

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062716\
 Data File : BF088482.D
 Acq On : 28 Jun 2016 7:31
 Operator : UM/SJ
 Sample : H3602-07DL 10X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q8-B4(0-2)CDL

Quant Time: Jun 28 08:00:49 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

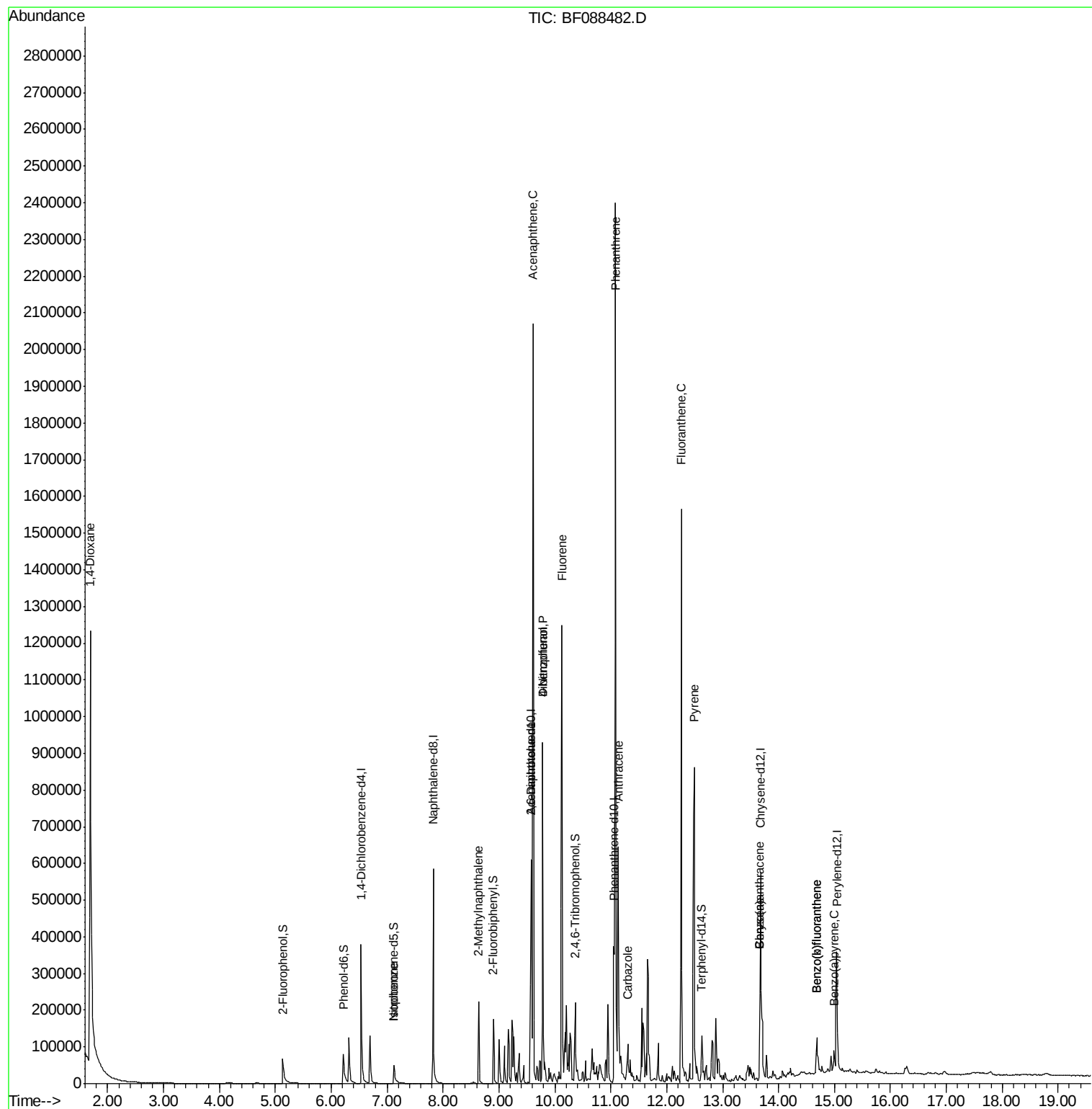
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	77000	20.00	ng	-0.01
21) Naphthalene-d8	7.83	136	311285	20.00	ng	-0.01
38) Acenaphthene-d10	9.58	164	128821	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	192510	20.00	ng	-0.01
75) Chrysene-d12	13.68	240	168638	20.00	ng	-0.01
86) Perylene-d12	15.04	264	161772	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	55910	12.41	ng	0.00
7) Phenol-d6	6.22	99	75745	13.88	ng	-0.01
23) Nitrobenzene-d5	7.12	82	45376	8.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	9962	7.32	ng	-0.01
44) 2-Fluorobiphenyl	8.90	172	72646	3.55	ng	-0.02
78) Terphenyl-d14	12.63	244	45523	6.14	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.69	88	74043	33.83	ng	# 87
25) Isophorone	7.12	82	47474	4.81	ng	# 65
37) 2-Methylnaphthalene	8.64	142	67474	6.65	ng	96
45) 1,1'-Biphenyl	9.00	154	48417	Below	Cal	97
50) 2,6-Dinitrotoluene	9.58	165	22338	10.45	ng	# 41
51) Acenaphthene	9.61	154	490907	59.35	ng	98
54) Dibenzofuran	9.78	168	414497	36.39	ng	92
55) 4-Nitrophenol	9.78	139	151702	79.26	ng	# 6
57) Fluorene	10.12	166	410464	54.32	ng	97
70) Phenanthrene	11.09	178	1077673	106.68	ng	99
71) Anthracene	11.13	178	313179	30.73	ng	99
72) Carbazole	11.30	167	66414	6.96	ng	98
74) Fluoranthene	12.26	202	673410	63.17	ng	99
77) Pyrene	12.49	202	495799	39.62	ng	99
80) Benzo(a)anthracene	13.67	228	194416	20.23	ng	96
82) Chrysene	13.67	228	194416	21.50	ng	92
87) Benzo(b)fluoranthene	14.69	252	73738	6.54	ng	# 96
88) Benzo(k)fluoranthene	14.69	252	73738	8.67	ng	99
89) Benzo(a)pyrene	14.99	252	28597	3.13	ng	97

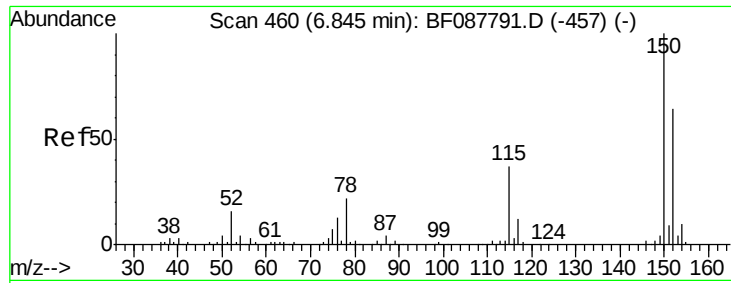
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.54 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

Instrument :

BNA_F

ClientSampleId :

Q8-B4(0-2)CDL

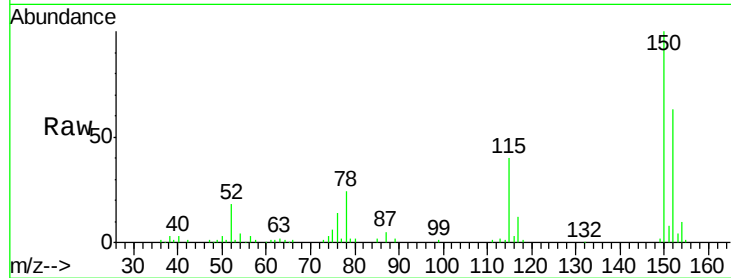
Tgt Ion:152 Resp: 77000

Ion Ratio Lower Upper

152 100

150 159.4 123.8 185.6

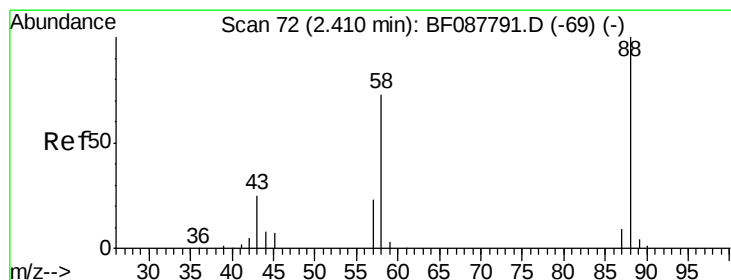
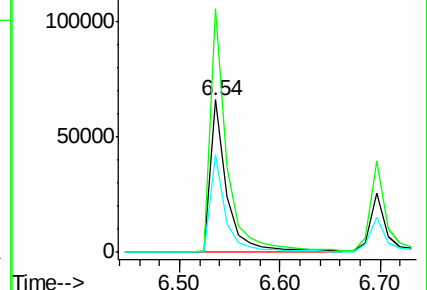
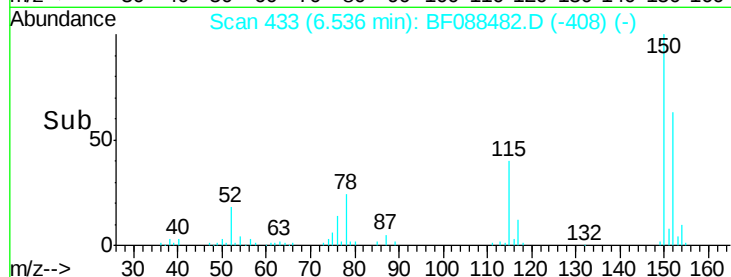
115 63.6 39.6 59.4#



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: 33.83 ng

RT: 1.69 min Scan# 9

Delta R.T. -0.25 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

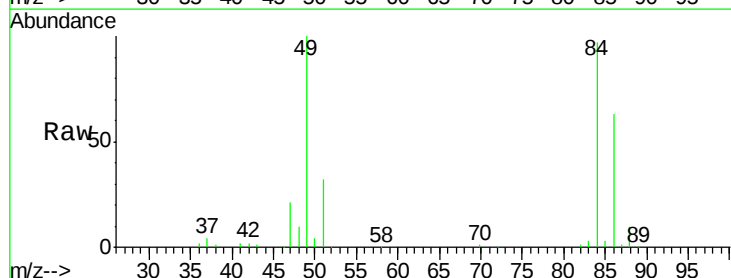
Tgt Ion: 88 Resp: 74043

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

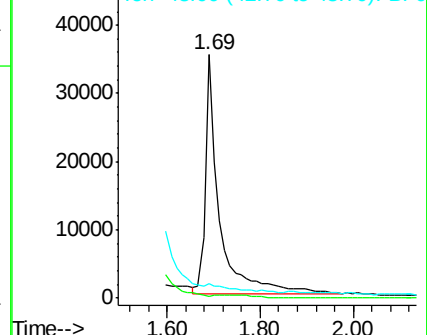
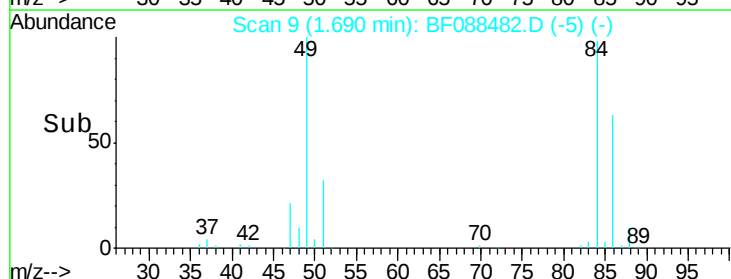
43 0.0 3.4 5.2#

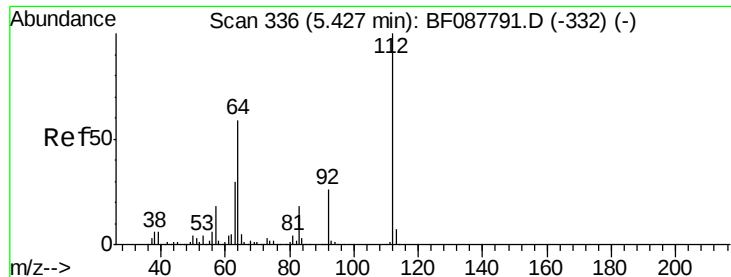


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 12.41 ng

RT: 5.13 min Scan# 310

Delta R.T. 0.00 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

Instrument :

BNA_F

ClientSampleId :

Q8-B4(0-2)CDL

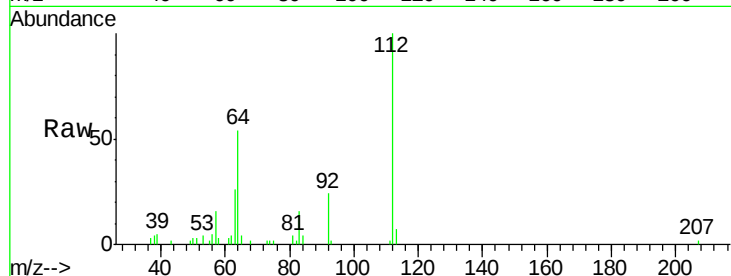
Tgt Ion: 112 Resp: 55910

Ion Ratio Lower Upper

112 100

64 53.8 42.2 63.2

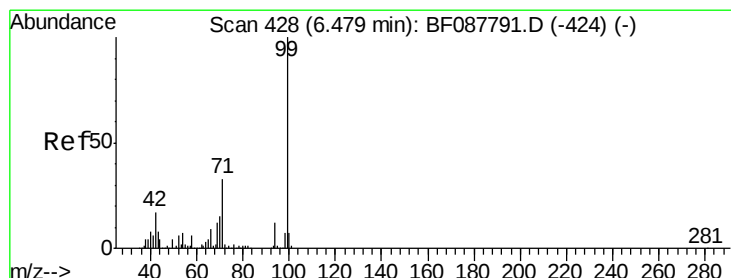
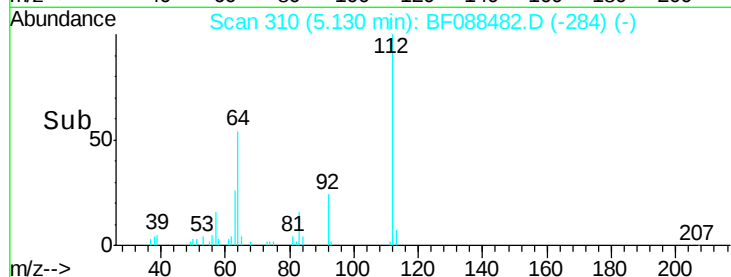
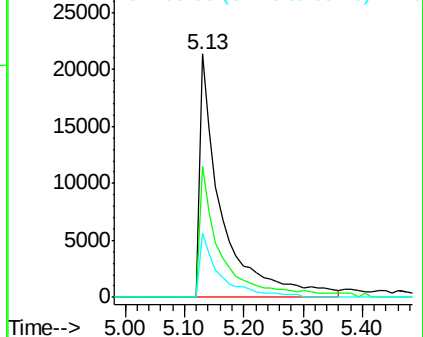
63 26.5 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 13.88 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

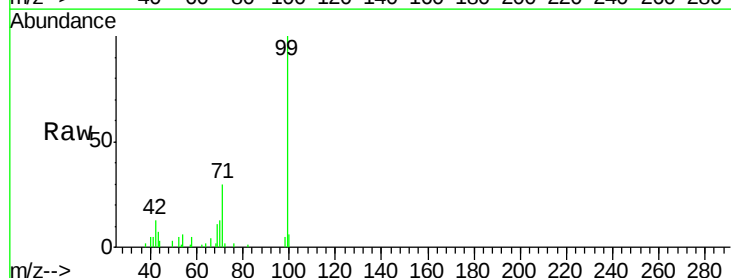
Tgt Ion: 99 Resp: 75745

Ion Ratio Lower Upper

99 100

42 13.5 12.2 18.2

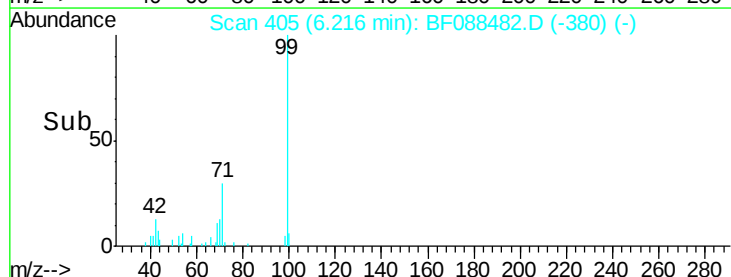
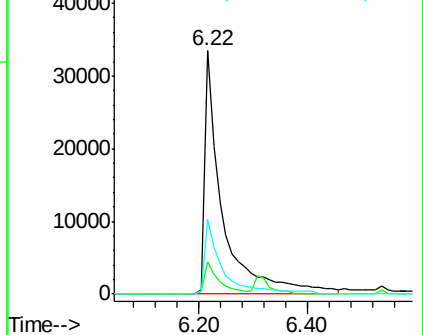
71 30.5 23.4 35.0



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

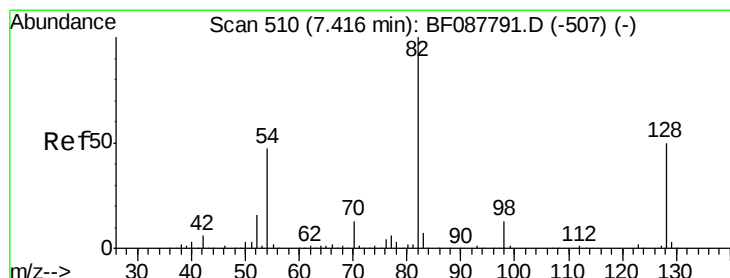
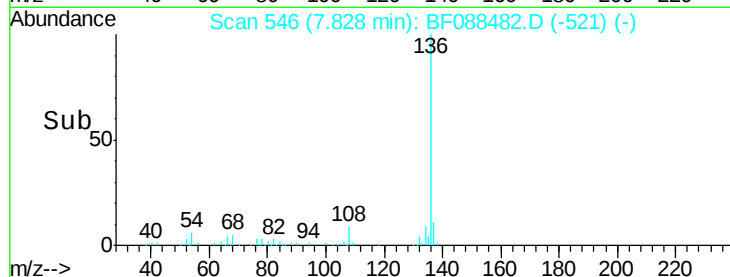
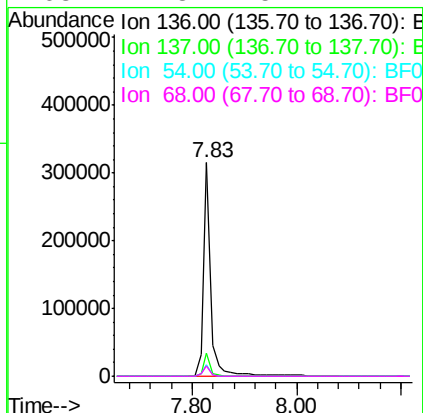
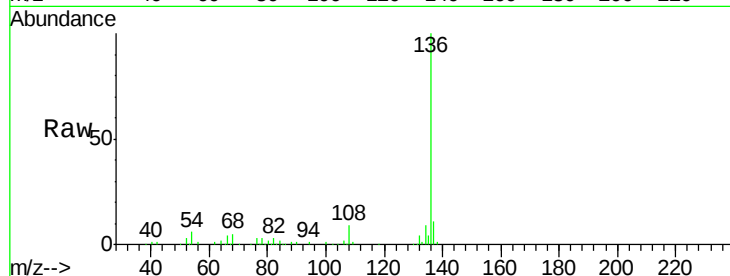




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF088482.D
Acq: 28 Jun 2016 7:31

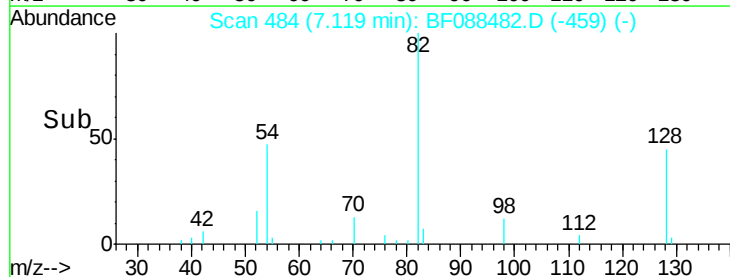
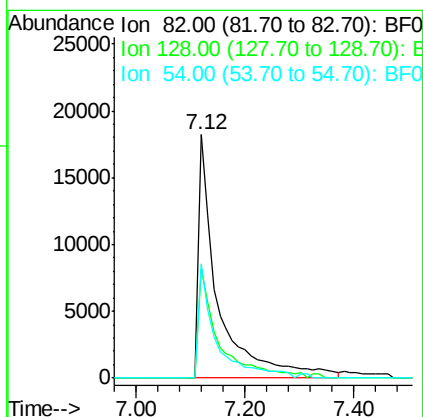
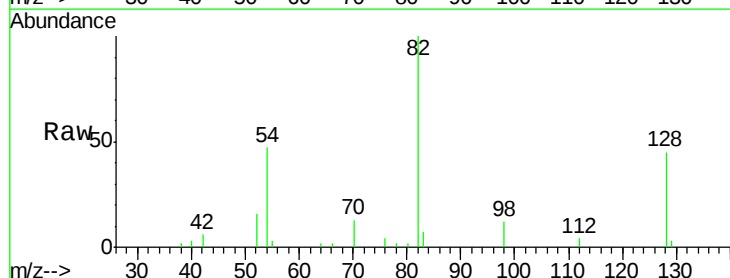
Instrument :
BNA_F
ClientSampleId :
Q8-B4(0-2)CDL

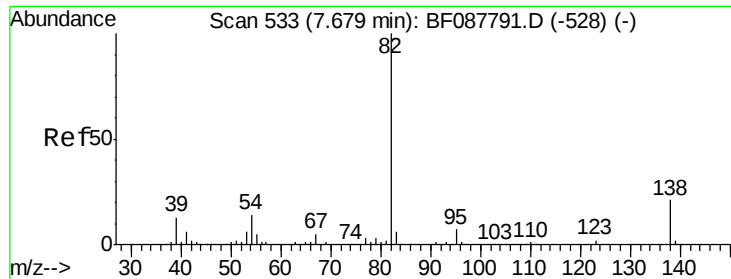
Tgt Ion:	136	Resp:	311285
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.6	6.6	10.0#
68	4.8	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 8.51 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.01 min
Lab File: BF088482.D
Acq: 28 Jun 2016 7:31

Tgt Ion:	82	Resp:	45376
Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.9	53.9
54	47.1	40.9	61.3





#25

Isophorone

Concen: 4.81 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.27 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

Instrument :

BNA_F

ClientSampleId :

Q8-B4(0-2)CDL

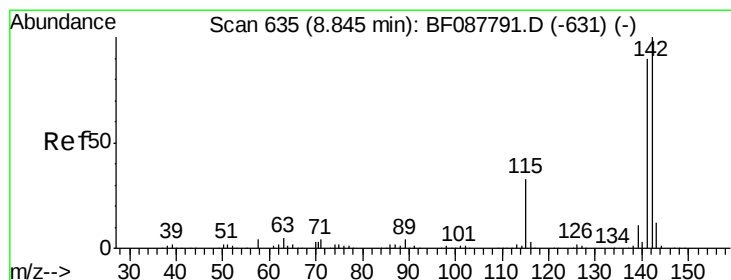
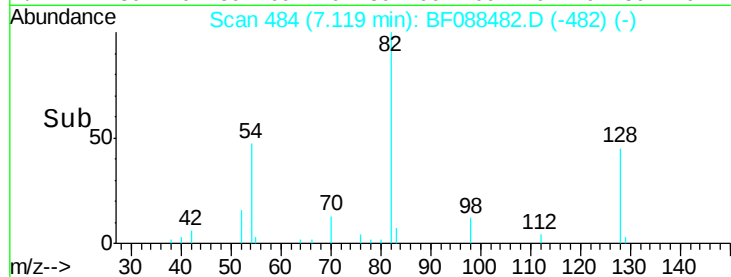
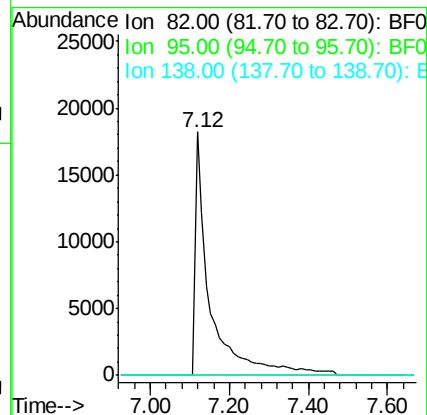
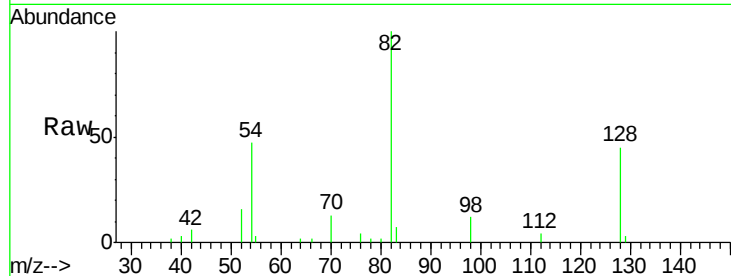
Tgt Ion: 82 Resp: 47474

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#37

2-Methylnaphthalene

Concen: 6.65 ng

RT: 8.64 min Scan# 617

Delta R.T. 0.09 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

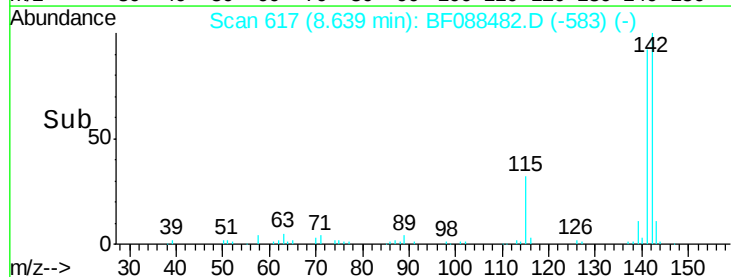
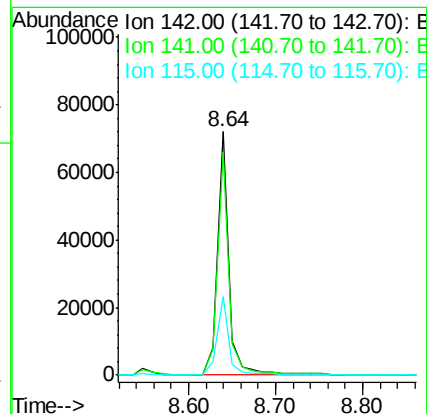
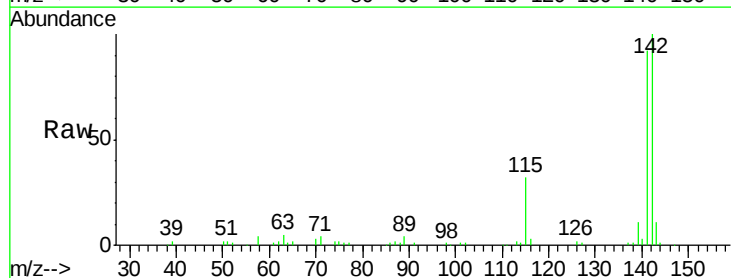
Tgt Ion: 142 Resp: 67474

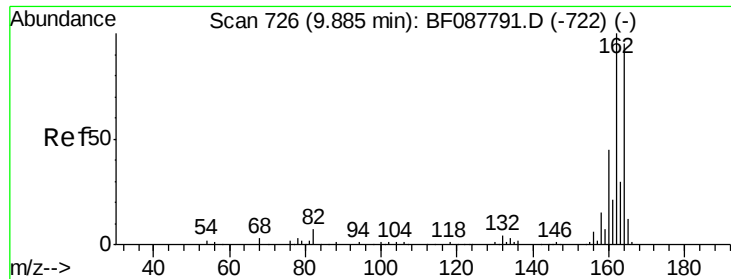
Ion Ratio Lower Upper

142 100

141 91.6 71.0 106.6

115 32.1 22.6 33.8

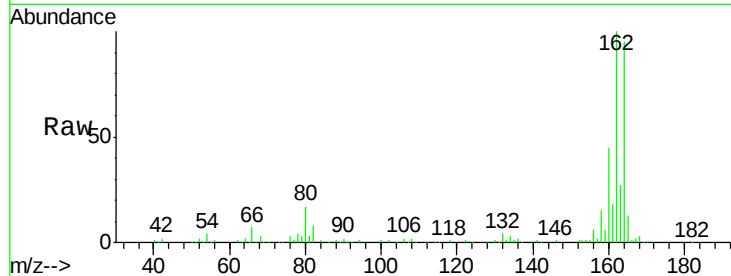




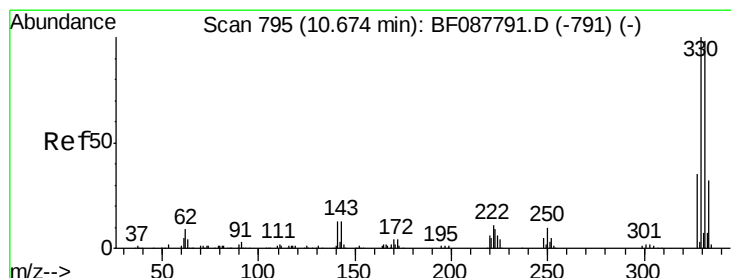
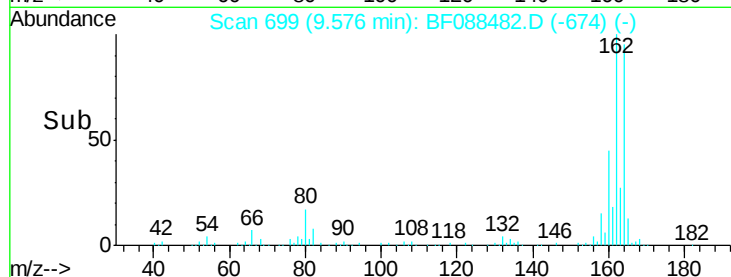
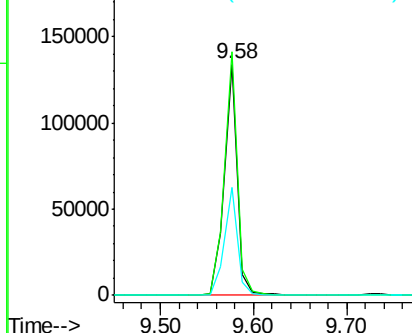
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF088482.D
 Acq: 28 Jun 2016 7:31

Instrument :
 BNA_F
 ClientSampleId :
 Q8-B4(0-2)CDL

Tgt Ion:164 Resp: 128821
 Ion Ratio Lower Upper
 164 100
 162 105.3 85.4 128.2
 160 46.9 39.5 59.3

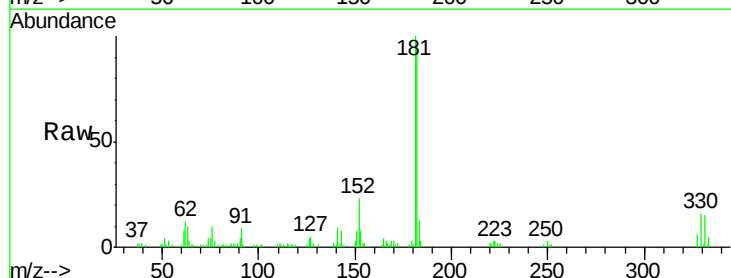


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

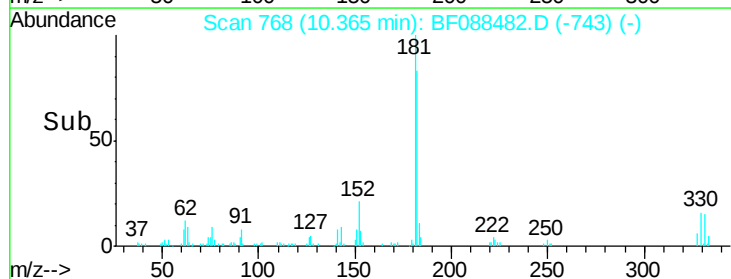
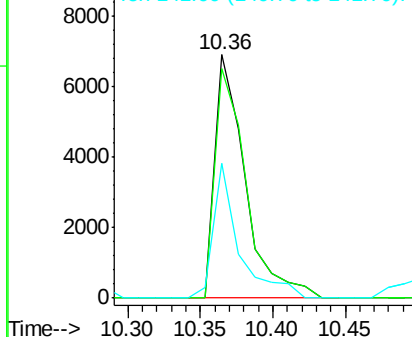


#41
 2,4,6-Tribromophenol
 Concen: 7.32 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF088482.D
 Acq: 28 Jun 2016 7:31

Tgt Ion:330 Resp: 9962
 Ion Ratio Lower Upper
 330 100
 332 98.3 0.0 0.0#
 141 47.1 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

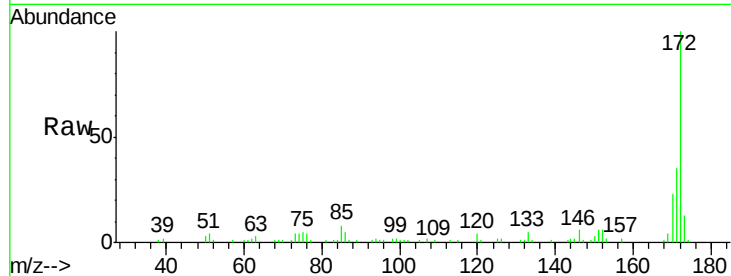




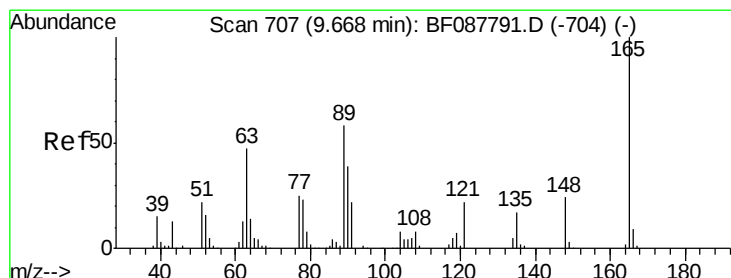
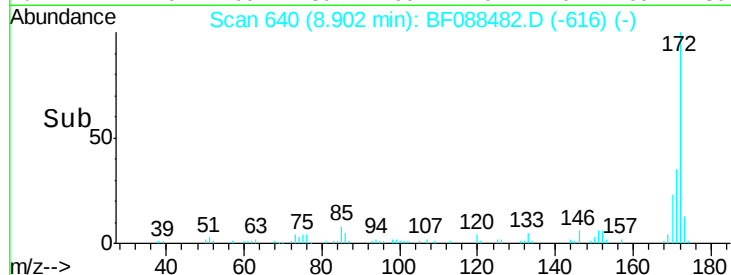
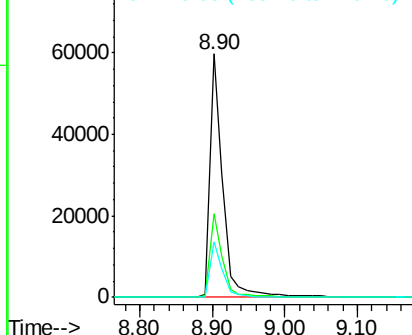
#44
 2-Fluorobiphenyl
 Concen: 3.55 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: BF088482.D
 Acq: 28 Jun 2016 7:31

Instrument :
 BNA_F
 ClientSampleId :
 Q8-B4(0-2)CDL

Tgt Ion:172 Resp: 72646
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.6 43.0
 170 22.7 19.2 28.8

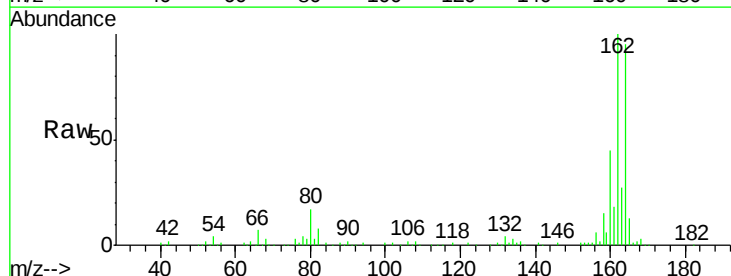


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

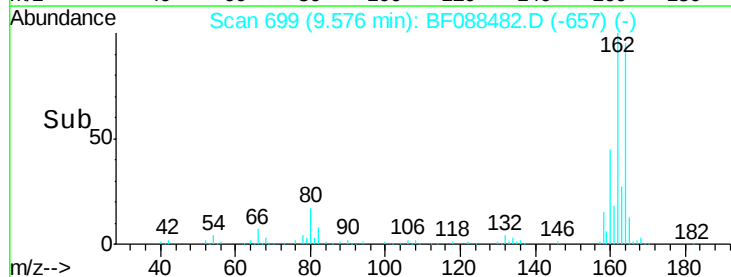
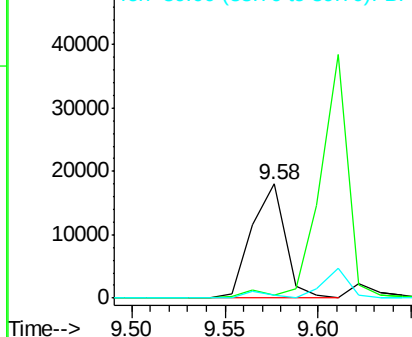


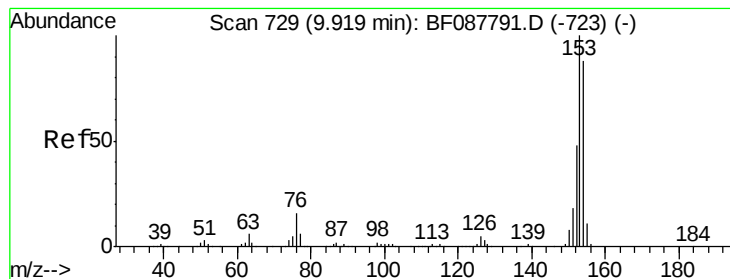
#50
 2,6-Dinitrotoluene
 Concen: 10.45 ng
 RT: 9.58 min Scan# 699
 Delta R.T. 0.18 min
 Lab File: BF088482.D
 Acq: 28 Jun 2016 7:31

Tgt Ion:165 Resp: 22338
 Ion Ratio Lower Upper
 165 100
 63 2.2 28.1 42.1#
 89 2.4 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: 59.35 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.01 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

Instrument :

BNA_F

ClientSampleId :

Q8-B4(0-2)CDL

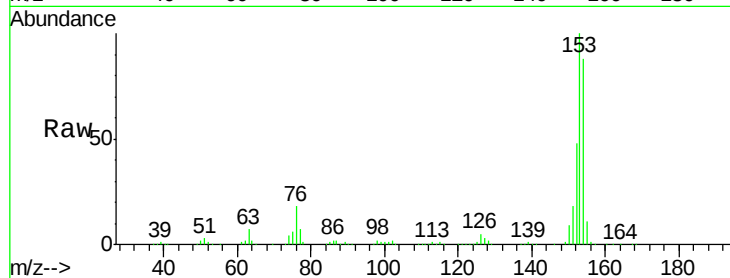
Tgt Ion:154 Resp: 490907

Ion Ratio Lower Upper

154 100

153 114.0 89.5 134.3

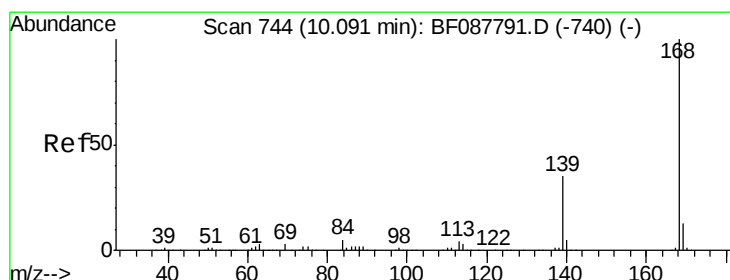
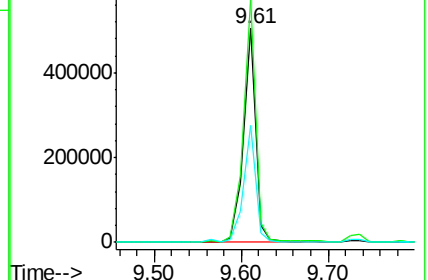
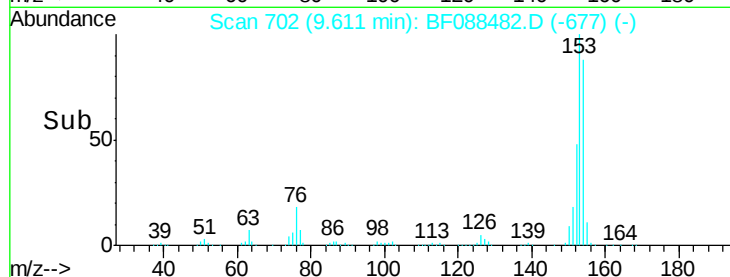
152 54.9 42.7 64.1



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: 36.39 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

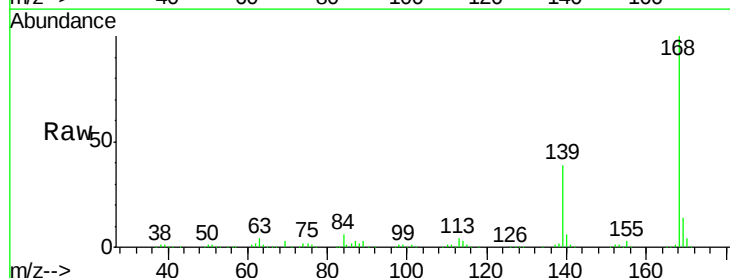
Tgt Ion:168 Resp: 414497

Ion Ratio Lower Upper

168 100

139 38.6 26.4 39.6

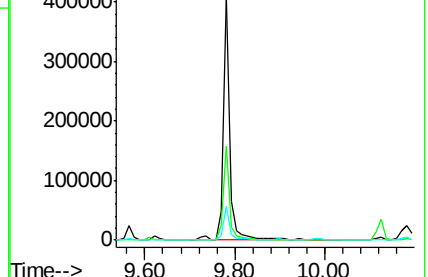
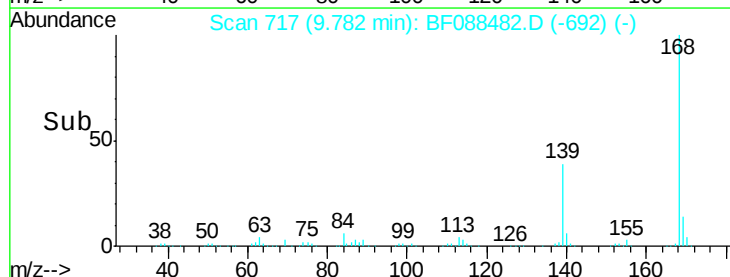
169 13.8 10.4 15.6

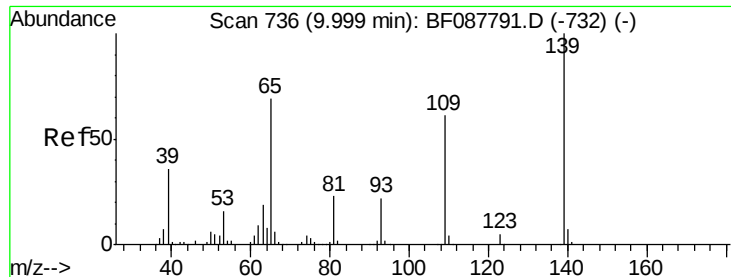


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 79.26 ng

RT: 9.78 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

Instrument :

BNA_F

ClientSampleId :

Q8-B4(0-2)CDL

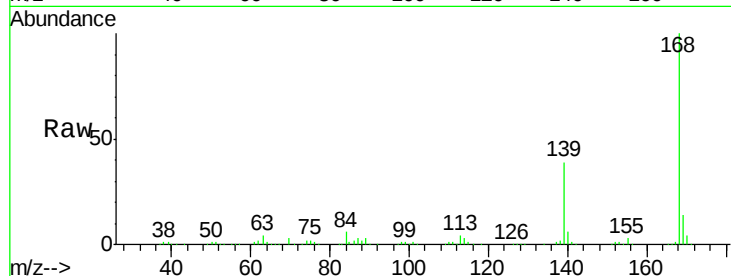
Tgt Ion:139 Resp: 151702

Ion Ratio Lower Upper

139 100

109 0.9 48.9 88.9#

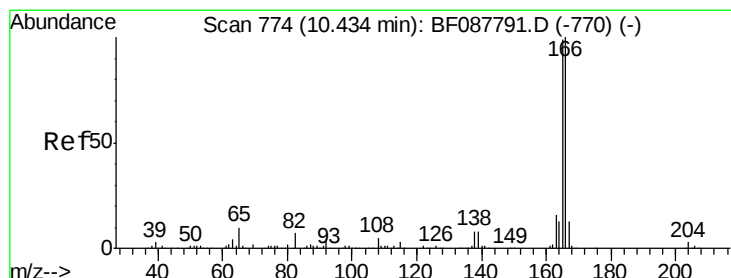
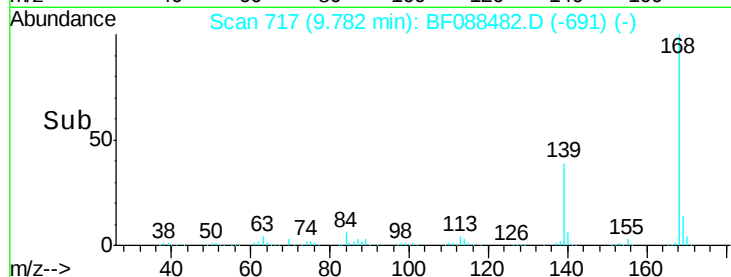
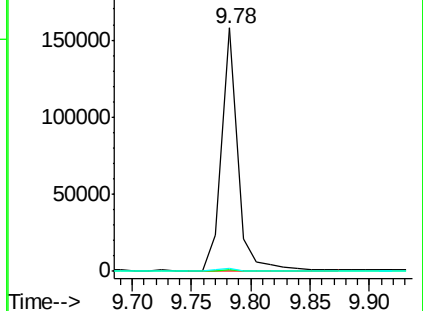
65 1.2 84.9 124.9#



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: 54.32 ng

RT: 10.12 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

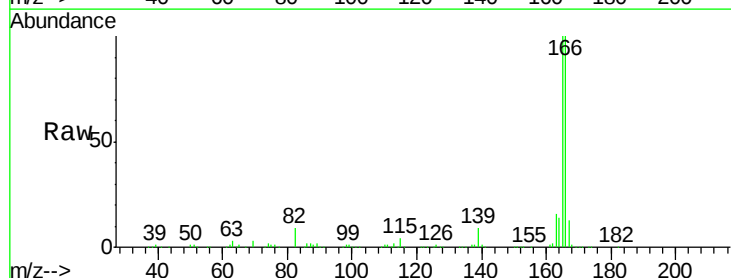
Tgt Ion:166 Resp: 410464

Ion Ratio Lower Upper

166 100

165 100.0 77.8 116.8

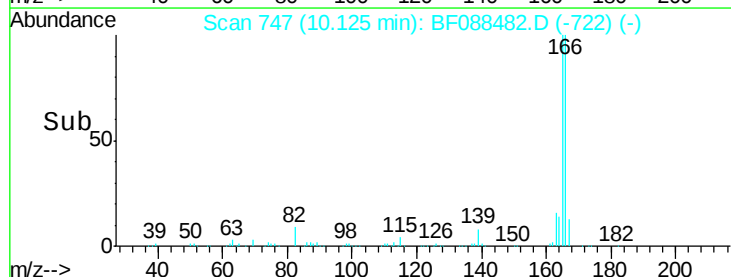
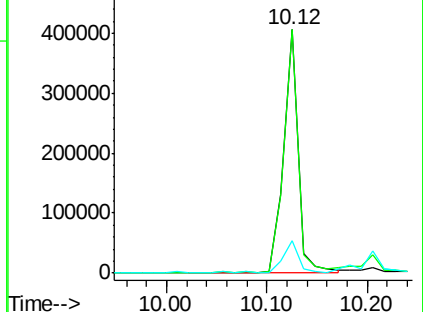
167 13.4 11.2 16.8

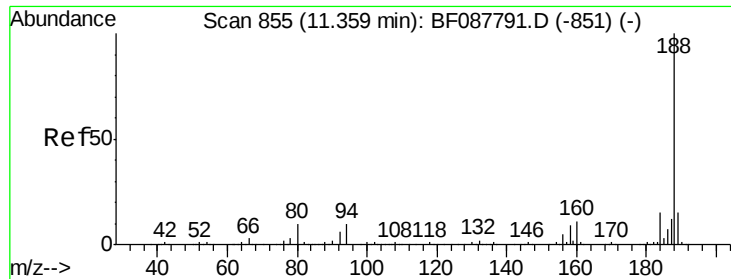


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

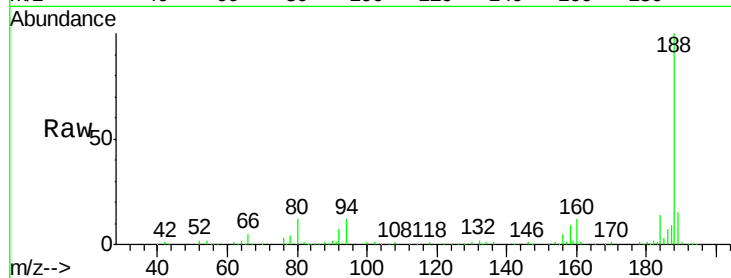




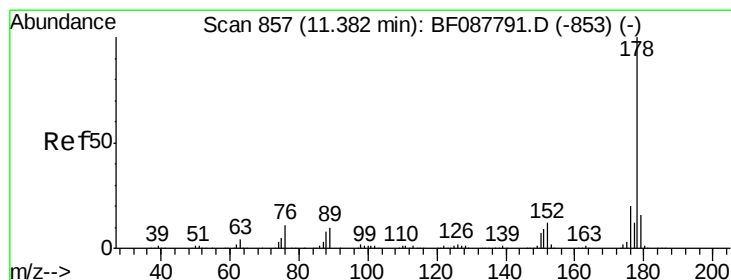
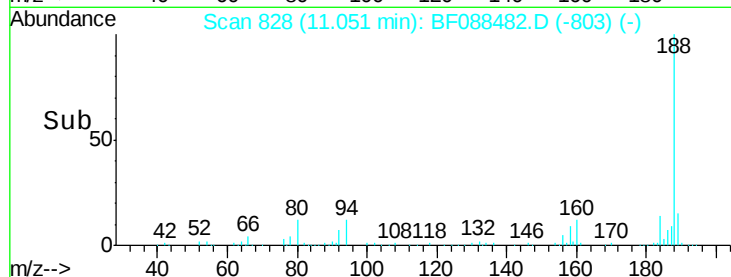
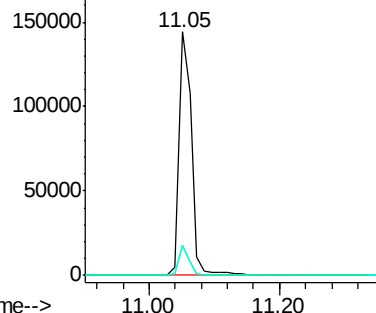
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF088482.D
Acq: 28 Jun 2016 7:31

Instrument :
BNA_F
ClientSampleId :
Q8-B4(0-2)CDL

Tgt Ion:188 Resp: 192510
Ion Ratio Lower Upper
188 100
94 12.0 9.0 13.6
80 12.5 10.0 15.0

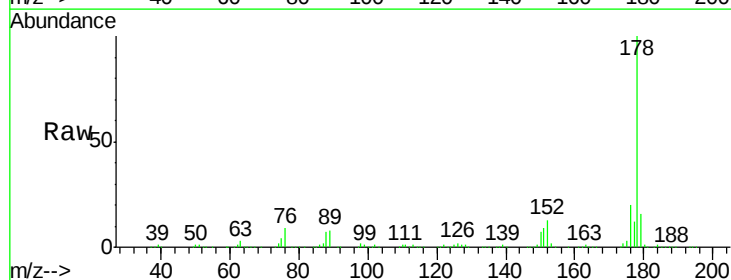


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

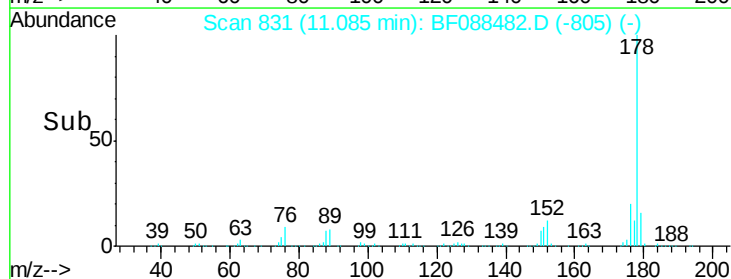
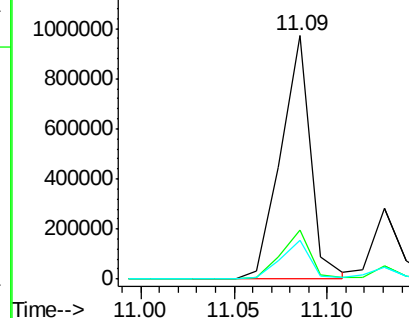


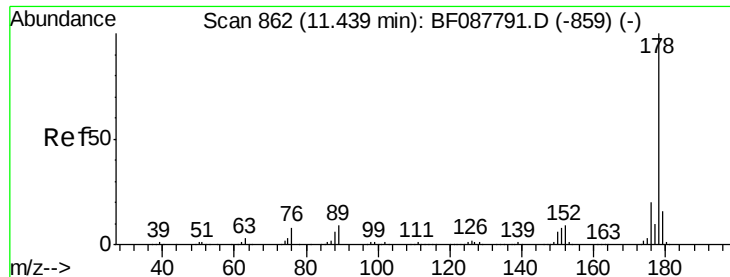
#70
Phenanthrene
Concen: 106.68 ng
RT: 11.09 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF088482.D
Acq: 28 Jun 2016 7:31

Tgt Ion:178 Resp: 1077673
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.6
179 15.9 13.0 19.4



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

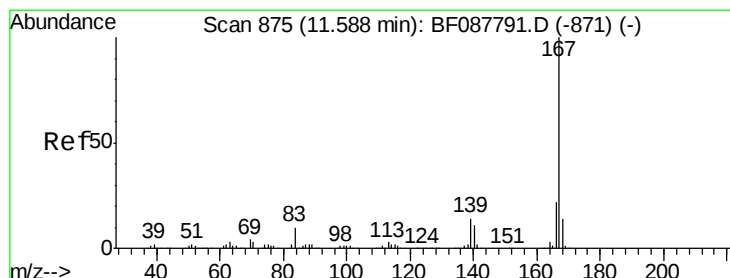
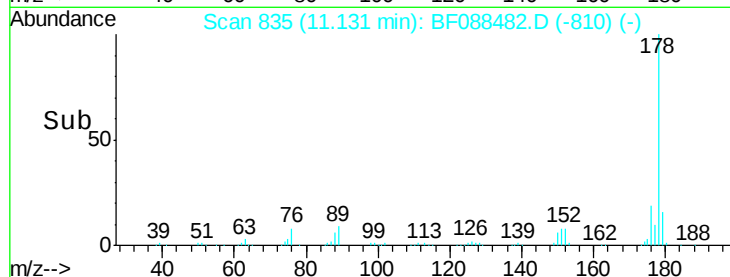
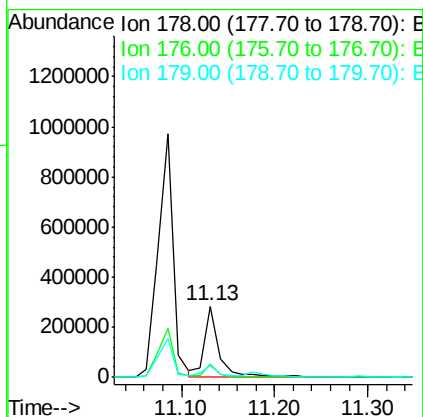
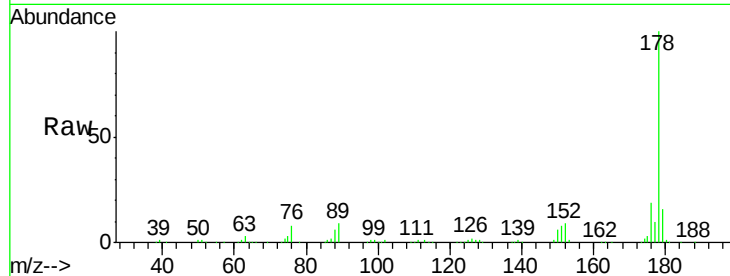




#71
 Anthracene
 Concen: 30.73 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BF088482.D
 Acq: 28 Jun 2016 7:31

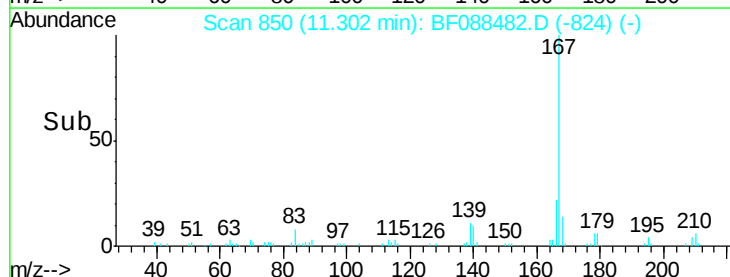
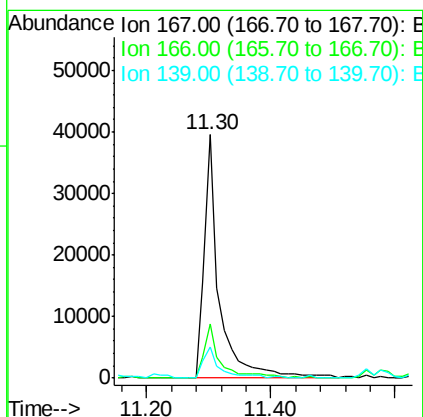
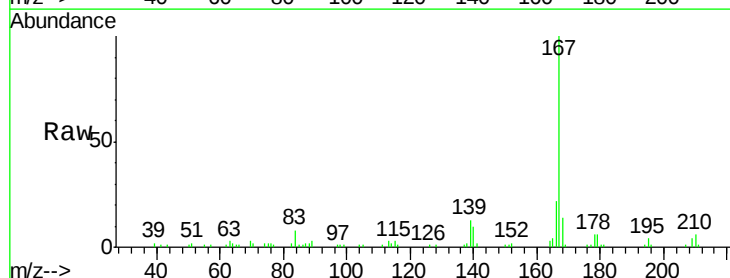
Instrument :
 BNA_F
 ClientSampleId :
 Q8-B4(0-2)CDL

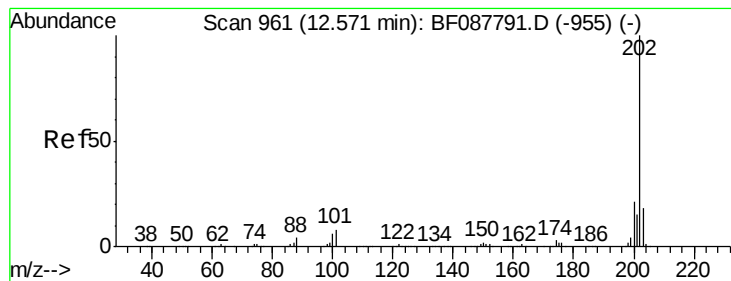
Tgt Ion:178 Resp: 313179
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.6 23.4
 179 16.1 12.8 19.2



#72
 Carbazole
 Concen: 6.96 ng
 RT: 11.30 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: BF088482.D
 Acq: 28 Jun 2016 7:31

Tgt Ion:167 Resp: 66414
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.8 26.6
 139 12.6 11.2 16.8





#74

Fluoranthene

Concen: 63.17 ng

RT: 12.26 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

Instrument :

BNA_F

ClientSampleId :

Q8-B4(0-2)CDL

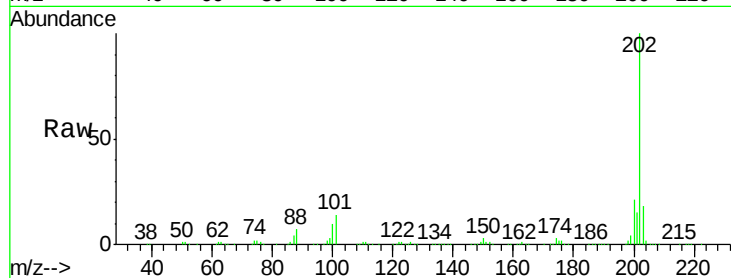
Tgt Ion: 202 Resp: 673410

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.1

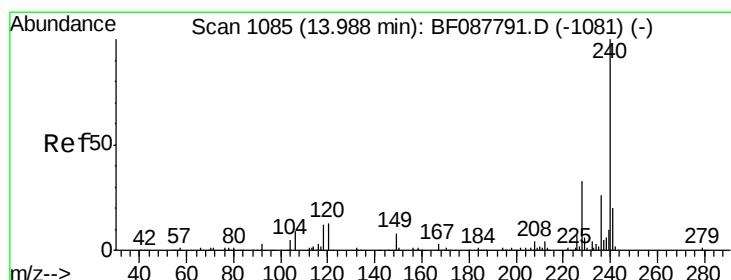
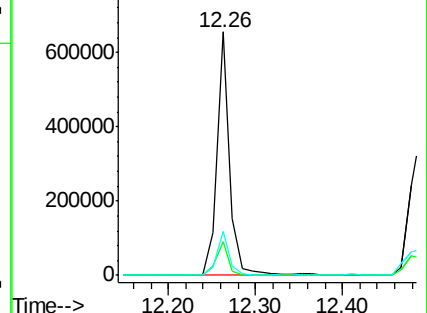
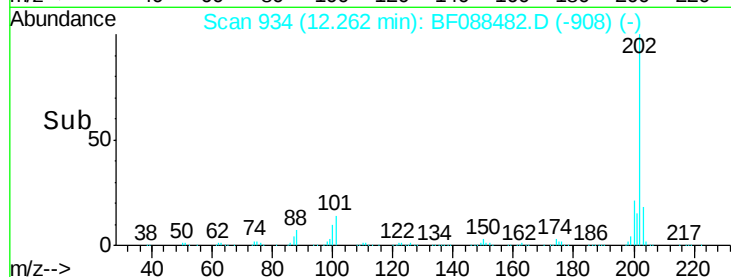
203 17.8 0.0 38.1



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: 13.68 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

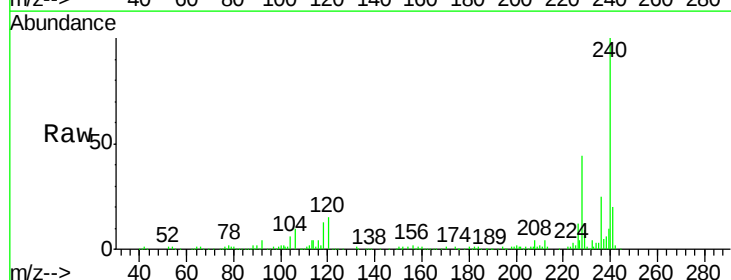
Tgt Ion: 240 Resp: 168638

Ion Ratio Lower Upper

240 100

120 15.4 6.8 10.2#

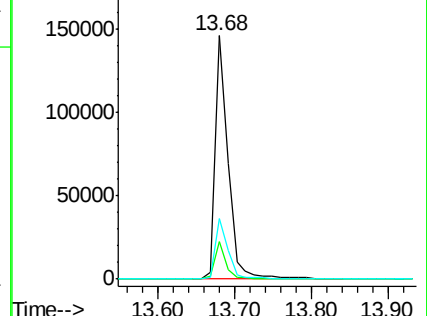
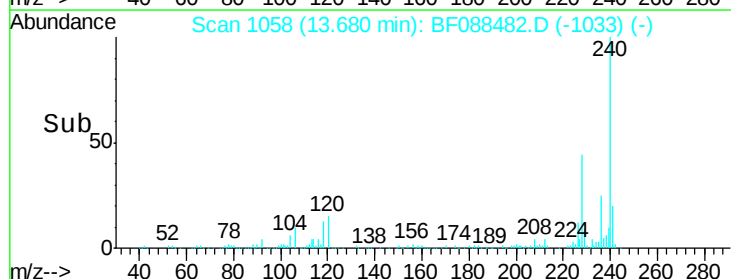
236 25.0 20.2 30.2

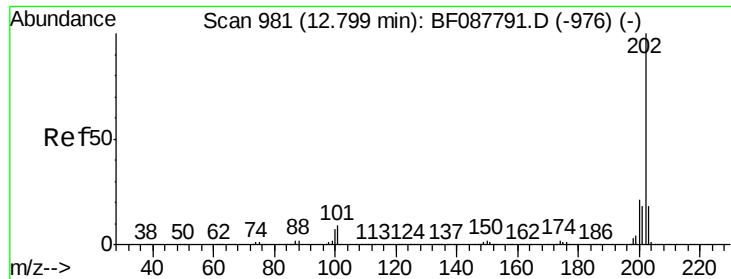


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 39.62 ng

RT: 12.49 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

Instrument :

BNA_F

ClientSampleId :

Q8-B4(0-2)CDL

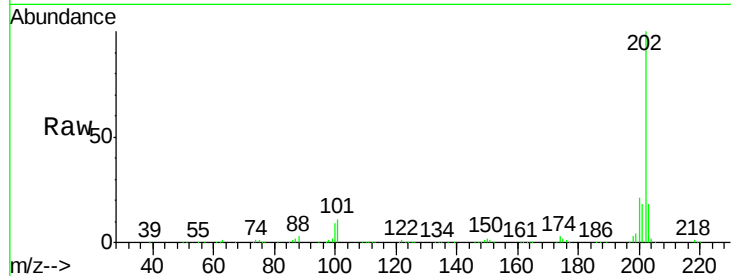
Tgt Ion:202 Resp: 495799

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

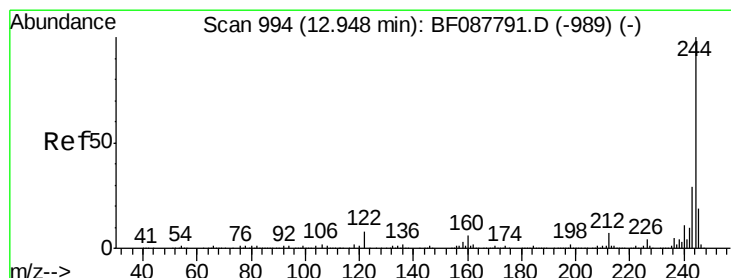
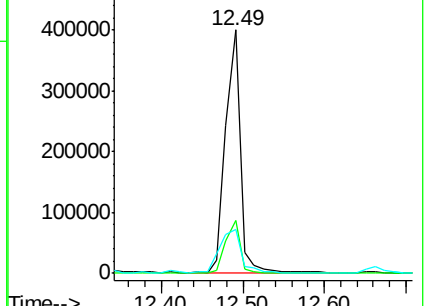
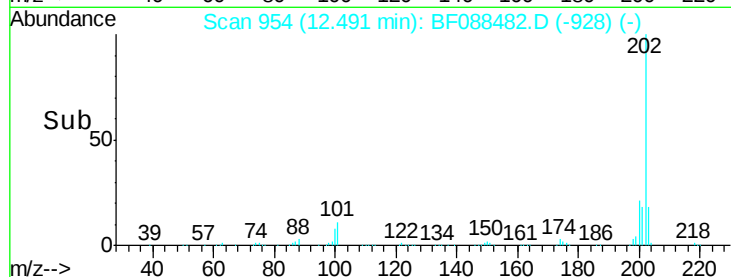
203 18.0 14.5 21.7



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: 6.14 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

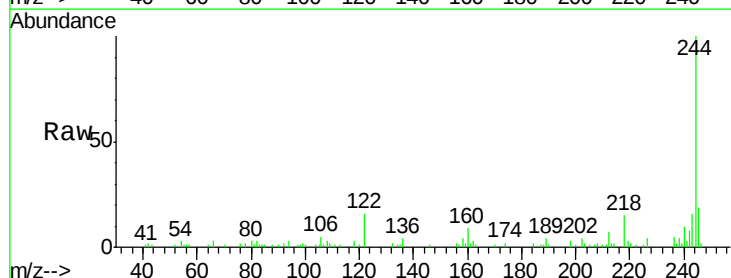
Tgt Ion:244 Resp: 45523

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

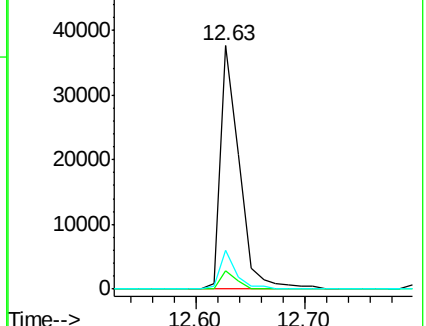
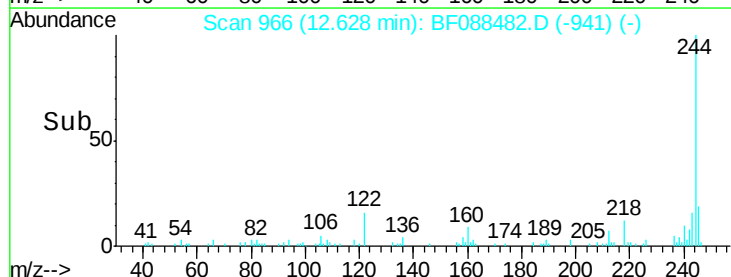
122 15.9 11.2 16.8

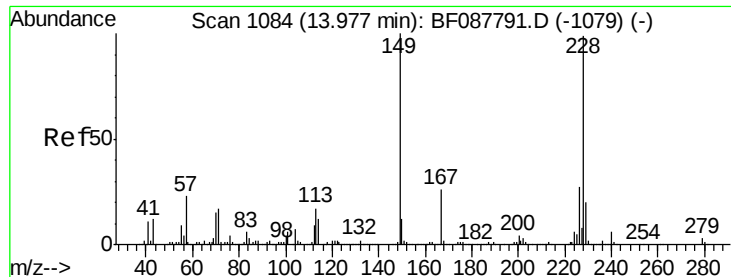


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 20.23 ng

RT: 13.67 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

Instrument :

BNA_F

ClientSampleId :

Q8-B4(0-2)CDL

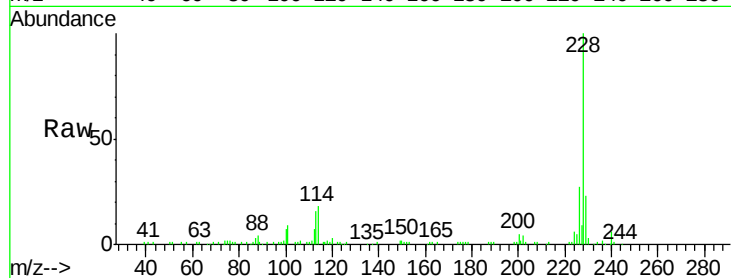
Tgt Ion:228 Resp: 194416

Ion Ratio Lower Upper

228 100

226 26.9 22.3 33.5

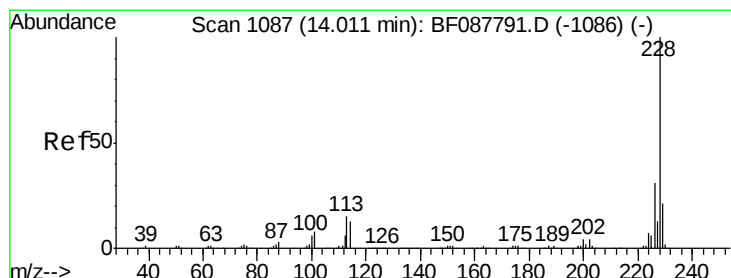
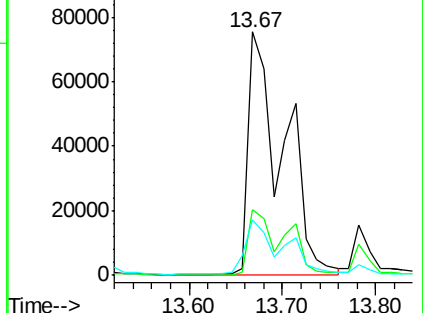
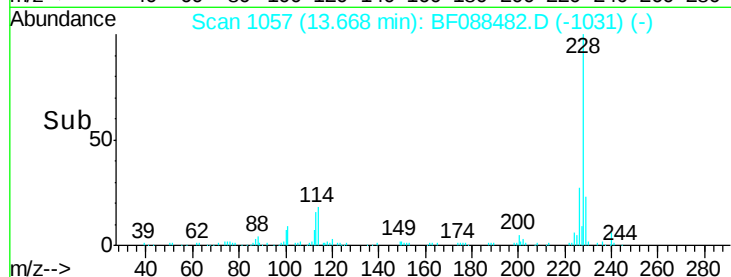
229 23.0 16.0 24.0



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: 21.50 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.05 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

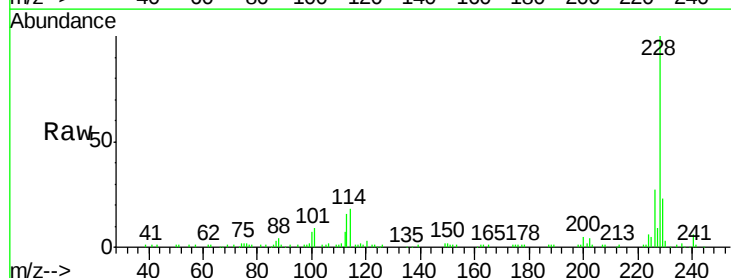
Tgt Ion:228 Resp: 194416

Ion Ratio Lower Upper

228 100

226 26.9 25.4 38.2

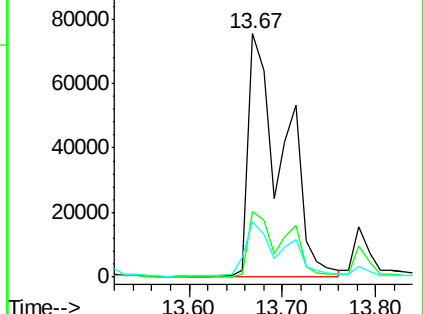
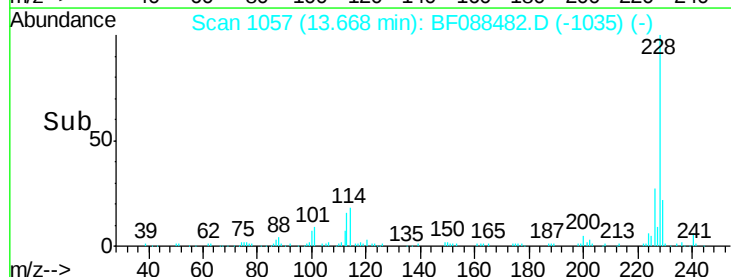
229 23.0 16.3 24.5

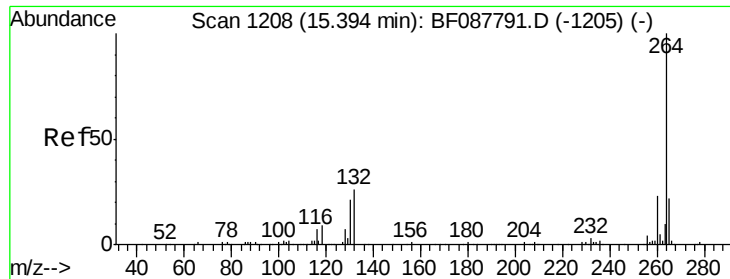


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.04 min Scan# 1177

Delta R.T. 0.01 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

Instrument :

BNA_F

ClientSampleId :

Q8-B4(0-2)CDL

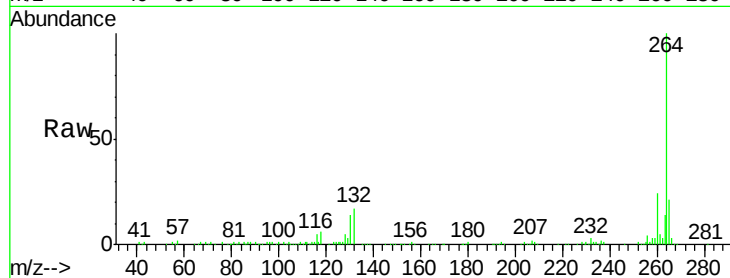
Tgt Ion:264 Resp: 161772

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

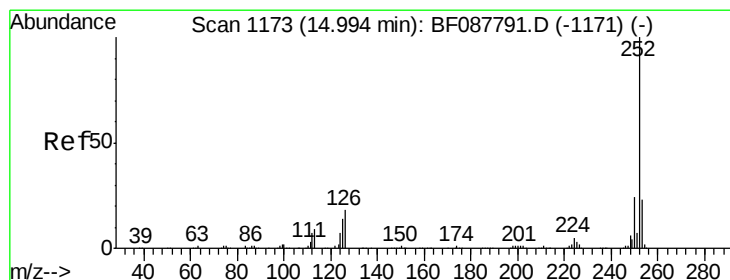
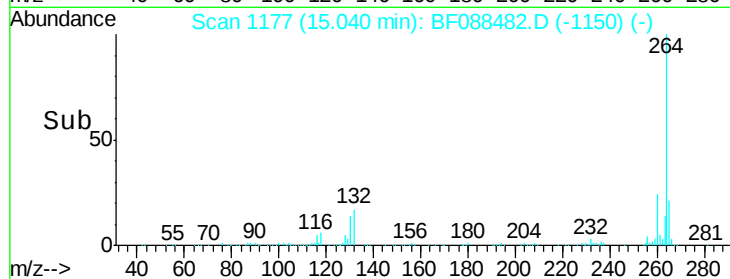
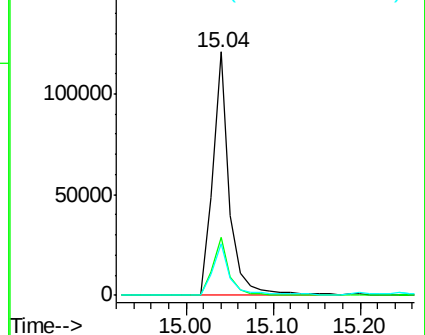
265 21.4 16.9 25.3



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: 6.54 ng

RT: 14.69 min Scan# 1146

Delta R.T. 0.01 min

Lab File: BF088482.D

Acq: 28 Jun 2016 7:31

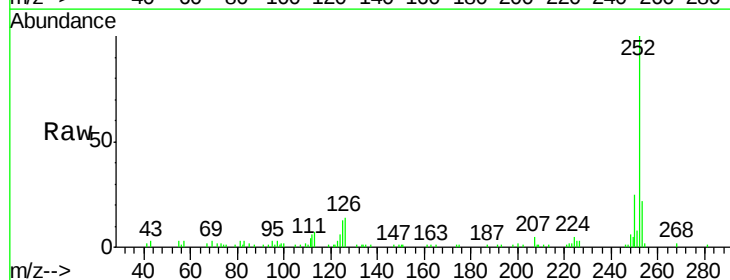
Tgt Ion:252 Resp: 73738

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

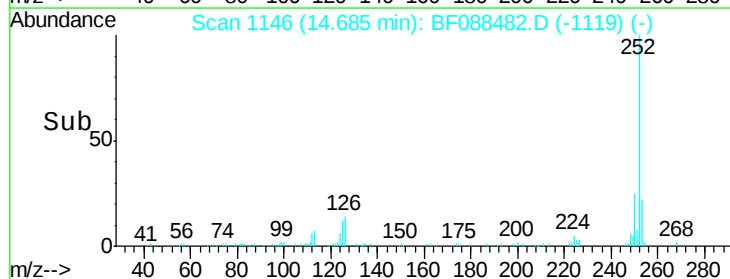
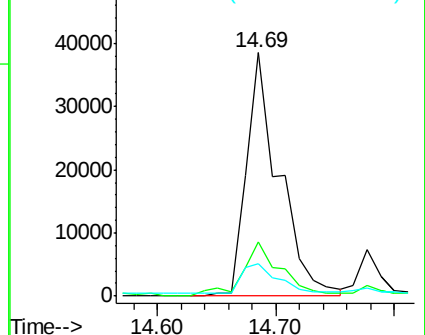
125 13.1 7.1 10.7#

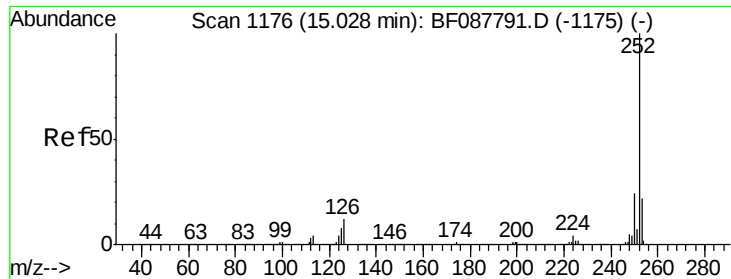


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

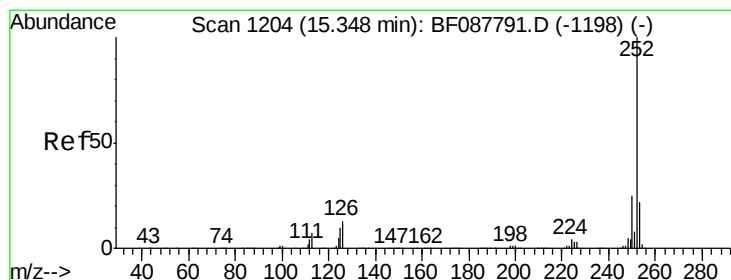
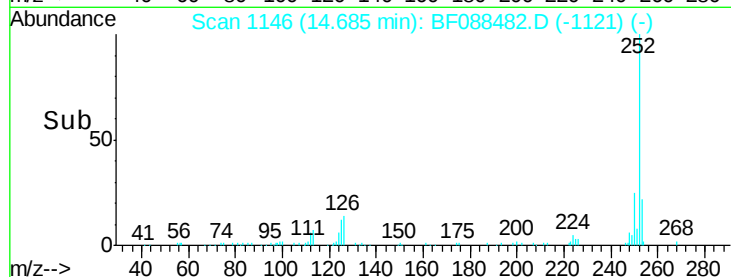
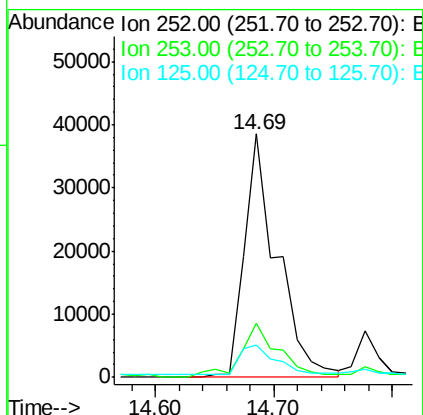
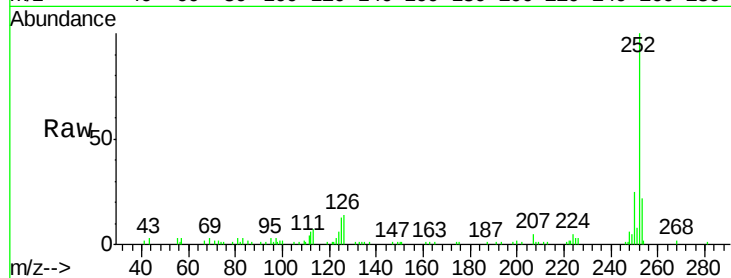




#88
Benzo(k)fluoranthene
Concen: 8.67 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF088482.D
Acq: 28 Jun 2016 7:31

Instrument :
BNA_F
ClientSampleId :
Q8-B4(0-2)CDL

Tgt Ion: 252 Resp: 73738
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 13.1 11.2 16.8



#89
Benzo(a)pyrene
Concen: 3.13 ng
RT: 14.99 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF088482.D
Acq: 28 Jun 2016 7:31

Tgt Ion: 252 Resp: 28597
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 13.8 12.5 18.7

