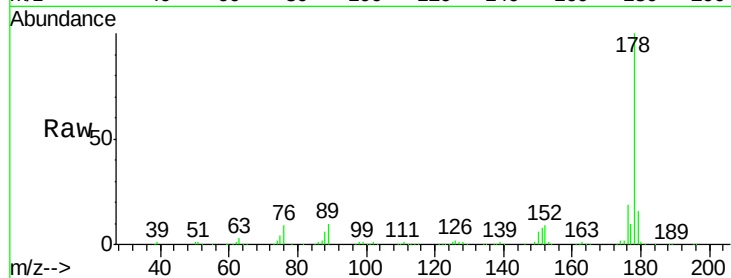




#71
 Anthracene
 Concen: 27.99 ng
 RT: 11.11 min Scan# 833
 Delta R.T. -0.03 min
 Lab File: BF088492.D
 Acq: 28 Jun 2016 21:35

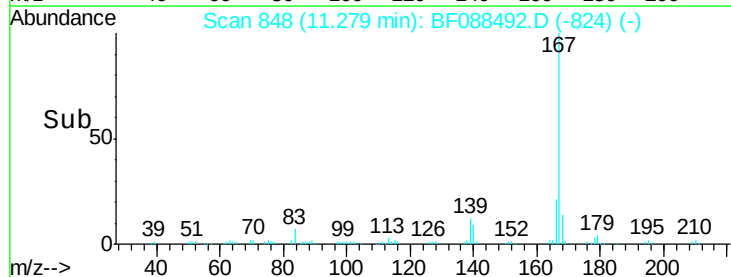
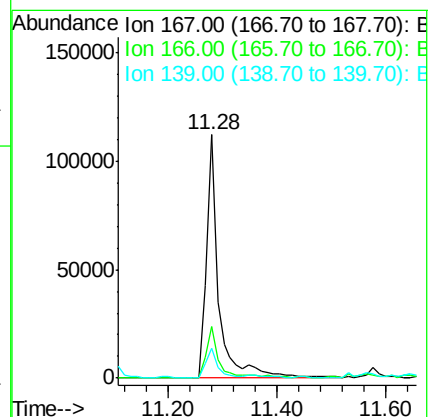
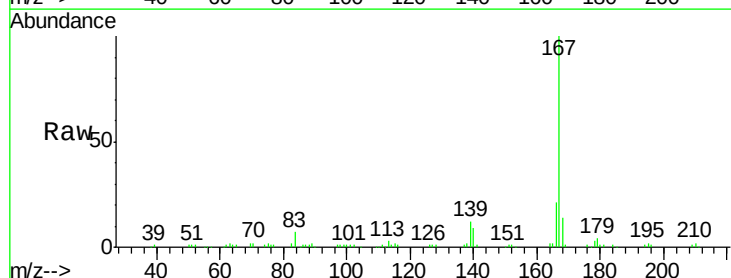
Instrument :
 BNA_F
 ClientSampleId :
 TP-9DL

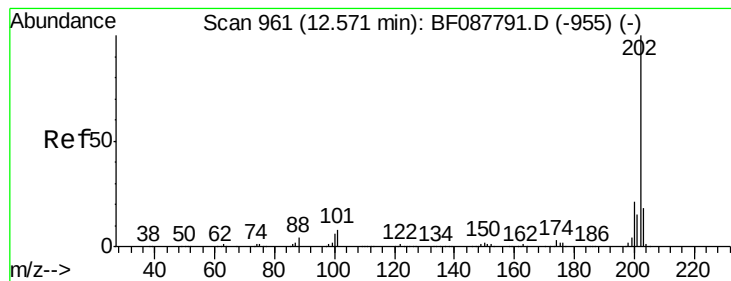
Tgt Ion:178 Resp: 473079
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.6 23.4
 179 16.3 12.8 19.2



#72
 Carbazole
 Concen: 11.05 ng
 RT: 11.28 min Scan# 848
 Delta R.T. -0.02 min
 Lab File: BF088492.D
 Acq: 28 Jun 2016 21:35

Tgt Ion:167 Resp: 174771
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.8 26.6
 139 12.2 11.2 16.8

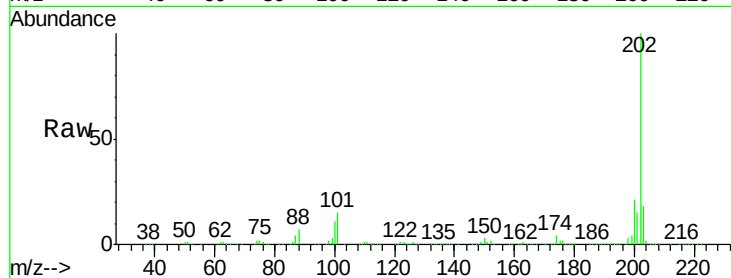




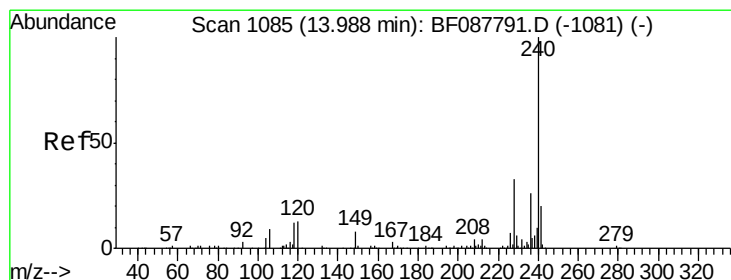
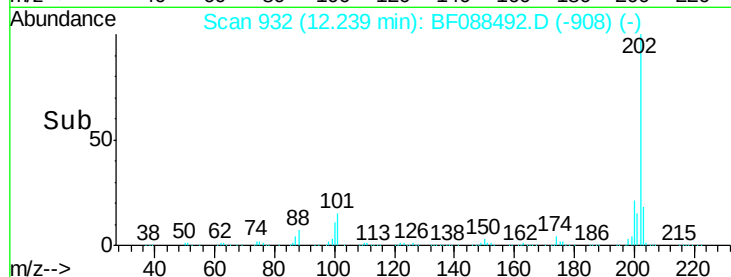
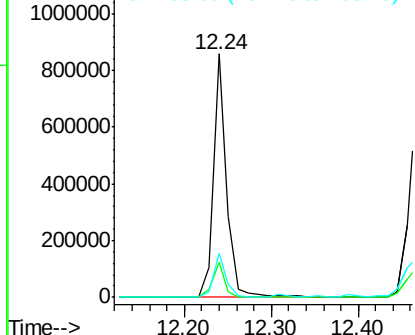
#74
Fluoranthene
Concen: 51.63 ng
RT: 12.24 min Scan# 932
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Instrument :
BNA_F
ClientSampled :
TP-9DL

Tgt Ion: 202 Resp: 912888
Ion Ratio Lower Upper
202 100
101 14.6 0.0 33.1
203 18.2 0.0 38.1

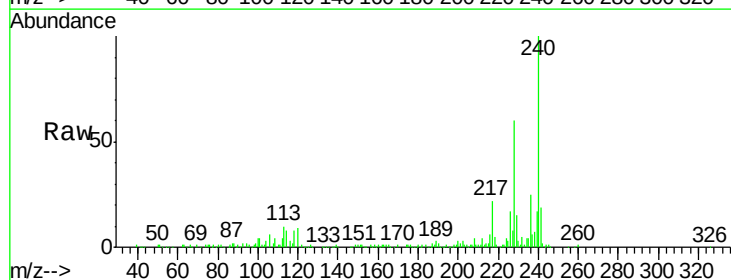


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

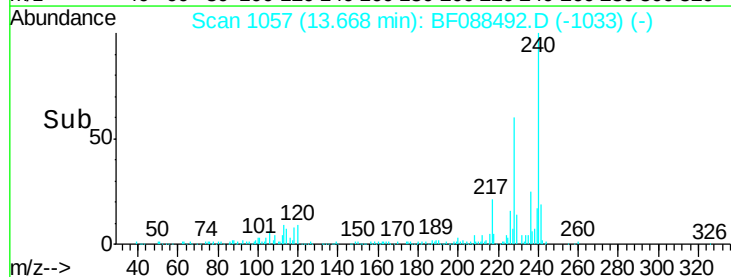
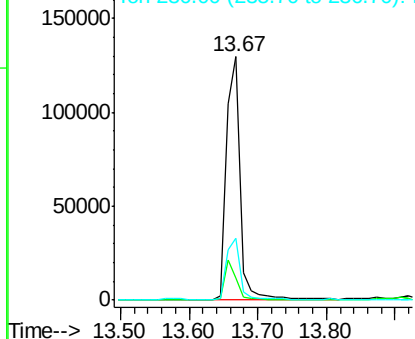


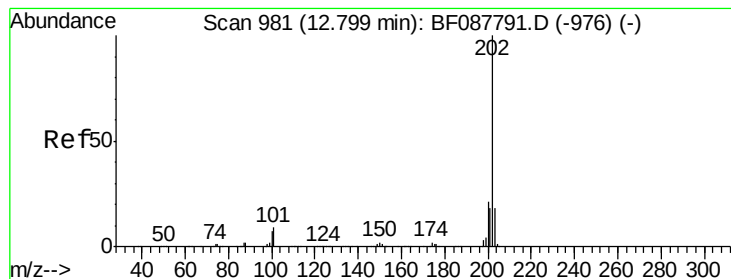
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.02 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion: 240 Resp: 186952
Ion Ratio Lower Upper
240 100
120 9.0 6.8 10.2
236 25.2 20.2 30.2



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: 58.54 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.02 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Instrument :

BNA_F

ClientSampleId :

TP-9DL

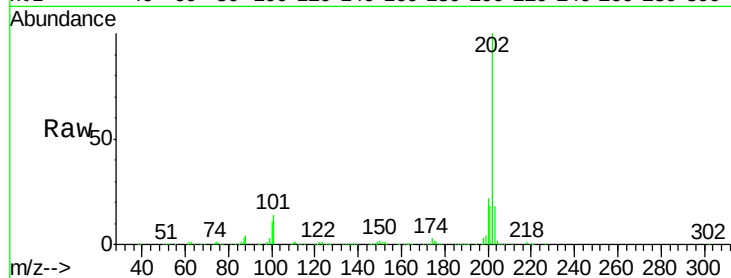
Tgt Ion:202 Resp: 812139

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

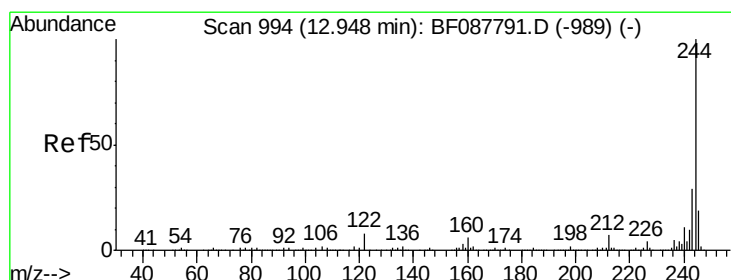
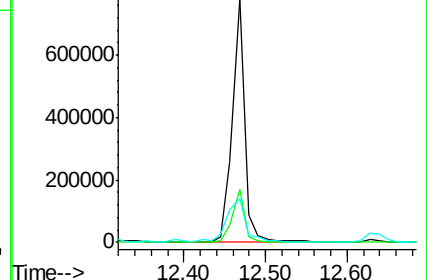
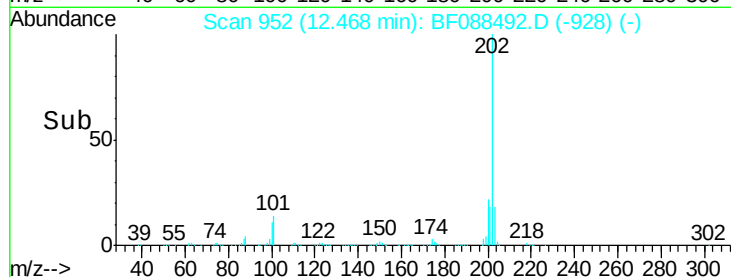
203 18.3 14.5 21.7



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: 24.52 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.02 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

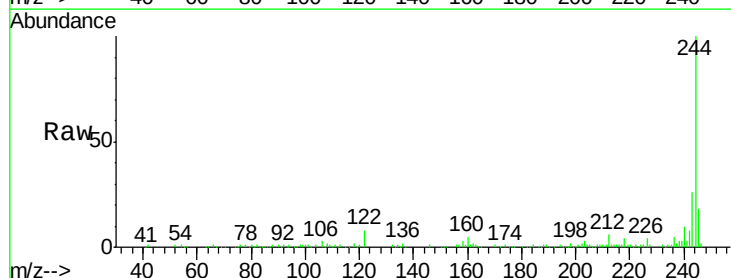
Tgt Ion:244 Resp: 201429

Ion Ratio Lower Upper

244 100

212 6.2 6.0 9.0

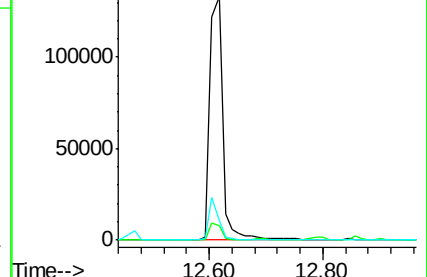
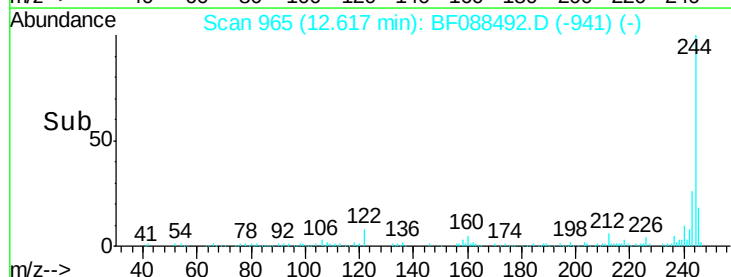
122 8.1 11.2 16.8#

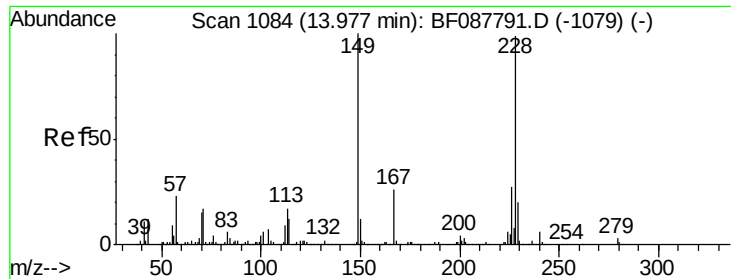


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 43.37 ng

RT: 13.66 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Instrument :

BNA_F

ClientSampleId :

TP-9DL

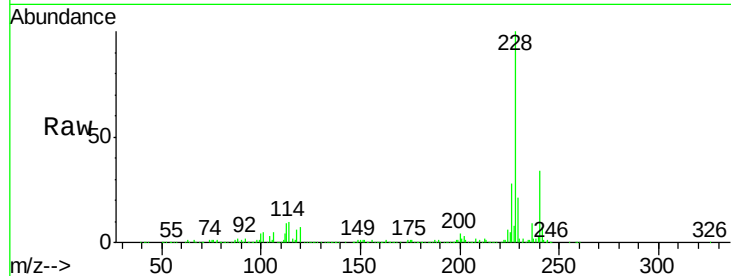
Tgt Ion:228 Resp: 462091

Ion Ratio Lower Upper

228 100

226 27.6 22.3 33.5

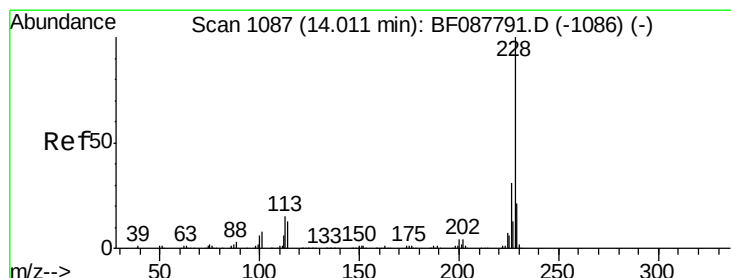
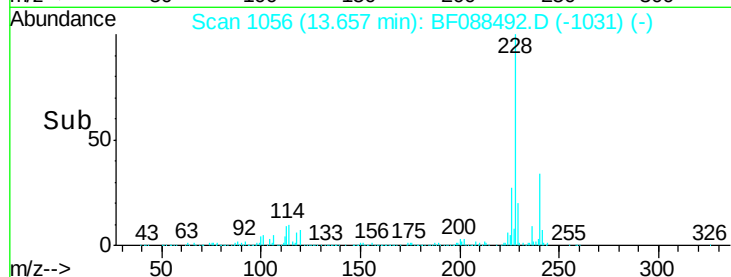
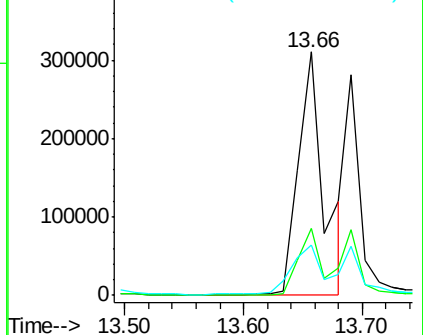
229 20.7 16.0 24.0



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: 46.10 ng

RT: 13.66 min Scan# 1056

Delta R.T. -0.06 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

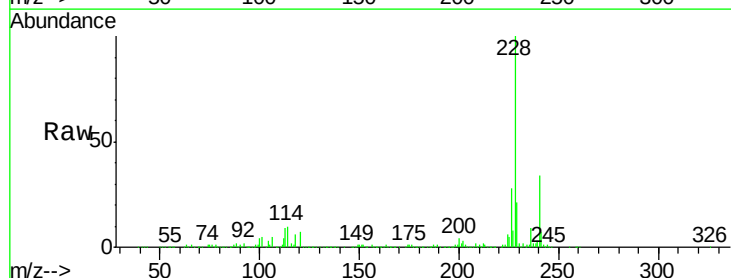
Tgt Ion:228 Resp: 462091

Ion Ratio Lower Upper

228 100

226 27.6 25.4 38.2

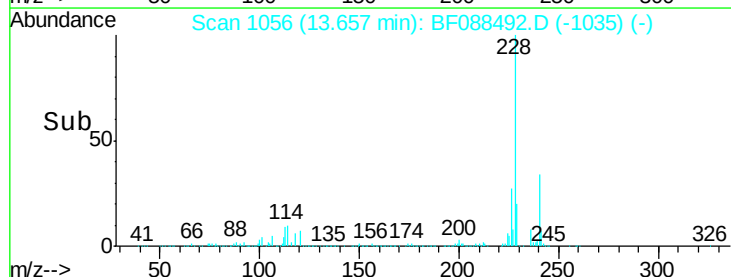
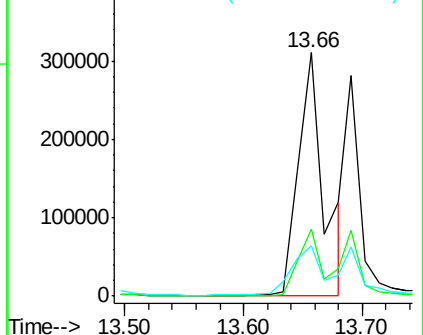
229 20.7 16.3 24.5

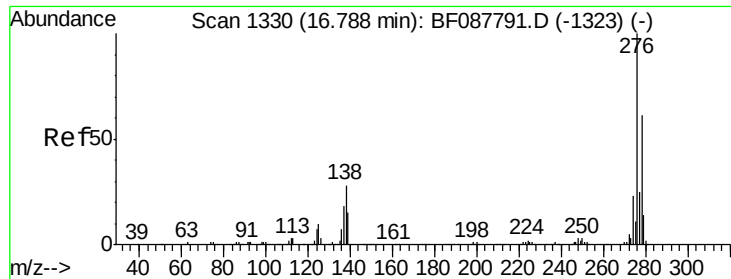


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 18.38 ng

RT: 16.24 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Instrument :

BNA_F

ClientSampled :

TP-9DL

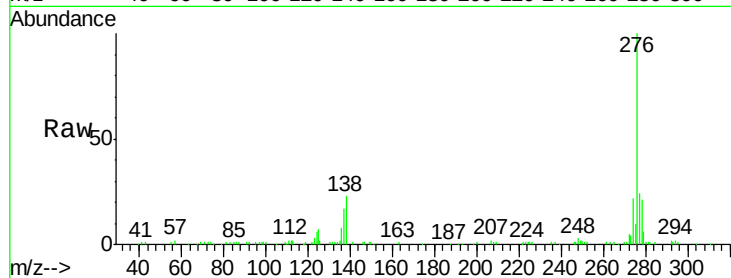
Tgt Ion:276 Resp: 171189

Ion Ratio Lower Upper

276 100

138 26.4 0.0 0.0#

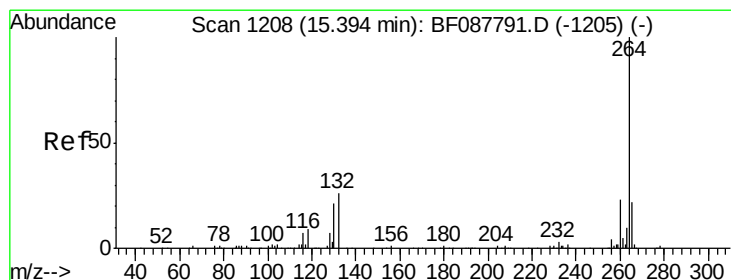
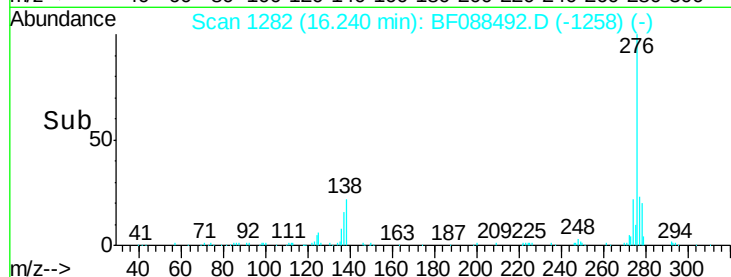
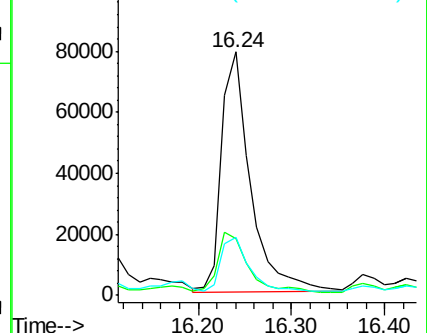
277 22.1 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.02 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

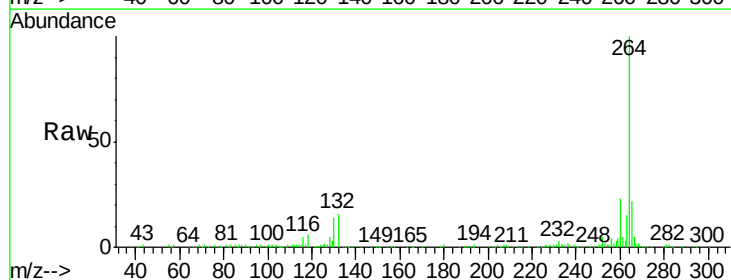
Tgt Ion:264 Resp: 182738

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

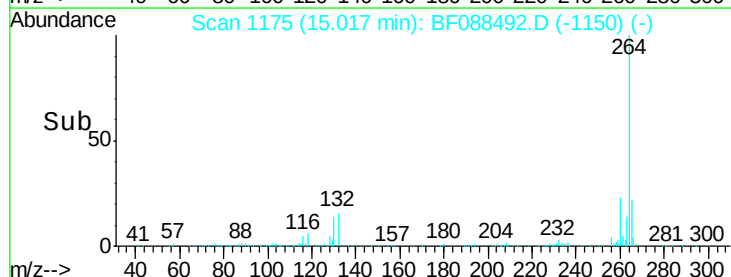
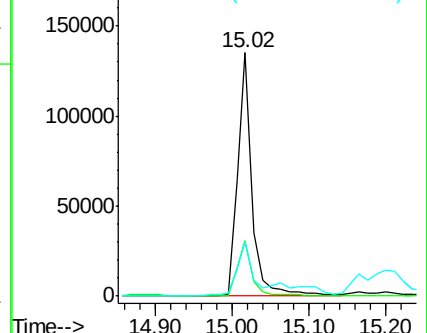
265 22.3 16.9 25.3

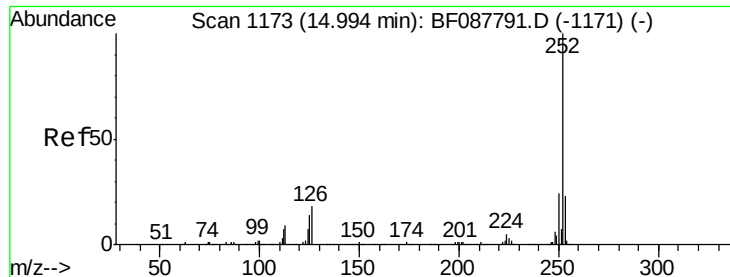


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

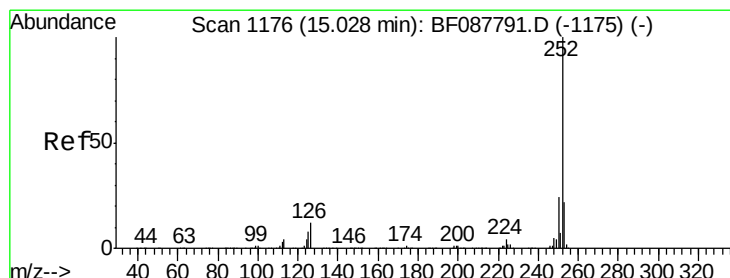
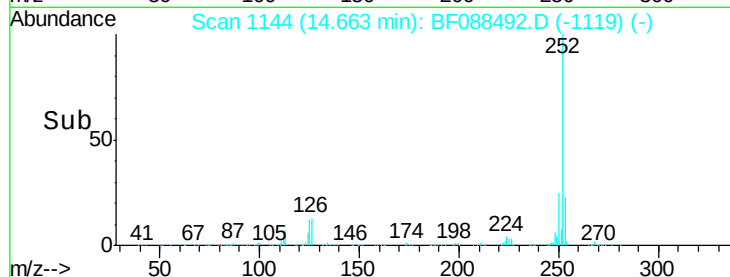
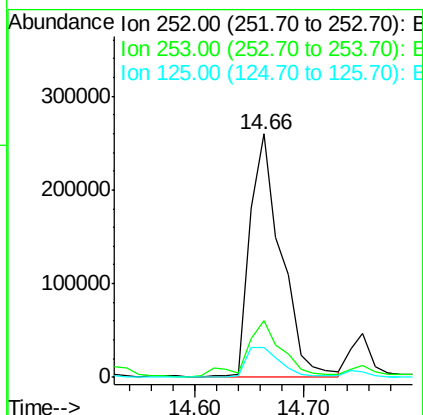
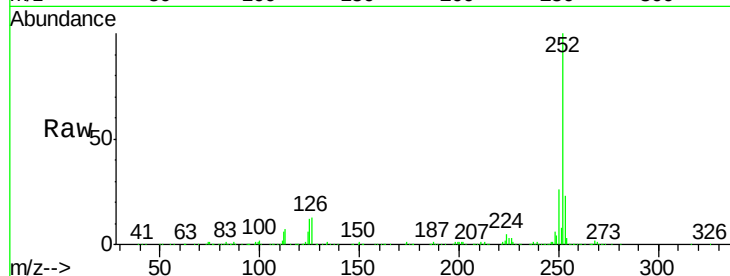




#87
Benzo(b)fluoranthene
Concen: 40.27 ng
RT: 14.66 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

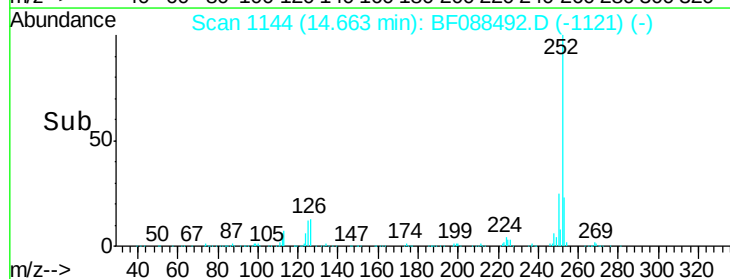
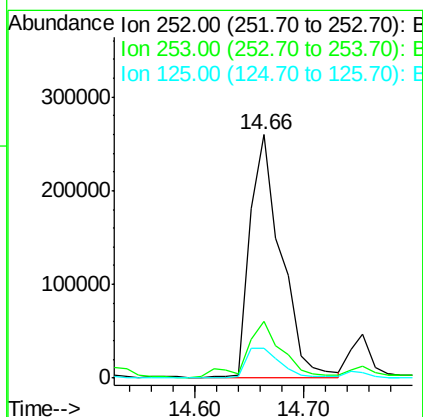
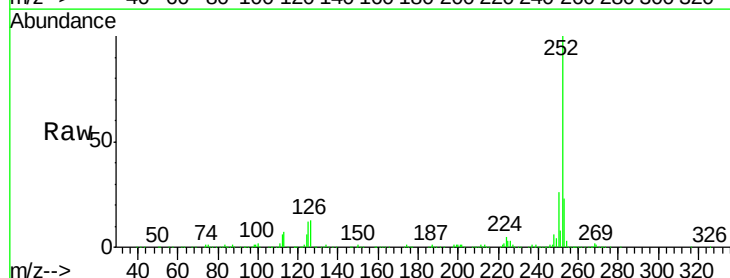
Instrument :
BNA_F
ClientSampleId :
TP-9DL

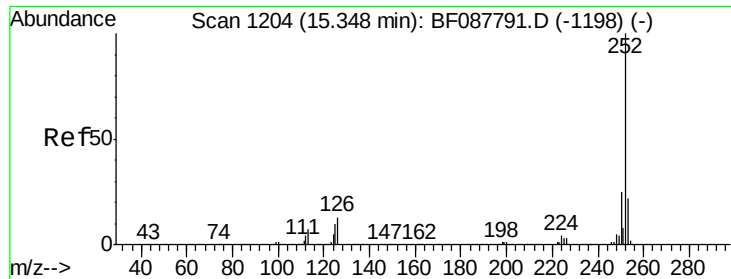
Tgt Ion:252 Resp: 512913
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 12.4 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 53.38 ng
RT: 14.66 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BF088492.D
Acq: 28 Jun 2016 21:35

Tgt Ion:252 Resp: 512913
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 12.4 11.2 16.8





#89

Benzo(a)pyrene

Concen: 27.74 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Instrument :

BNA_F

ClientSampleId :

TP-9DL

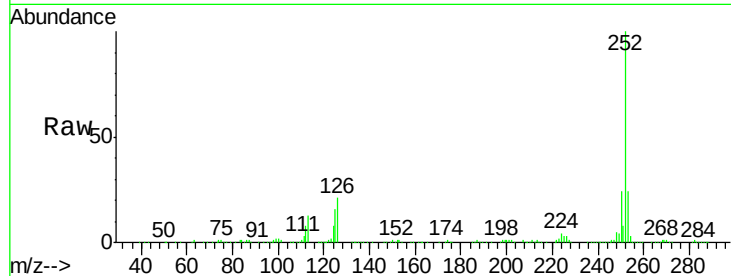
Tgt Ion:252 Resp: 285892

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

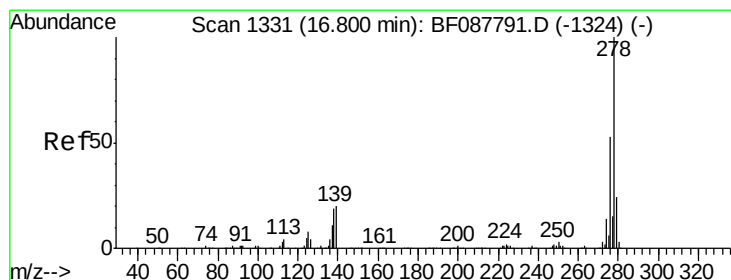
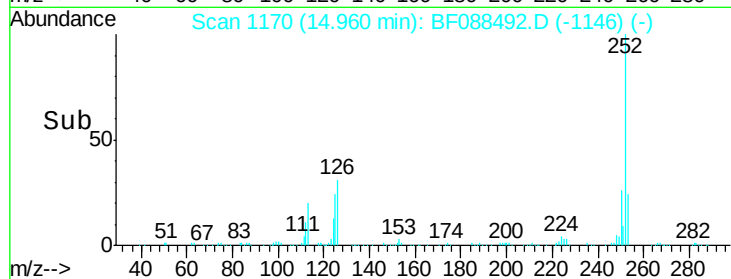
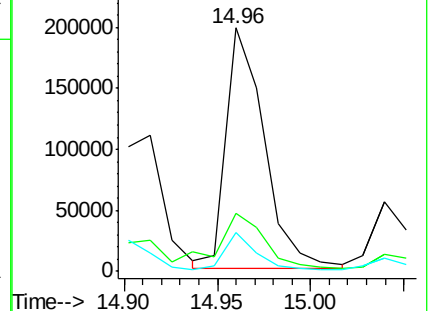
125 15.9 12.5 18.7



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: 4.12 ng

RT: 16.38 min Scan# 1294

Delta R.T. 0.11 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

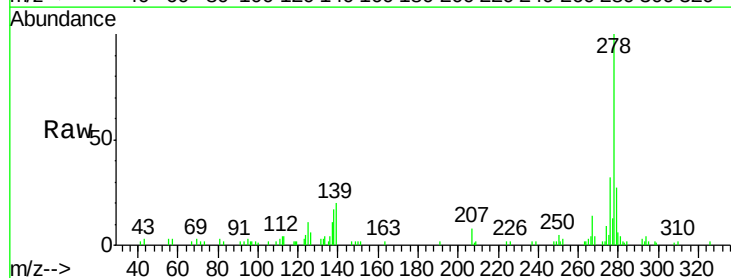
Tgt Ion:278 Resp: 39422

Ion Ratio Lower Upper

278 100

139 19.9 15.7 23.5

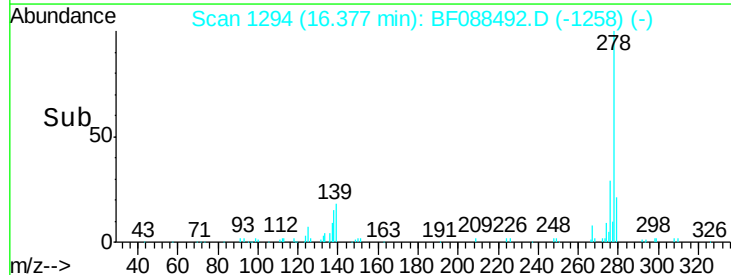
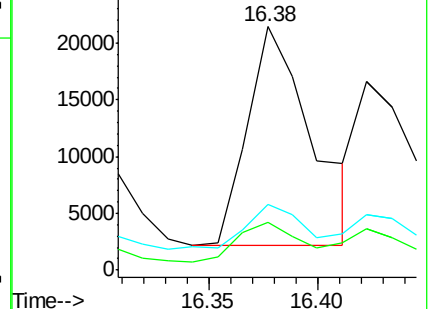
279 26.8 19.4 29.2

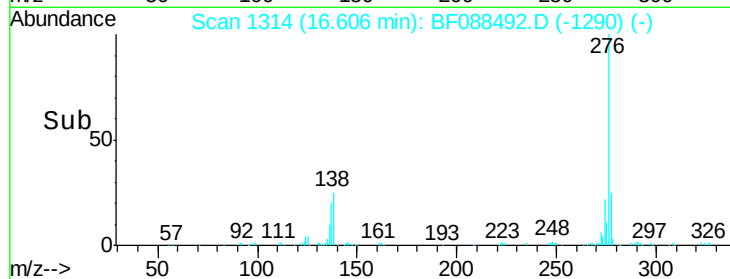
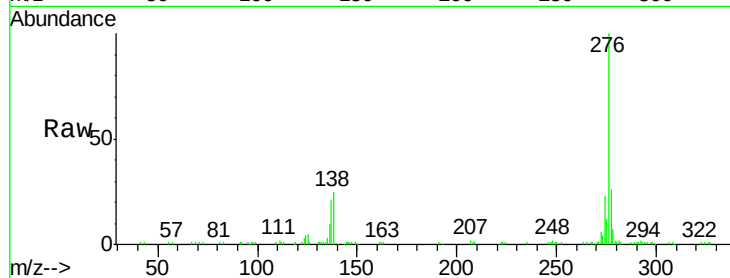
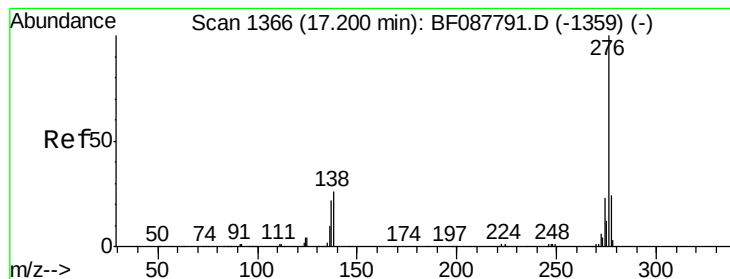


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 15.72 ng

RT: 16.61 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF088492.D

Acq: 28 Jun 2016 21:35

Instrument :

BNA_F

ClientSampleId :

TP-9DL

Tgt Ion: 276 Resp: 154797

Ion Ratio Lower Upper

276 100

277 26.1 18.9 28.3

138 25.2 21.4 32.2

