

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030617\
 Data File : BF093407.D
 Acq On : 6 Mar 2017 18:13
 Operator : SJ/MA
 Sample : I2088-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-004-B

Quant Time: Mar 06 23:55:23 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

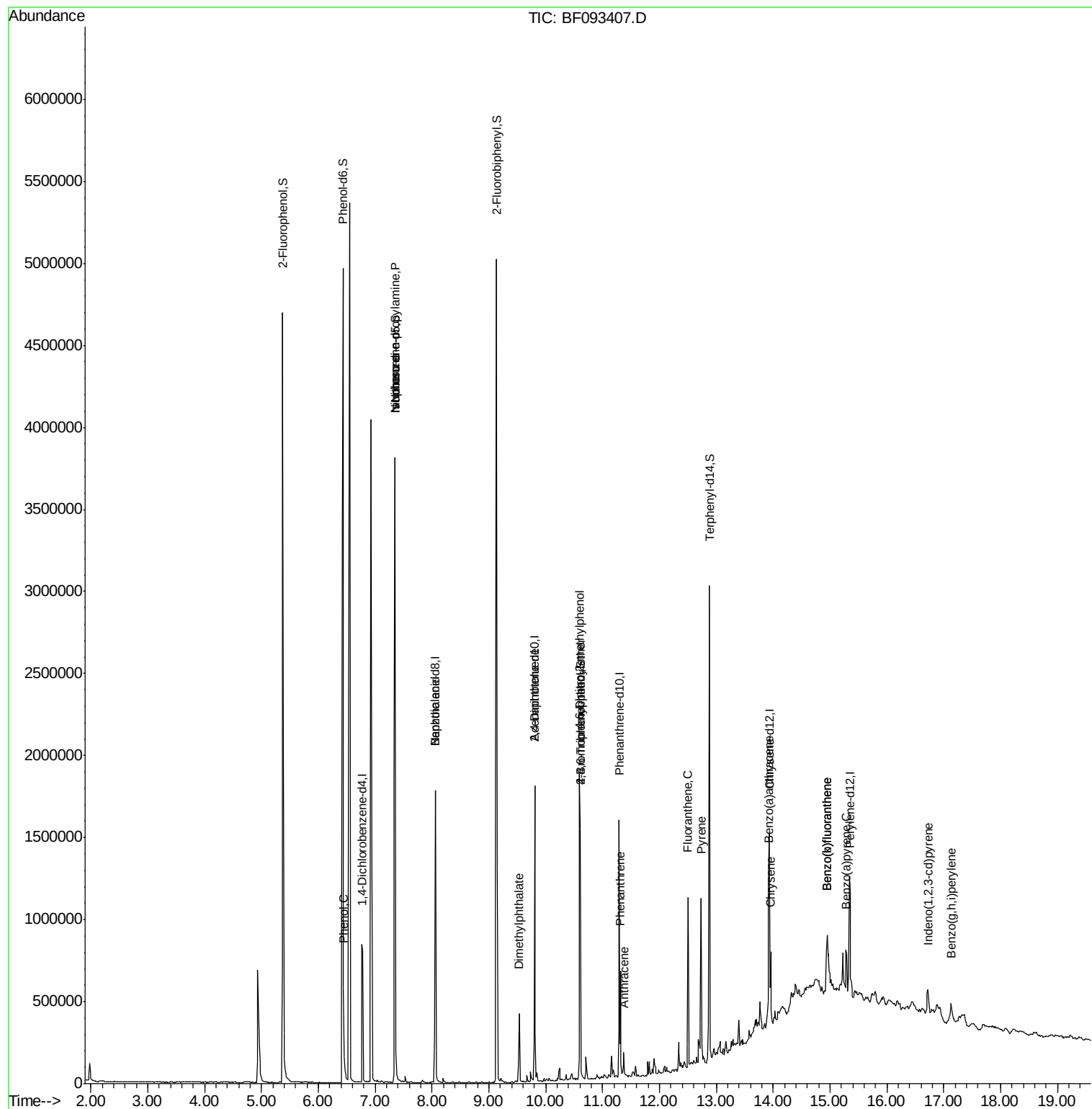
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	196386	20.00	ng	-0.07
21) Naphthalene-d8	8.06	136	769561	20.00	ng	-0.09
38) Acenaphthene-d10	9.81	164	339565	20.00	ng	-0.09
63) Phenanthrene-d10	11.29	188	540357	20.00	ng	-0.09
75) Chrysene-d12	13.93	240	408833	20.00	ng	-0.09
86) Perylene-d12	15.35	264	390234	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1581250	138.14	ng	-0.07
7) Phenol-d6	6.44	99	2215414	150.42	ng	-0.05
23) Nitrobenzene-d5	7.35	82	1413962	102.32	ng	-0.07
41) 2,4,6-Tribromophenol	10.61	330	309446	126.00	ng	-0.07
44) 2-Fluorobiphenyl	9.13	172	1796089	95.83	ng	-0.09
78) Terphenyl-d14	12.88	244	1302161	74.84	ng	-0.09
Target Compounds						Qvalue
10) Phenol	6.45	94	134202	7.79	ng	# 66
19) n-Nitroso-di-n-propylamine	7.35	70	191516	20.43	ng	# 81
25) Isophorone	7.35	82	1394760	54.16	ng	# 65
32) Benzoic acid	8.06	122	242	7.20	ng	# 1
49) Dimethylphthalate	9.53	163	172015	7.52	ng	99
56) 2,4-Dinitrotoluene	9.81	165	42847	6.52	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.60	198	762	2.89	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	22169	3.93	ng	# 1
70) Phenanthrene	11.32	178	227050	7.33	ng	97
71) Anthracene	11.37	178	71281	2.29	ng	95
74) Fluoranthene	12.50	202	382110	11.97	ng	98
77) Pyrene	12.73	202	397916	13.01	ng	98
80) Benzo(a)anthracene	13.92	228	204456	8.18	ng	100
82) Chrysene	13.96	228	137211	5.86	ng	97
85) Indeno(1,2,3-cd)pyrene	16.72	276	89282	4.92	ng	98
87) Benzo(b)fluoranthene	14.95	252	252802	9.84	ng	# 96
88) Benzo(k)fluoranthene	14.95	252	252802	11.40	ng	# 94
89) Benzo(a)pyrene	15.29	252	153155	6.89	ng	# 97
91) Benzo(g,h,i)perylene	17.13	276	79083	4.36	ng	# 90

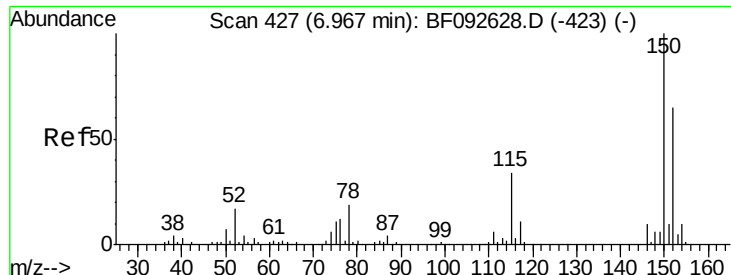
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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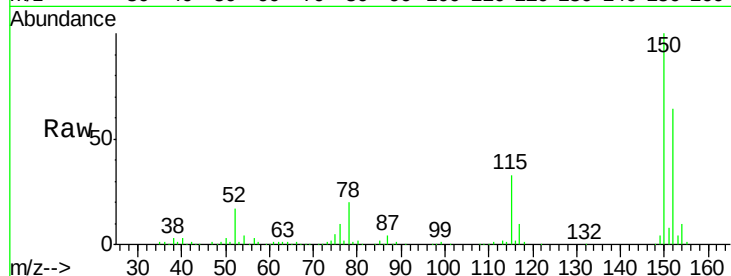




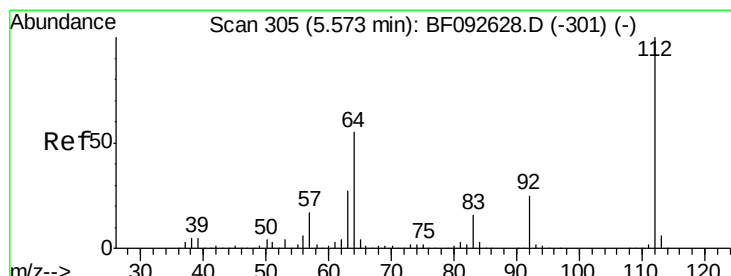
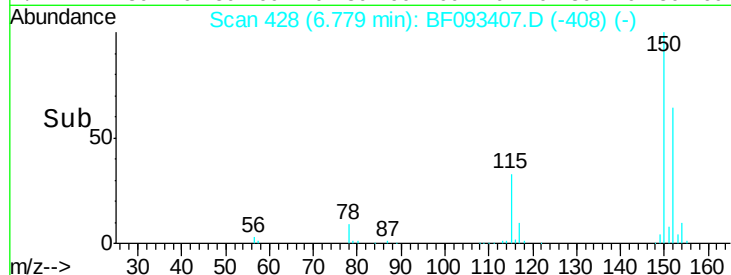
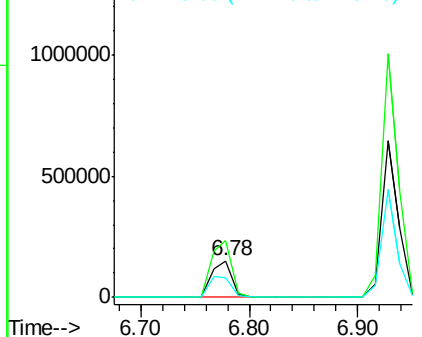
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 428
 Delta R.T. -0.07 min
 Lab File: BF093407.D
 Acq: 6 Mar 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-004-B

Tgt Ion:152 Resp: 196386
 Ion Ratio Lower Upper
 152 100
 150 155.2 124.9 187.3
 115 51.8 46.0 69.0

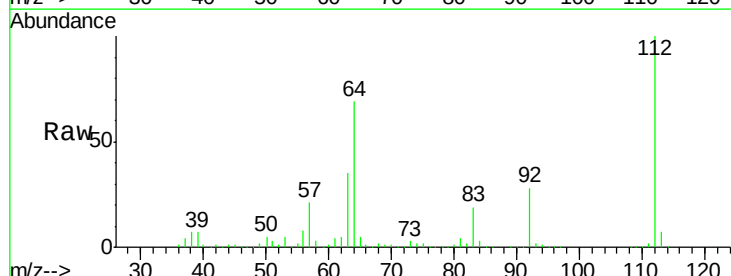


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

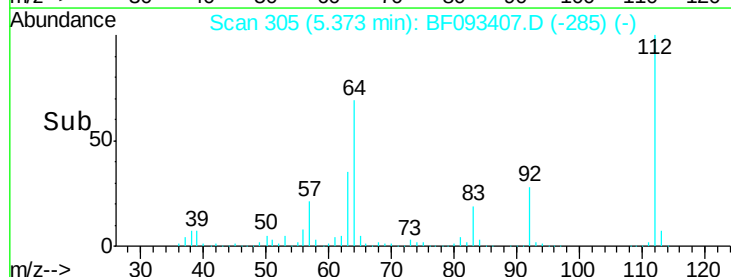
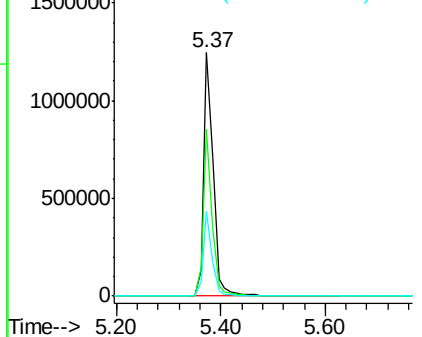


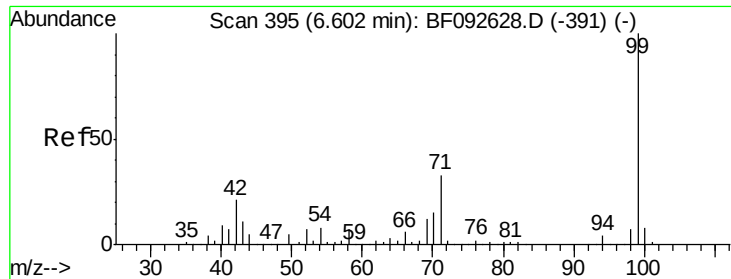
#5
 2-Fluorophenol
 Concen: 138.14 ng
 RT: 5.37 min Scan# 305
 Delta R.T. -0.07 min
 Lab File: BF093407.D
 Acq: 6 Mar 2017 18:13

Tgt Ion:112 Resp: 1581250
 Ion Ratio Lower Upper
 112 100
 64 68.6 46.1 69.1
 63 34.6 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: 150.42 ng

RT: 6.44 min Scan# 398

Delta R.T. -0.05 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

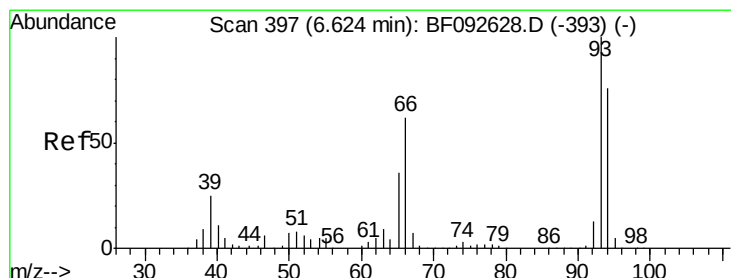
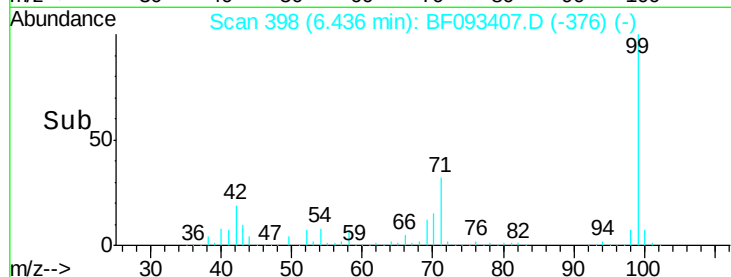
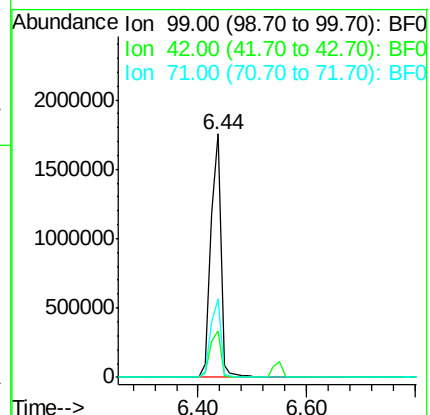
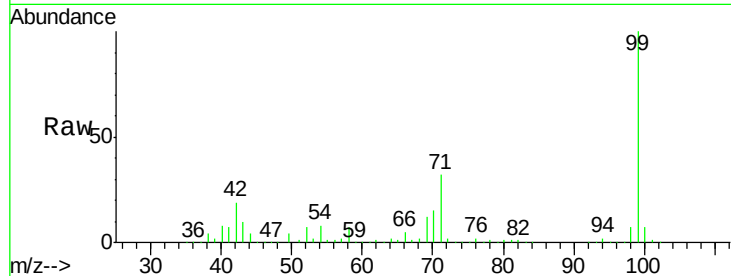
Tgt Ion: 99 Resp: 2215414

Ion Ratio Lower Upper

99 100

42 18.9 15.6 23.4

71 32.1 27.5 41.3



#10

Phenol

Concen: 7.79 ng

RT: 6.45 min Scan# 399

Delta R.T. -0.06 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

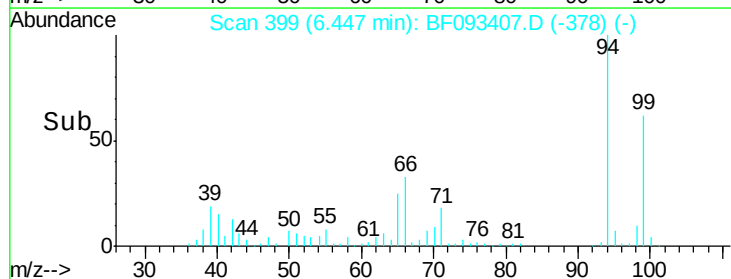
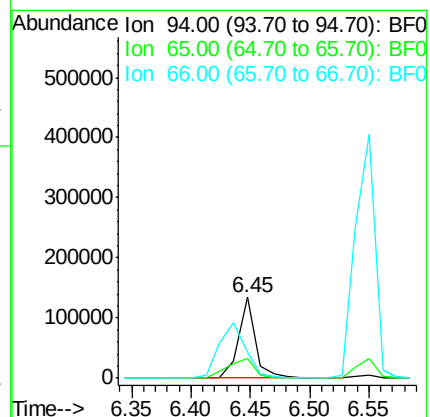
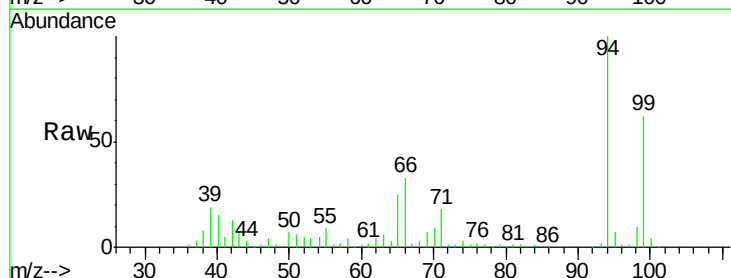
Tgt Ion: 94 Resp: 134202

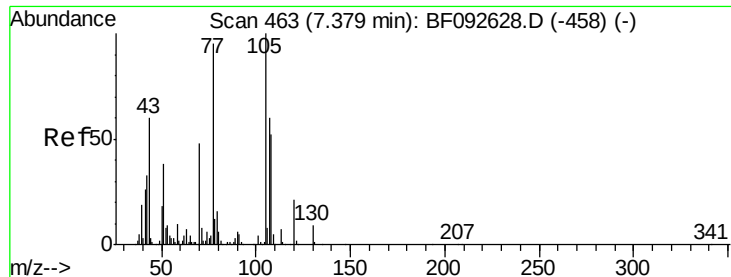
Ion Ratio Lower Upper

94 100

65 24.7 21.4 61.4

66 33.1 44.0 84.0#

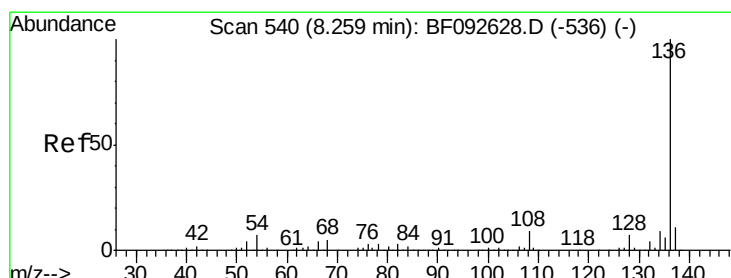
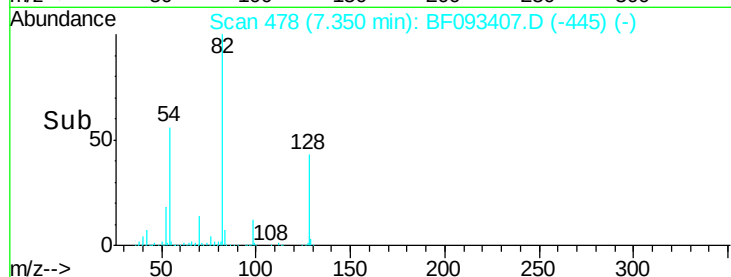
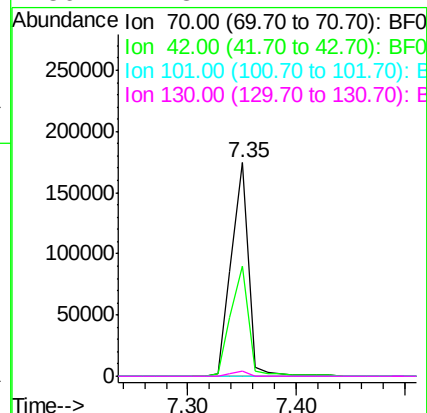
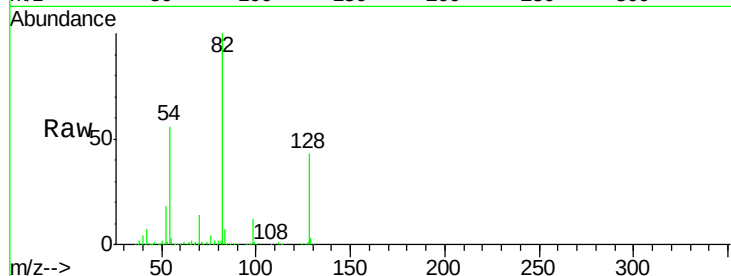




#19
n-Nitroso-di-n-propylamine
Concen: 20.43 ng
RT: 7.35 min Scan# 478
Delta R.T. 0.07 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

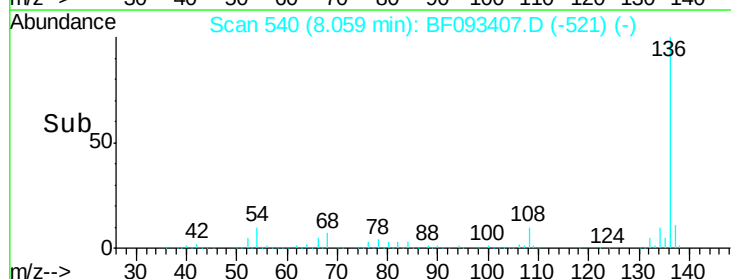
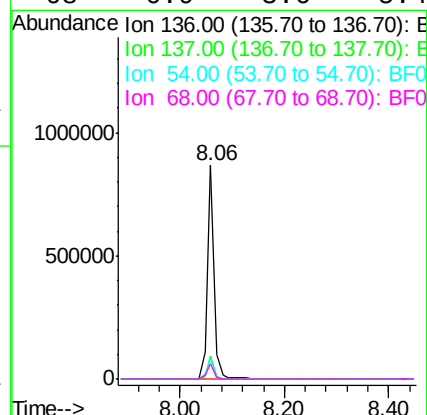
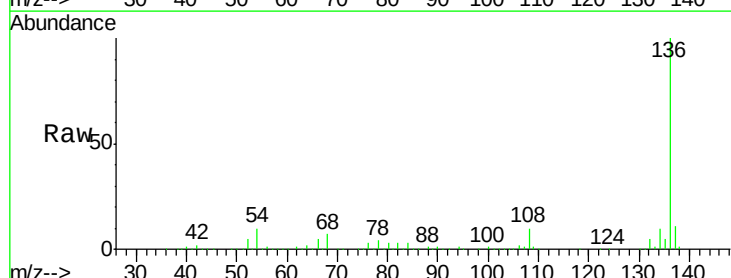
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

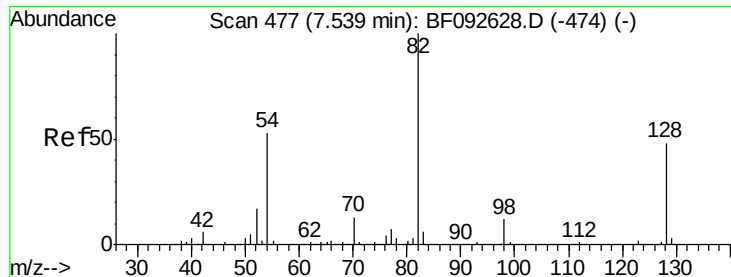
Tgt Ion: 70 Resp: 191516
Ion Ratio Lower Upper
70 100
42 51.4 49.4 74.0
101 0.0 7.4 11.2#
130 2.3 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 540
Delta R.T. -0.09 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

Tgt Ion: 136 Resp: 769561
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 9.8 4.5 6.7#
68 6.9 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 102.32 ng

RT: 7.35 min Scan# 478

Delta R.T. -0.07 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

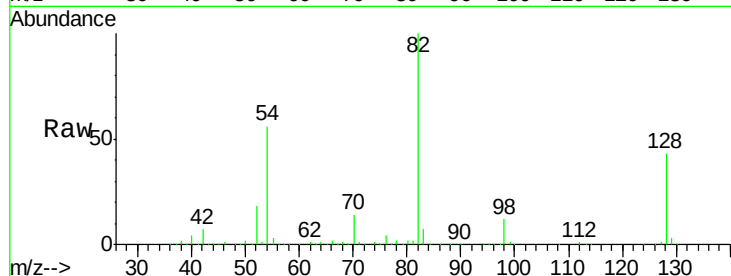
Tgt Ion: 82 Resp: 1413962

Ion Ratio Lower Upper

82 100

128 43.0 34.6 52.0

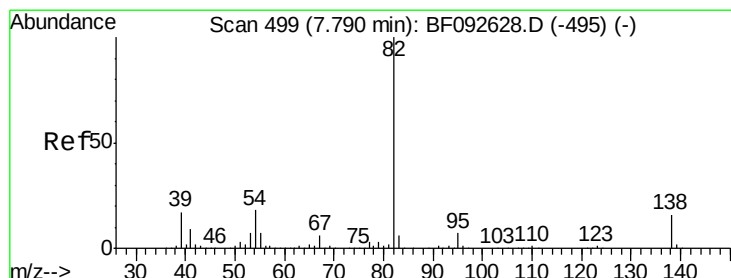
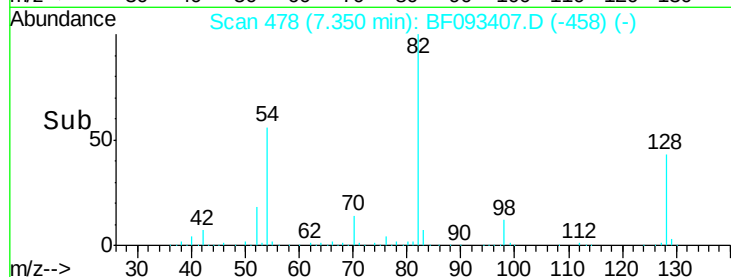
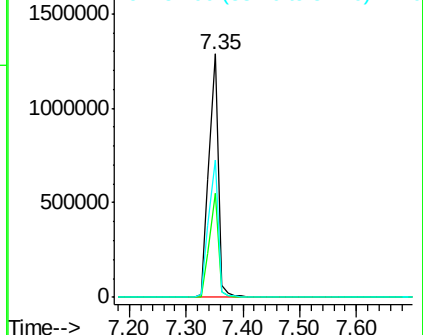
54 56.3 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 54.16 ng

RT: 7.35 min Scan# 478

Delta R.T. -0.34 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

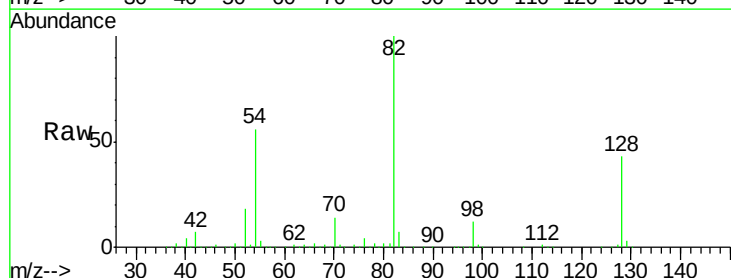
Tgt Ion: 82 Resp: 1394760

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

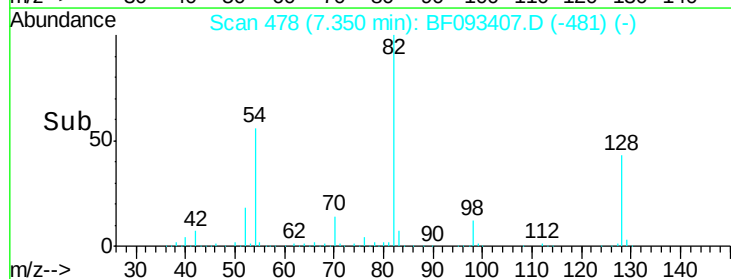
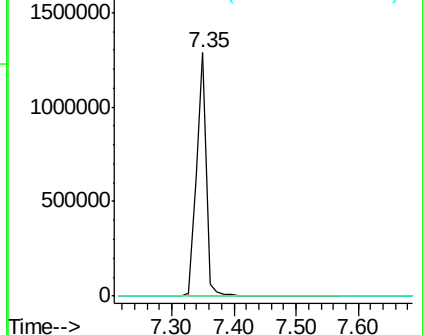
138 0.0 14.6 22.0#

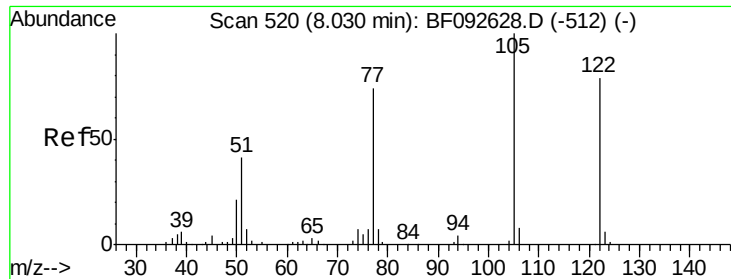


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

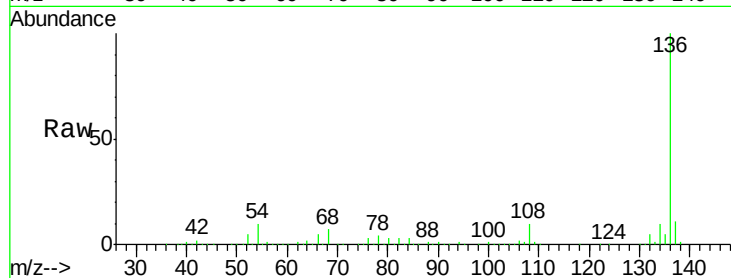




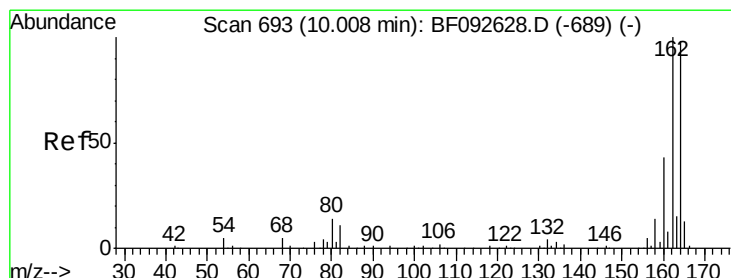
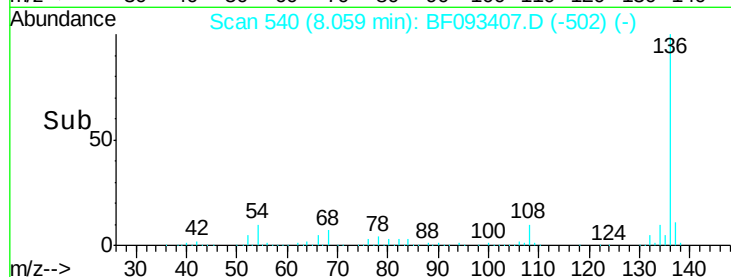
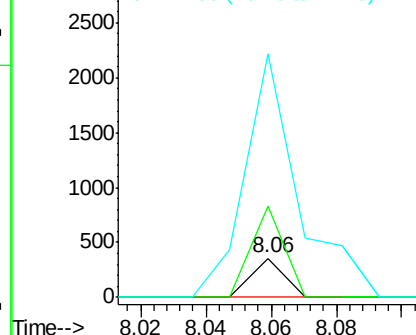
#32
Benzoic acid
Concen: 7.20 ng
RT: 8.06 min Scan# 540
Delta R.T. 0.13 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

Instrument :
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ClientSampleId :
FK-GF-02-004-B

Tgt Ion:122 Resp: 242
Ion Ratio Lower Upper
122 100
105 234.6 107.2 147.2#
77 628.3 74.5 114.5#

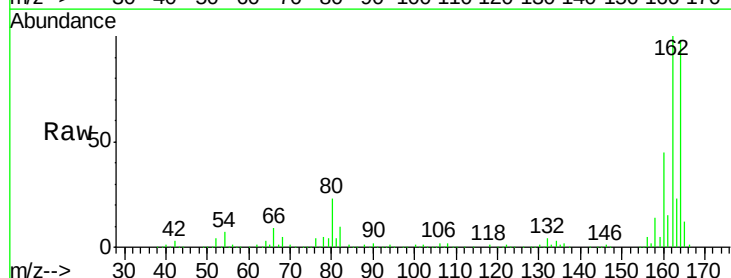


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

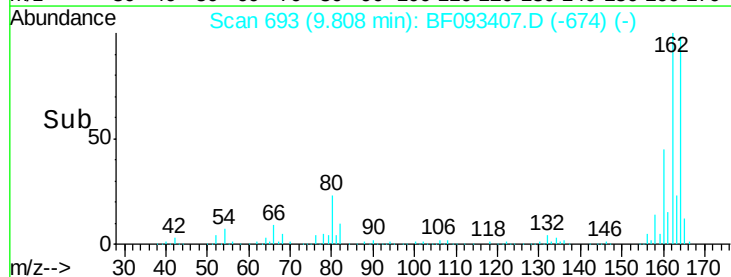
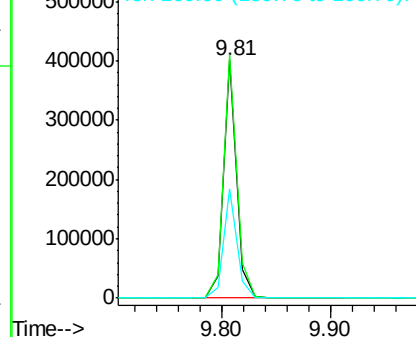


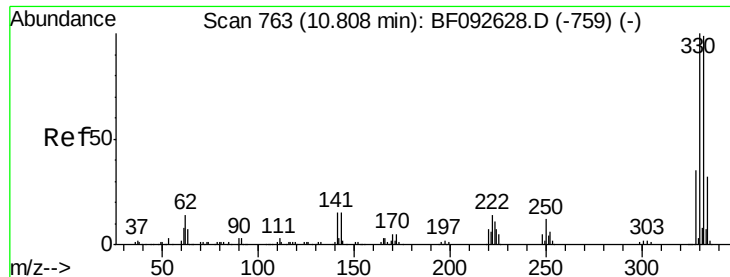
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 693
Delta R.T. -0.09 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

Tgt Ion:164 Resp: 339565
Ion Ratio Lower Upper
164 100
162 102.1 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

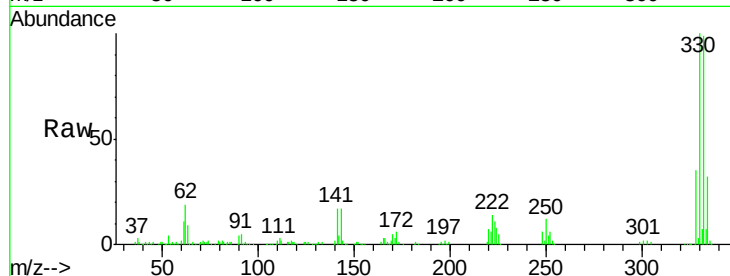




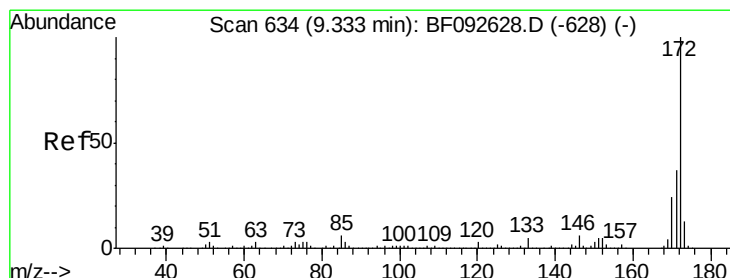
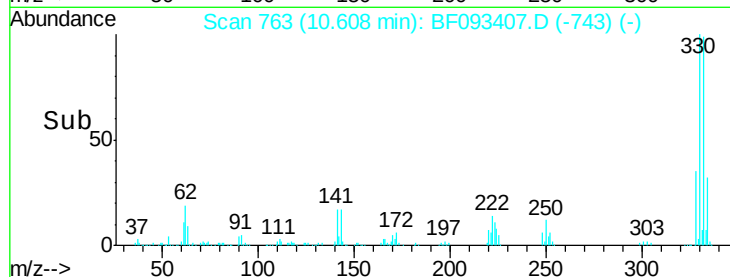
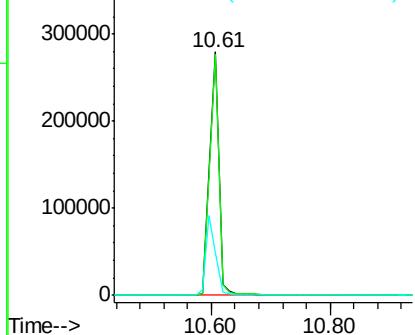
#41
 2,4,6-Tribromophenol
 Concen: 126.00 ng
 RT: 10.61 min Scan# 763
 Delta R.T. -0.07 min
 Lab File: BF093407.D
 Acq: 6 Mar 2017 18:13

Instrument :
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 FK-GF-02-004-B

Tgt Ion:330 Resp: 309446
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.4 116.2
 141 34.3 34.1 51.1

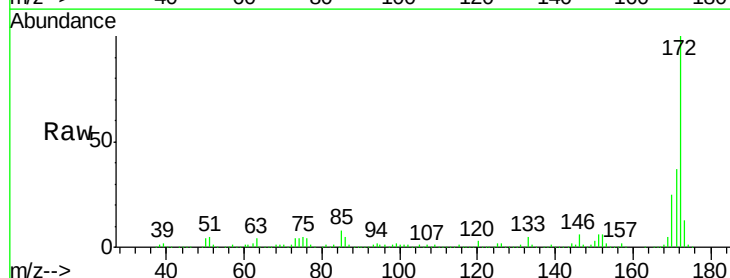


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

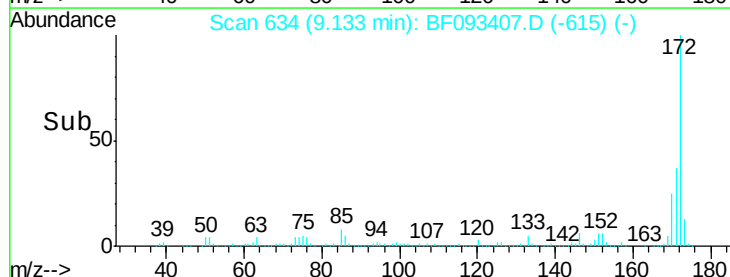
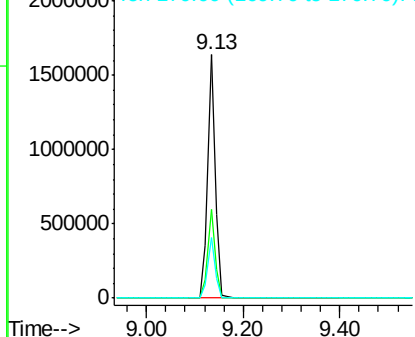


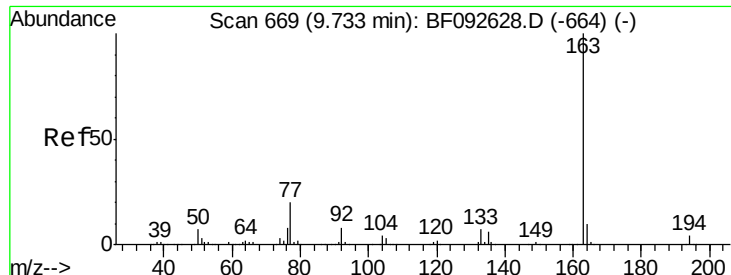
#44
 2-Fluorobiphenyl
 Concen: 95.83 ng
 RT: 9.13 min Scan# 634
 Delta R.T. -0.09 min
 Lab File: BF093407.D
 Acq: 6 Mar 2017 18:13

Tgt Ion:172 Resp: 1796089
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 24.6 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





#49

Dimethylphthalate

Concen: 7.52 ng

RT: 9.53 min Scan# 669

Delta R.T. -0.09 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

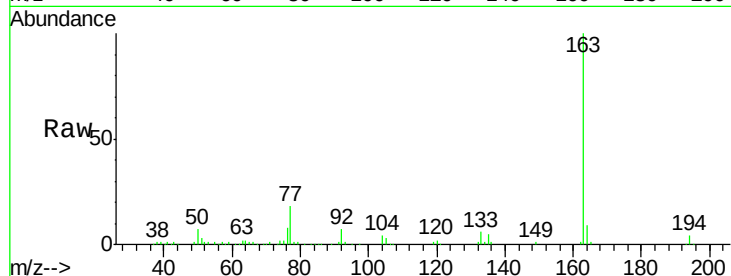
Tgt Ion:163 Resp: 172015

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

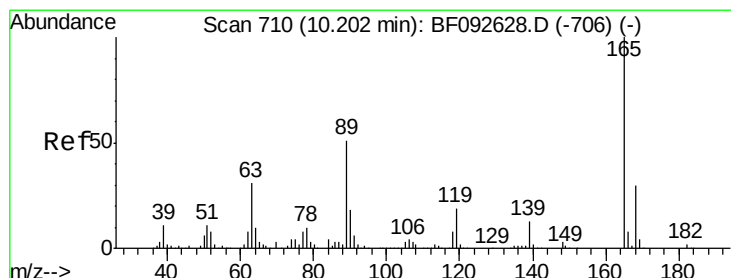
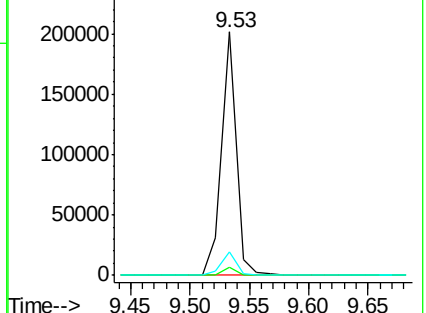
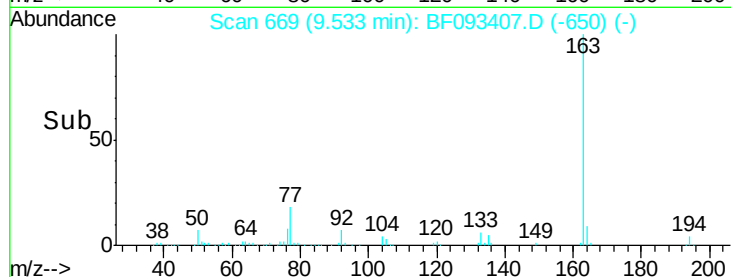
164 9.4 8.0 12.0



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



#56

2,4-Dinitrotoluene

Concen: 6.52 ng

RT: 9.81 min Scan# 693

Delta R.T. -0.28 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

Tgt Ion:165 Resp: 42847

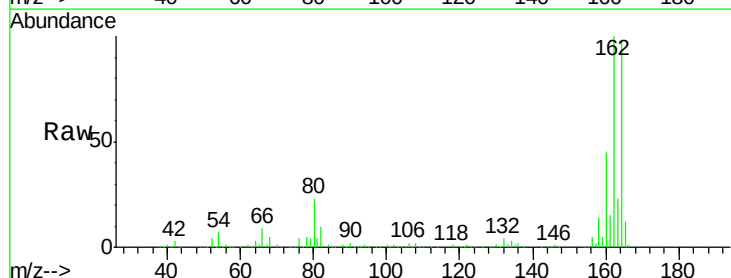
Ion Ratio Lower Upper

165 100

63 1.5 40.2 60.4#

89 1.2 62.5 93.7#

182 0.0 1.8 2.8#

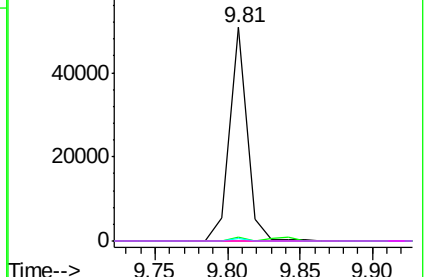
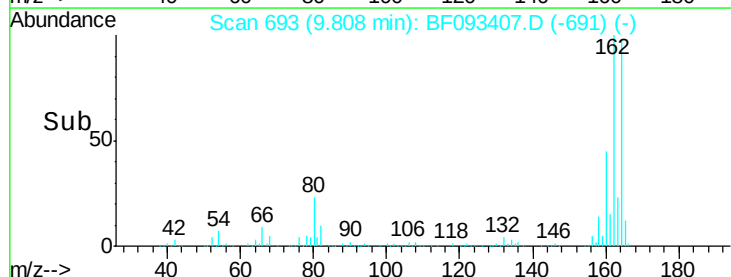


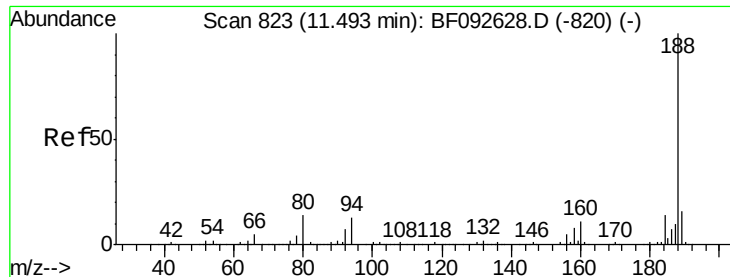
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

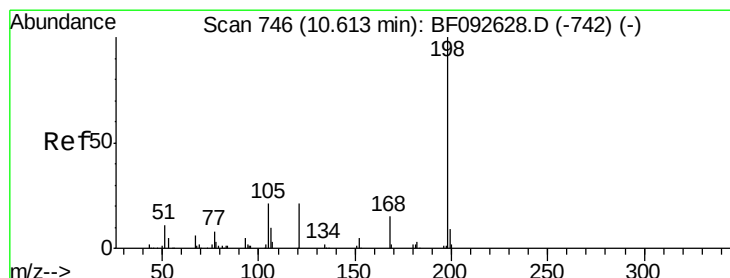
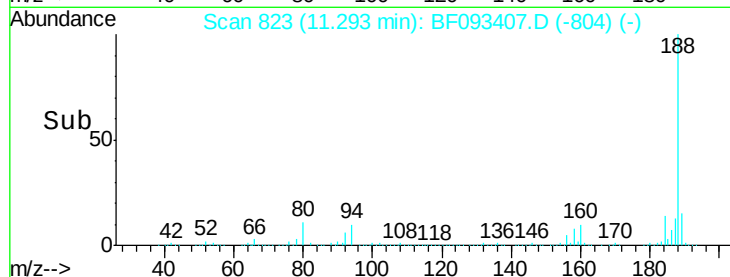
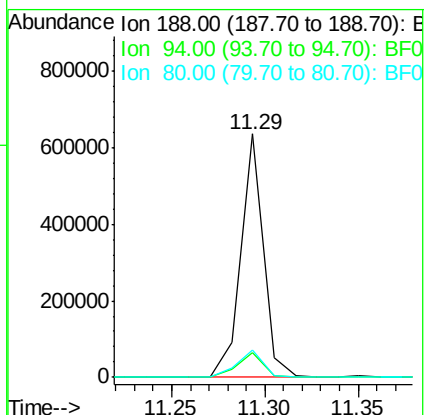
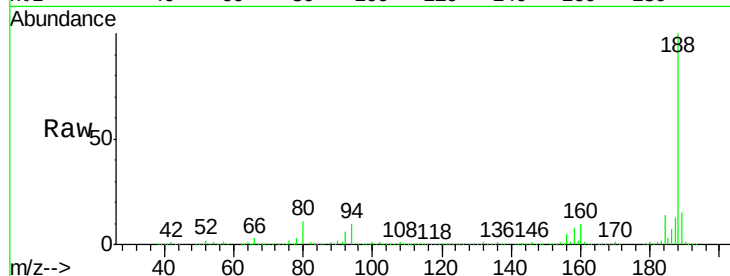




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 823
Delta R.T. -0.09 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

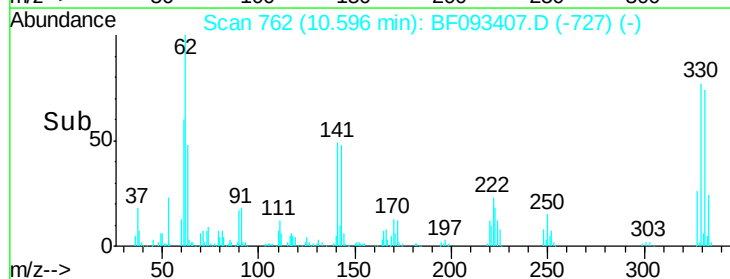
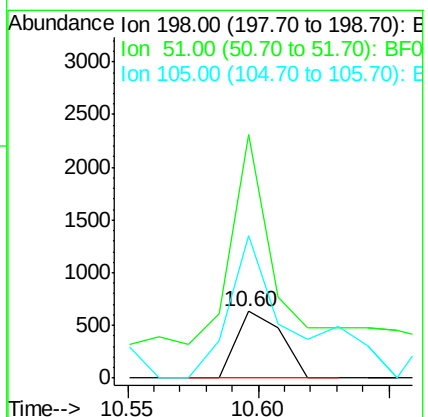
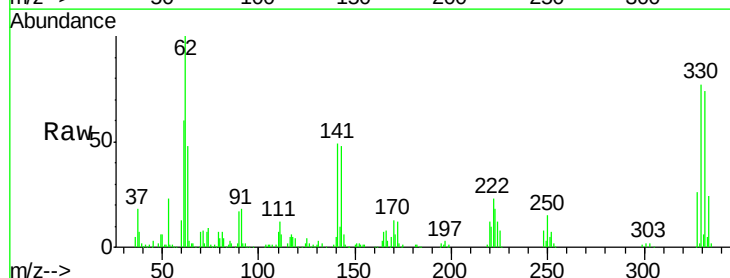
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

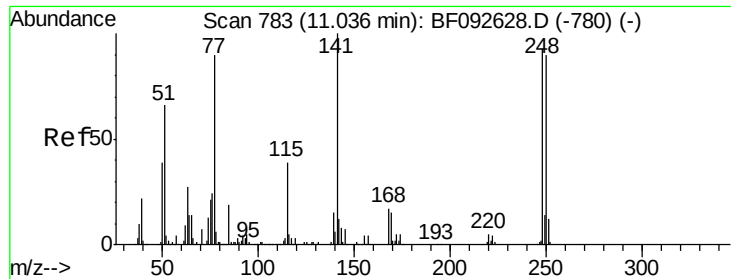
Tgt Ion:188 Resp: 540357
Ion Ratio Lower Upper
188 100
94 10.4 10.0 15.0
80 11.1 11.2 16.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 2.89 ng
RT: 10.60 min Scan# 762
Delta R.T. 0.10 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

Tgt Ion:198 Resp: 762
Ion Ratio Lower Upper
198 100
51 366.7 6.7 46.7#
105 215.2 16.6 56.6#

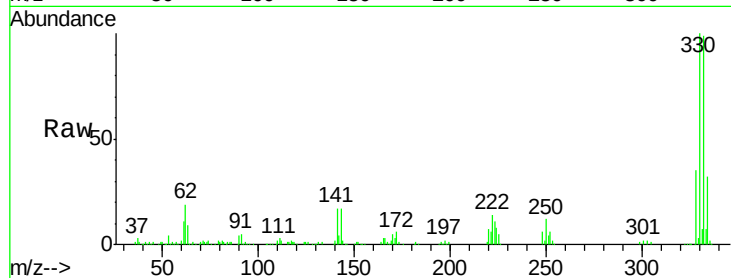




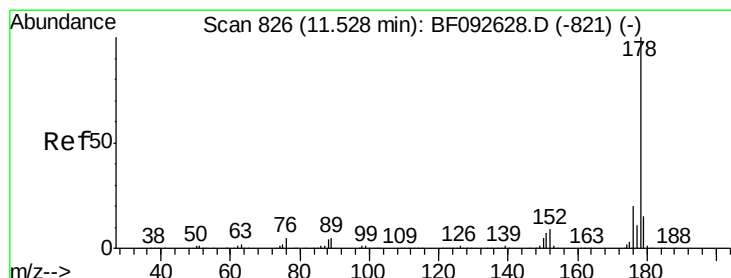
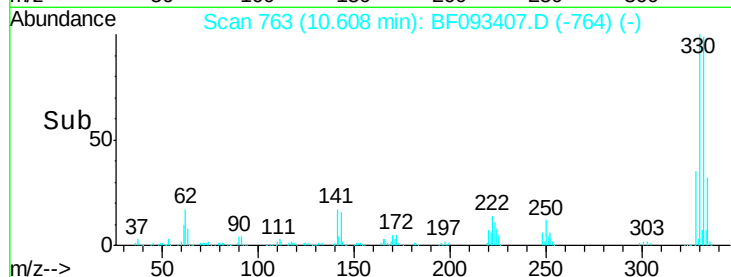
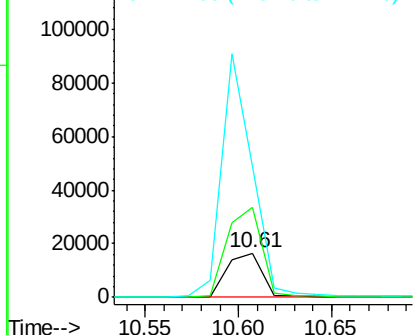
#66
 4-Bromophenyl-phenylether
 Concen: 3.93 ng
 RT: 10.61 min Scan# 763
 Delta R.T. -0.31 min
 Lab File: BF093407.D
 Acq: 6 Mar 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-004-B

Tgt Ion:248 Resp: 22169
 Ion Ratio Lower Upper
 248 100
 250 202.9 76.9 115.3#
 141 295.1 68.2 102.4#

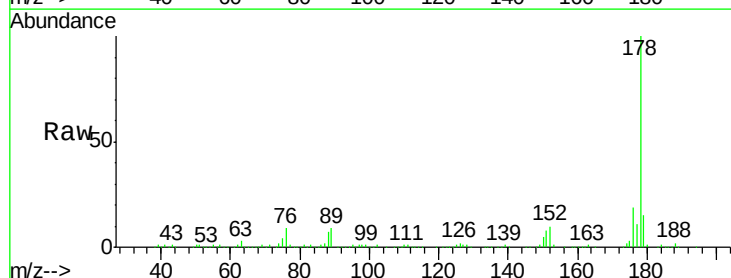


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

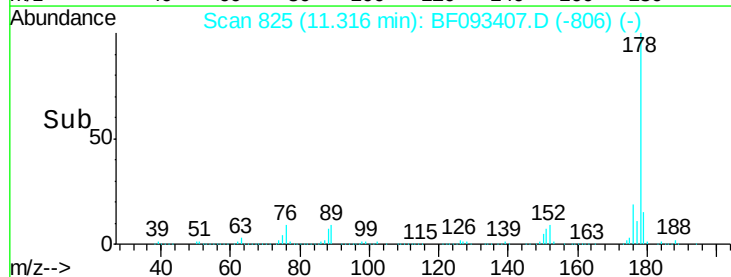
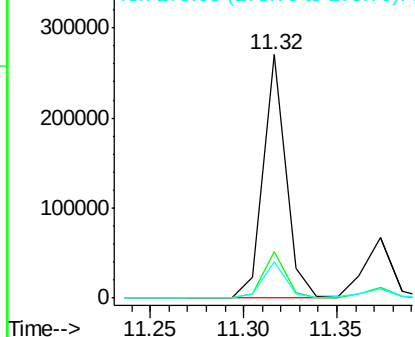


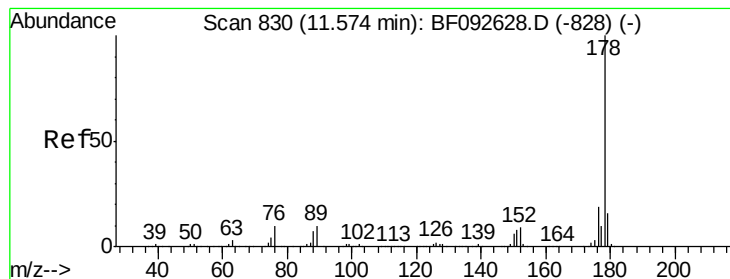
#70
 Phenanthrene
 Concen: 7.33 ng
 RT: 11.32 min Scan# 825
 Delta R.T. -0.09 min
 Lab File: BF093407.D
 Acq: 6 Mar 2017 18:13

Tgt Ion:178 Resp: 227050
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.6 25.0
 179 15.1 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: 2.29 ng

RT: 11.37 min Scan# 830

Delta R.T. -0.09 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

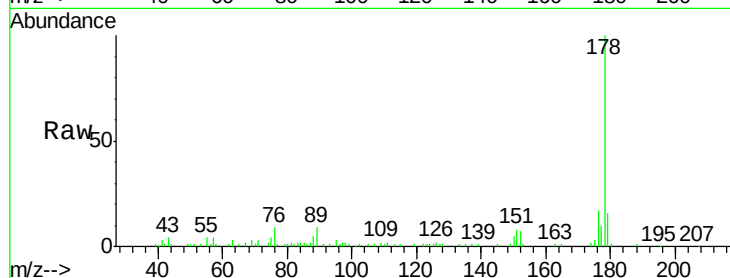
Tgt Ion:178 Resp: 71281

Ion Ratio Lower Upper

178 100

176 16.7 15.9 23.9

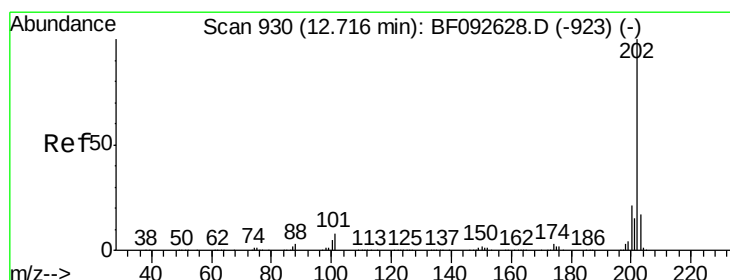
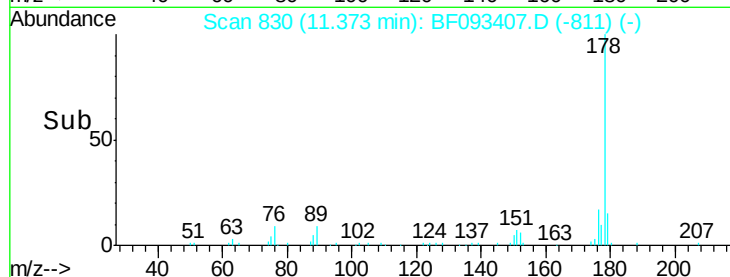
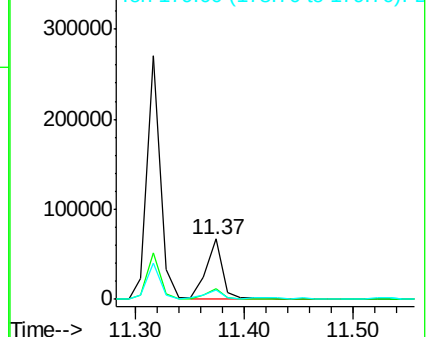
179 15.7 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 11.97 ng

RT: 12.50 min Scan# 929

Delta R.T. -0.09 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

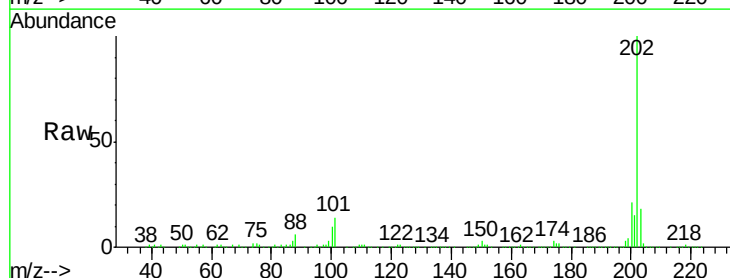
Tgt Ion:202 Resp: 382110

Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.6

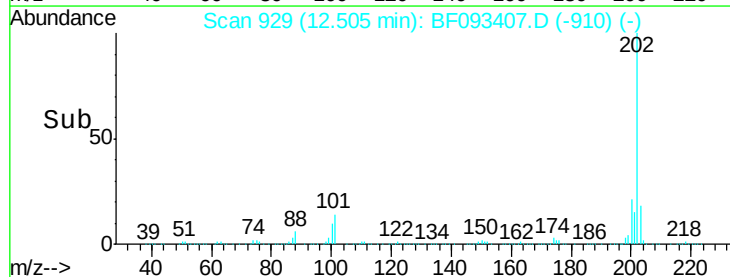
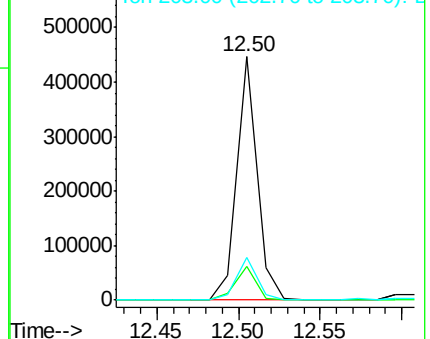
203 17.7 0.0 38.7

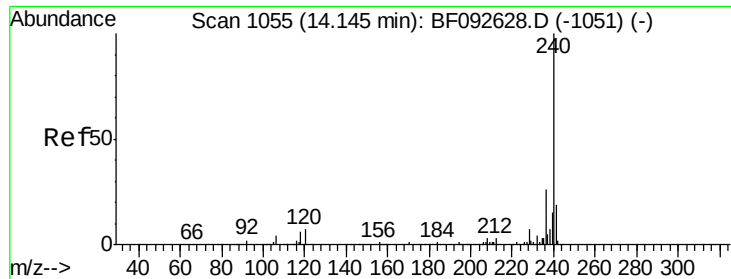


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

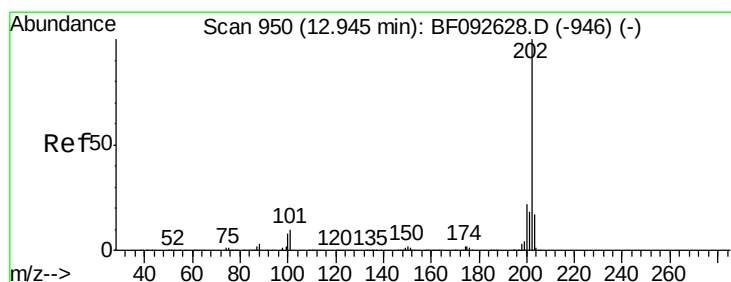
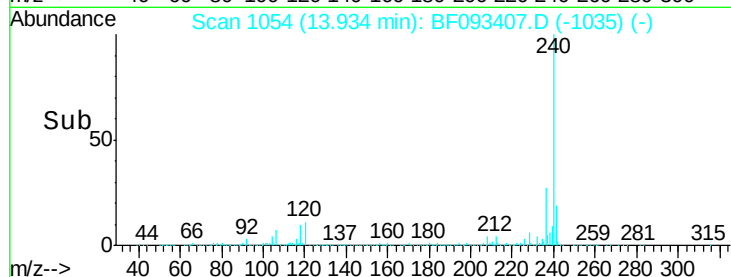
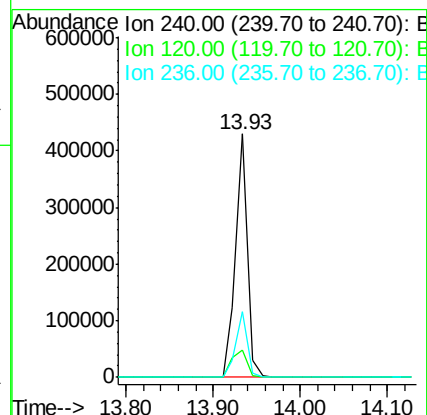
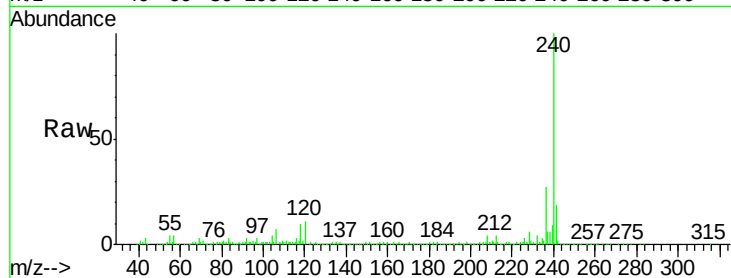




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1054
Delta R.T. -0.09 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

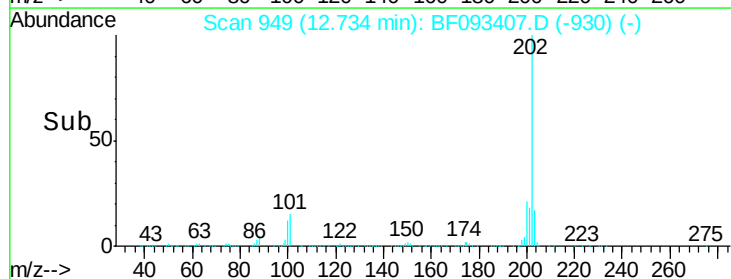
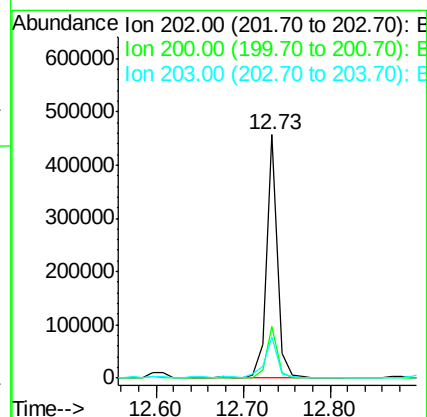
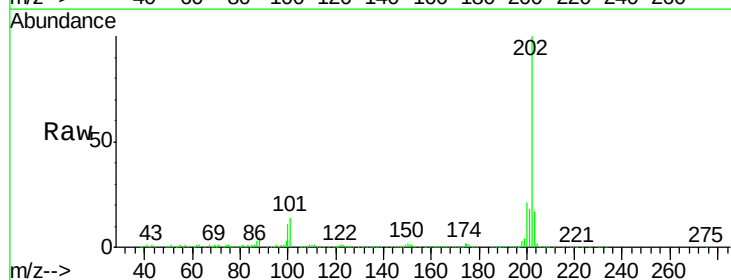
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

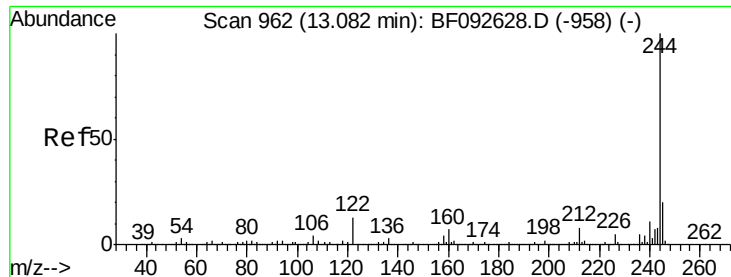
Tgt Ion:240 Resp: 408833
Ion Ratio Lower Upper
240 100
120 11.0 12.9 19.3#
236 26.9 20.9 31.3



#77
Pyrene
Concen: 13.01 ng
RT: 12.73 min Scan# 949
Delta R.T. -0.09 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

Tgt Ion:202 Resp: 397916
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 17.0 14.7 22.1

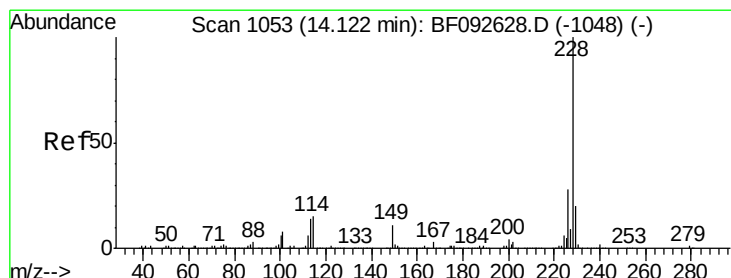
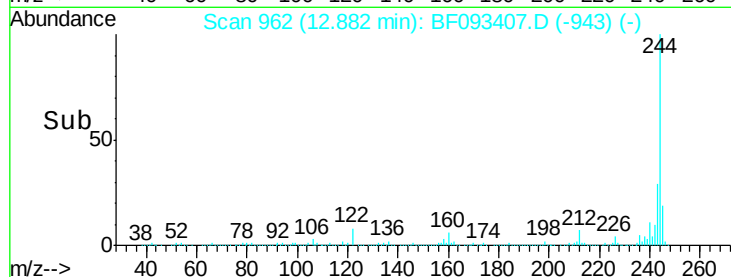
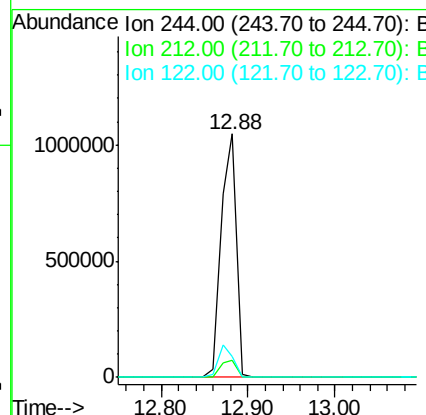
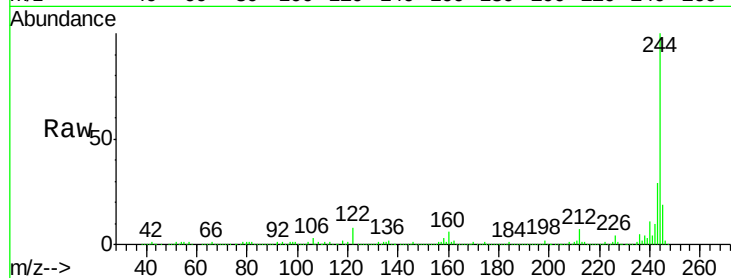




#78
 Terphenyl-d14
 Concen: 74.84 ng
 RT: 12.88 min Scan# 962
 Delta R.T. -0.09 min
 Lab File: BF093407.D
 Acq: 6 Mar 2017 18:13

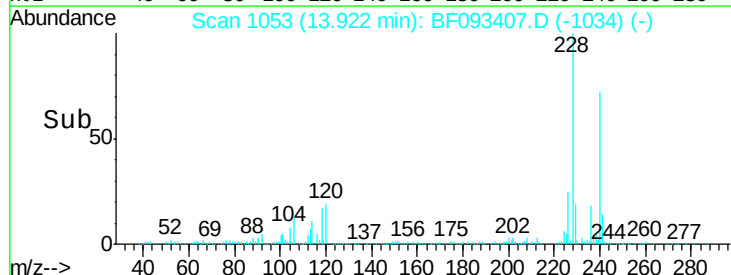
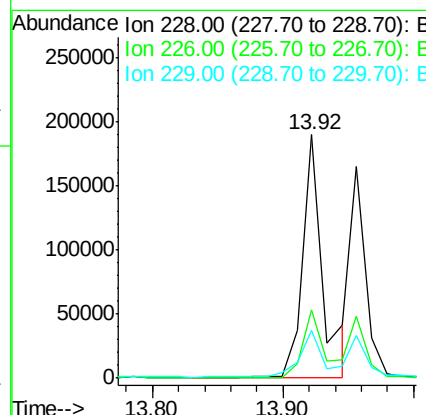
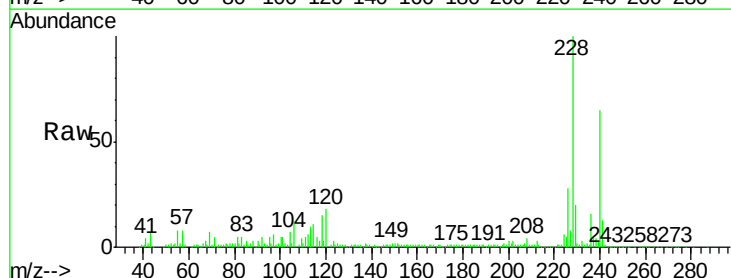
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-004-B

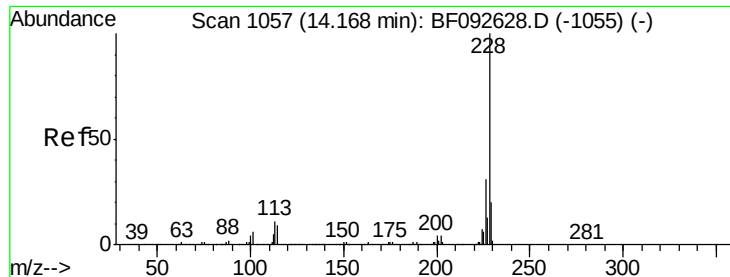
Tgt Ion:244 Resp: 1302161
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.2 9.2
 122 8.4 11.4 17.2#



#80
 Benzo(a)anthracene
 Concen: 8.18 ng
 RT: 13.92 min Scan# 1053
 Delta R.T. -0.09 min
 Lab File: BF093407.D
 Acq: 6 Mar 2017 18:13

Tgt Ion:228 Resp: 204456
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.4 33.6
 229 19.8 16.2 24.4





#82

Chrysene

Concen: 5.86 ng

RT: 13.96 min Scan# 1056

Delta R.T. -0.09 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

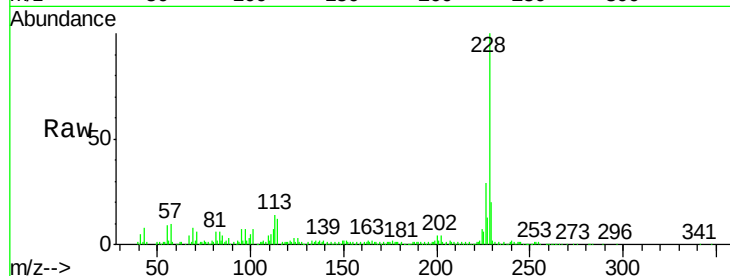
Tgt Ion:228 Resp: 137211

Ion Ratio Lower Upper

228 100

226 29.4 25.4 38.0

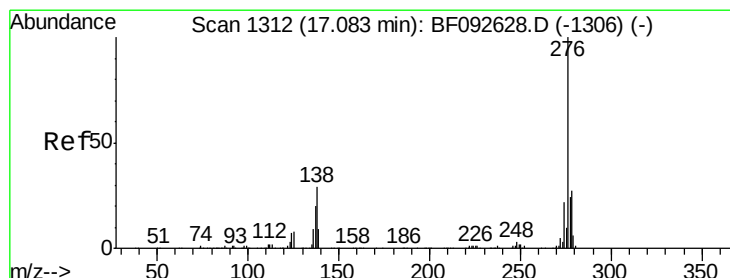
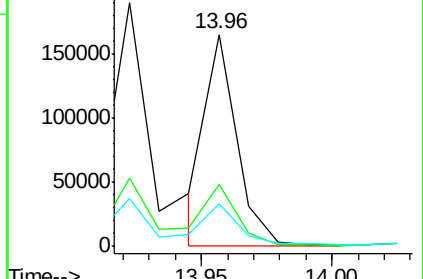
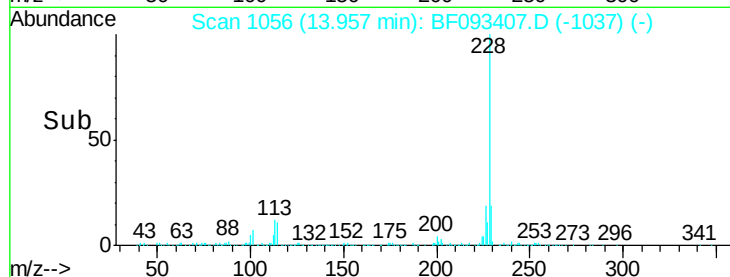
229 20.2 16.2 24.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.92 ng

RT: 16.72 min Scan# 1298

Delta R.T. -0.13 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

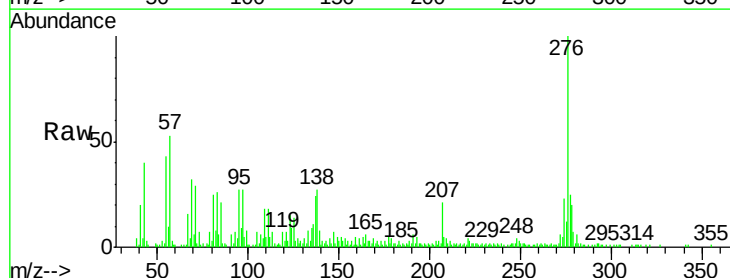
Tgt Ion:276 Resp: 89282

Ion Ratio Lower Upper

276 100

138 28.0 21.8 32.6

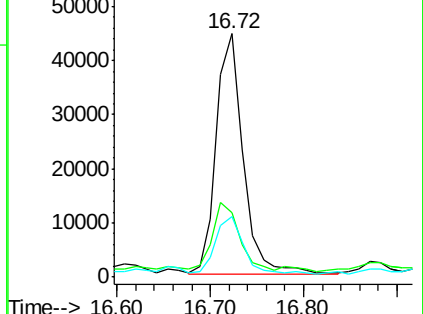
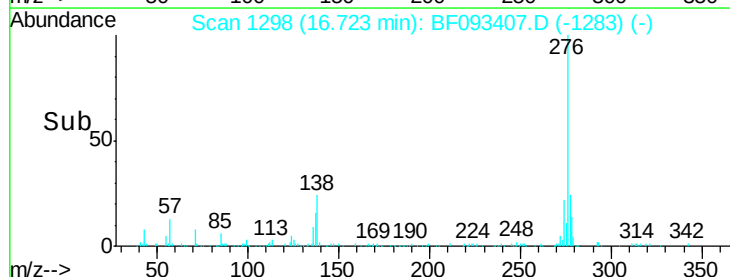
277 24.5 20.2 30.4

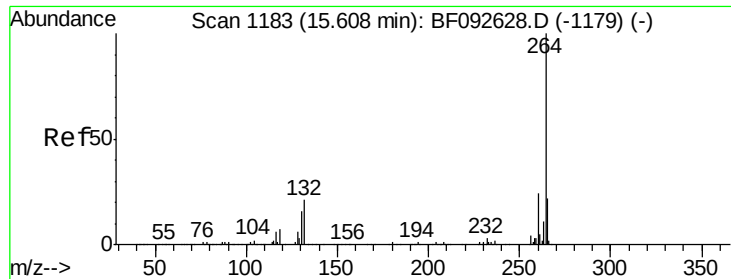


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

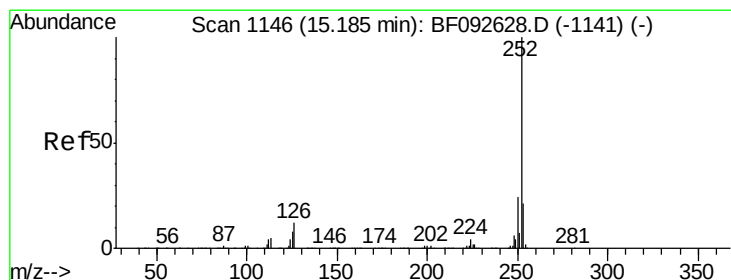
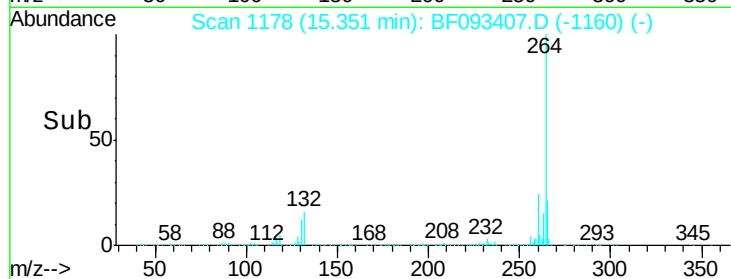
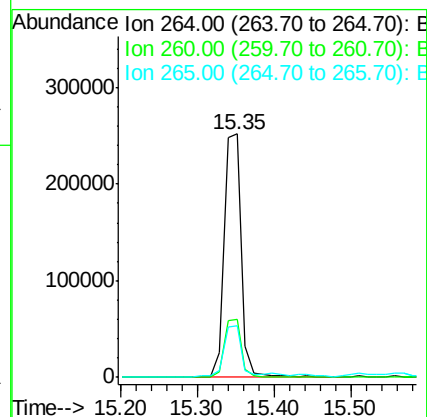
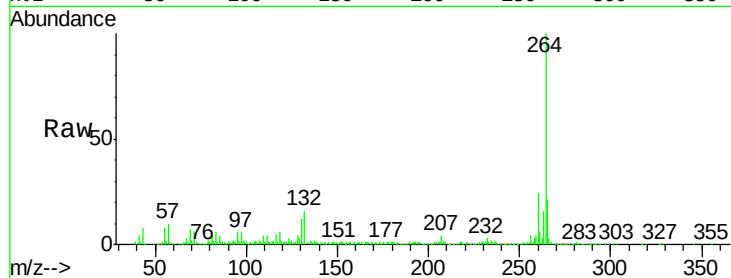




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1178
Delta R.T. -0.10 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

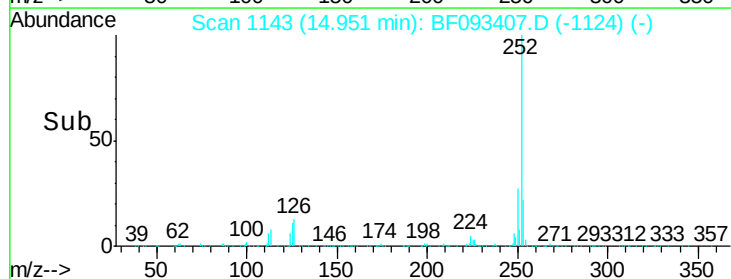
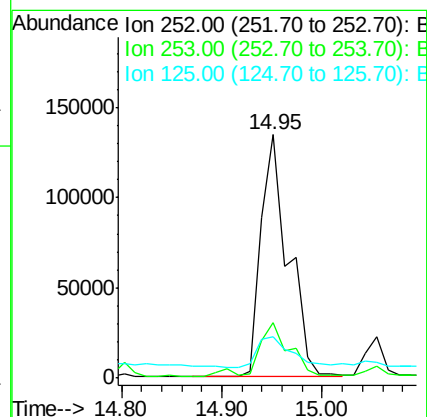
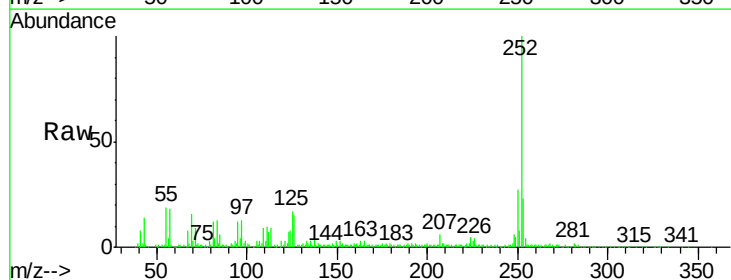
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

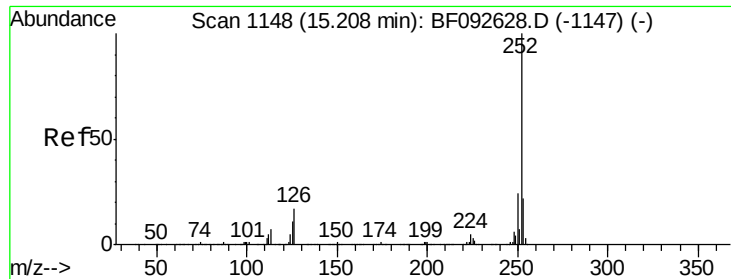
Tgt Ion:264 Resp: 390234
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.2 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 9.84 ng
RT: 14.95 min Scan# 1143
Delta R.T. -0.09 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

Tgt Ion:252 Resp: 252802
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.4
125 16.8 9.8 14.6#

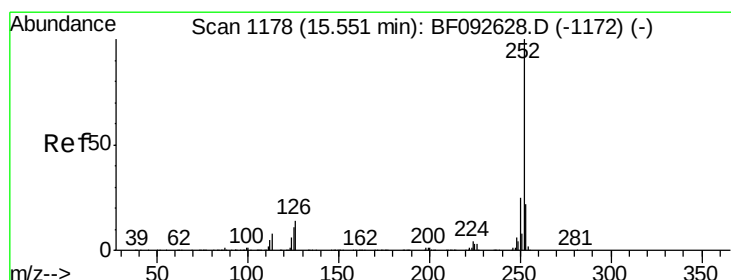
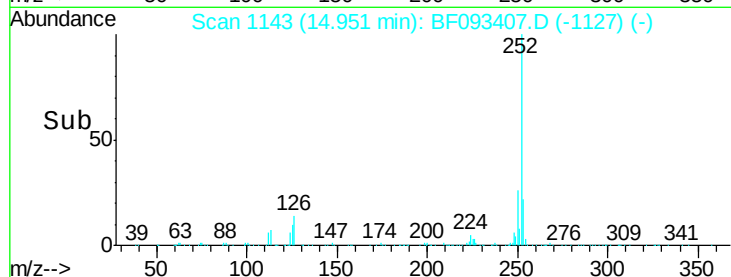
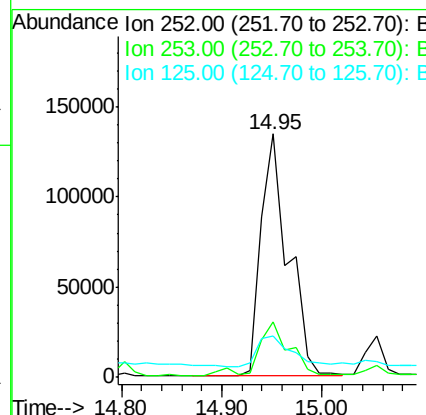
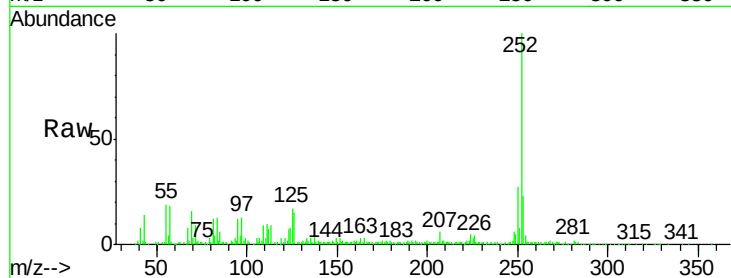




#88
Benzo(k)fluoranthene
Concen: 11.40 ng
RT: 14.95 min Scan# 1143
Delta R.T. -0.12 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

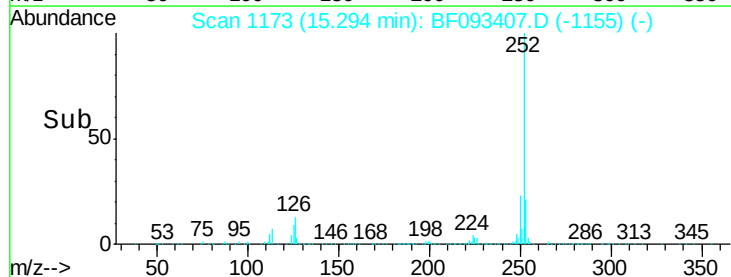
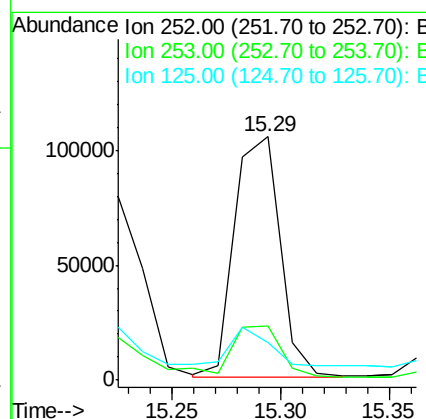
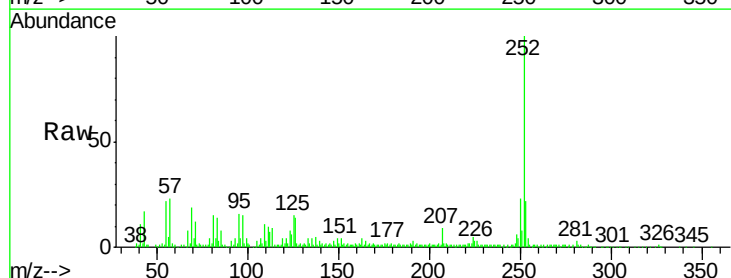
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

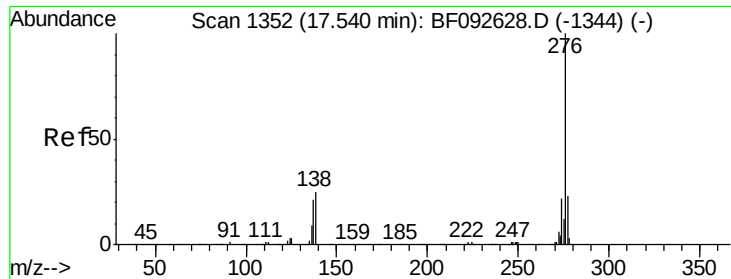
Tgt Ion:252 Resp: 252802
Ion Ratio Lower Upper
252 100
253 22.6 18.5 27.7
125 16.8 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 6.89 ng
RT: 15.29 min Scan# 1173
Delta R.T. -0.10 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

Tgt Ion:252 Resp: 153155
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 15.4 10.0 15.0#





#91
 Benzo(g,h,i)perylene
 Concen: 4.36 ng
 RT: 17.13 min Scan# 1334
 Delta R.T. -0.15 min
 Lab File: BF093407.D
 Acq: 6 Mar 2017 18:13

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-004-B

Tgt Ion: 276 Resp: 79083
 Ion Ratio Lower Upper
 276 100
 277 24.9 19.2 28.8
 138 29.1 16.0 24.0#

