

Data File : BF093270.D
Acq On : 1 Mar 2017 3:38
Operator : SJ/MA
Sample : I1973-10DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

Quant Time: Mar 01 05:52:00 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	128326	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	450213	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	198796	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	326029	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	276155	20.00	ng	-0.05
86) Perylene-d12	15.40	264	192232	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	184432	24.66	ng	-0.03
7) Phenol-d6	6.45	99	251527	26.14	ng	-0.03
23) Nitrobenzene-d5	7.38	82	138410	17.12	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	32096	22.32	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	218113	19.88	ng	-0.05
78) Terphenyl-d14	12.91	244	149827	12.75	ng	-0.06

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	16116	2.63	ng	# 81
32) Benzoic acid	7.92	122	533	7.28	ng	# 29
49) Dimethylphthalate	9.56	163	30331	2.27	ng	99
50) 2,6-Dinitrotoluene	9.85	165	27507	9.51	ng	# 31
51) Acenaphthene	9.88	154	53581	4.61	ng	94
54) Dibenzofuran	10.05	168	31269	2.01	ng	94
55) 4-Nitrophenol	10.05	139	12326	5.17	ng	# 5
57) Fluorene	10.40	166	49750	4.16	ng	97
70) Phenanthrene	11.36	178	784895	42.02	ng	99
71) Anthracene	11.41	178	218620	11.65	ng	97
72) Carbazole	11.57	167	70331	3.92	ng	96
74) Fluoranthene	12.55	202	1155592	59.98	ng	96
77) Pyrene	12.79	202	1209031	58.50	ng	99
80) Benzo(a)anthracene	13.96	228	550441	32.59	ng	98
82) Chrysene	14.00	228	393465	24.88	ng	98
85) Indeno(1,2,3-cd)pyrene	16.80	276	187721	15.33	ng	97
87) Benzo(b)fluoranthene	15.00	252	614677	48.58	ng	99
88) Benzo(k)fluoranthene	15.00	252	614677	56.27	ng	98
89) Benzo(a)pyrene	15.35	252	337133	30.80	ng	98
90) Dibenzo(a,h)anthracene	16.96	278	33984	3.84	ng	96
91) Benzo(g,h,i)perylene	17.21	276	181427	20.30	ng	# 87

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

Data File : BF093270.D

Acq On : 1 Mar 2017 3:38

Operator : SJ/MA

Sample : I1973-10DL 5X

Misc :

ALS Vial : 31 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASEDL

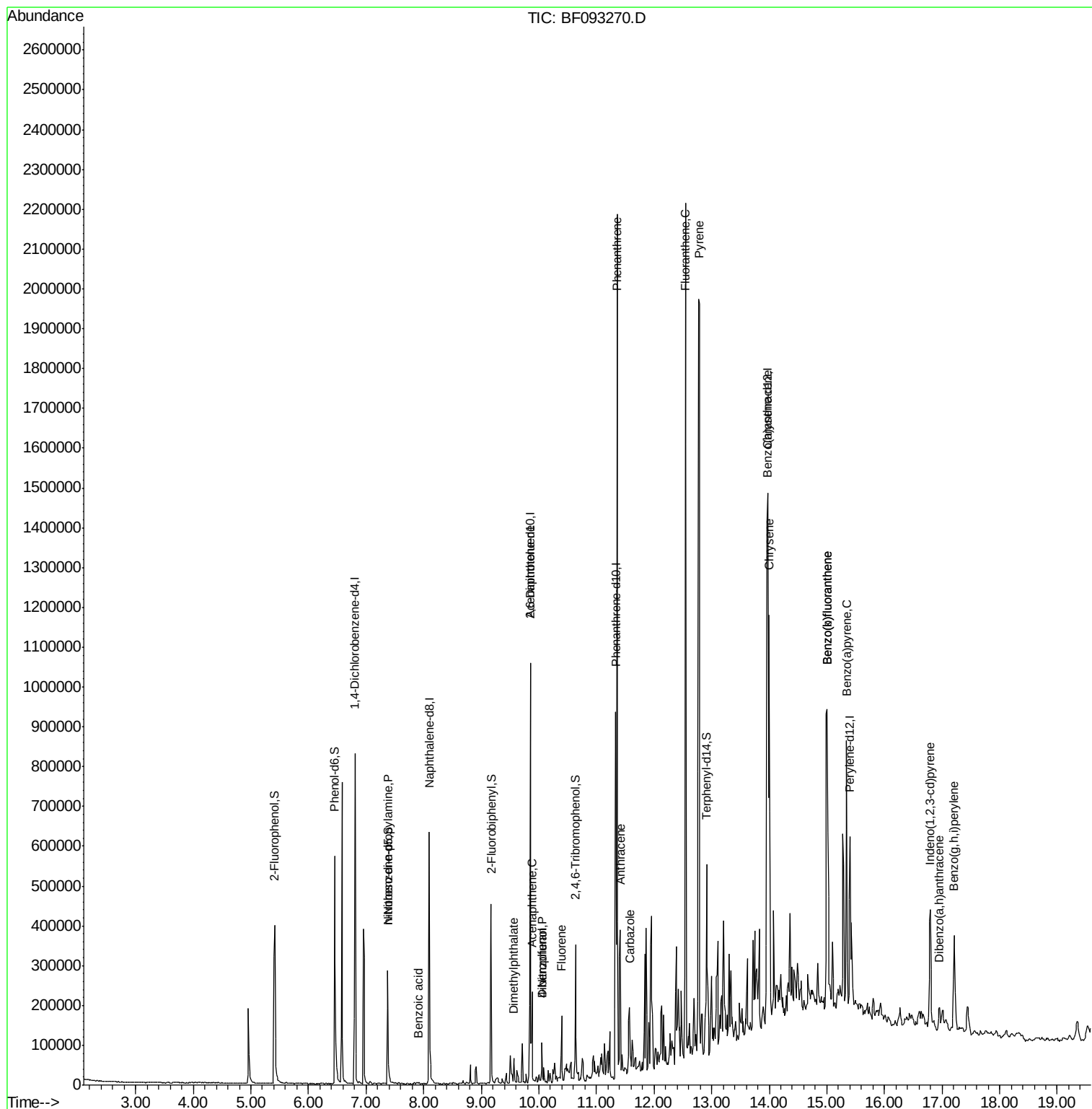
Quant Time: Mar 01 05:52:00 2017

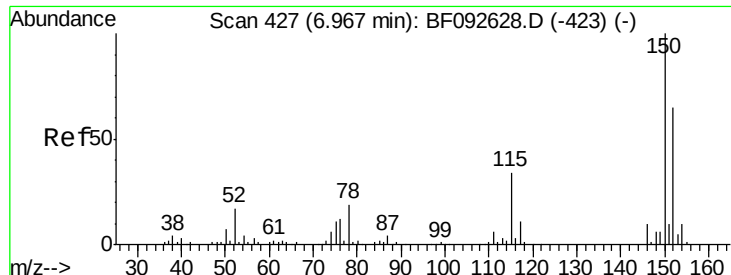
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

Response via : Initial Calibration

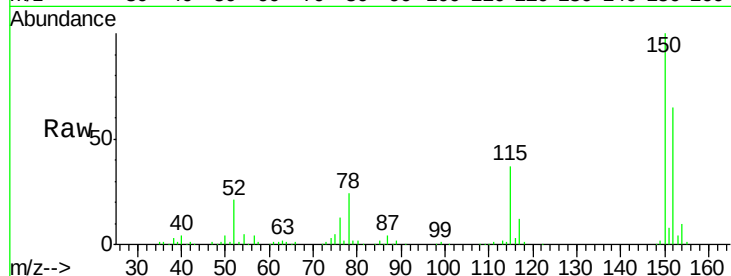




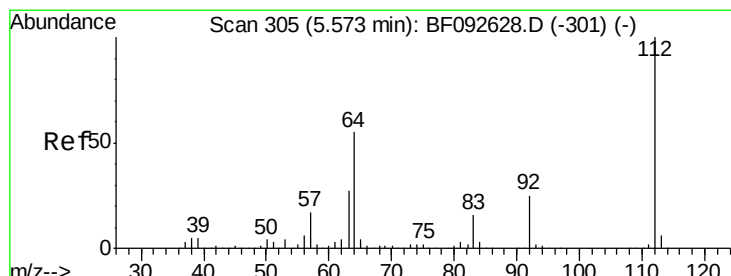
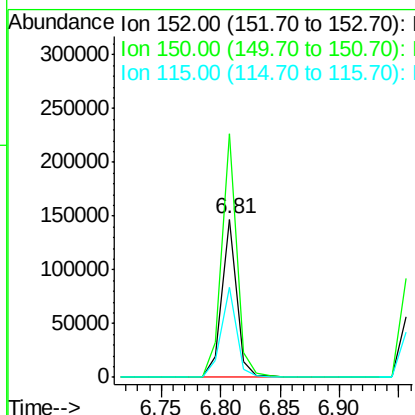
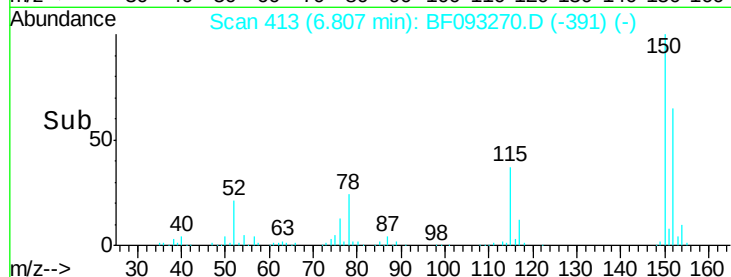
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.05 min
 Lab File: BF093270.D
 Acq: 1 Mar 2017 3:38

Instrument :
 BNA_F
 ClientSampleId :
 E2-GG9-BASEDL

Tgt Ion:152 Resp: 128326
 Ion Ratio Lower Upper
 152 100
 150 153.6 124.9 187.3
 115 57.1 46.0 69.0

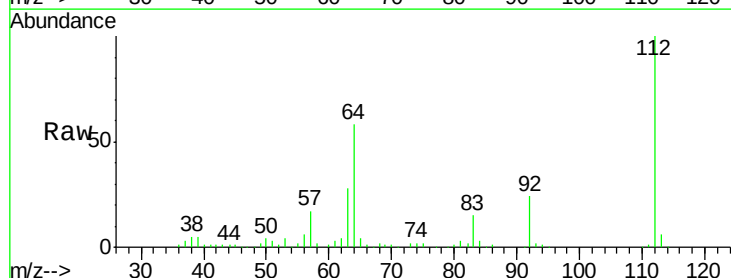


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

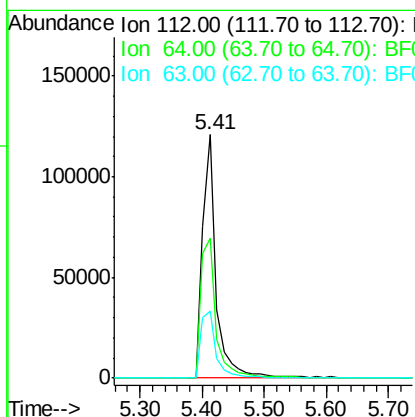
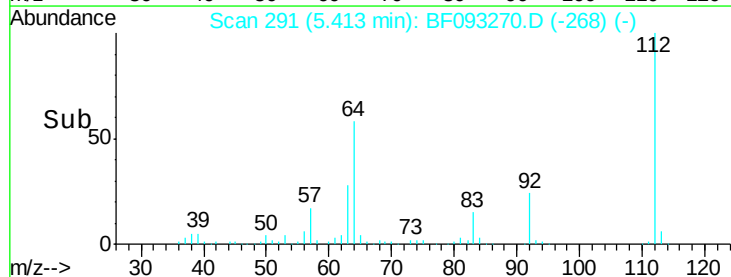


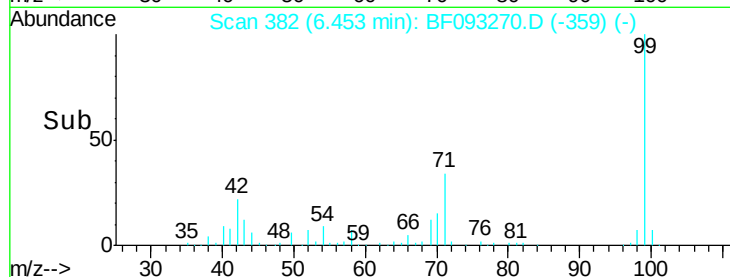
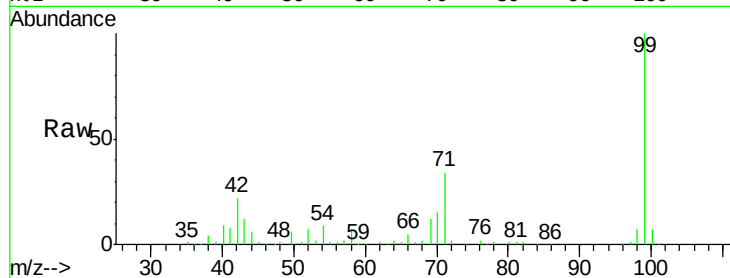
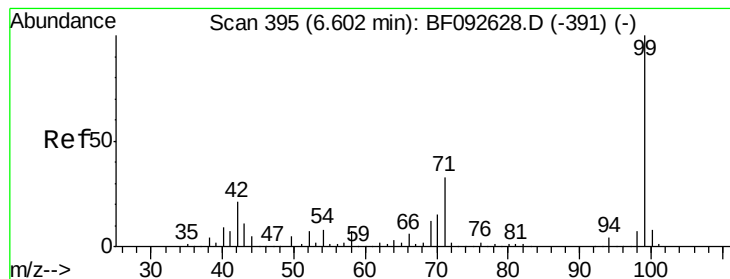
#5
 2-Fluorophenol
 Concen: 24.66 ng
 RT: 5.41 min Scan# 291
 Delta R.T. -0.03 min
 Lab File: BF093270.D
 Acq: 1 Mar 2017 3:38

Tgt Ion:112 Resp: 184432
 Ion Ratio Lower Upper
 112 100
 64 57.7 46.1 69.1
 63 27.7 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: 26.14 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093270.D

Acq: 1 Mar 2017 3:38

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASEDL

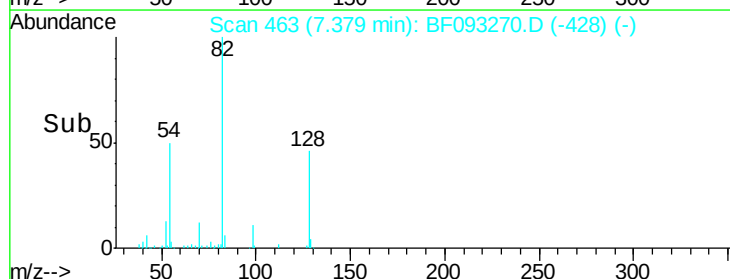
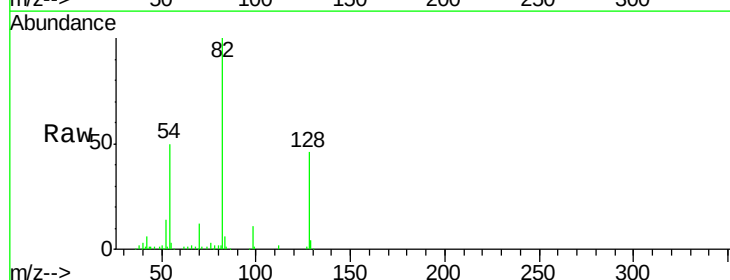
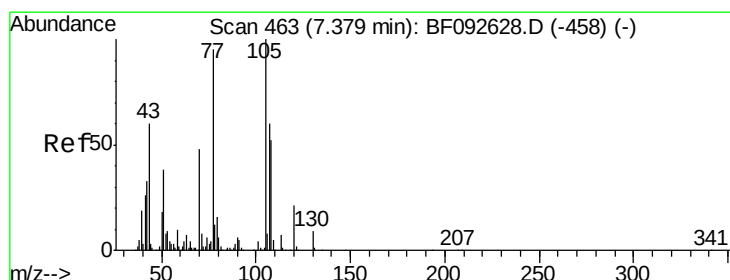
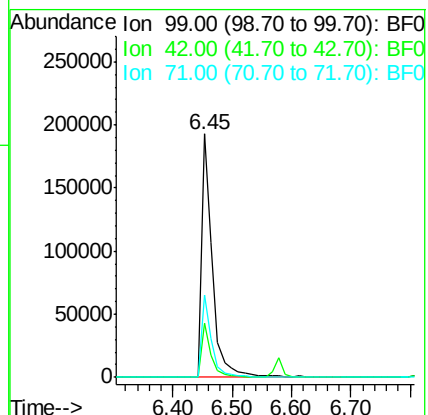
Tgt Ion: 99 Resp: 251527

Ion Ratio Lower Upper

99 100

42 22.3 15.6 23.4

71 33.7 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.63 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.10 min

Lab File: BF093270.D

Acq: 1 Mar 2017 3:38

Tgt Ion: 70 Resp: 16116

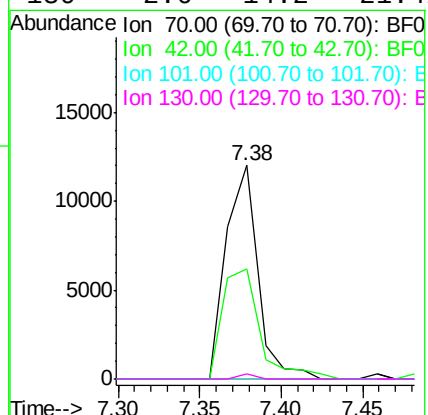
Ion Ratio Lower Upper

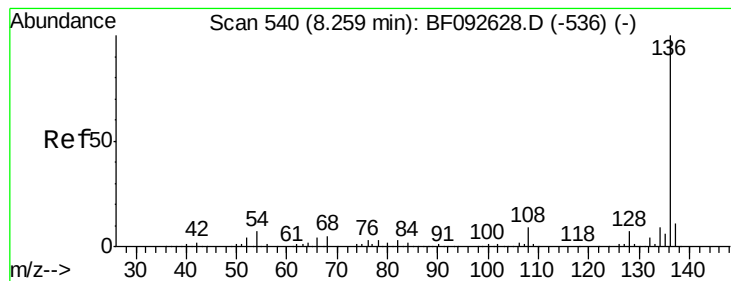
70 100

42 51.6 49.4 74.0

101 0.0 7.4 11.2#

130 2.6 14.2 21.4#

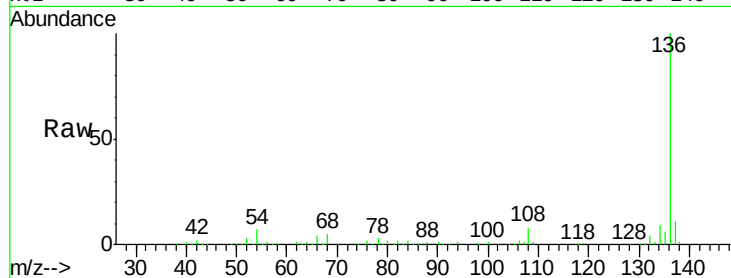




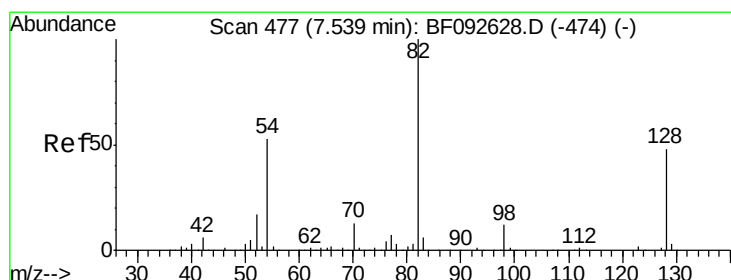
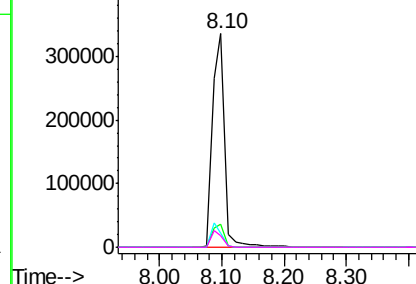
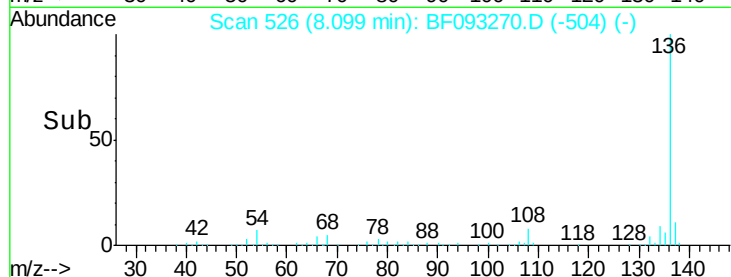
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

Tgt Ion:	136	Resp:	450213
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.4	12.6
54	6.7	4.5	6.7#
68	5.2	3.6	5.4

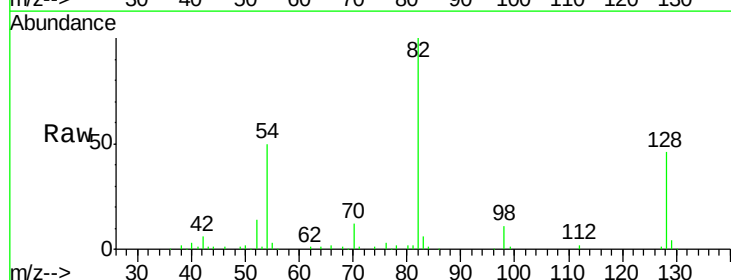


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

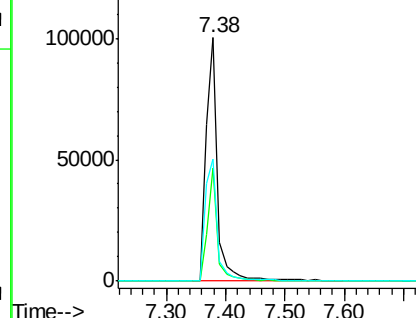
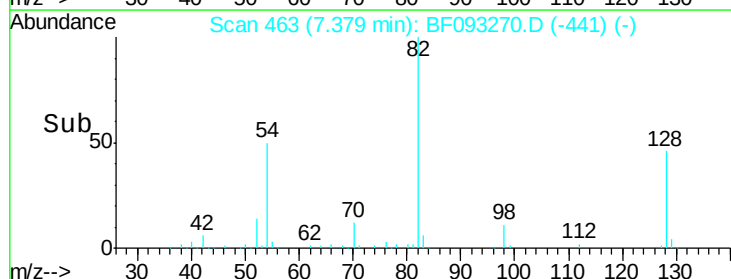


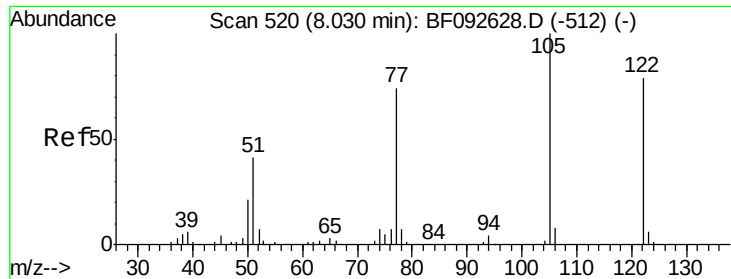
#23
Nitrobenzene-d5
Concen: 17.12 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:	82	Resp:	138410
Ion Ratio	Lower	Upper	
82	100		
128	46.3	34.6	52.0
54	50.1	39.5	59.3



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

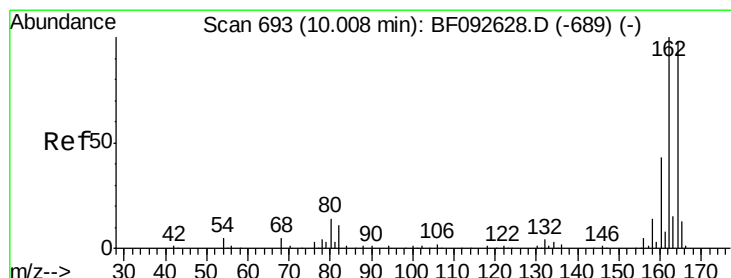
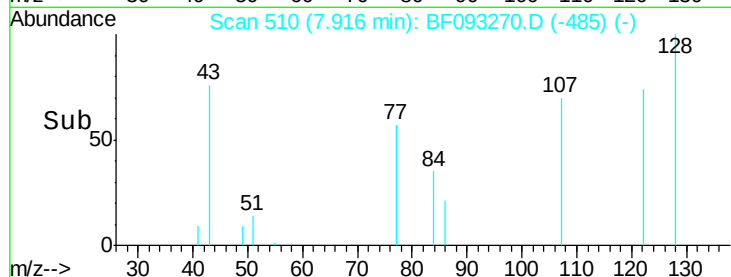
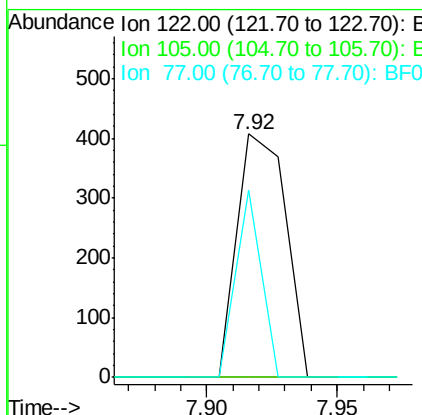
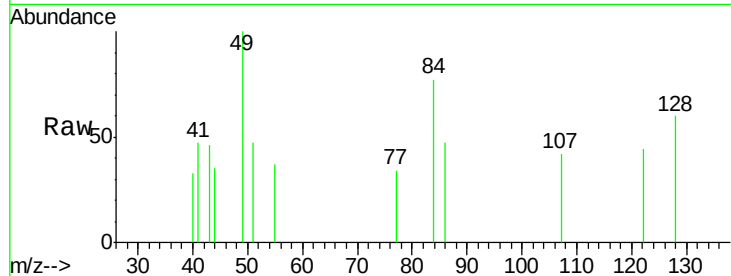




#32
Benzoic acid
Concen: 7.28 ng
RT: 7.92 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

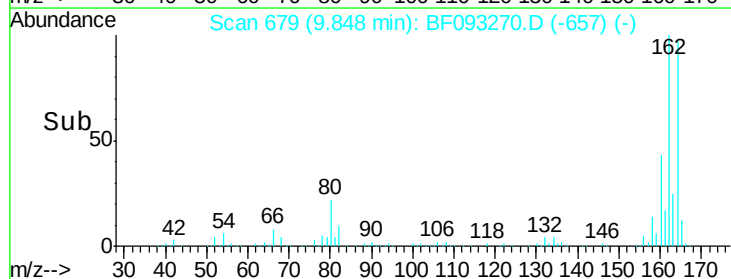
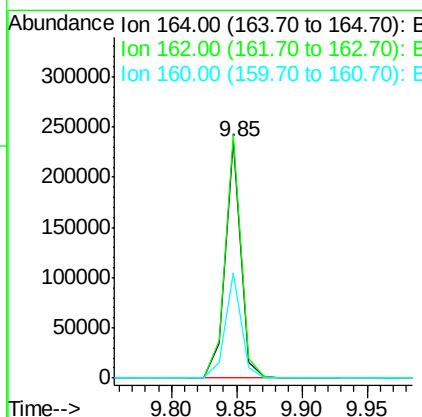
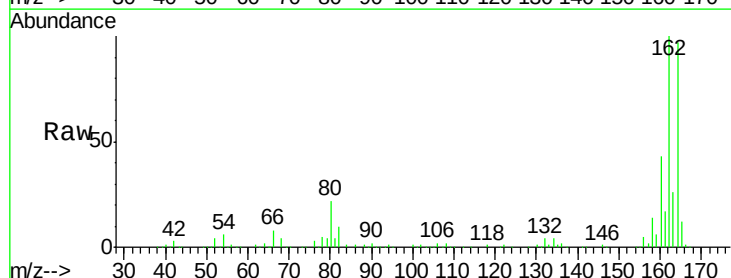
Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

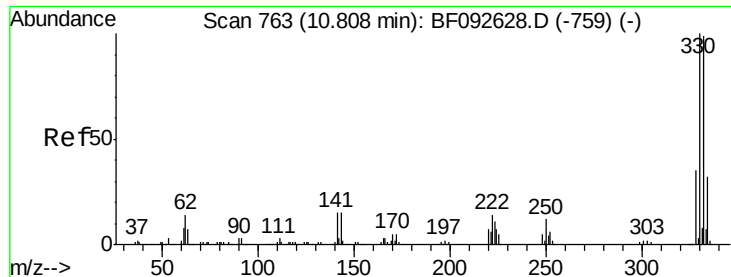
Tgt Ion:122 Resp: 533
Ion Ratio Lower Upper
122 100
105 0.0 107.2 147.2#
77 76.7 74.5 114.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:164 Resp: 198796
Ion Ratio Lower Upper
164 100
162 102.8 80.2 120.2
160 44.3 36.9 55.3

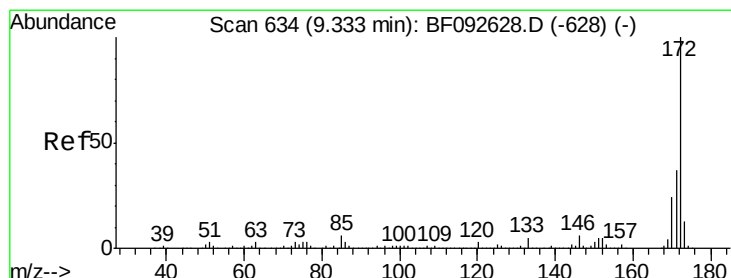
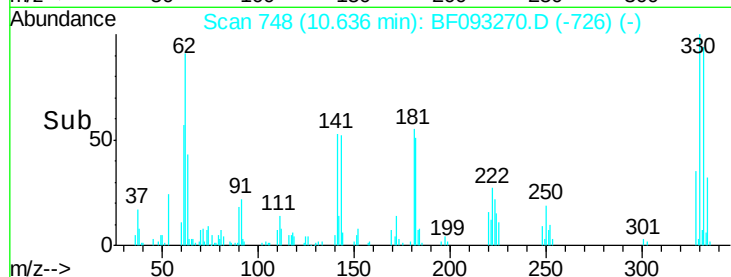
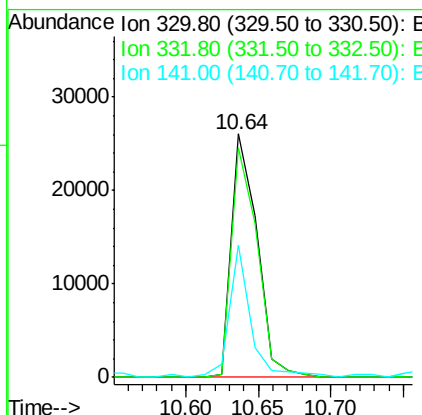
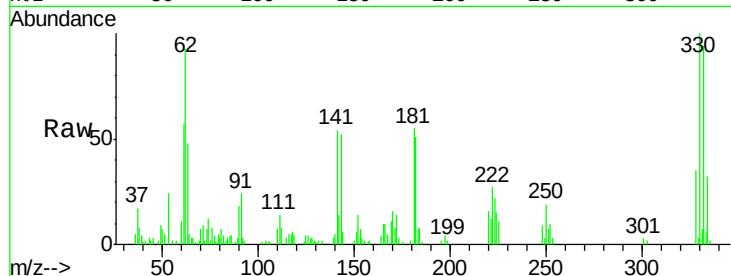




#41
 2,4,6-Tribromophenol
 Concen: 22.32 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093270.D
 Acq: 1 Mar 2017 3:38

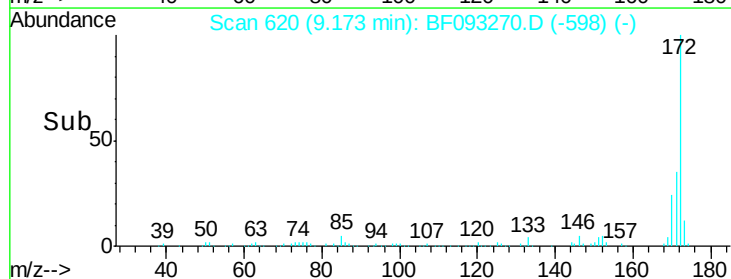
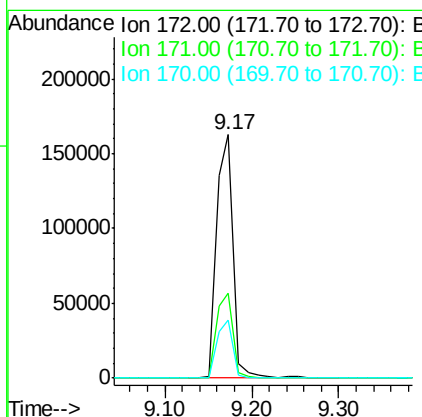
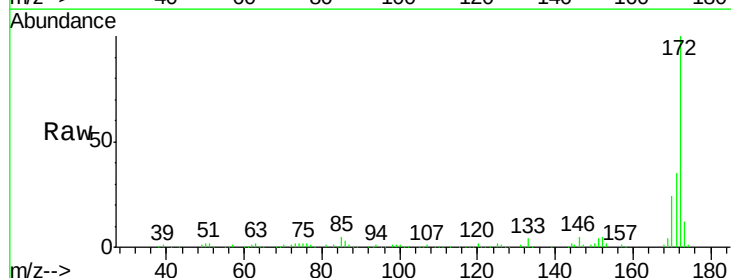
Instrument :
 BNA_F
 ClientSampleId :
 E2-GG9-BASEDL

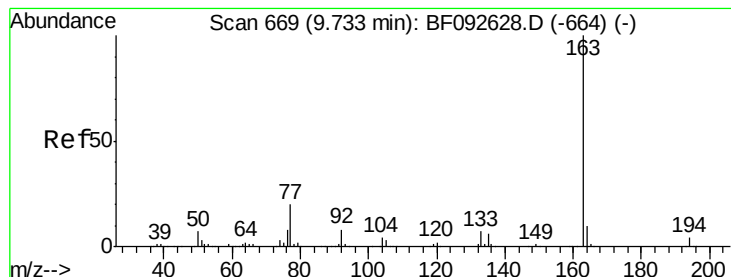
Tgt Ion:330 Resp: 32096
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.4 116.2
 141 45.9 34.1 51.1



#44
 2-Fluorobiphenyl
 Concen: 19.88 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093270.D
 Acq: 1 Mar 2017 3:38

Tgt Ion:172 Resp: 218113
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.4 44.0
 170 23.6 20.2 30.4





#49

Dimethylphthalate

Concen: 2.27 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.06 min

Lab File: BF093270.D

Acq: 1 Mar 2017 3:38

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASEDL

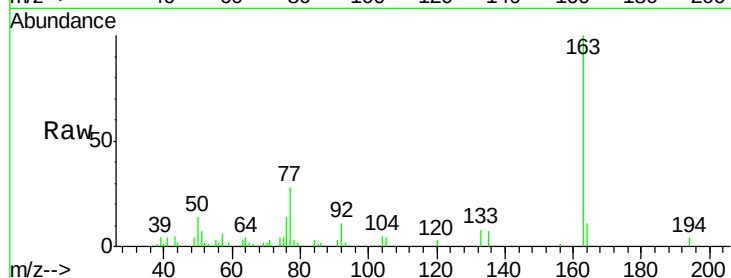
Tgt Ion:163 Resp: 30331

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

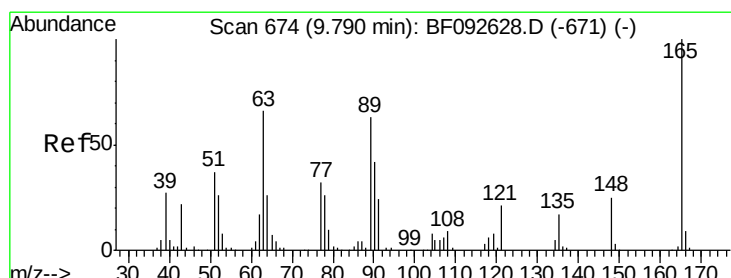
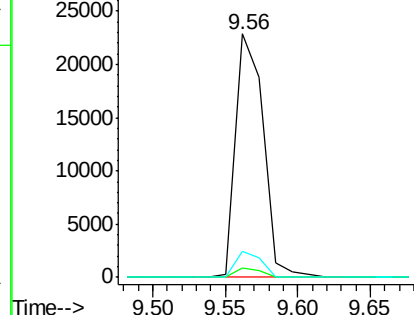
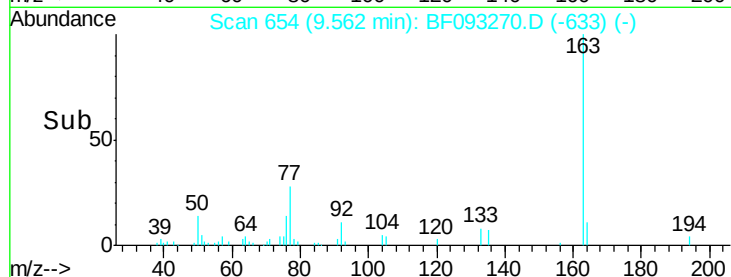
164 10.7 8.0 12.0



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



#50

2,6-Dinitrotoluene

Concen: 9.51 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.16 min

Lab File: BF093270.D

Acq: 1 Mar 2017 3:38

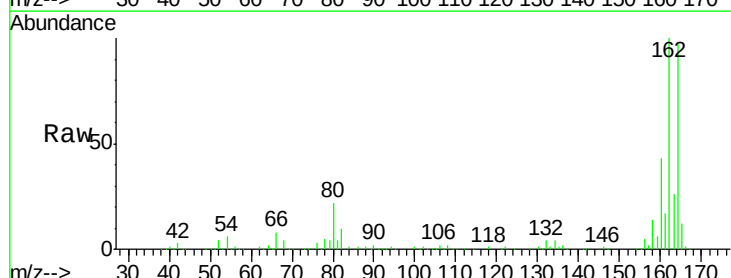
Tgt Ion:165 Resp: 27507

Ion Ratio Lower Upper

165 100

63 1.1 36.2 54.4#

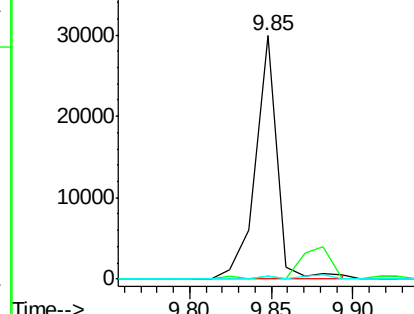
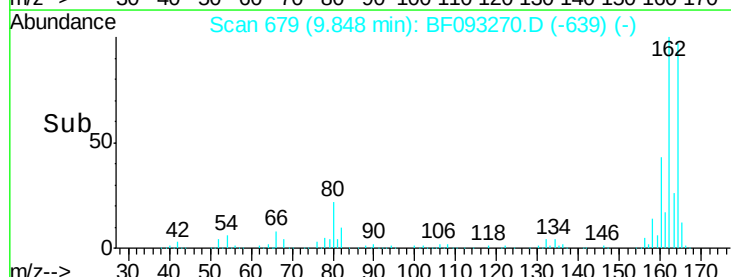
89 1.5 40.2 60.4#

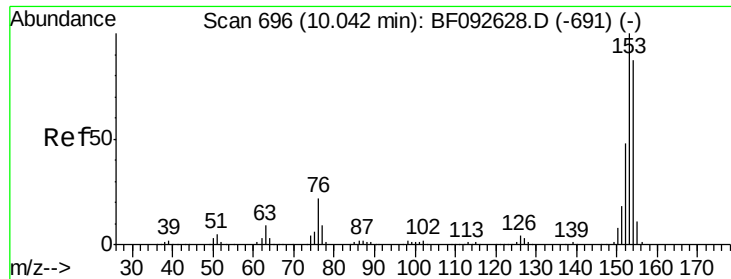


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 4.61 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF093270.D

Acq: 1 Mar 2017 3:38

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASEDL

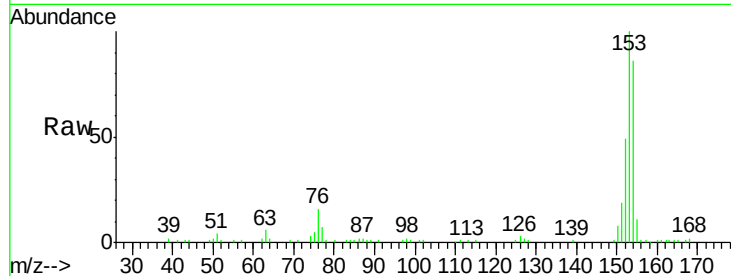
Tgt Ion:154 Resp: 53581

Ion Ratio Lower Upper

154 100

153 116.6 88.6 133.0

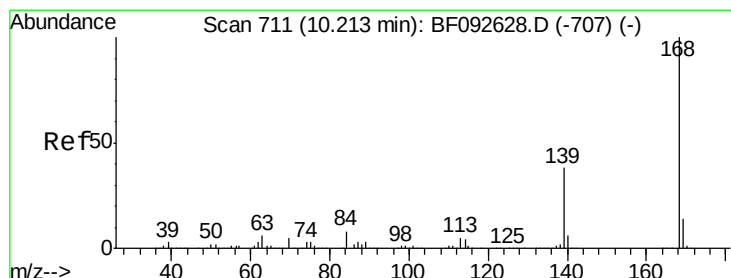
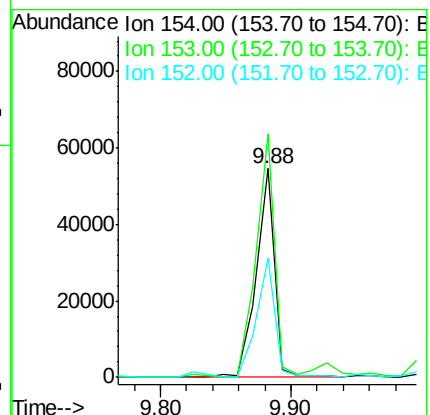
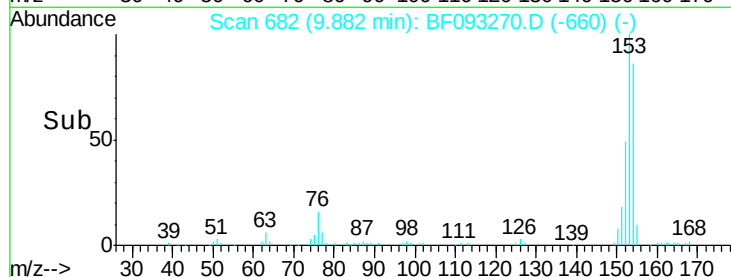
152 57.3 41.6 62.4



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: 2.01 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.05 min

Lab File: BF093270.D

Acq: 1 Mar 2017 3:38

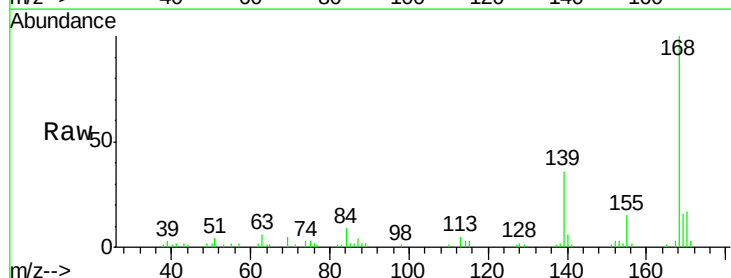
Tgt Ion:168 Resp: 31269

Ion Ratio Lower Upper

168 100

139 36.4 32.6 49.0

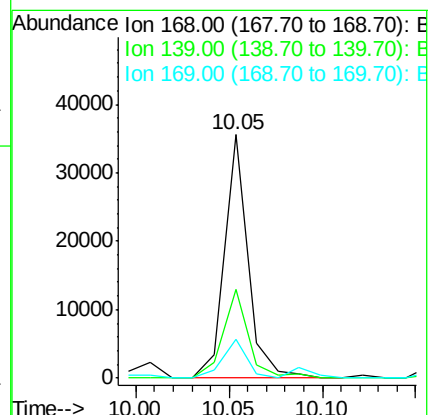
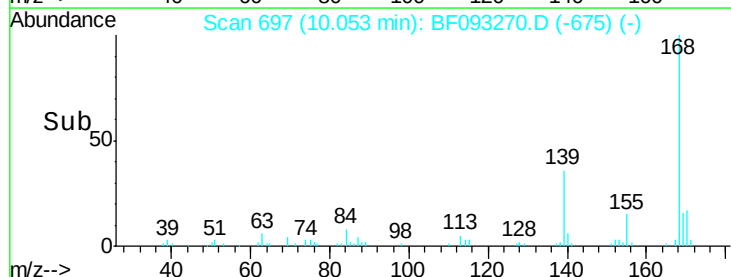
169 16.0 11.3 16.9

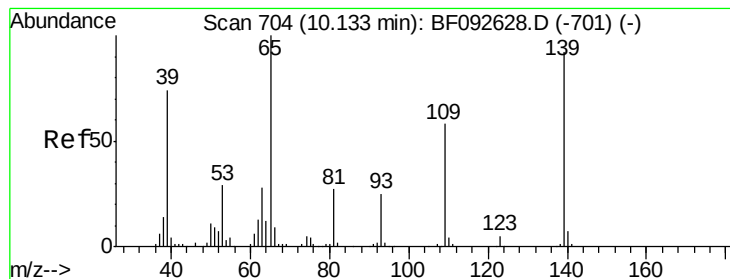


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 5.17 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.03 min

Lab File: BF093270.D

Acq: 1 Mar 2017 3:38

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASEDL

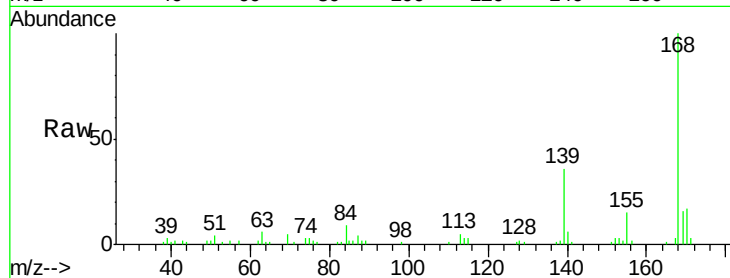
Tgt Ion:139 Resp: 12326

Ion Ratio Lower Upper

139 100

109 0.0 52.2 92.2#

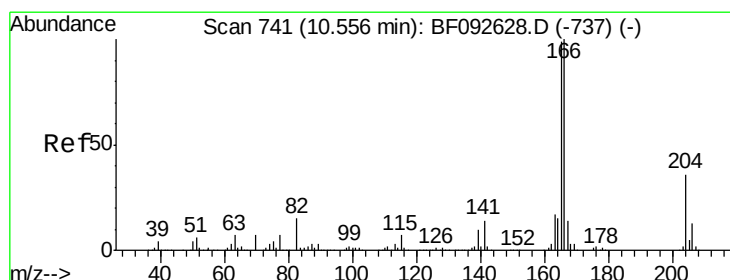
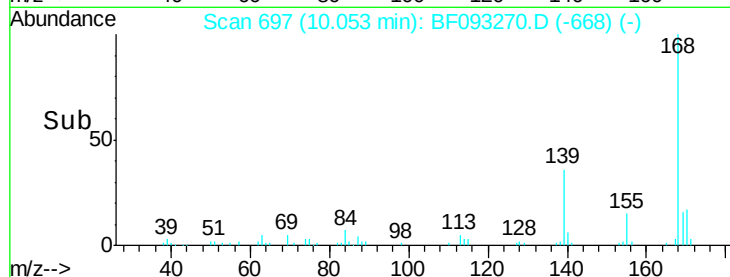
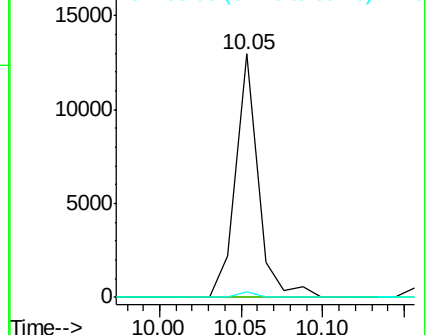
65 2.4 85.8 125.8#



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: 4.16 ng

RT: 10.40 min Scan# 727

Delta R.T. -0.05 min

Lab File: BF093270.D

Acq: 1 Mar 2017 3:38

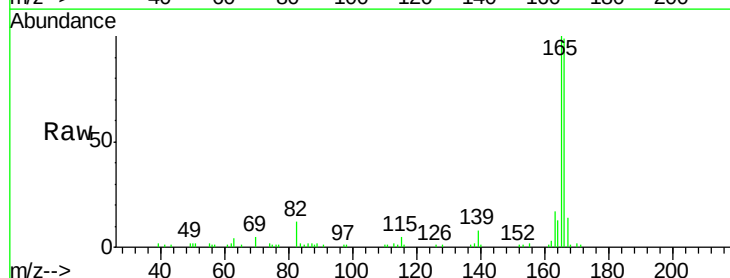
Tgt Ion:166 Resp: 49750

Ion Ratio Lower Upper

166 100

165 100.7 77.8 116.8

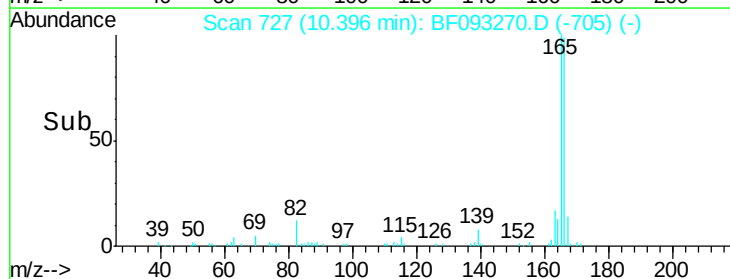
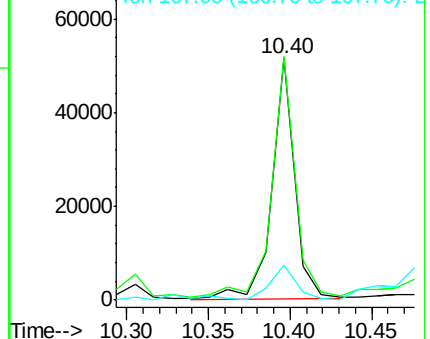
167 14.4 10.8 16.2

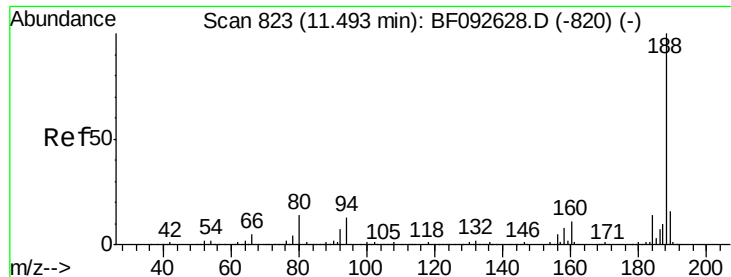


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

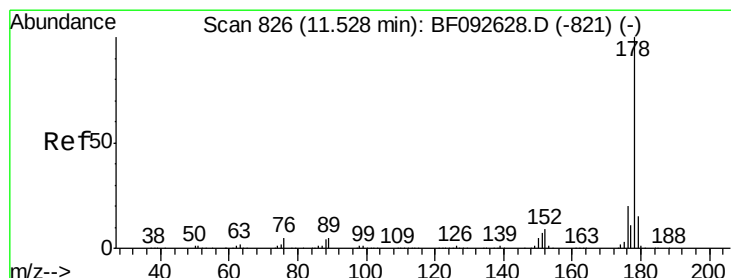
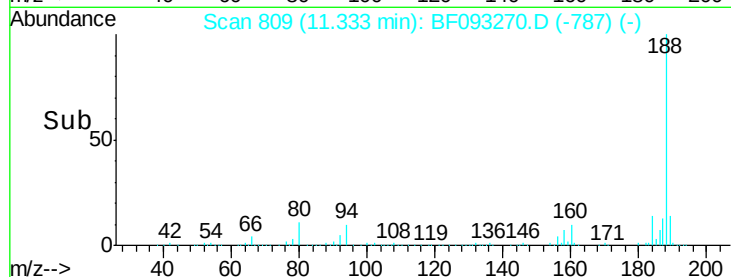
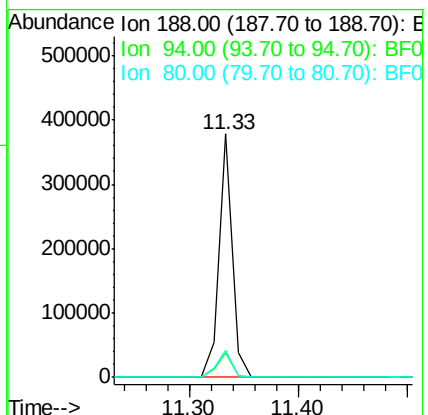
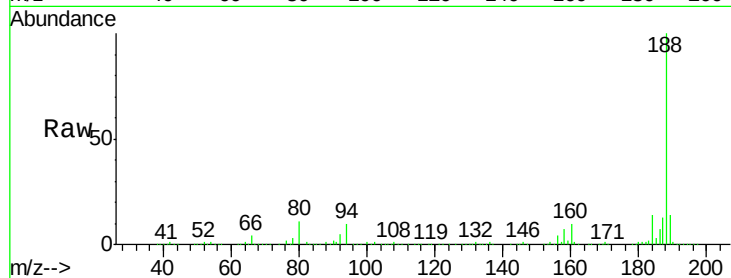




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

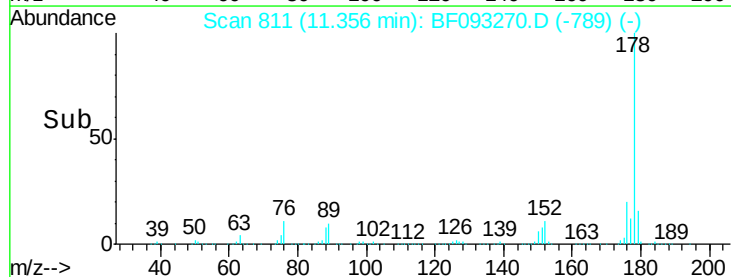
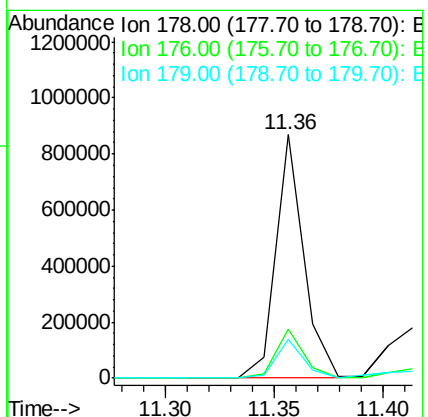
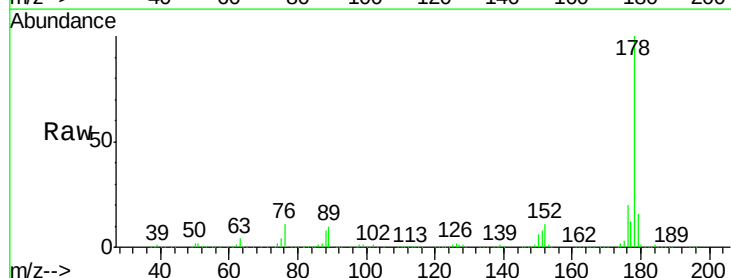
Instrument :
BNA_F
ClientSampleId :
E2-GG9-BASEDL

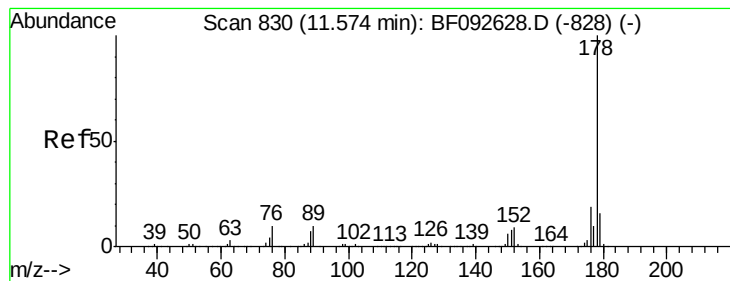
Tgt Ion:188 Resp: 326029
Ion Ratio Lower Upper
188 100
94 10.3 10.0 15.0
80 11.0 11.2 16.8#



#70
Phenanthrene
Concen: 42.02 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093270.D
Acq: 1 Mar 2017 3:38

Tgt Ion:178 Resp: 784895
Ion Ratio Lower Upper
178 100
176 20.2 16.6 25.0
179 16.2 12.8 19.2





#71

Anthracene

Concen: 11.65 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.05 min

Lab File: BF093270.D

Acq: 1 Mar 2017 3:38

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASEDL

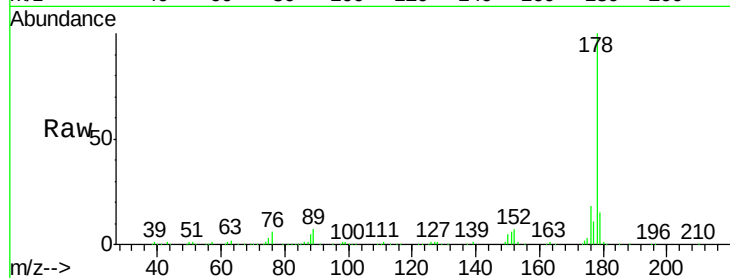
Tgt Ion:178 Resp: 218620

Ion Ratio Lower Upper

178 100

176 18.3 15.9 23.9

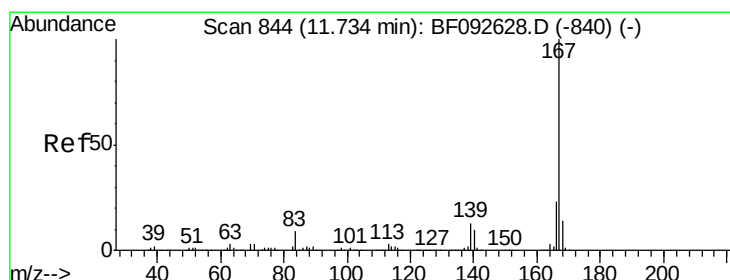
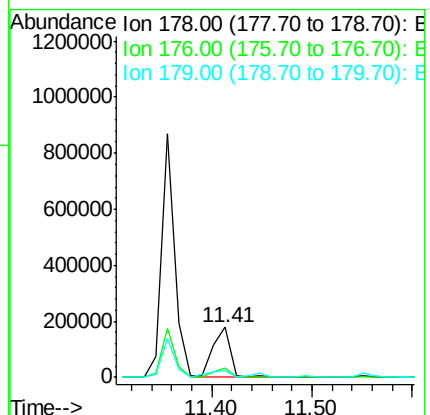
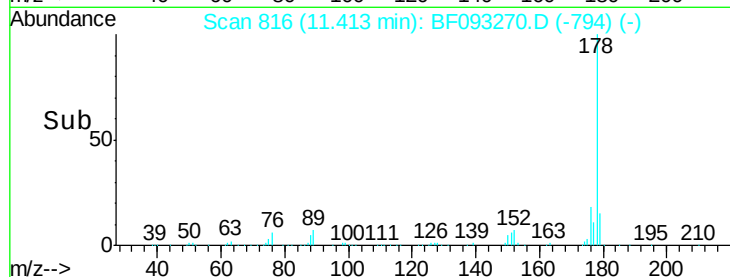
179 15.0 13.2 19.8



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: 3.92 ng

RT: 11.57 min Scan# 830

Delta R.T. -0.03 min

Lab File: BF093270.D

Acq: 1 Mar 2017 3:38

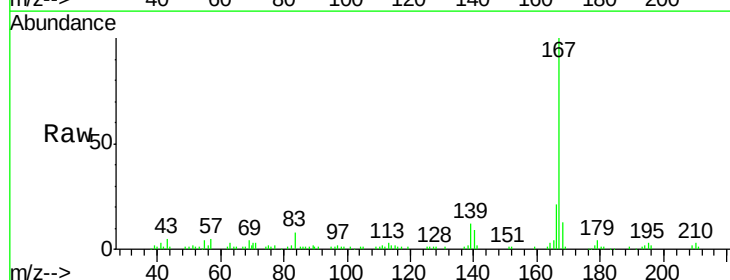
Tgt Ion:167 Resp: 70331

Ion Ratio Lower Upper

167 100

166 21.3 18.2 27.2

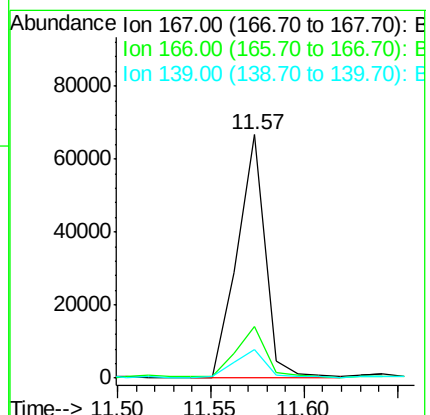
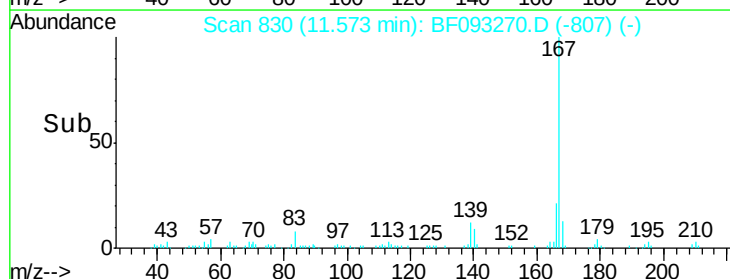
139 11.6 11.4 17.2

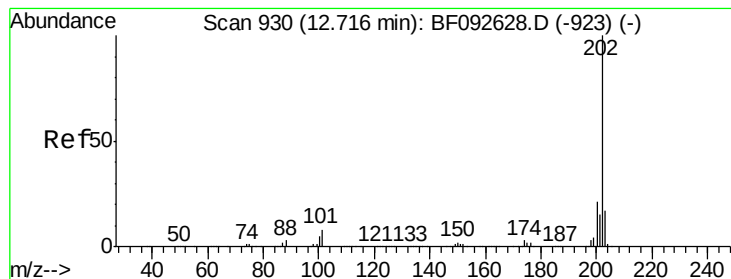


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 59.98 ng

RT: 12.55 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093270.D

Acq: 1 Mar 2017 3:38

Instrument :

BNA_F

ClientSampleId :

E2-GG9-BASEDL

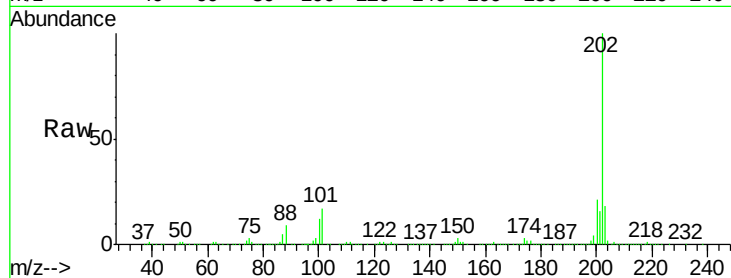
Tgt Ion:202 Resp: 1155592

Ion Ratio Lower Upper

202 100

101 17.0 0.0 34.6

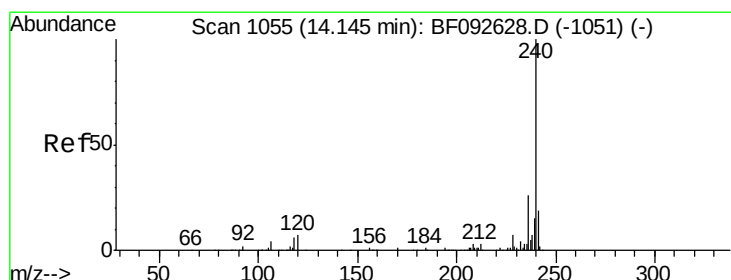
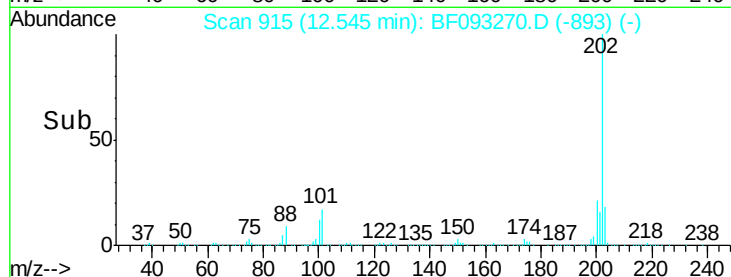
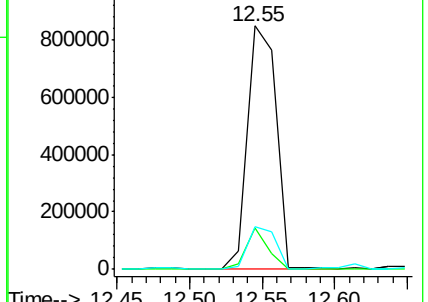
203 17.8 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093270.D

Acq: 1 Mar 2017 3:38

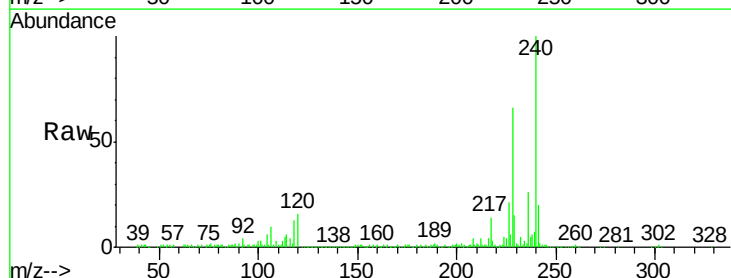
Tgt Ion:240 Resp: 276155

Ion Ratio Lower Upper

240 100

120 15.6 12.9 19.3

236 25.6 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

