

Data File : BF093225.D
Acq On : 28 Feb 2017 00:46
Operator : SJ/MA
Sample : I1996-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-AA5D-SWW

Quant Time: Feb 28 01:28:39 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 28 00:51:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	167667	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	655310	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	299873	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	489688	20.00	ng	0.00
75) Chrysene-d12	13.99	240	328489	20.00	ng	0.00
86) Perylene-d12	15.41	264	299997	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1021264	104.50	ng	0.01
7) Phenol-d6	6.46	99	1278233	101.65	ng	-0.01
23) Nitrobenzene-d5	7.39	82	844805	71.79	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	197913	91.25	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	1332386	80.50	ng	0.00
78) Terphenyl-d14	12.93	244	894824	64.01	ng	0.00

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	110665	13.83	ng	# 75
25) Isophorone	7.39	82	826155	37.68	ng	# 65
32) Benzoic acid	7.92	122	1785	7.43	ng	# 31
48) Acenaphthylene	9.72	152	98059	3.34	ng	99
49) Dimethylphthalate	9.57	163	397708	19.69	ng	99
51) Acenaphthene	9.89	154	82723	4.72	ng	94
54) Dibenzofuran	10.06	168	91653	3.91	ng	# 90
57) Fluorene	10.41	166	136803	7.58	ng	97
64) 4,6-Dinitro-2-methylphenol	10.65	198	693	2.89	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	14670	2.87	ng	# 1
70) Phenanthrene	11.37	178	1494846	53.28	ng	99
71) Anthracene	11.42	178	471430	16.73	ng	97
72) Carbazole	11.57	167	153531	5.70	ng	99
74) Fluoranthene	12.57	202	2110564	72.93	ng	95
77) Pyrene	12.80	202	1825318	74.25	ng	99
80) Benzo(a)anthracene	13.97	228	947060	47.14	ng	97
82) Chrysene	14.01	228	677014	35.99	ng	96
83) Bis(2-ethylhexyl)phthalate	13.96	149	72162	5.29	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.82	276	363486	24.95	ng	96
87) Benzo(b)fluoranthene	15.01	252	1235608	62.58	ng	98
88) Benzo(k)fluoranthene	15.01	252	1235608	72.47	ng	# 97
89) Benzo(a)pyrene	15.36	252	660196	38.65	ng	# 96
90) Dibenzo(a,h)anthracene	16.98	278	80170	5.81	ng	97
91) Benzo(g,h,i)perylene	17.23	276	344329	24.69	ng	# 88

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

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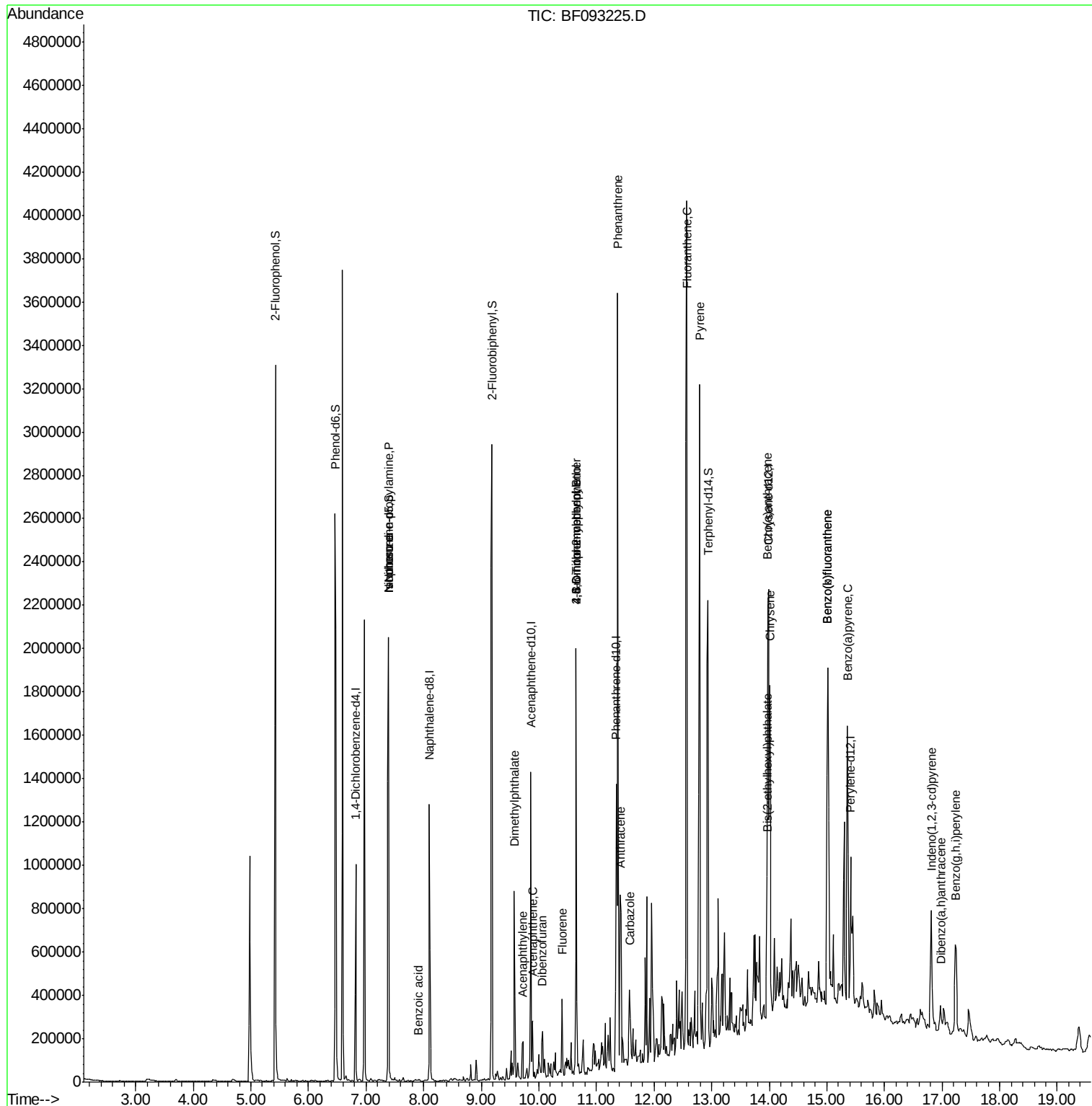
Quant Time: Feb 28 01:28:39 2017

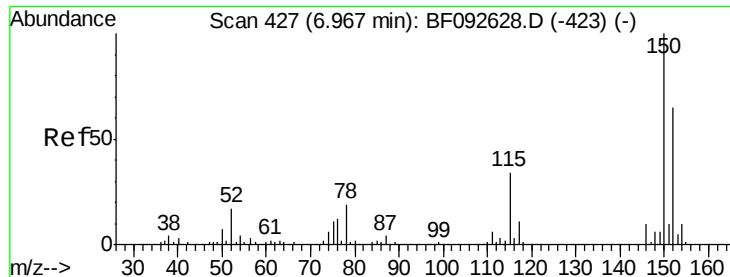
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

ClientSampleId :

E2-AA5D-SWW

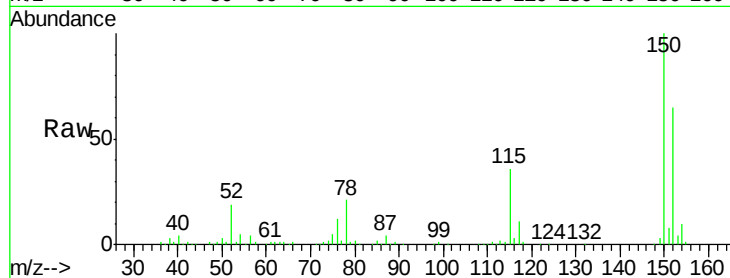
Tgt Ion:152 Resp: 167667

Ion Ratio Lower Upper

152 100

150 154.2 124.9 187.3

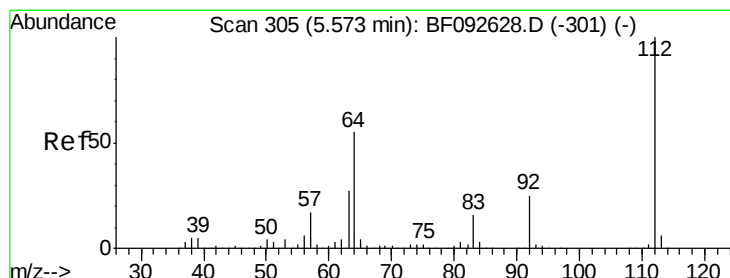
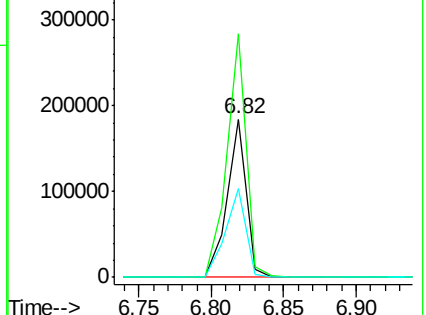
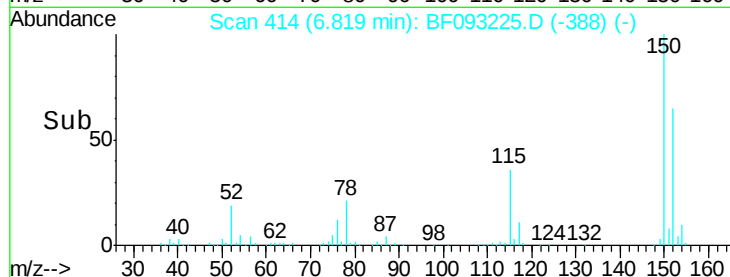
115 56.1 46.0 69.0



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: 104.50 ng

RT: 5.42 min Scan# 292

Delta R.T. 0.01 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

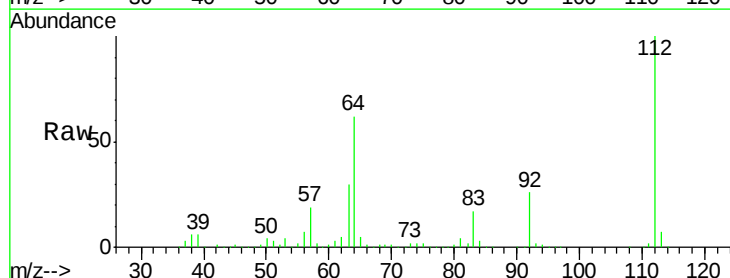
Tgt Ion:112 Resp: 1021264

Ion Ratio Lower Upper

112 100

64 61.6 46.1 69.1

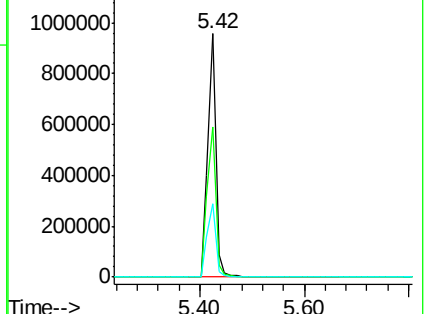
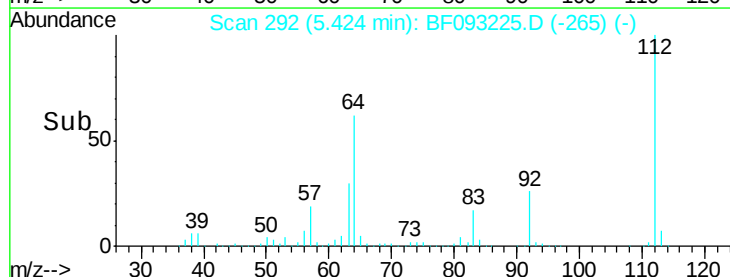
63 30.4 23.8 35.6

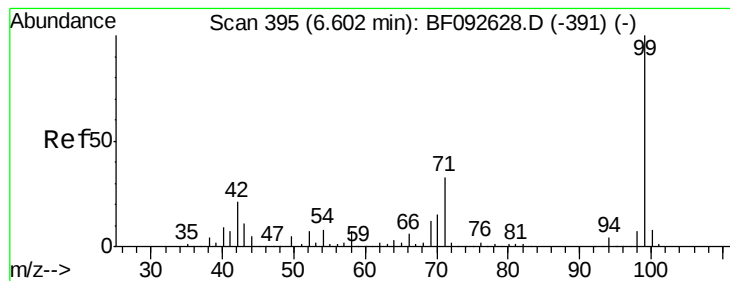


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.65 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

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ClientSampleId :

E2-AA5D-SWW

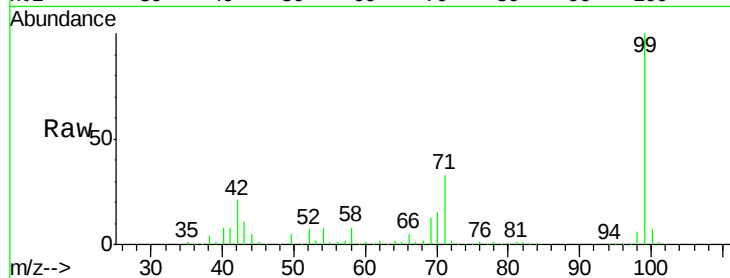
Tgt Ion: 99 Resp: 1278233

Ion Ratio Lower Upper

99 100

42 21.3 15.6 23.4

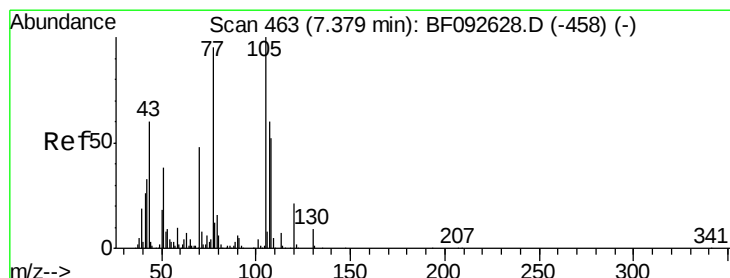
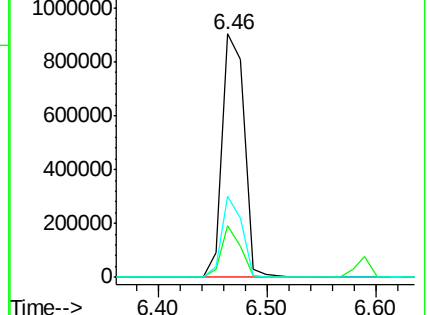
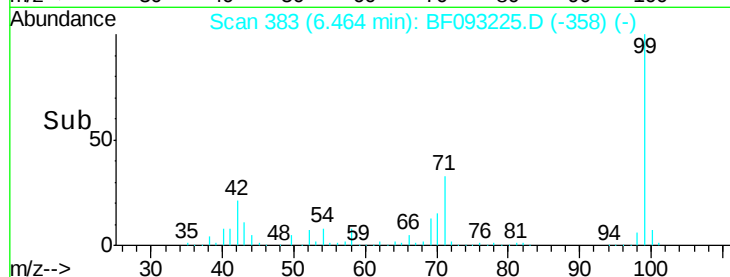
71 33.1 27.5 41.3



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: 13.83 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Tgt Ion: 70 Resp: 110665

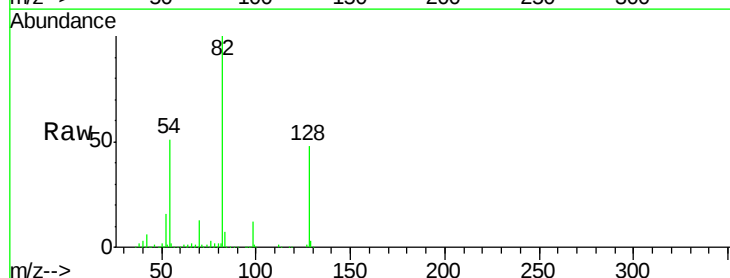
Ion Ratio Lower Upper

70 100

42 44.4 49.4 74.0#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

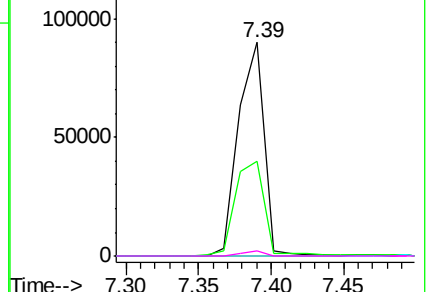
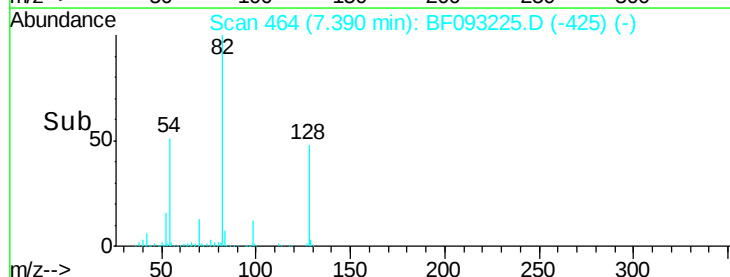


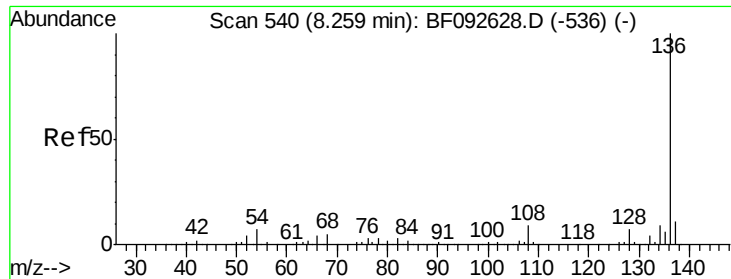
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

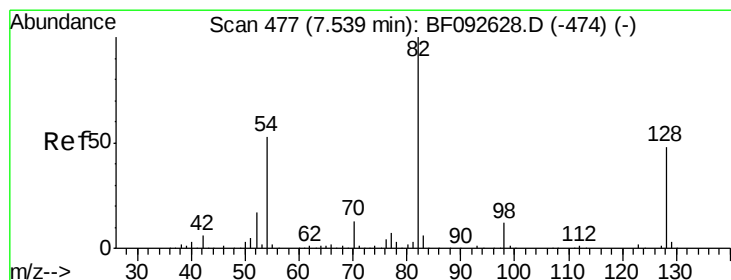
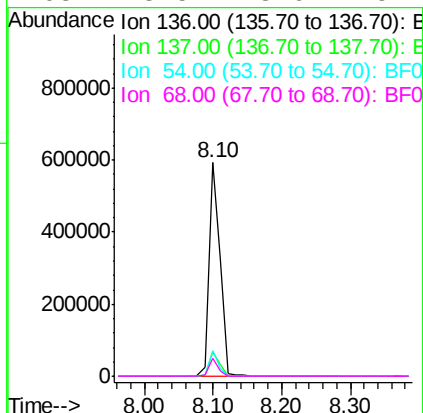
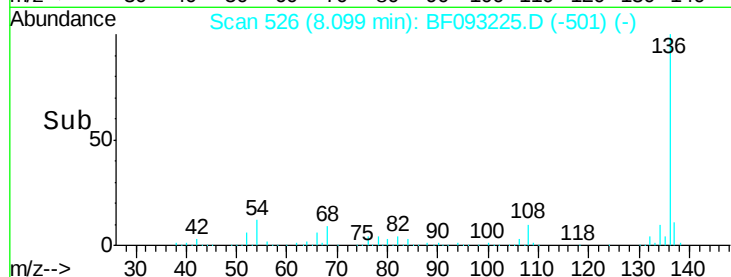
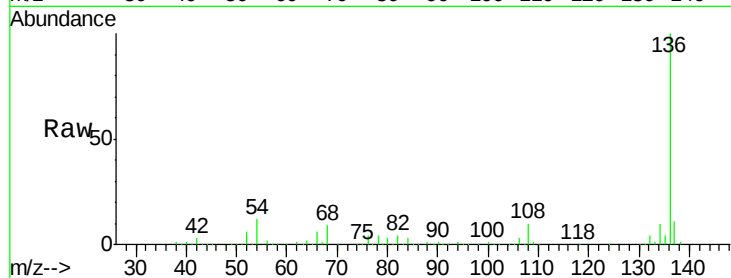




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.01 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

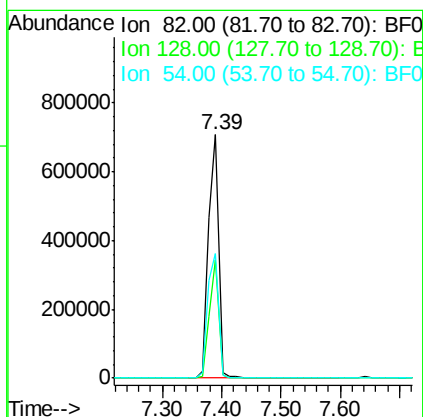
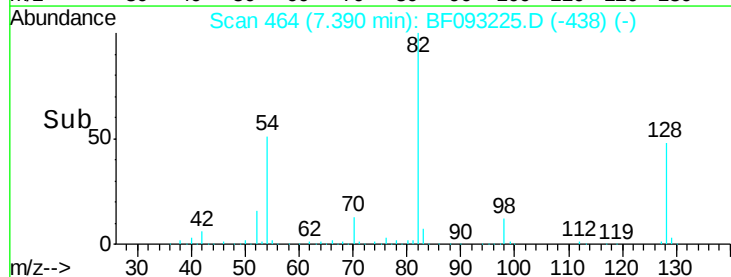
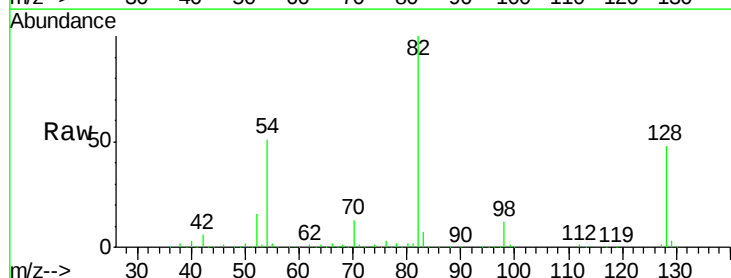
Instrument :
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E2-AA5D-SWW

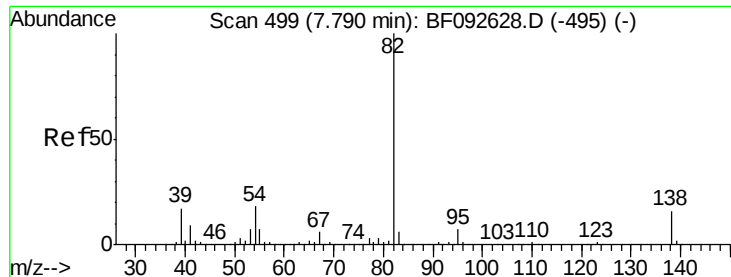
Tgt Ion:	136	Resp:	655310
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	11.9	4.5	6.7#
68	8.5	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 71.79 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Tgt Ion:	82	Resp:	844805
Ion	Ratio	Lower	Upper
82	100		
128	48.3	34.6	52.0
54	51.2	39.5	59.3





#25

Isophorone

Concen: 37.68 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.26 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

ClientSampleId :

E2-AA5D-SWW

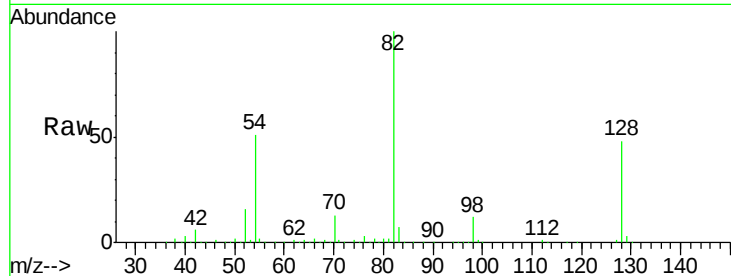
Tgt Ion: 82 Resp: 826155

Ion Ratio Lower Upper

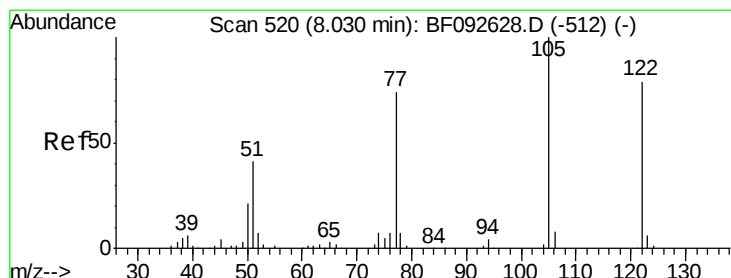
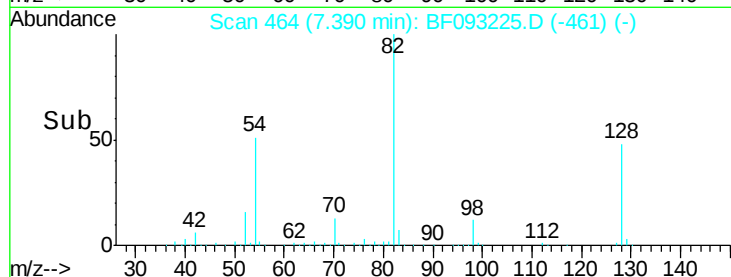
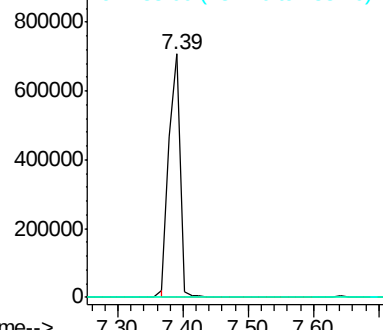
82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



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



#32

Benzoic acid

Concen: 7.43 ng

RT: 7.92 min Scan# 510

Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

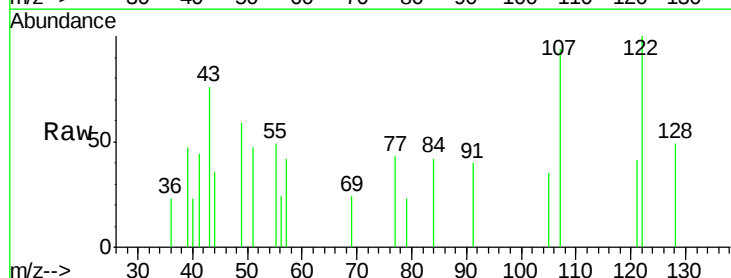
Tgt Ion: 122 Resp: 1785

Ion Ratio Lower Upper

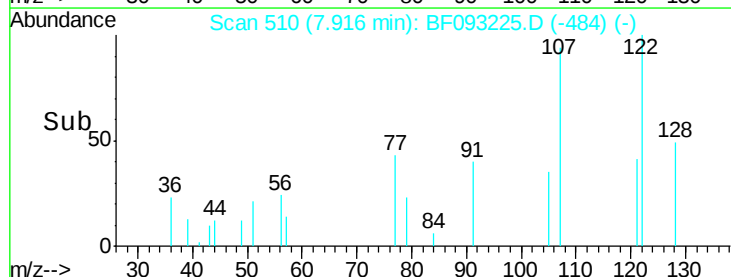
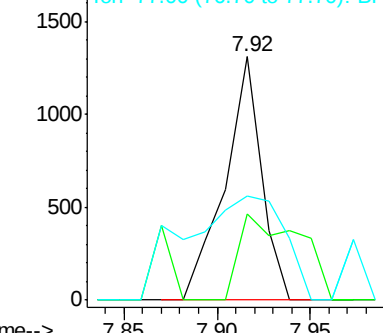
122 100

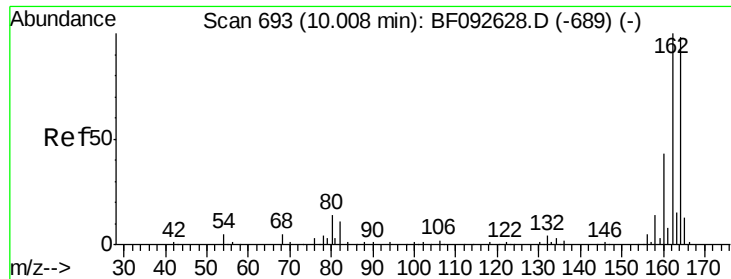
105 35.3 107.2 147.2#

77 42.8 74.5 114.5#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

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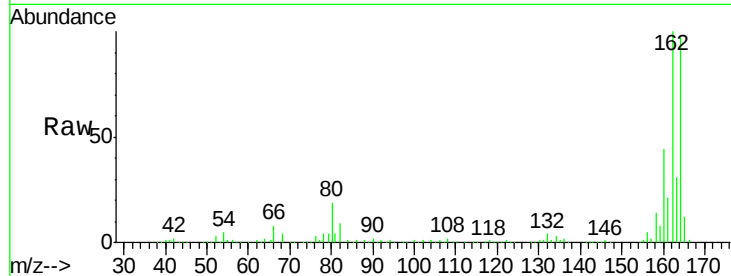
Tgt Ion:164 Resp: 299873

Ion Ratio Lower Upper

164 100

162 103.2 80.2 120.2

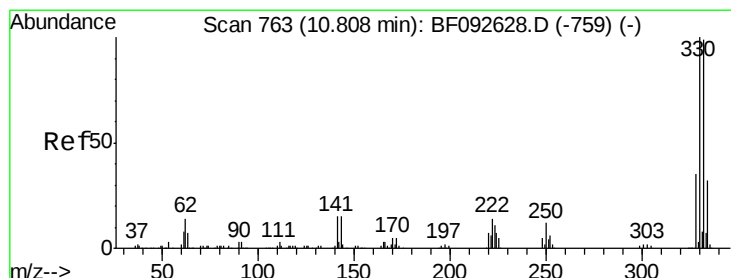
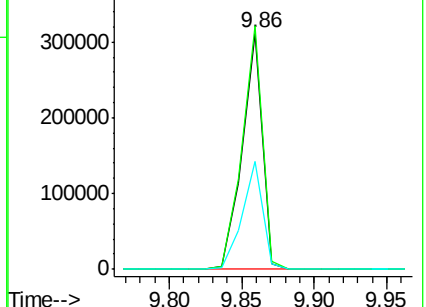
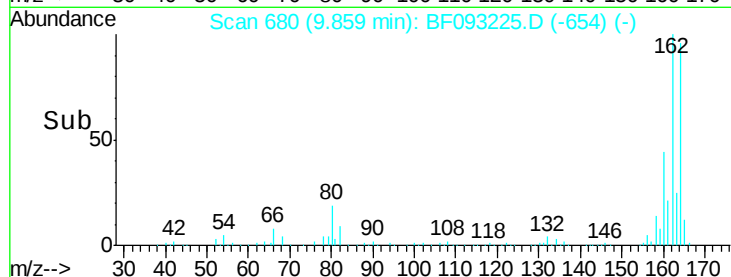
160 45.6 36.9 55.3



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: 91.25 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

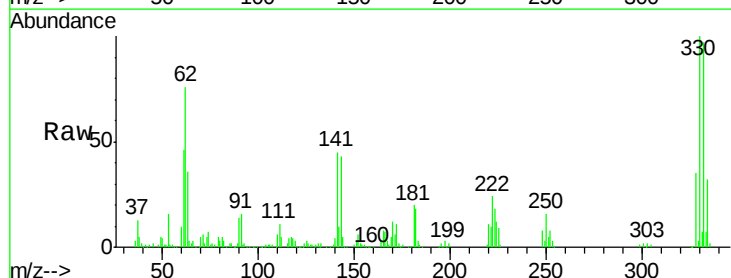
Tgt Ion:330 Resp: 197913

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.2

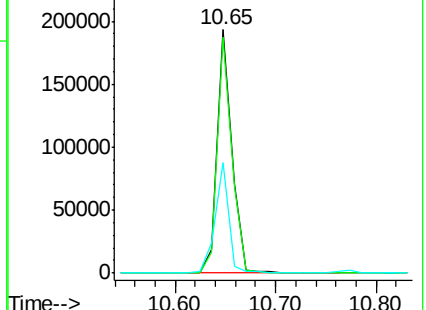
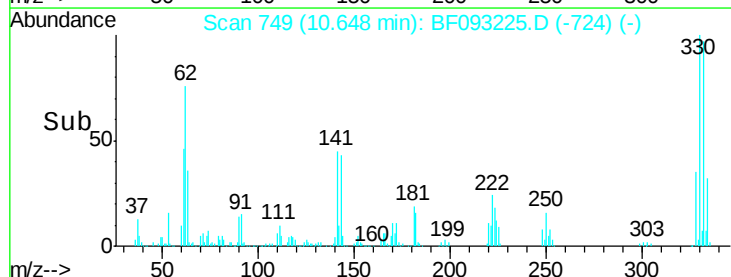
141 41.1 34.1 51.1

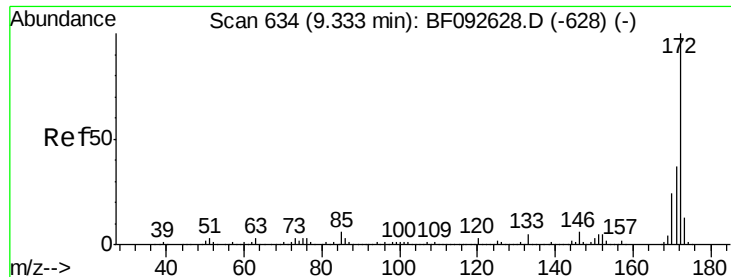


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

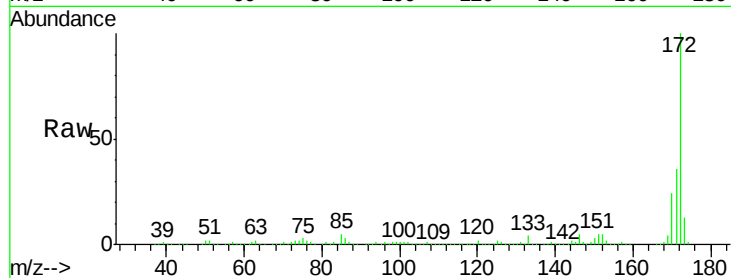




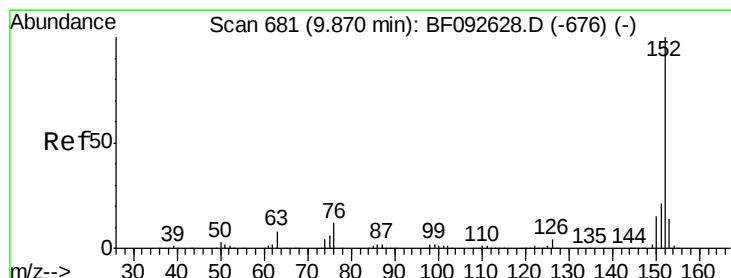
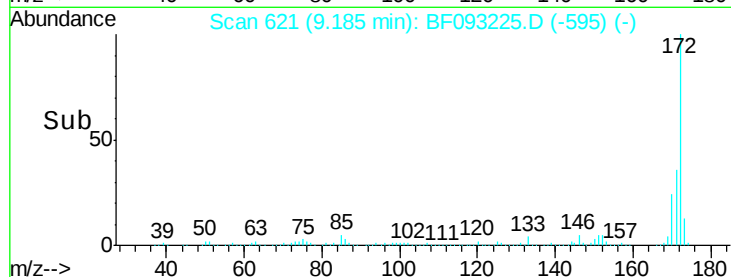
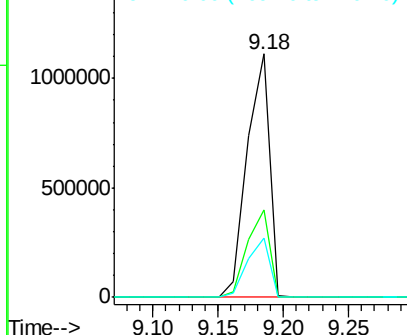
#44
 2-Fluorobiphenyl
 Concen: 80.50 ng
 RT: 9.18 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

Instrument :
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Tgt Ion:172 Resp: 1332386
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 24.4 20.2 30.4

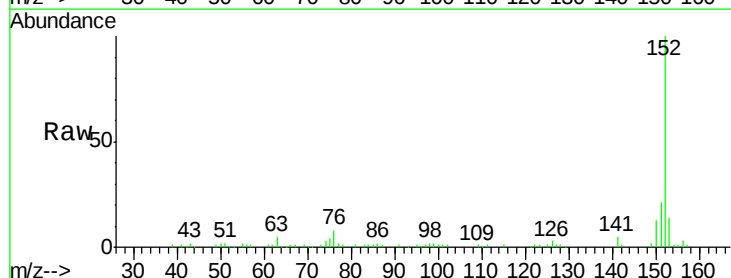


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

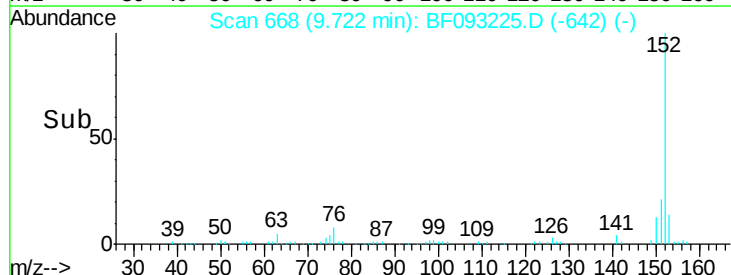
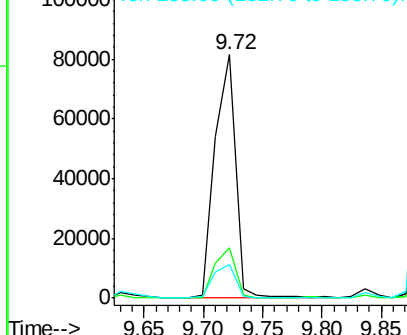


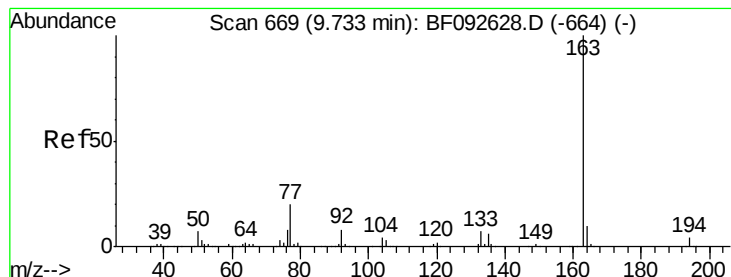
#48
 Acenaphthylene
 Concen: 3.34 ng
 RT: 9.72 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

Tgt Ion:152 Resp: 98059
 Ion Ratio Lower Upper
 152 100
 151 20.9 16.9 25.3
 153 13.6 11.4 17.2



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: 19.69 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.02 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

ClientSampleId :

E2-AA5D-SWW

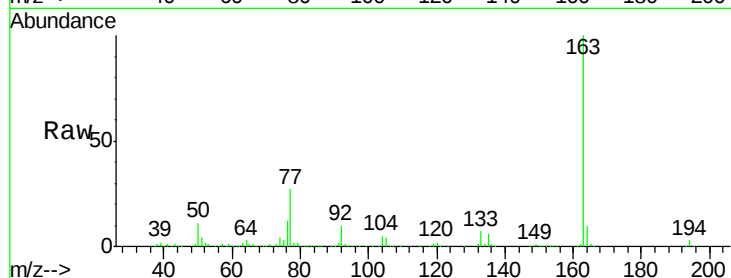
Tgt Ion:163 Resp: 397708

Ion Ratio Lower Upper

163 100

194 3.0 3.0 4.4

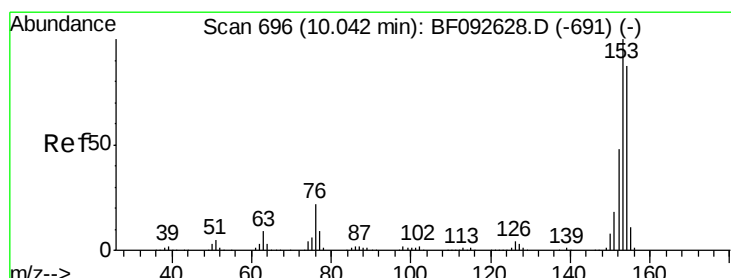
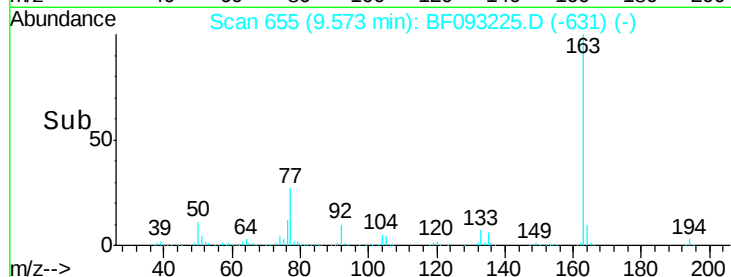
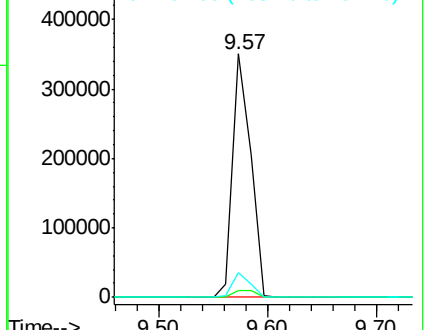
164 10.3 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 4.72 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

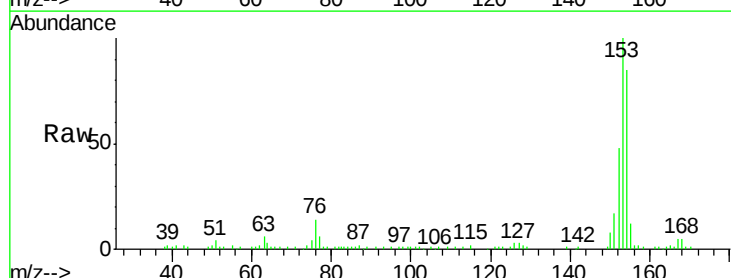
Tgt Ion:154 Resp: 82723

Ion Ratio Lower Upper

154 100

153 117.3 88.6 133.0

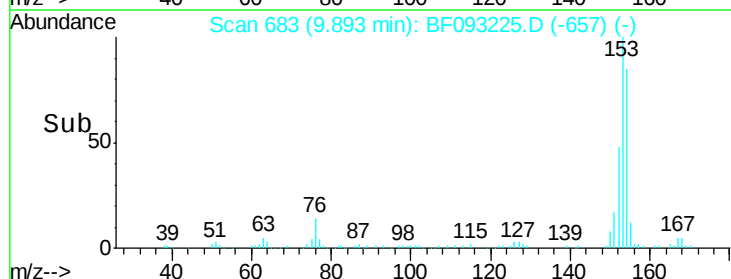
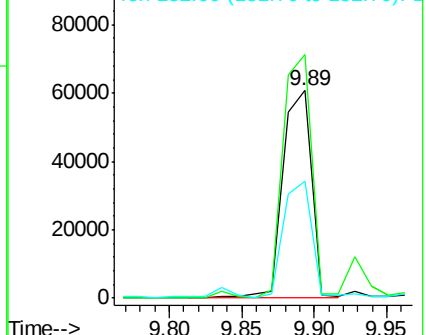
152 56.2 41.6 62.4

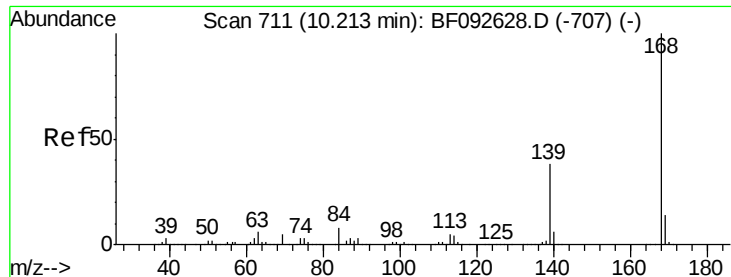


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

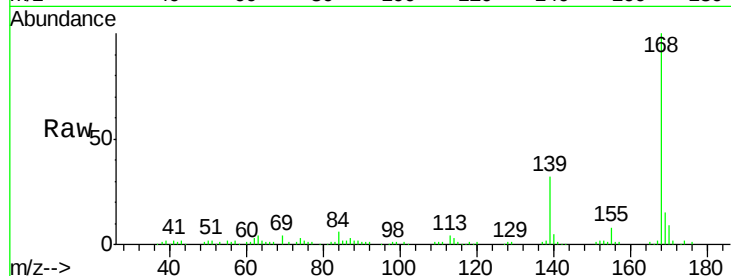




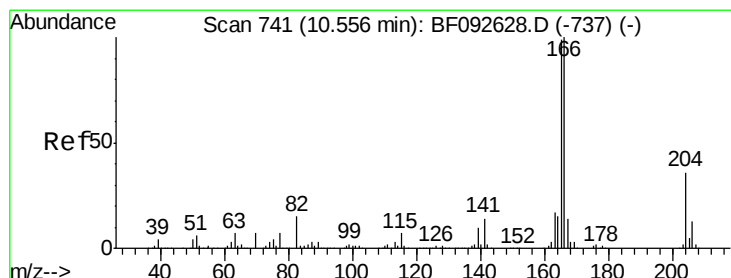
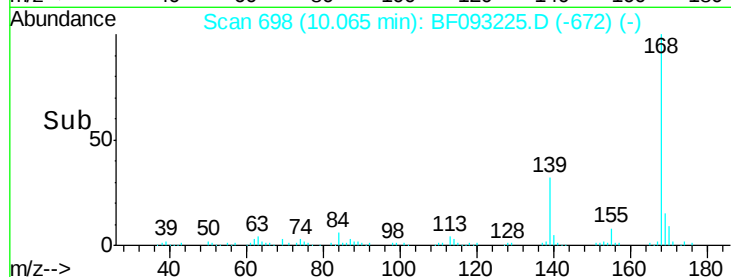
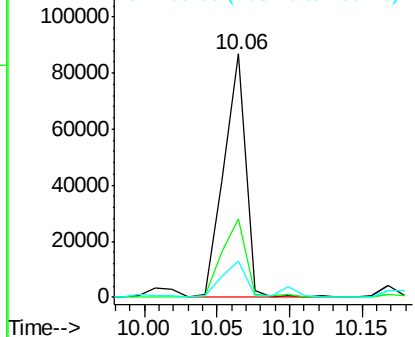
#54
Dibenzofuran
Concen: 3.91 ng
RT: 10.06 min Scan# 698
Delta R.T. 0.00 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Instrument :
BNA_F
ClientSampleId :
E2-AA5D-SWW

Tgt Ion:168 Resp: 91653
Ion Ratio Lower Upper
168 100
139 32.3 32.6 49.0#
169 14.6 11.3 16.9

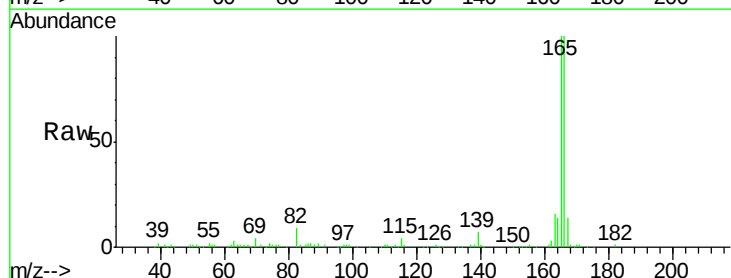


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

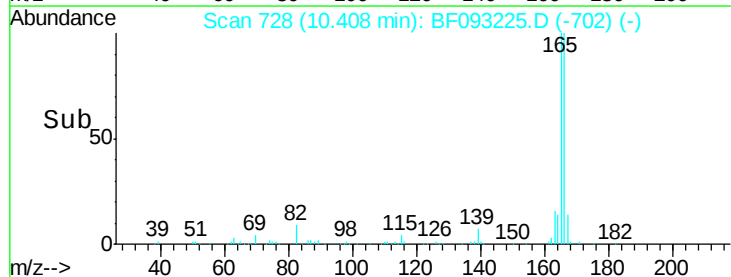
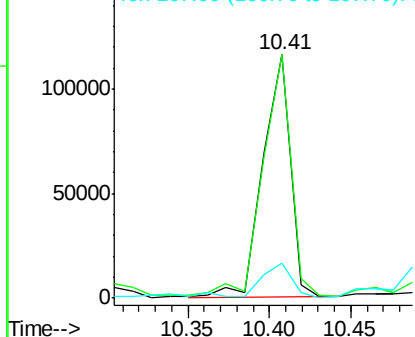


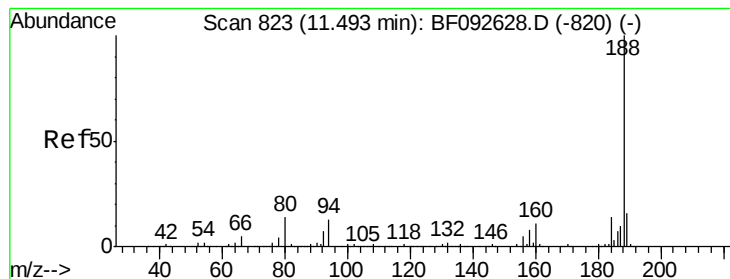
#57
Fluorene
Concen: 7.58 ng
RT: 10.41 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Tgt Ion:166 Resp: 136803
Ion Ratio Lower Upper
166 100
165 99.9 77.8 116.8
167 14.2 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: 11.34 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

ClientSampleId :

E2-AA5D-SWW

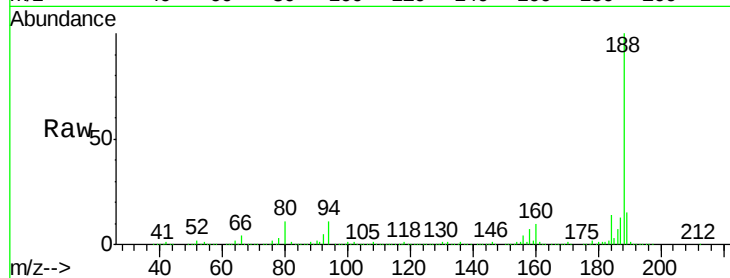
Tgt Ion:188 Resp: 489688

Ion Ratio Lower Upper

188 100

94 10.6 10.0 15.0

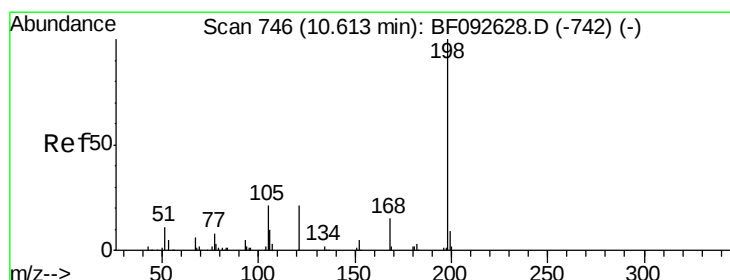
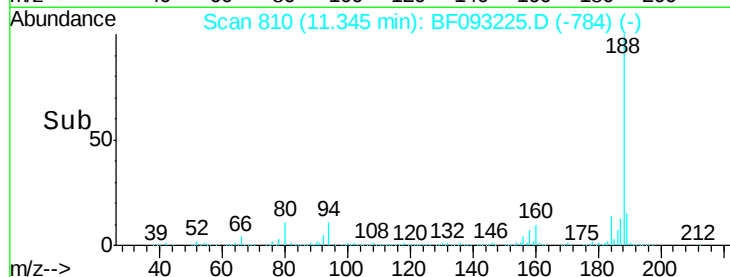
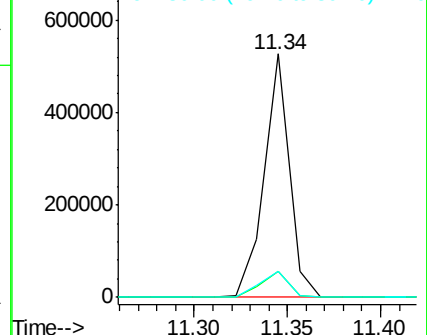
80 10.8 11.2 16.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 2.89 ng

RT: 10.65 min Scan# 749

Delta R.T. 0.17 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

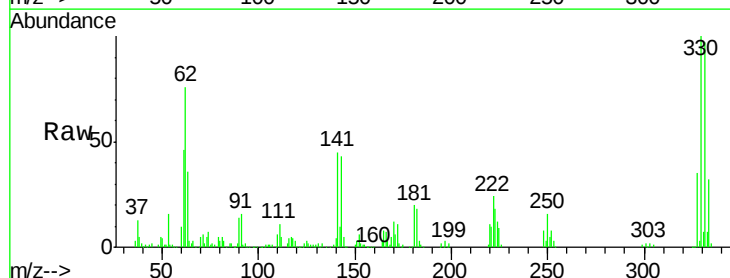
Tgt Ion:198 Resp: 693

Ion Ratio Lower Upper

198 100

51 413.5 6.7 46.7#

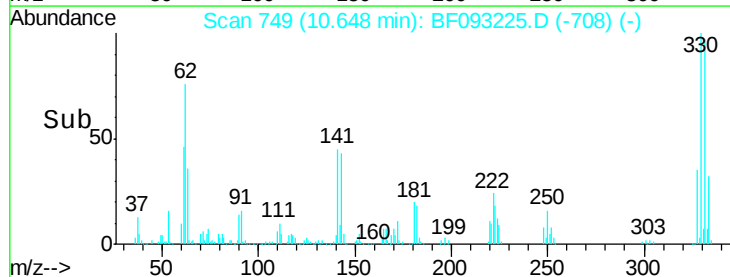
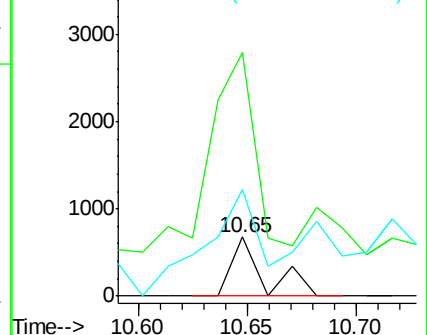
105 181.3 16.6 56.6#

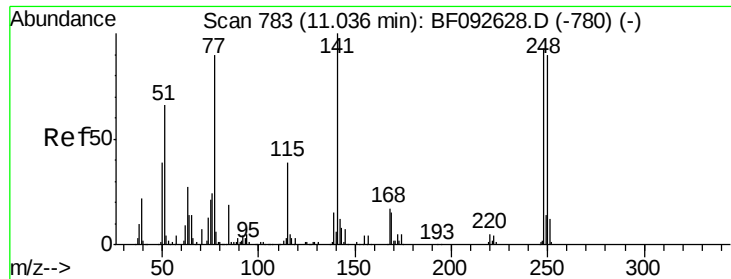


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

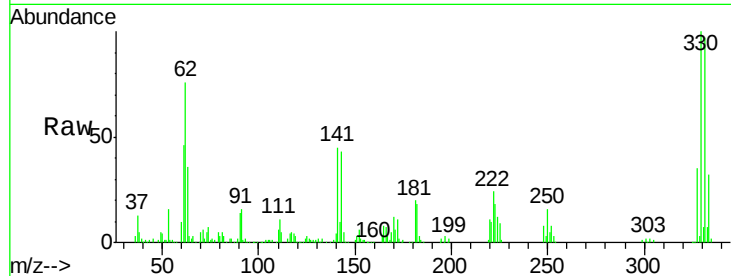




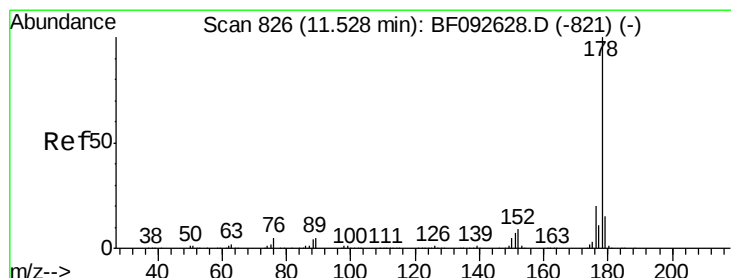
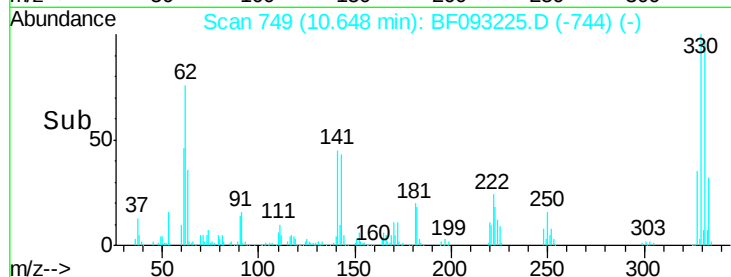
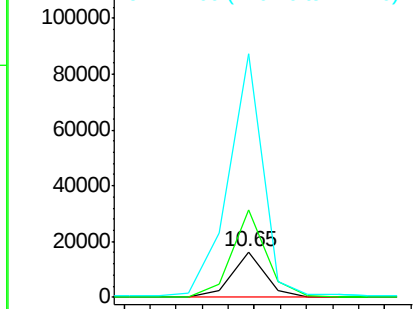
#66
 4-Bromophenyl-phenylether
 Concen: 2.87 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.24 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA5D-SWW

Tgt Ion:248 Resp: 14670
 Ion Ratio Lower Upper
 248 100
 250 193.3 76.9 115.3#
 141 536.4 68.2 102.4#

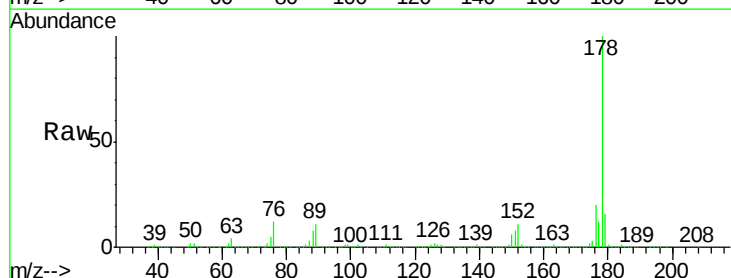


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

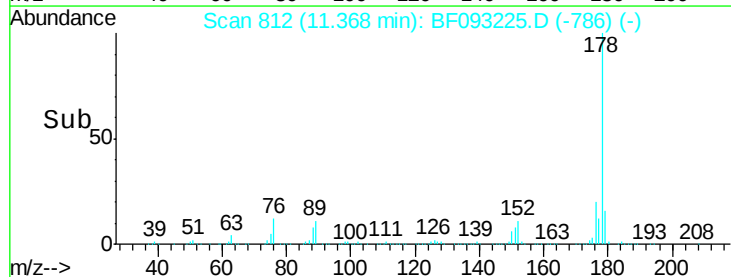
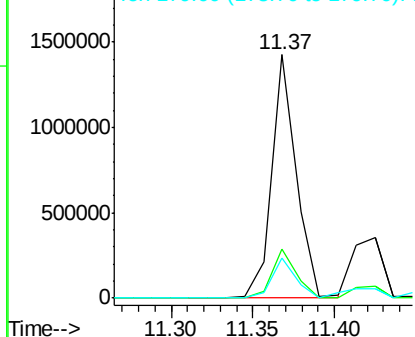


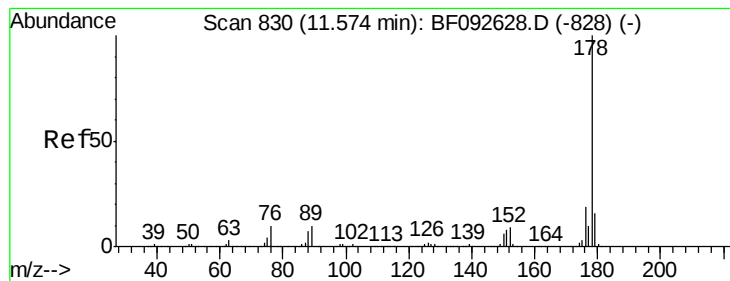
#70
 Phenanthrene
 Concen: 53.28 ng
 RT: 11.37 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

Tgt Ion:178 Resp: 1494846
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.6 25.0
 179 16.3 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 16.73 ng

RT: 11.42 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

ClientSampleId :

E2-AA5D-SWW

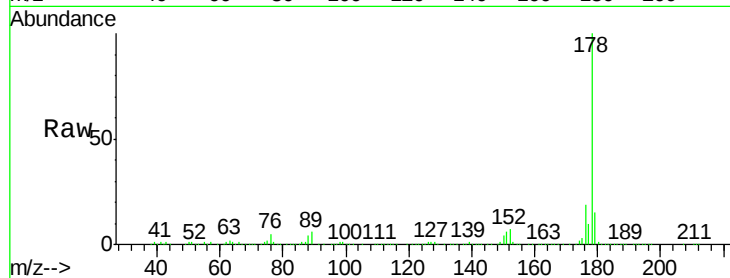
Tgt Ion:178 Resp: 471430

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

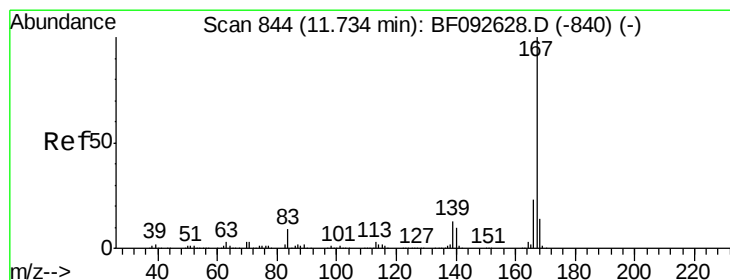
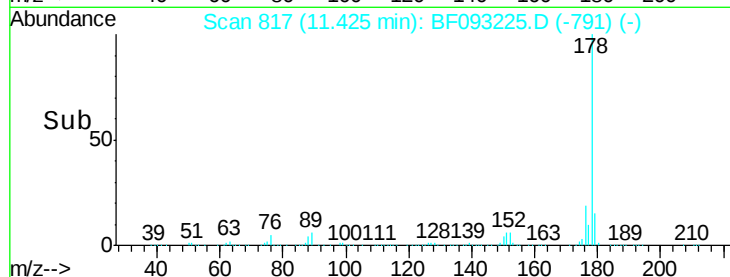
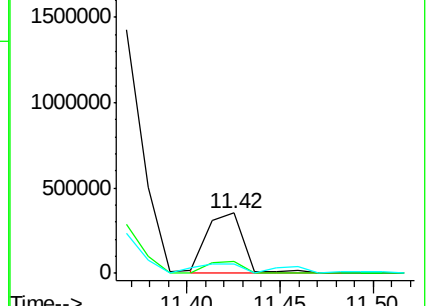
179 15.0 13.2 19.8



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: 5.70 ng

RT: 11.57 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

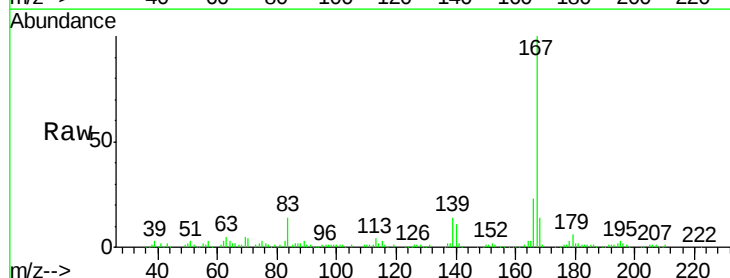
Tgt Ion:167 Resp: 153531

Ion Ratio Lower Upper

167 100

166 22.6 18.2 27.2

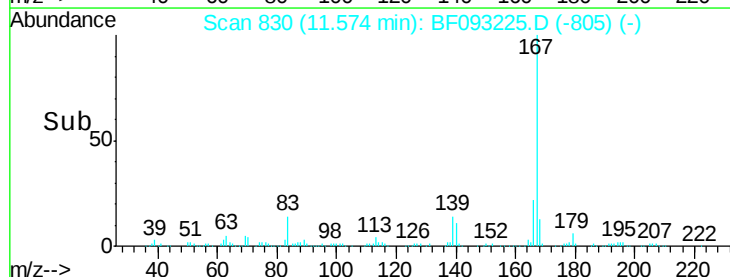
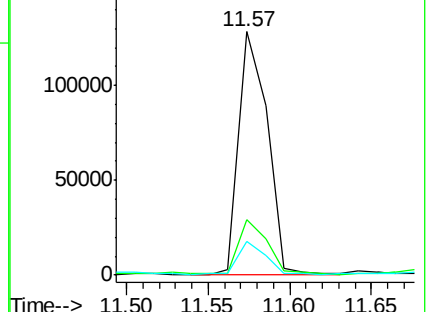
139 13.8 11.4 17.2

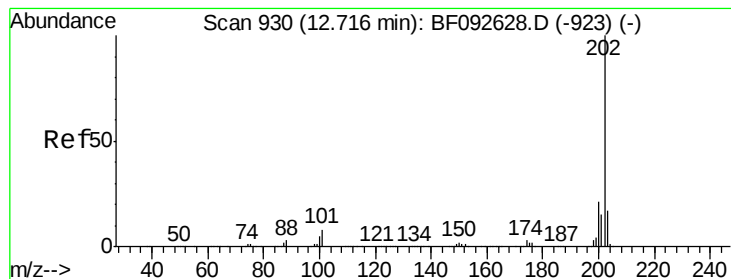


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 72.93 ng

RT: 12.57 min Scan# 917

Delta R.T. 0.01 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

ClientSampleId :

E2-AA5D-SWW

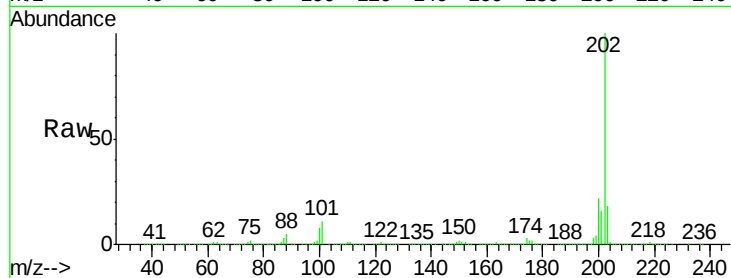
Tgt Ion:202 Resp: 2110564

Ion Ratio Lower Upper

202 100

101 10.8 0.0 34.6

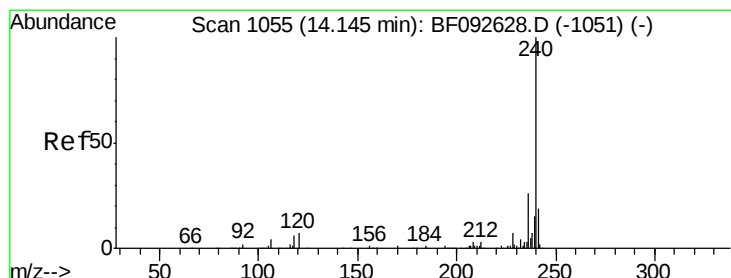
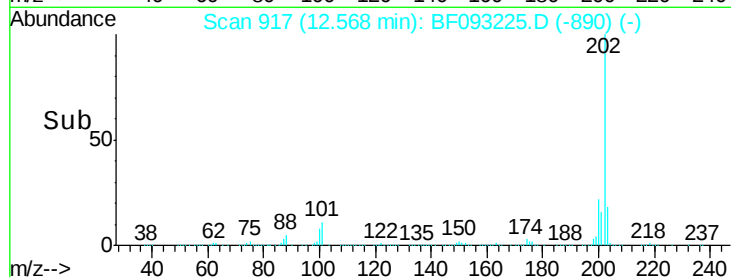
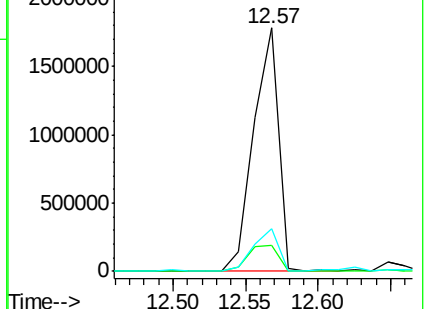
203 17.7 0.0 38.7



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: 13.99 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

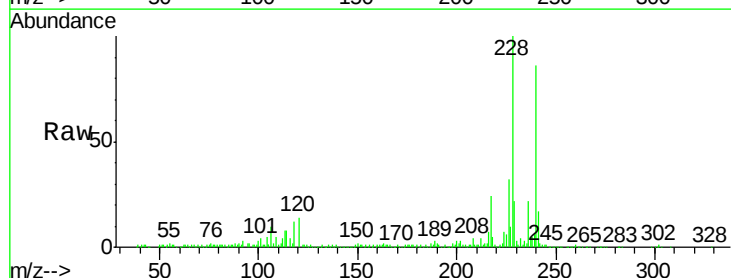
Tgt Ion:240 Resp: 328489

Ion Ratio Lower Upper

240 100

120 15.9 12.9 19.3

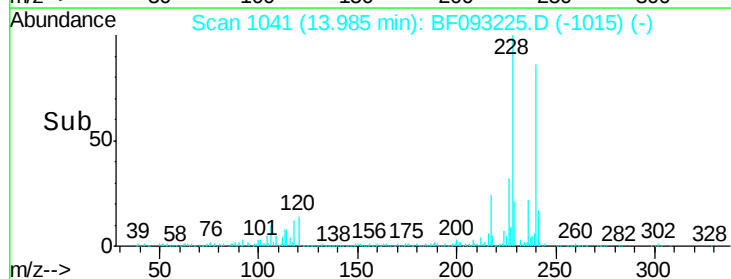
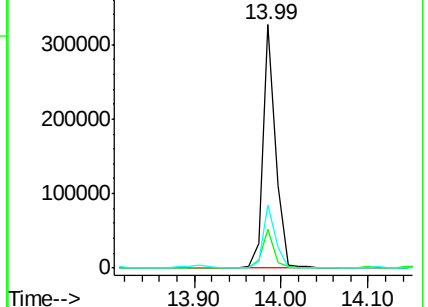
236 26.0 20.9 31.3

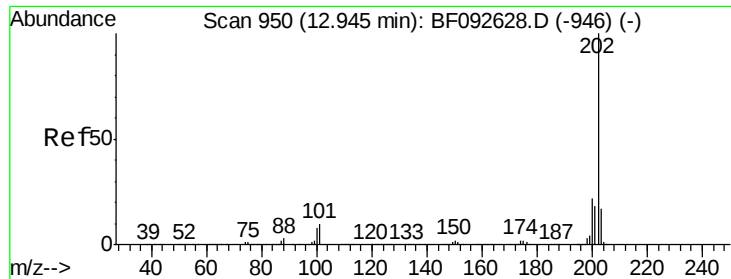


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 74.25 ng

RT: 12.80 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

ClientSampleId :

E2-AA5D-SWW

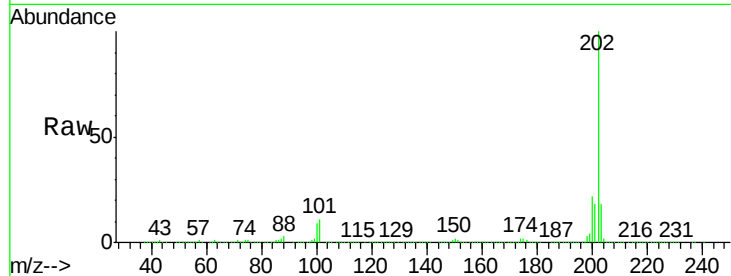
Tgt Ion:202 Resp: 1825318

Ion Ratio Lower Upper

202 100

200 21.8 17.7 26.5

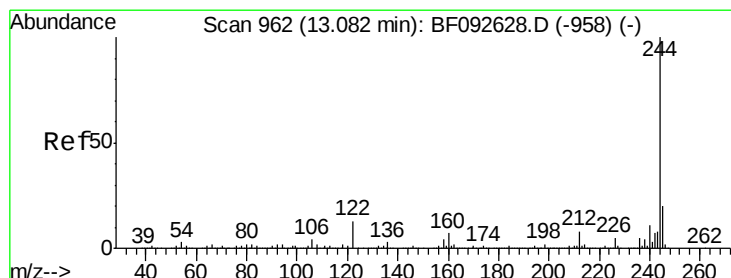
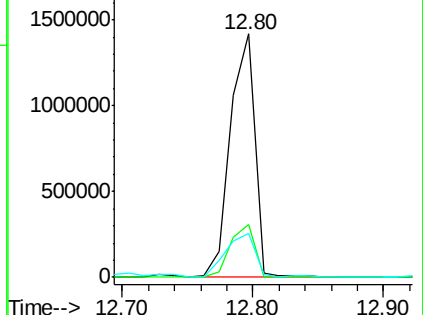
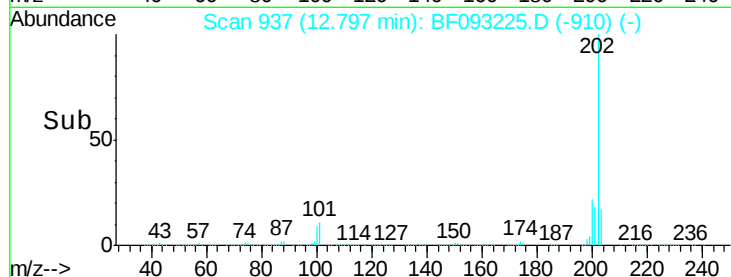
203 17.9 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 64.01 ng

RT: 12.93 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

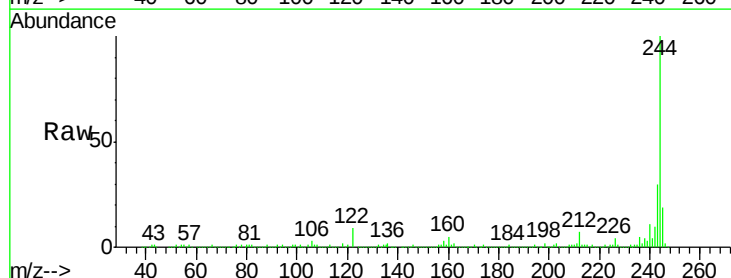
Tgt Ion:244 Resp: 894824

Ion Ratio Lower Upper

244 100

212 6.8 6.2 9.2

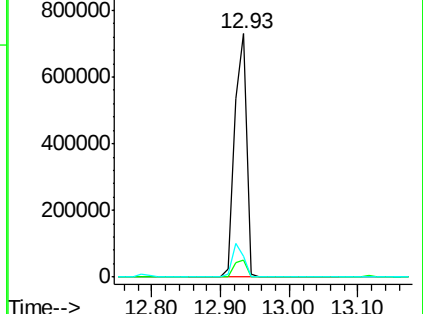
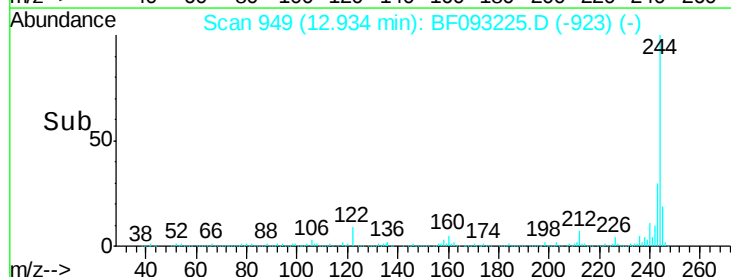
122 8.5 11.4 17.2

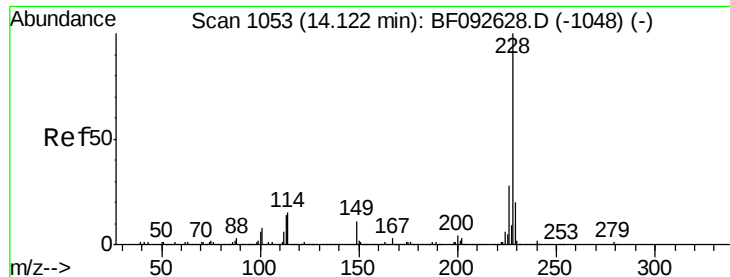


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

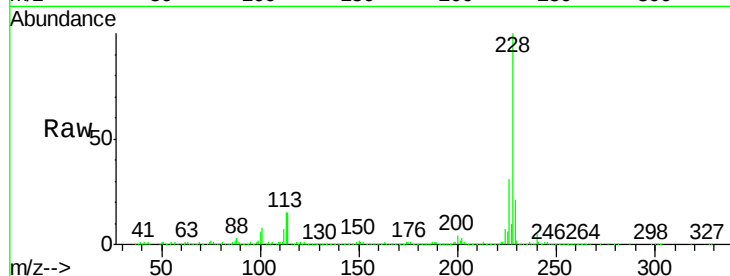




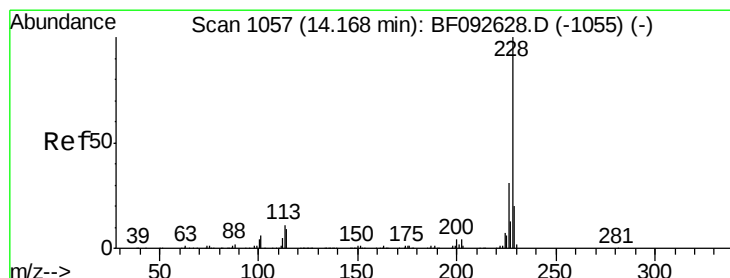
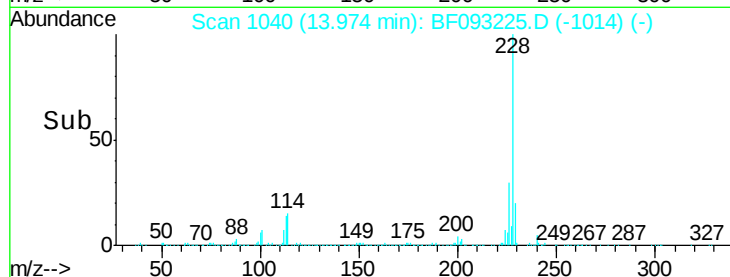
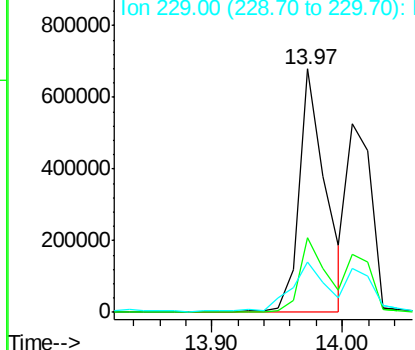
#80
Benzo(a)anthracene
Concen: 47.14 ng
RT: 13.97 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Instrument :
BNA_F
ClientSampleId :
E2-AA5D-SWW

Tgt Ion:228 Resp: 947060
Ion Ratio Lower Upper
228 100
226 30.6 22.4 33.6
229 20.9 16.2 24.4

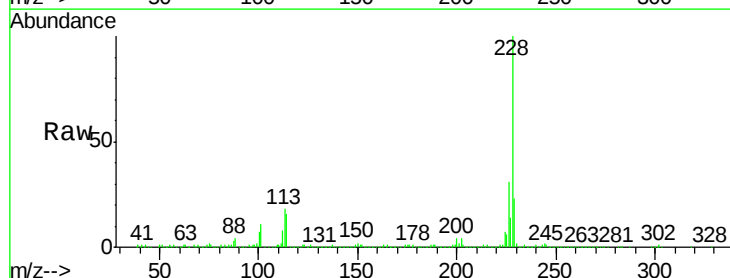


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

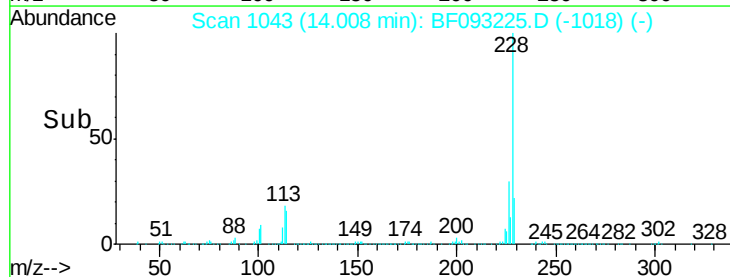
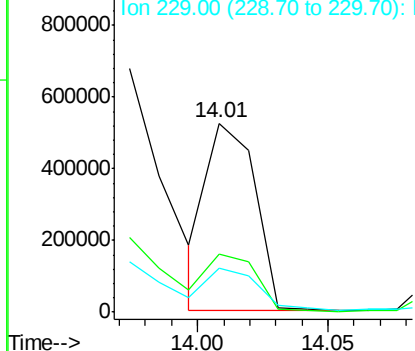


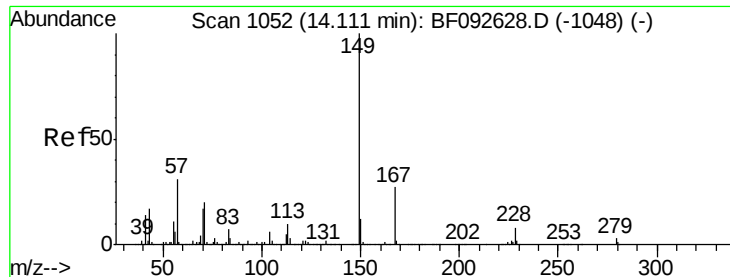
#82
Chrysene
Concen: 35.99 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Tgt Ion:228 Resp: 677014
Ion Ratio Lower Upper
228 100
226 30.7 25.4 38.0
229 23.0 16.2 24.2



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

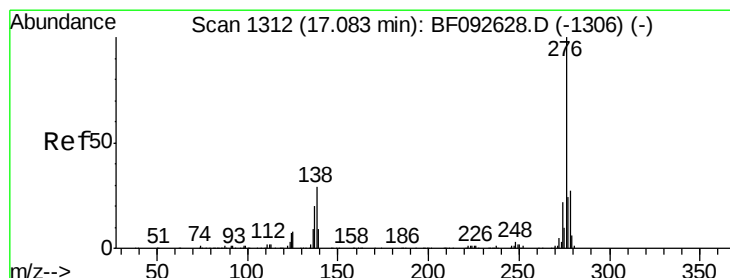
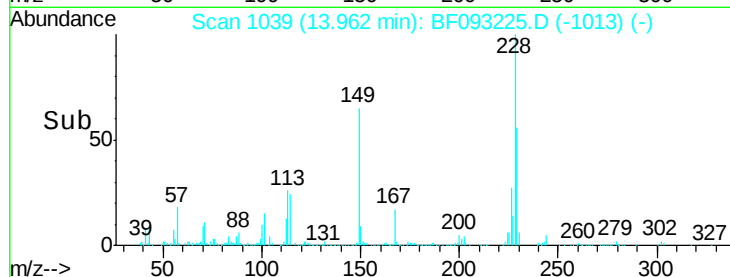
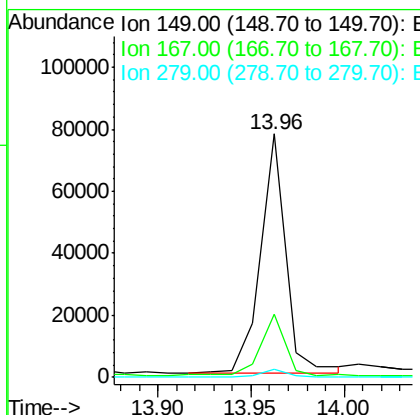
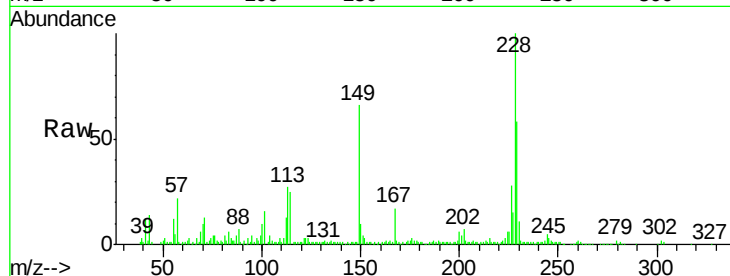




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.29 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

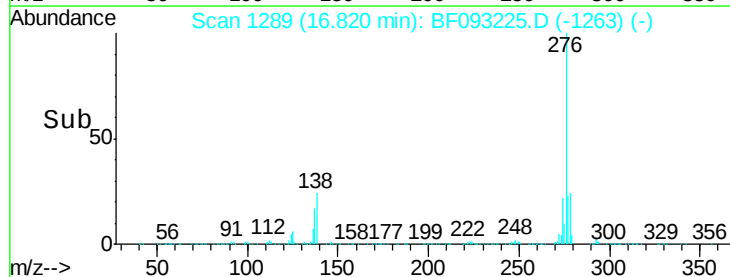
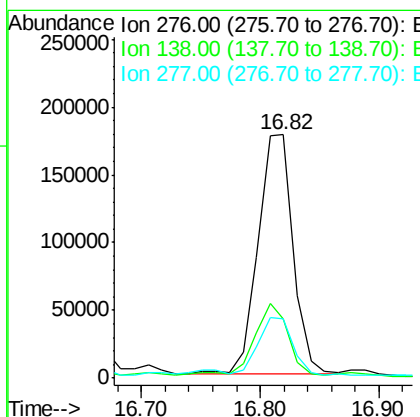
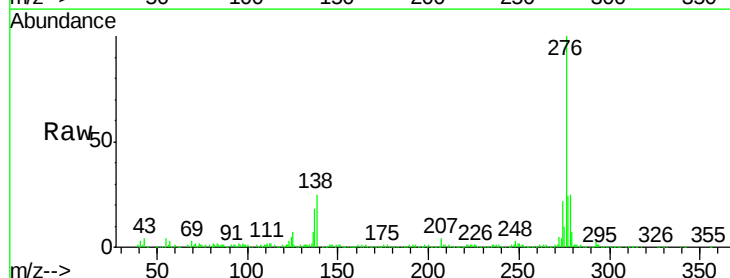
Instrument :
 BNA_F
 ClientSampleId :
 E2-AA5D-SWW

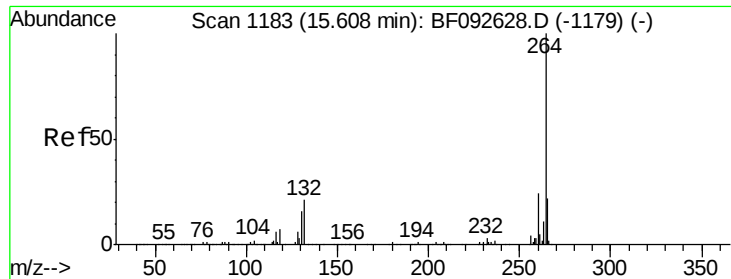
Tgt Ion:149 Resp: 72162
 Ion Ratio Lower Upper
 149 100
 167 25.9 20.2 30.4
 279 3.2 1.8 2.8#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 24.95 ng
 RT: 16.82 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

Tgt Ion:276 Resp: 363486
 Ion Ratio Lower Upper
 276 100
 138 29.9 21.8 32.6
 277 24.0 20.2 30.4

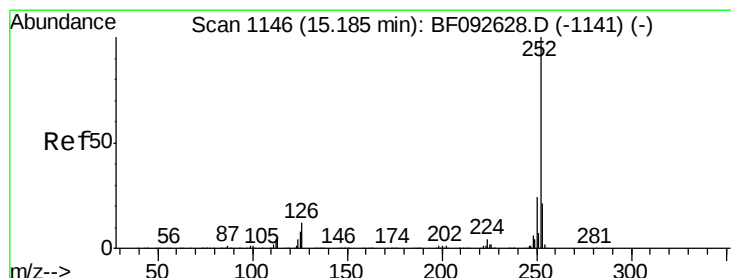
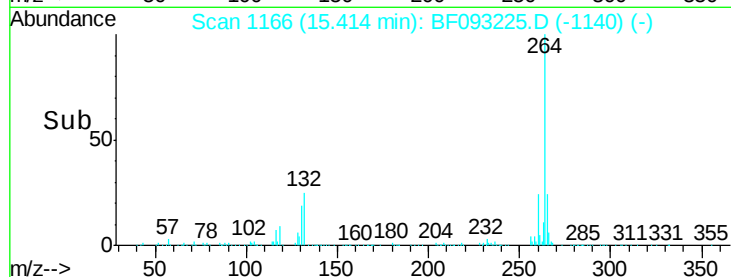
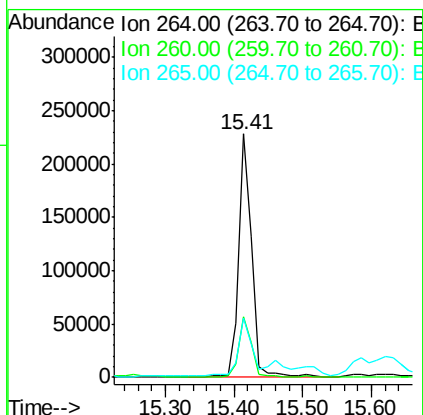
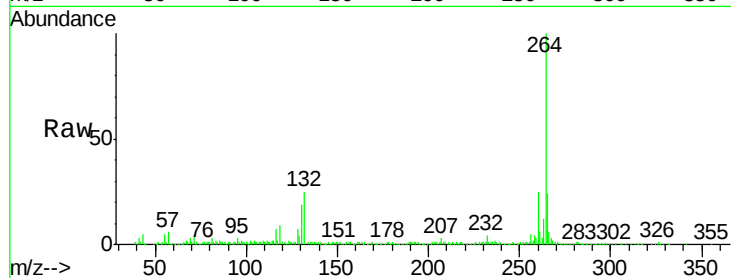




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

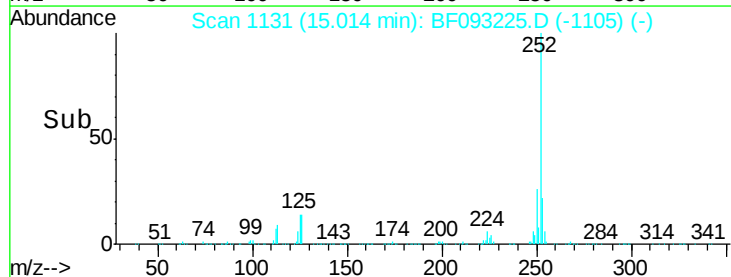
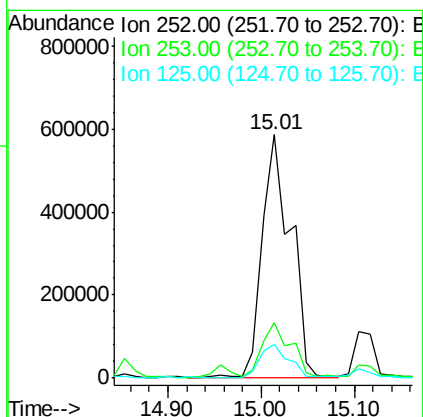
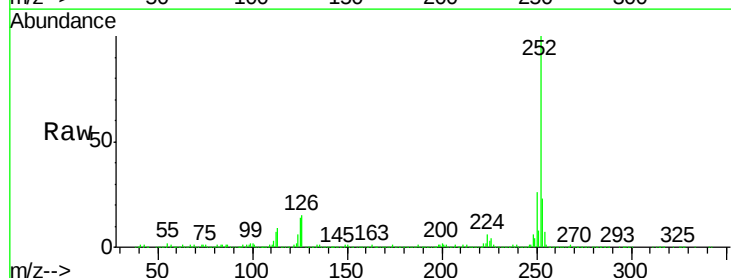
Instrument :
BNA_F
ClientSampleId :
E2-AA5D-SWW

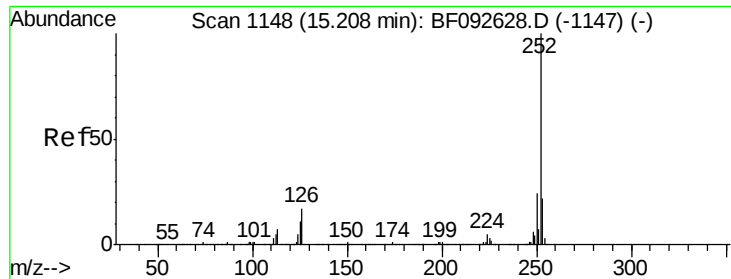
Tgt Ion:264 Resp: 299997
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 24.2 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 62.58 ng
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Tgt Ion:252 Resp: 1235608
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.4
125 13.9 9.8 14.6





#88

Benzo(k)fluoranthene

Concen: 72.47 ng

RT: 15.01 min Scan# 1131

Delta R.T. -0.02 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

ClientSampleId :

E2-AA5D-SWW

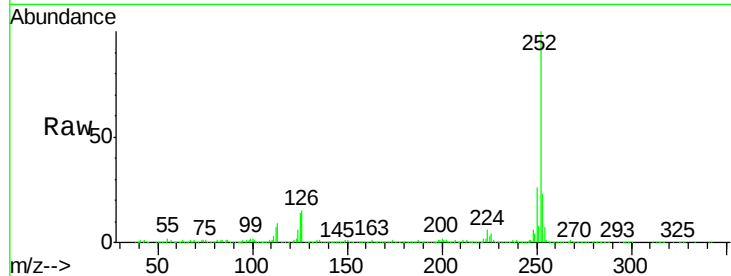
Tgt Ion:252 Resp: 1235608

Ion Ratio Lower Upper

252 100

253 22.6 18.5 27.7

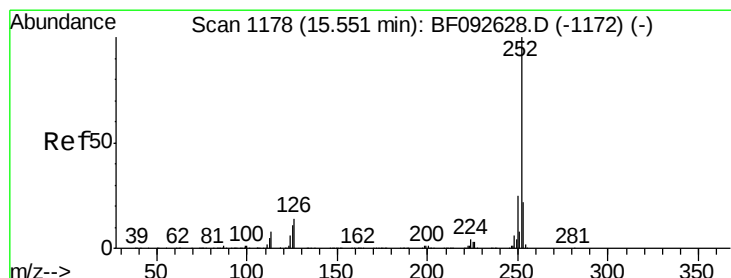
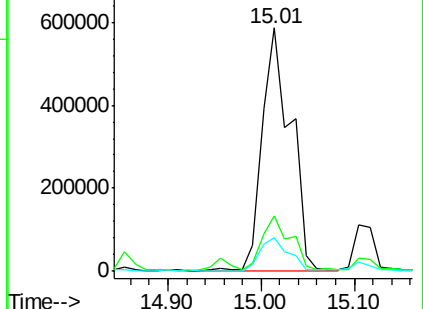
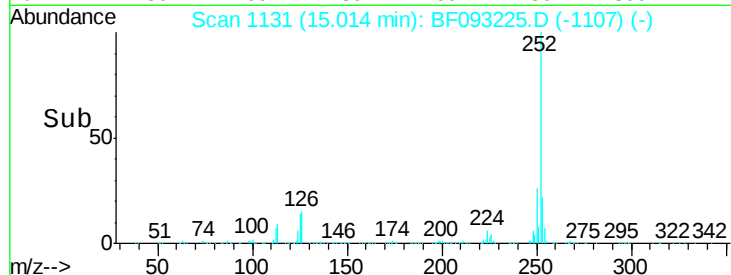
125 13.9 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 38.65 ng

RT: 15.36 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

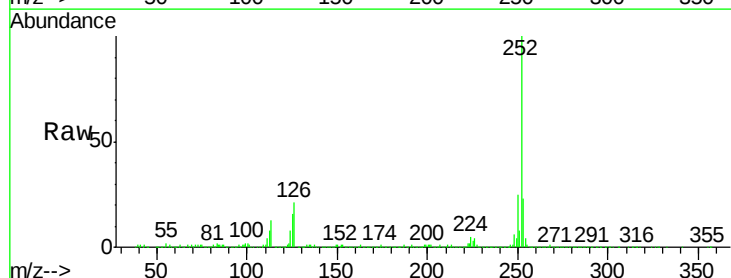
Tgt Ion:252 Resp: 660196

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

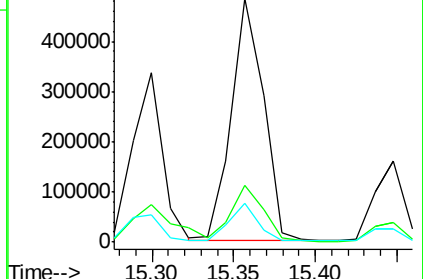
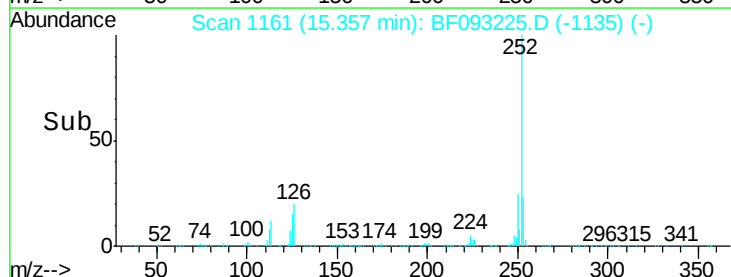
125 15.7 10.0 15.0#

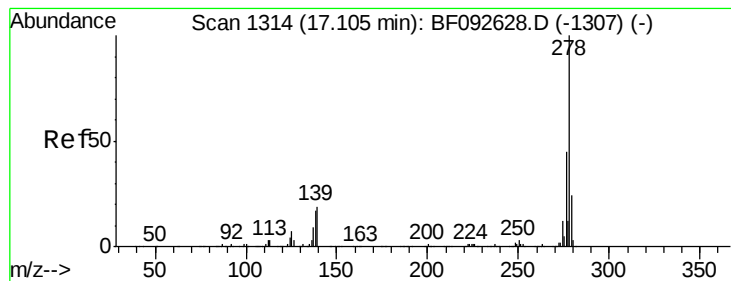


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.81 ng

RT: 16.98 min Scan# 1303

Delta R.T. 0.15 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

ClientSampleId :

E2-AA5D-SWW

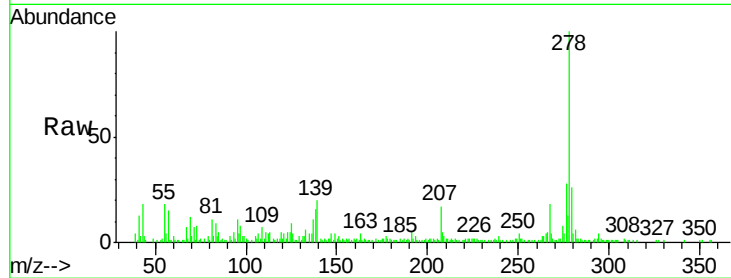
Tgt Ion:278 Resp: 80170

Ion Ratio Lower Upper

278 100

139 19.6 14.8 22.2

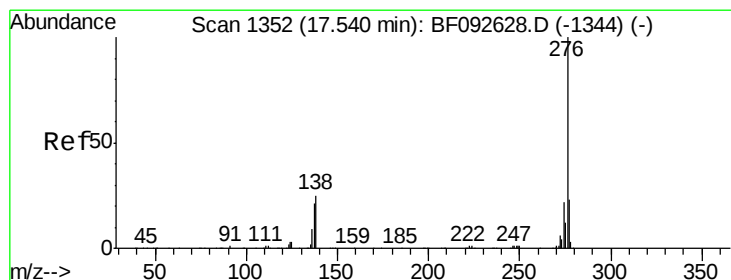
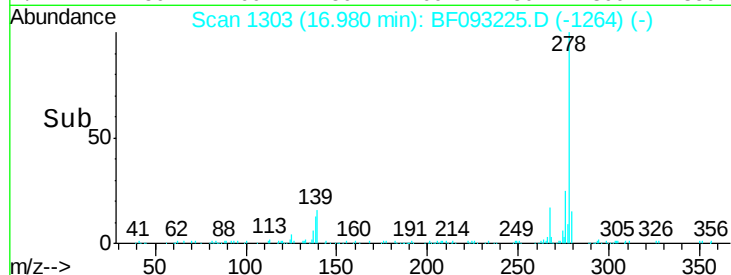
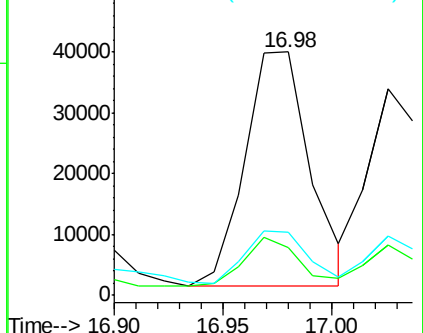
279 26.1 19.8 29.6



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: 24.69 ng

RT: 17.23 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

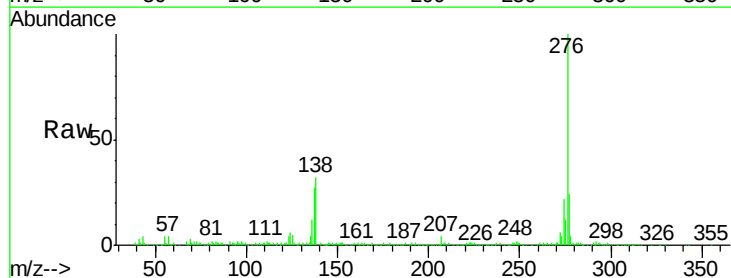
Tgt Ion:276 Resp: 344329

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 31.8 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

