

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030317\
 Data File : BF093391.D
 Acq On : 4 Mar 2017 8:00
 Operator : SJ/MA
 Sample : I2088-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

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

Quant Time: Mar 05 23:41:27 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

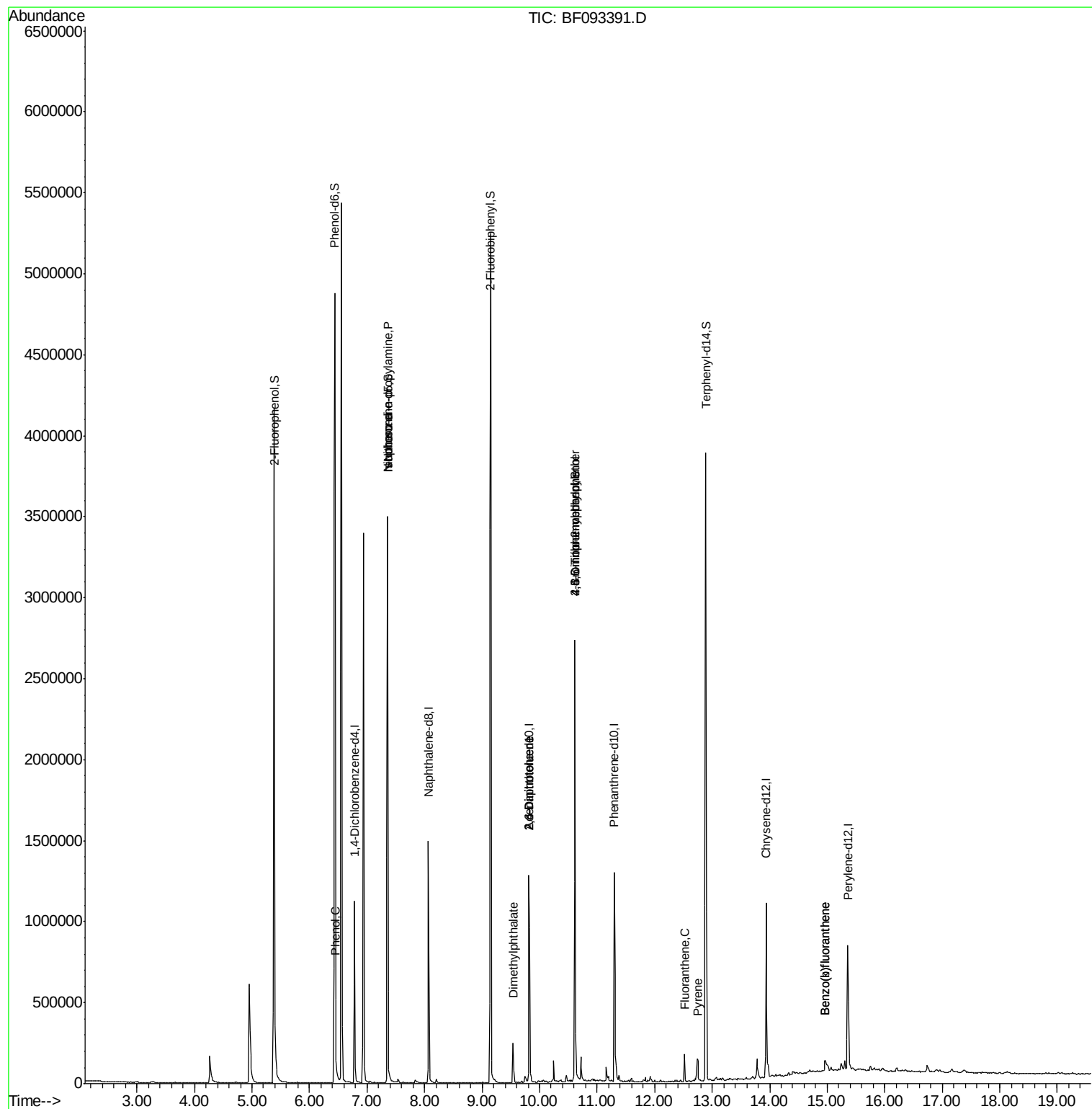
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	207456	20.00	ng	-0.07
21) Naphthalene-d8	8.06	136	773439	20.00	ng	-0.08
38) Acenaphthene-d10	9.81	164	339649	20.00	ng	-0.08
63) Phenanthrene-d10	11.30	188	554818	20.00	ng	-0.08
75) Chrysene-d12	13.94	240	378183	20.00	ng	-0.08
86) Perylene-d12	15.36	264	343001	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1739245	143.83	ng	-0.06
7) Phenol-d6	6.44	99	2340502	150.43	ng	-0.05
23) Nitrobenzene-d5	7.36	82	1322369	95.21	ng	-0.07
41) 2,4,6-Tribromophenol	10.61	330	330769	134.65	ng	-0.07
44) 2-Fluorobiphenyl	9.15	172	2182776	116.43	ng	-0.07
78) Terphenyl-d14	12.89	244	1337491	83.10	ng	-0.08
Target Compounds						
10) Phenol	6.45	94	111783	6.14	ng	# 66
19) n-Nitroso-di-n-propylamine	7.36	70	177862	17.96	ng	# 83
25) Isophorone	7.36	82	1308146	50.54	ng	# 65
49) Dimethylphthalate	9.54	163	107784	4.71	ng	# 99
50) 2,6-Dinitrotoluene	9.81	165	42014	8.50	ng	# 31
56) 2,4-Dinitrotoluene	9.81	165	42016	6.39	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.61	198	844	2.90	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	25379	4.38	ng	# 1
74) Fluoranthene	12.52	202	93857	2.86	ng	94
77) Pyrene	12.75	202	82312	2.91	ng	97
87) Benzo(b)fluoranthene	14.97	252	54549	2.42	ng	98
88) Benzo(k)fluoranthene	14.97	252	54549	2.80	ng	# 97

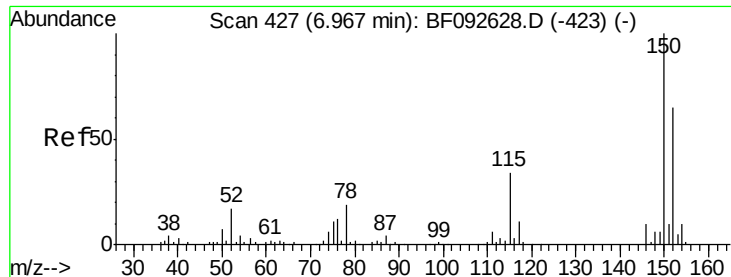
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.07 min

Lab File: BF093391.D

Acq: 4 Mar 2017 8:00

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-A

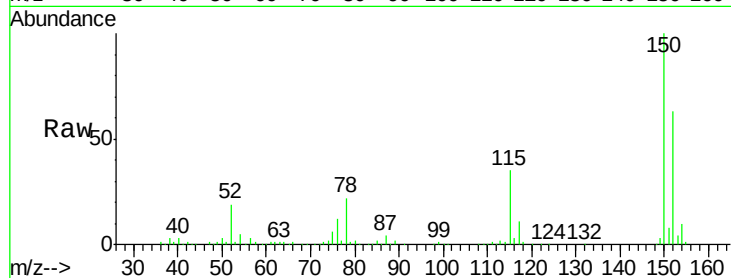
Tgt Ion:152 Resp: 207456

Ion Ratio Lower Upper

152 100

150 157.7 124.9 187.3

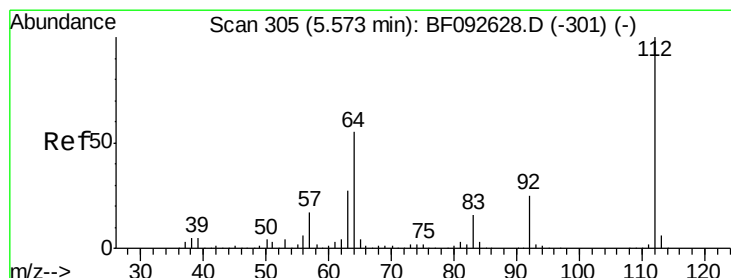
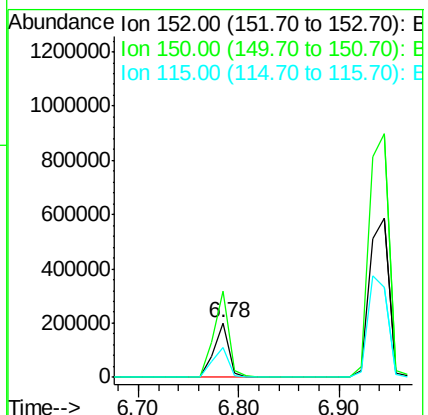
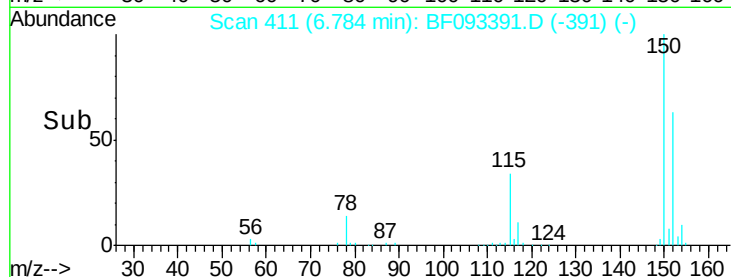
115 55.1 46.0 69.0



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: 143.83 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.06 min

Lab File: BF093391.D

Acq: 4 Mar 2017 8:00

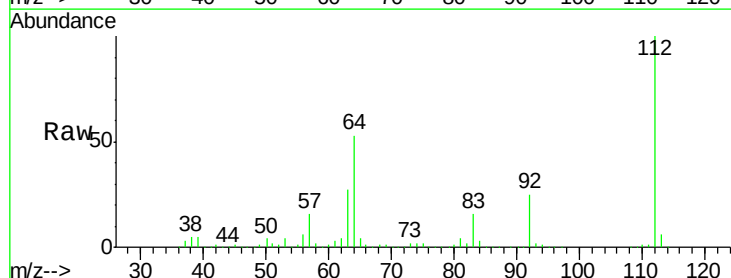
Tgt Ion:112 Resp: 1739245

Ion Ratio Lower Upper

112 100

64 53.2 46.1 69.1

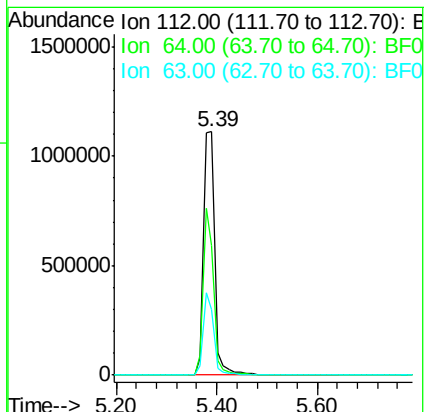
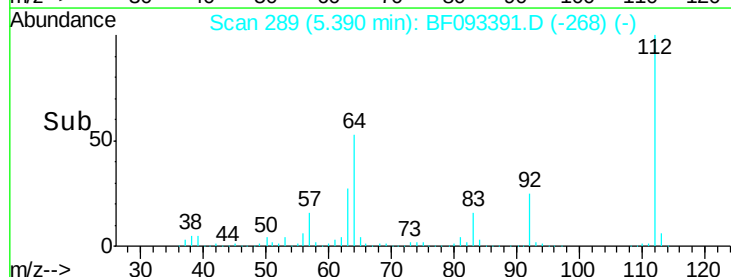
63 26.7 23.8 35.6

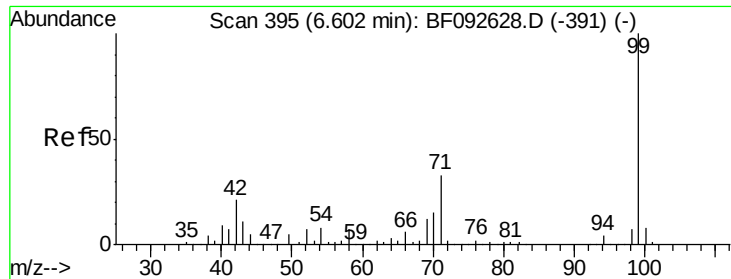


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 150.43 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.05 min

Lab File: BF093391.D

Acq: 4 Mar 2017 8:00

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-A

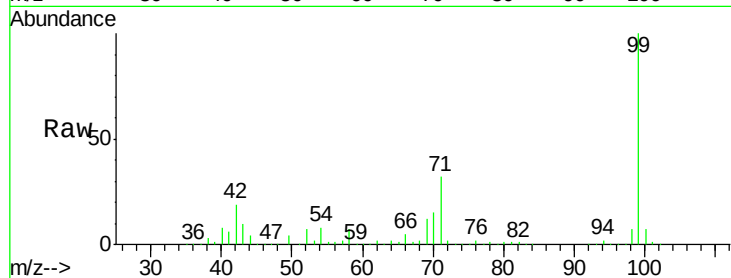
Tgt Ion: 99 Resp: 2340502

Ion Ratio Lower Upper

99 100

42 18.9 15.6 23.4

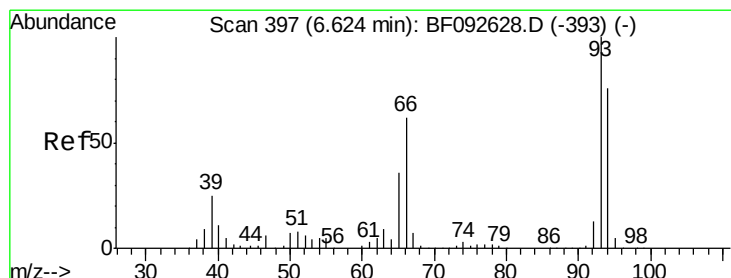
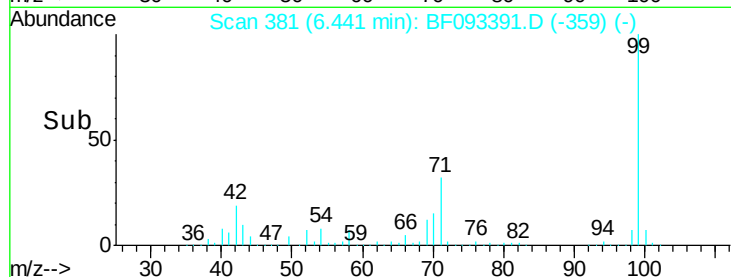
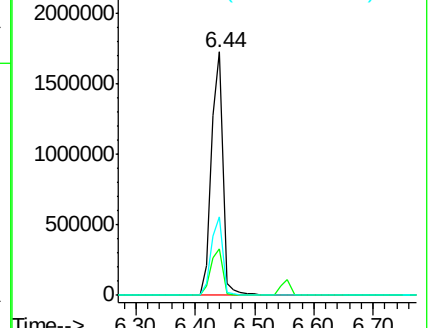
71 32.3 27.5 41.3



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



#10

Phenol

Concen: 6.14 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.06 min

Lab File: BF093391.D

Acq: 4 Mar 2017 8:00

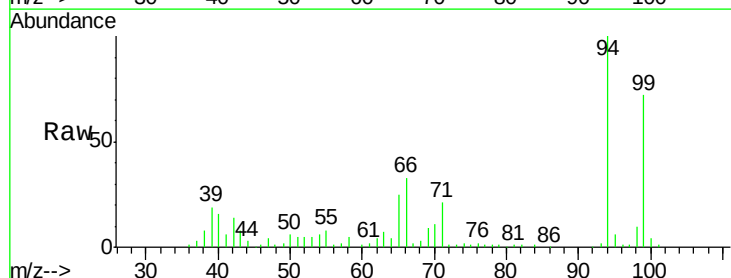
Tgt Ion: 94 Resp: 111783

Ion Ratio Lower Upper

94 100

65 24.8 21.4 61.4

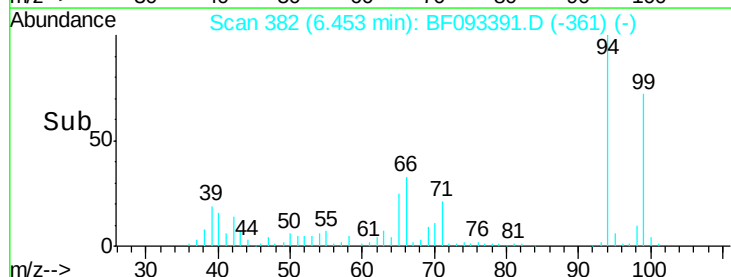
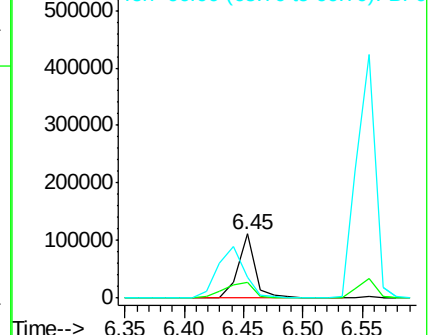
66 33.0 44.0 84.0#

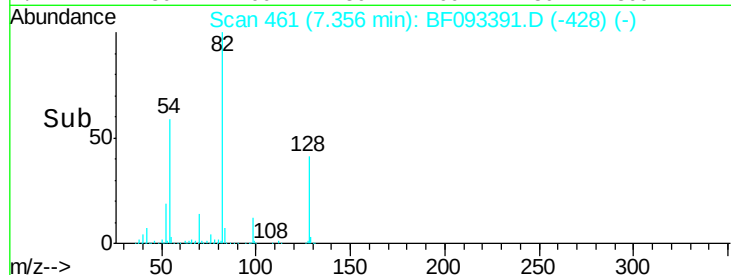
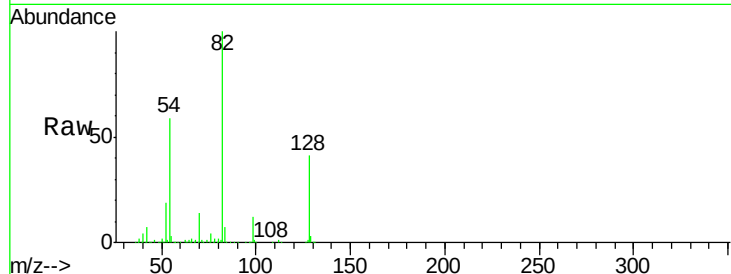
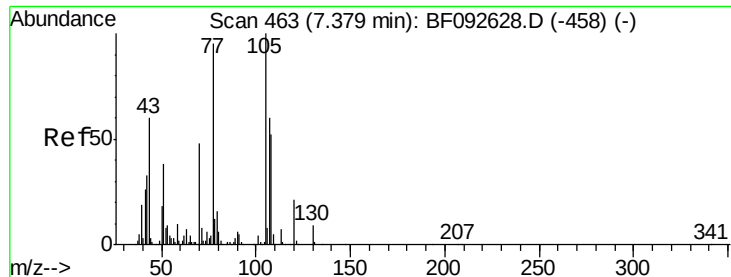


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

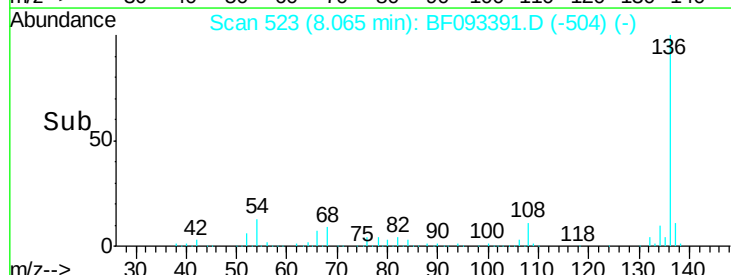
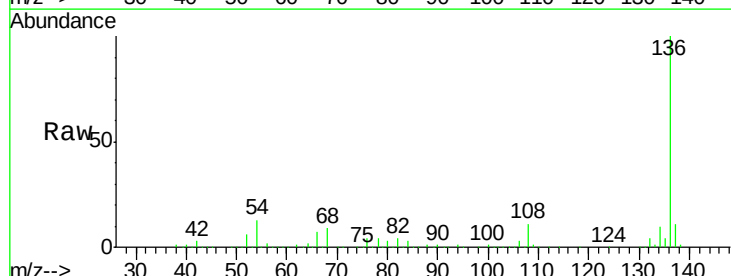
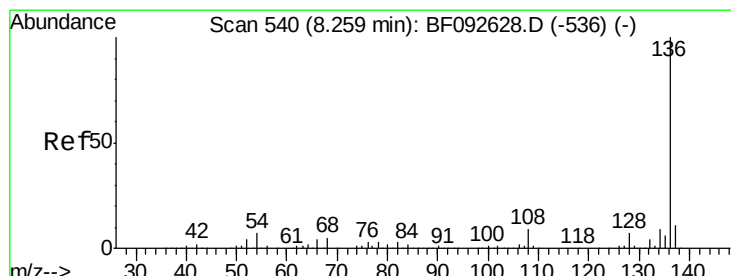
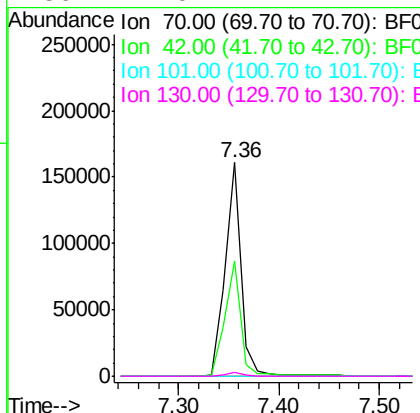




#19
n-Nitroso-di-n-propylamine
Concen: 17.96 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.08 min
Lab File: BF093391.D
Acq: 4 Mar 2017 8:00

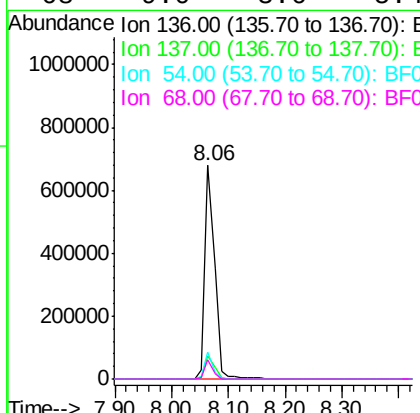
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-A

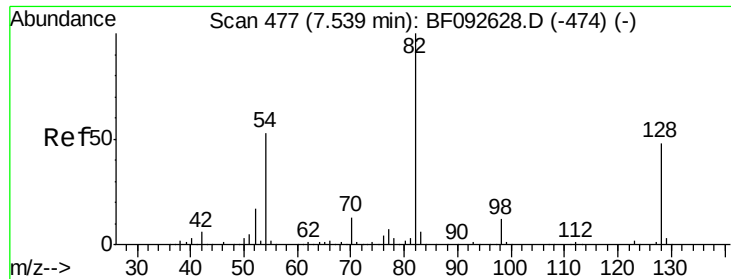
Tgt Ion: 70 Resp: 177862
Ion Ratio Lower Upper
70 100
42 53.9 49.4 74.0
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.08 min
Lab File: BF093391.D
Acq: 4 Mar 2017 8:00

Tgt Ion: 136 Resp: 773439
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 12.7 4.5 6.7#
68 9.0 3.6 5.4#

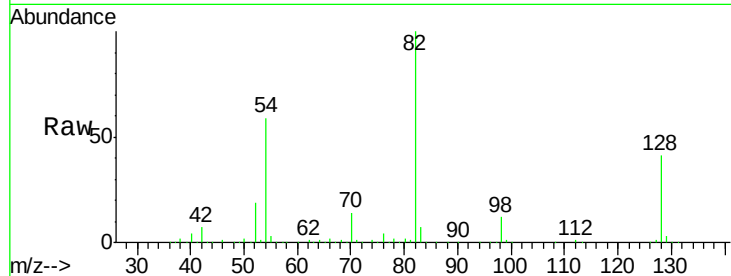




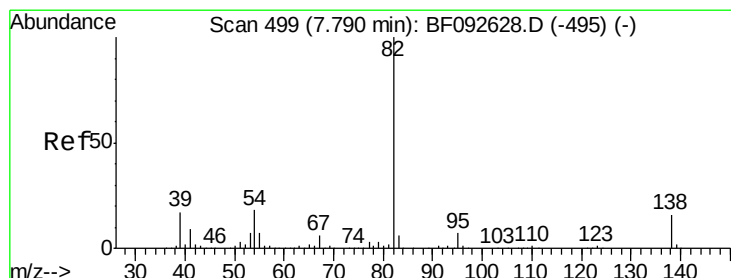
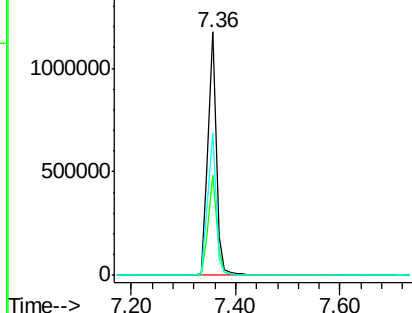
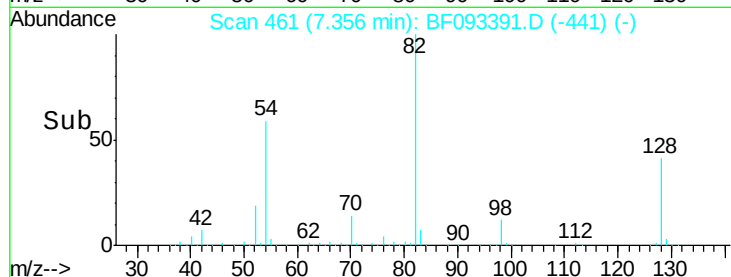
#23
Nitrobenzene-d5
Concen: 95.21 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.07 min
Lab File: BF093391.D
Acq: 4 Mar 2017 8:00

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

Tgt Ion: 82 Resp: 1322369
Ion Ratio Lower Upper
82 100
128 41.4 34.6 52.0
54 58.7 39.5 59.3

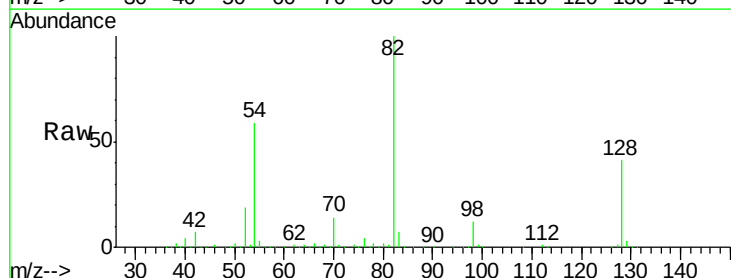


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

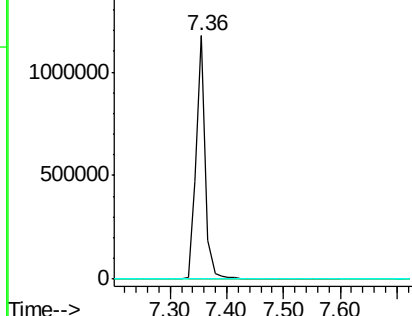
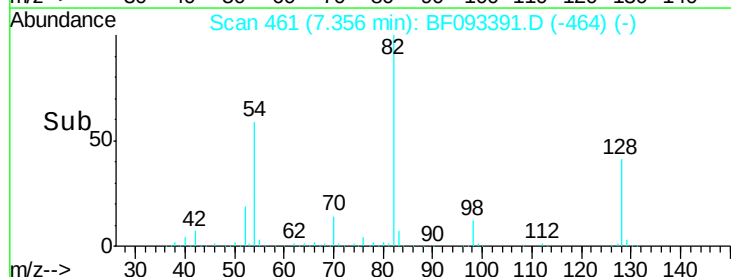


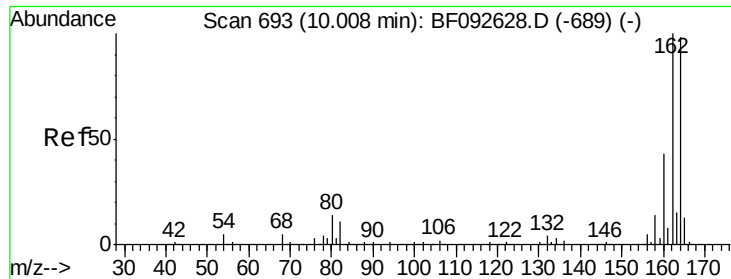
#25
Isophorone
Concen: 50.54 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.33 min
Lab File: BF093391.D
Acq: 4 Mar 2017 8:00

Tgt Ion: 82 Resp: 1308146
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

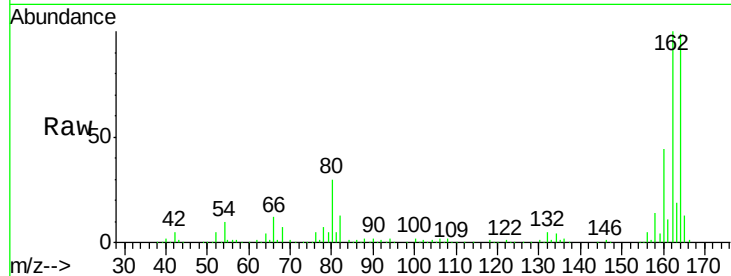




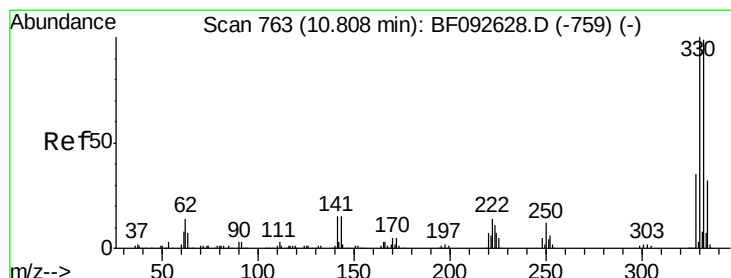
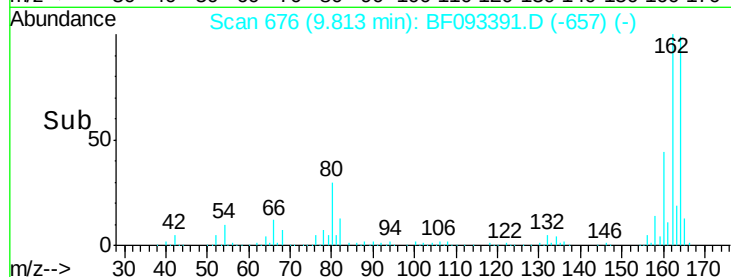
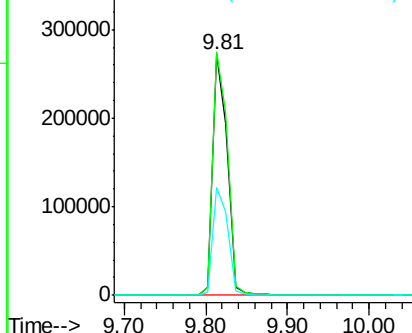
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.08 min
 Lab File: BF093391.D
 Acq: 4 Mar 2017 8:00

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

Tgt Ion:164 Resp: 339649
 Ion Ratio Lower Upper
 164 100
 162 101.1 80.2 120.2
 160 44.6 36.9 55.3

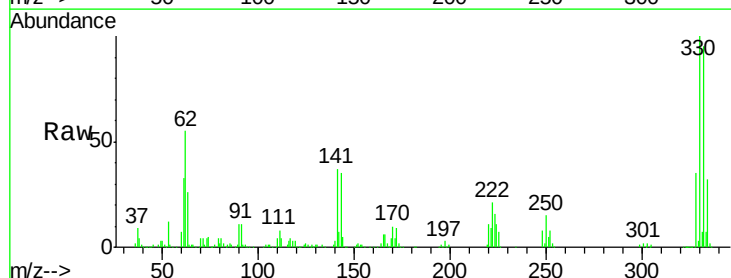


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

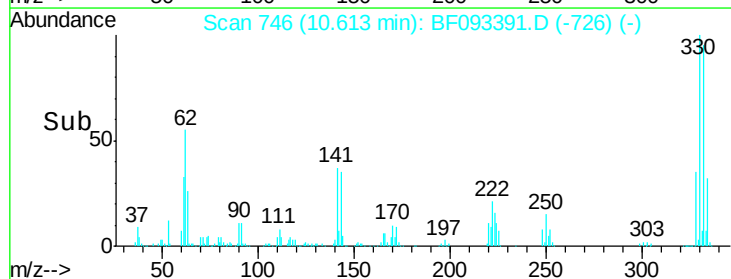
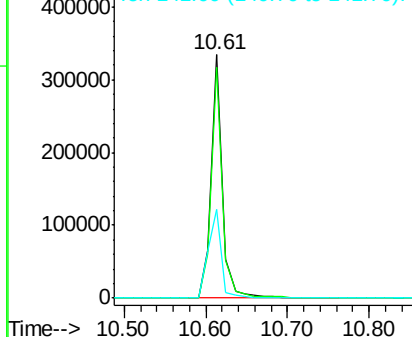


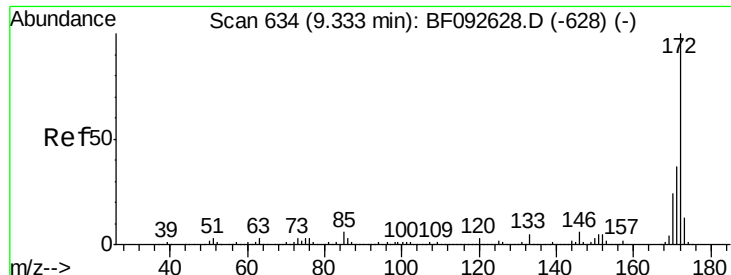
#41
 2,4,6-Tribromophenol
 Concen: 134.65 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.07 min
 Lab File: BF093391.D
 Acq: 4 Mar 2017 8:00

Tgt Ion:330 Resp: 330769
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.4 116.2
 141 43.3 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

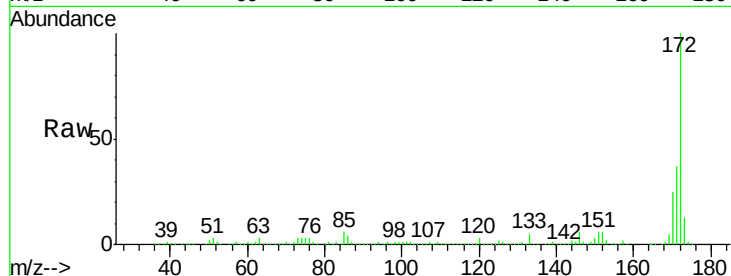




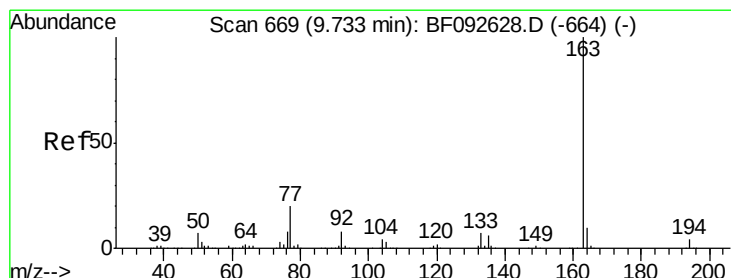
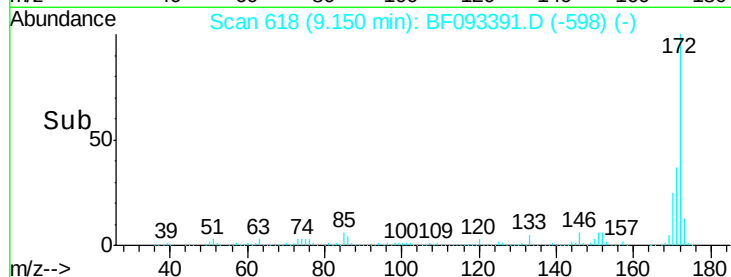
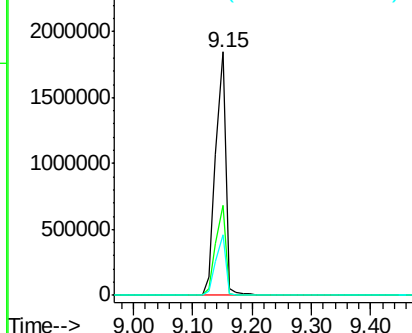
#44
2-Fluorobiphenyl
Concen: 116.43 ng
RT: 9.15 min Scan# 618
Delta R.T. -0.07 min
Lab File: BF093391.D
Acq: 4 Mar 2017 8:00

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

Tgt Ion:172 Resp: 2182776
Ion Ratio Lower Upper
172 100
171 36.8 29.4 44.0
170 24.7 20.2 30.4

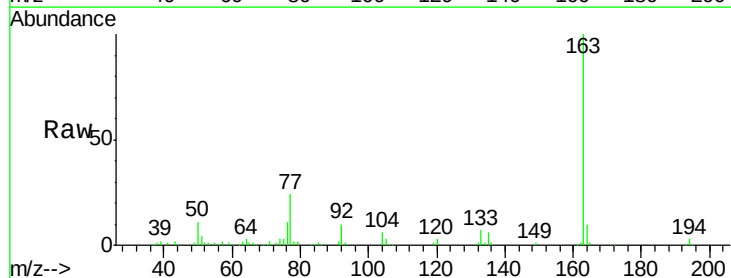


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

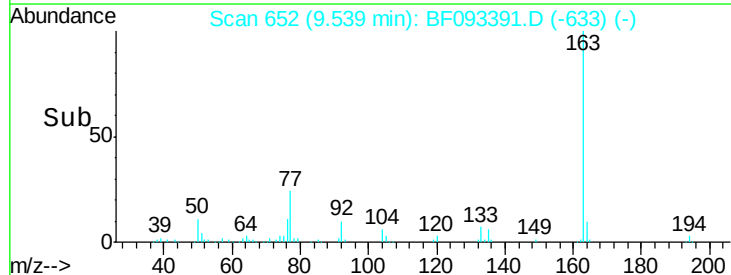
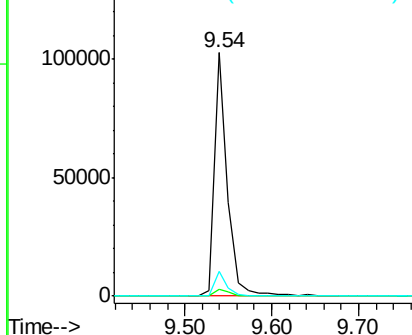


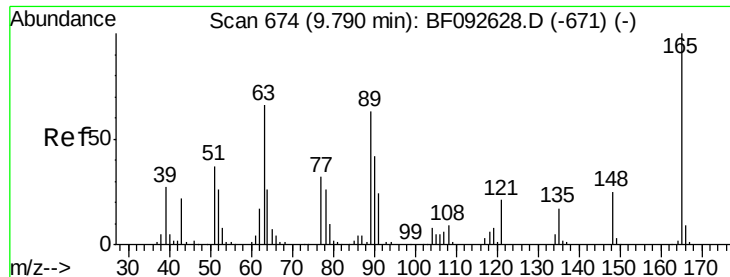
#49
Dimethylphthalate
Concen: 4.71 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.08 min
Lab File: BF093391.D
Acq: 4 Mar 2017 8:00

Tgt Ion:163 Resp: 107784
Ion Ratio Lower Upper
163 100
194 2.8 3.0 4.4#
164 10.2 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

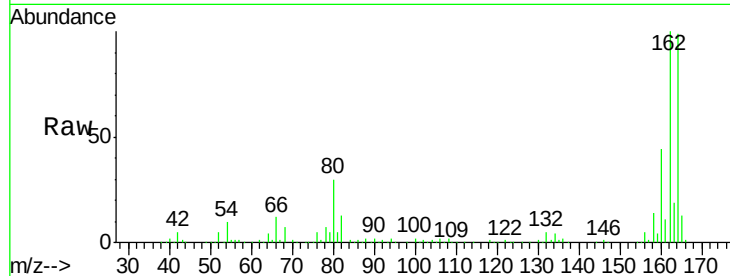




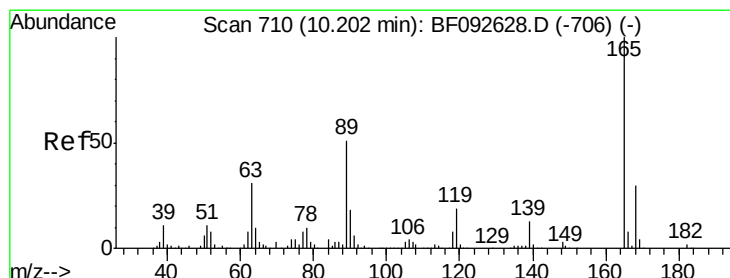
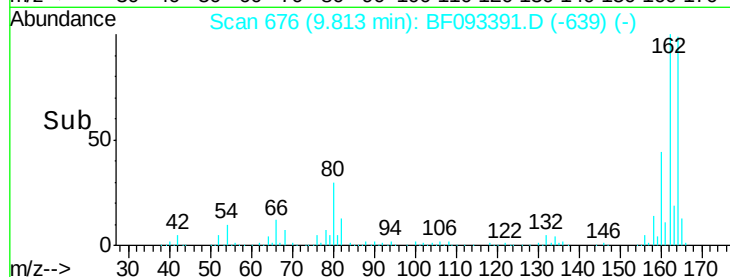
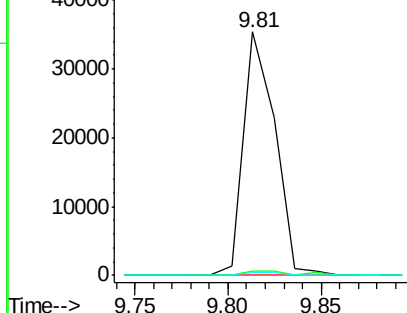
#50
2,6-Dinitrotoluene
Concen: 8.50 ng
RT: 9.81 min Scan# 676
Delta R.T. 0.13 min
Lab File: BF093391.D
Acq: 4 Mar 2017 8:00

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

Tgt Ion:165 Resp: 42014
Ion Ratio Lower Upper
165 100
63 1.6 36.2 54.4#
89 1.4 40.2 60.4#

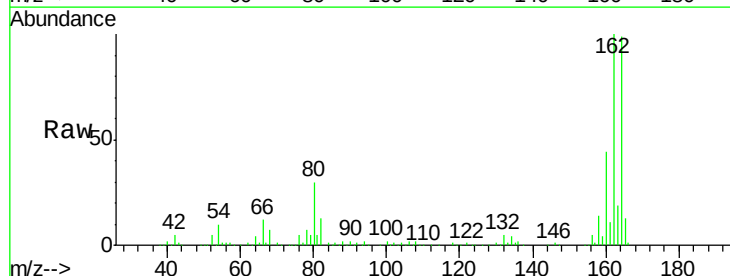


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

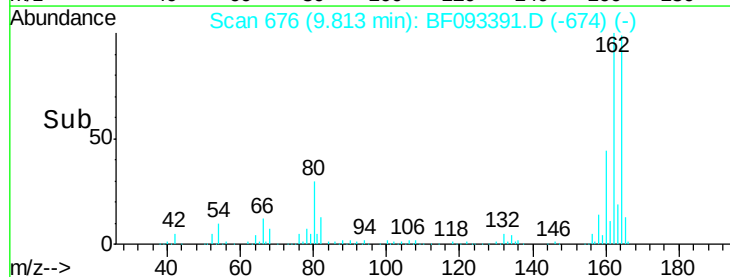
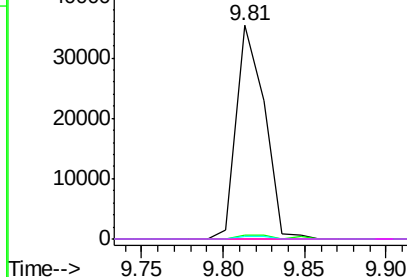


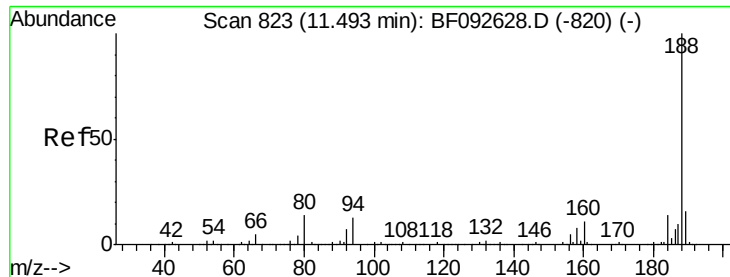
#56
2,4-Dinitrotoluene
Concen: 6.39 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.27 min
Lab File: BF093391.D
Acq: 4 Mar 2017 8:00

Tgt Ion:165 Resp: 42016
Ion Ratio Lower Upper
165 100
63 1.6 40.2 60.4#
89 1.4 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

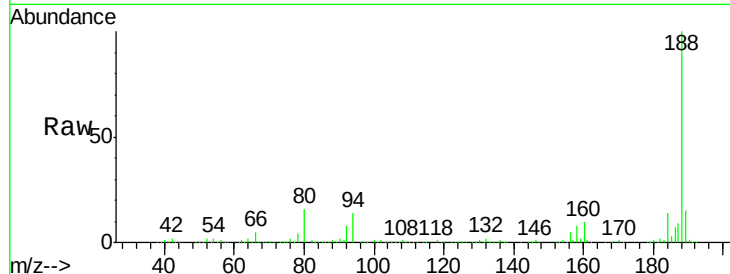




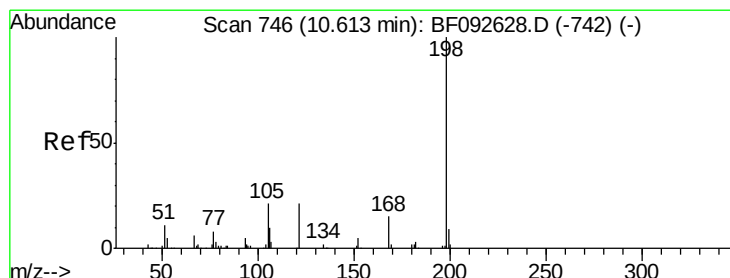
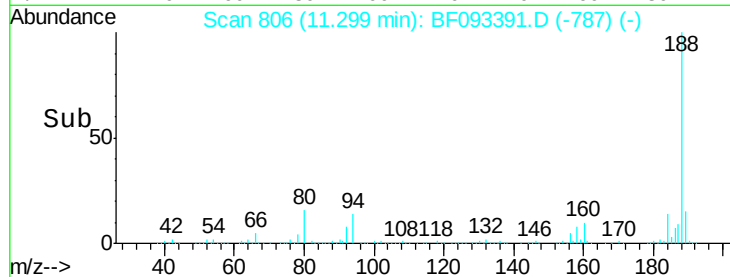
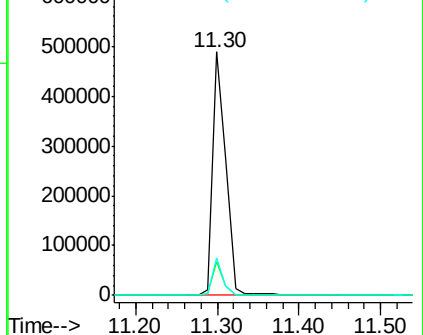
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.08 min
Lab File: BF093391.D
Acq: 4 Mar 2017 8:00

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

Tgt Ion:188 Resp: 554818
Ion Ratio Lower Upper
188 100
94 14.1 10.0 15.0
80 15.7 11.2 16.8

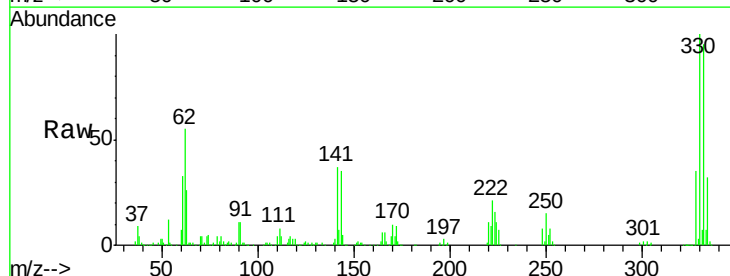


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

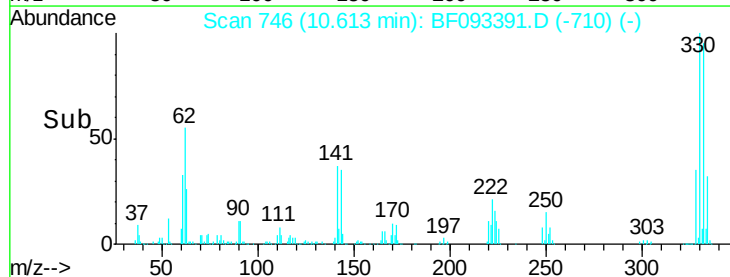
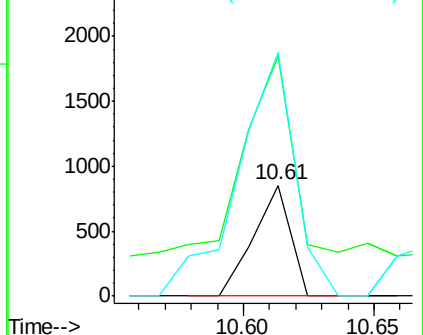


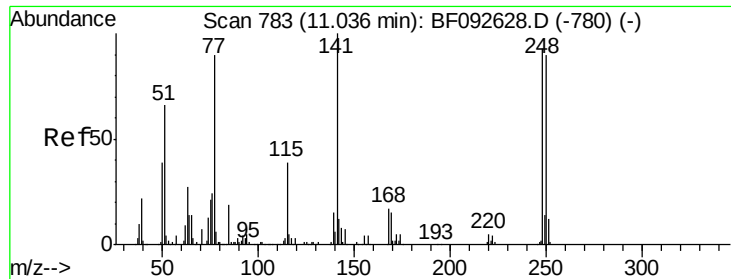
#64
4,6-Dinitro-2-methylphenol
Concen: 2.90 ng
RT: 10.61 min Scan# 746
Delta R.T. 0.11 min
Lab File: BF093391.D
Acq: 4 Mar 2017 8:00

Tgt Ion:198 Resp: 844
Ion Ratio Lower Upper
198 100
51 216.4 6.7 46.7#
105 219.3 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

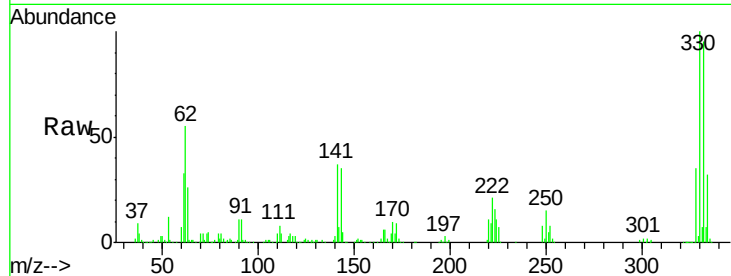




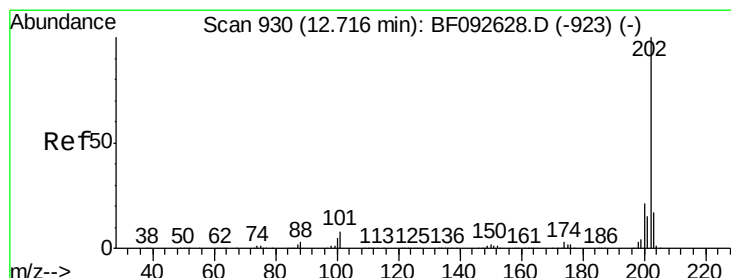
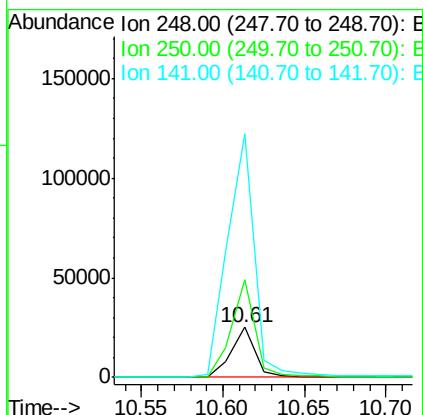
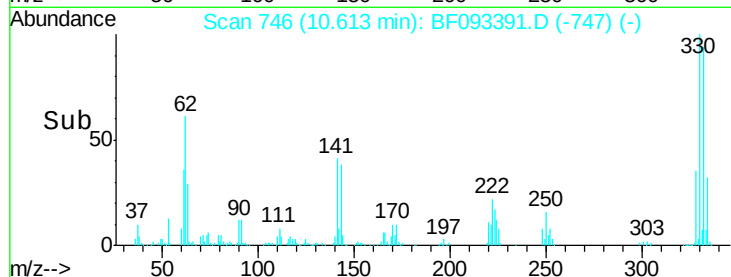
#66
 4-Bromophenyl-phenylether
 Concen: 4.38 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.31 min
 Lab File: BF093391.D
 Acq: 4 Mar 2017 8:00

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

Tgt Ion:248 Resp: 25379
 Ion Ratio Lower Upper
 248 100
 250 196.4 76.9 115.3#
 141 486.7 68.2 102.4#

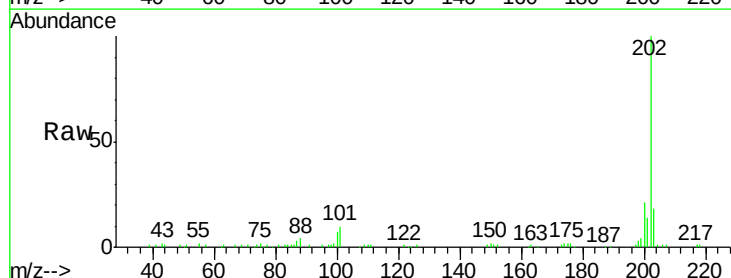


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

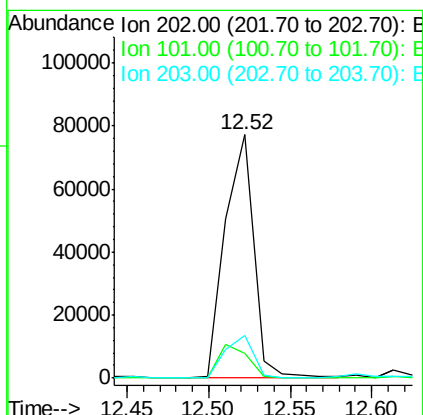
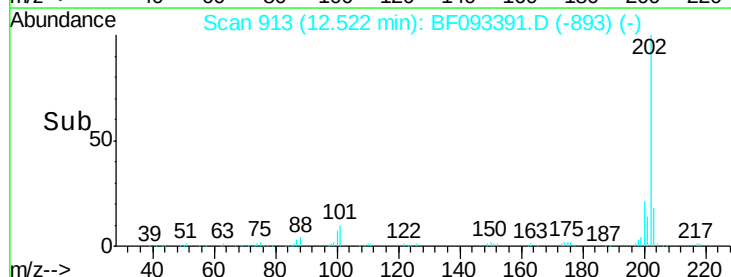


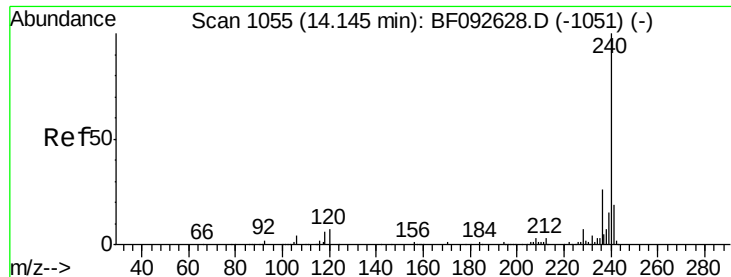
#74
 Fluoranthene
 Concen: 2.86 ng
 RT: 12.52 min Scan# 913
 Delta R.T. -0.07 min
 Lab File: BF093391.D
 Acq: 4 Mar 2017 8:00

Tgt Ion:202 Resp: 93857
 Ion Ratio Lower Upper
 202 100
 101 10.0 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: 13.94 min Scan# 1037

Delta R.T. -0.08 min

Lab File: BF093391.D

Acq: 4 Mar 2017 8:00

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-A

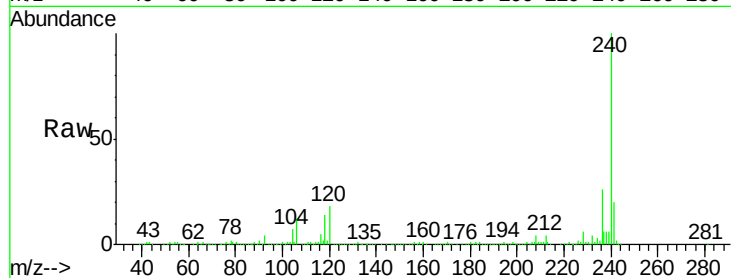
Tgt Ion:240 Resp: 378183

Ion Ratio Lower Upper

240 100

120 17.5 12.9 19.3

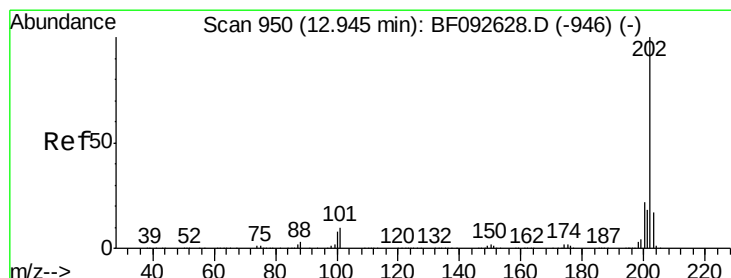
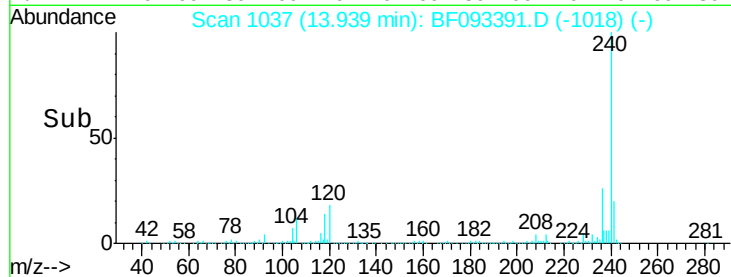
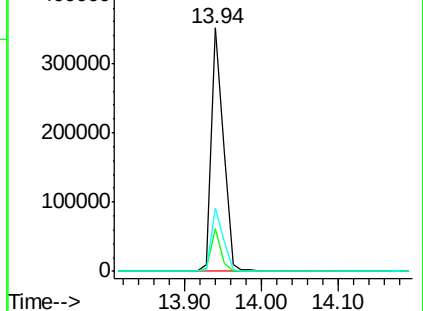
236 26.0 20.9 31.3



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: 2.91 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.07 min

Lab File: BF093391.D

Acq: 4 Mar 2017 8:00

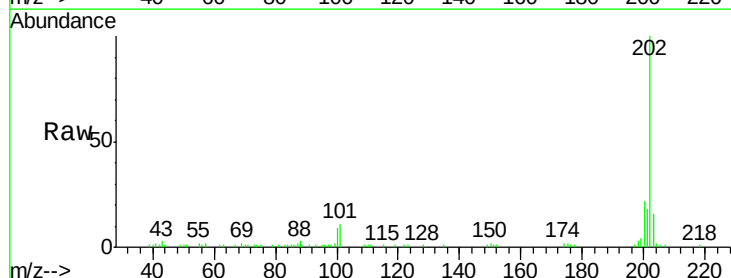
Tgt Ion:202 Resp: 82312

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

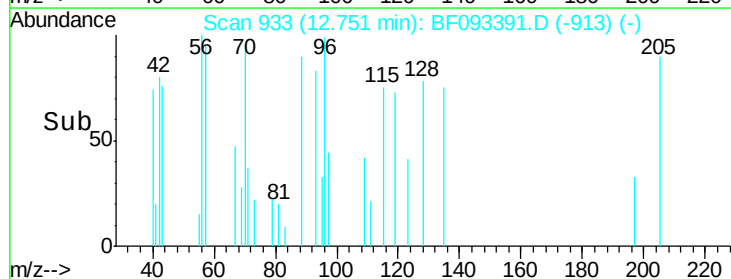
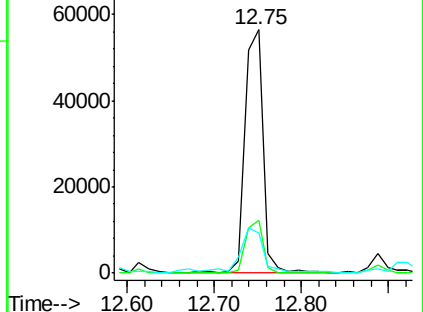
203 16.2 14.7 22.1

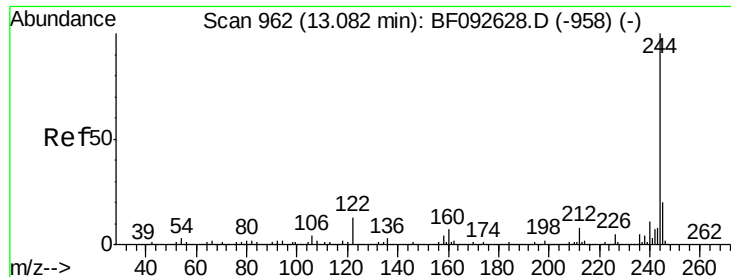


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 83.10 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.08 min

Lab File: BF093391.D

Acq: 4 Mar 2017 8:00

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-A

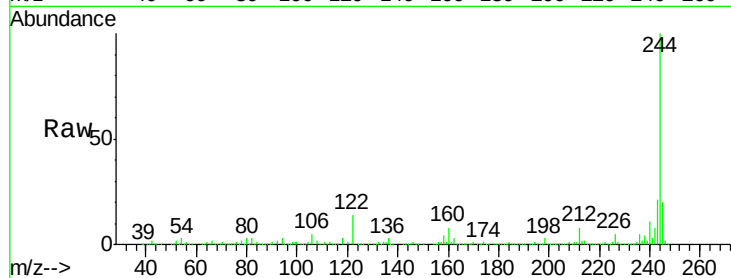
Tgt Ion:244 Resp: 1337491

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

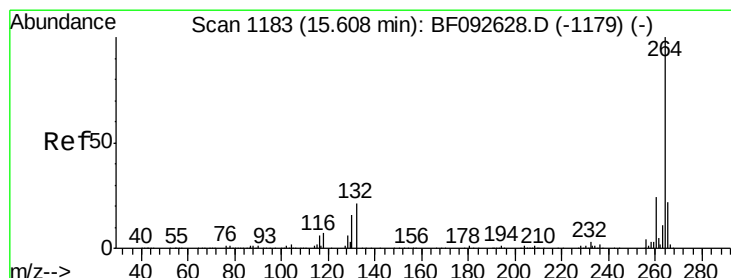
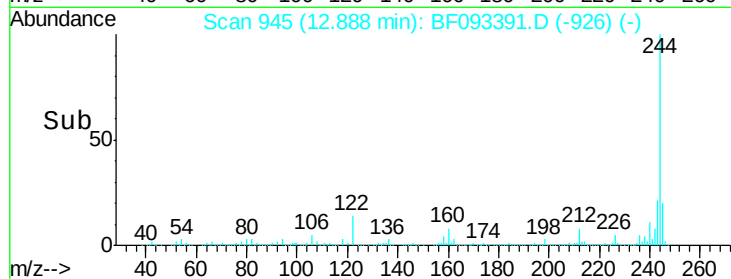
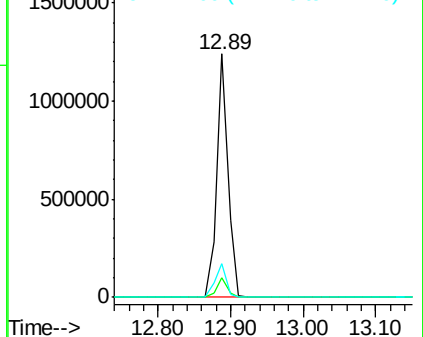
122 13.8 11.4 17.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.09 min

Lab File: BF093391.D

Acq: 4 Mar 2017 8:00

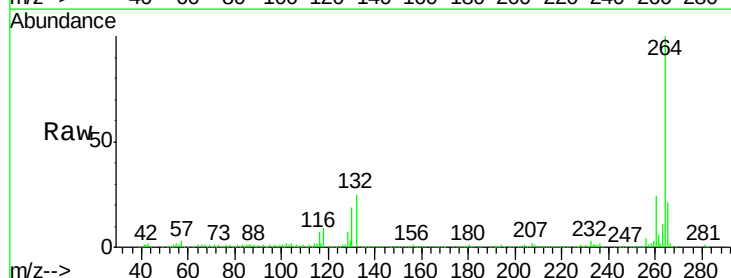
Tgt Ion:264 Resp: 343001

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

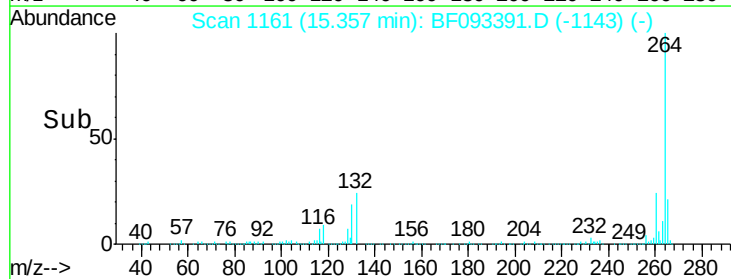
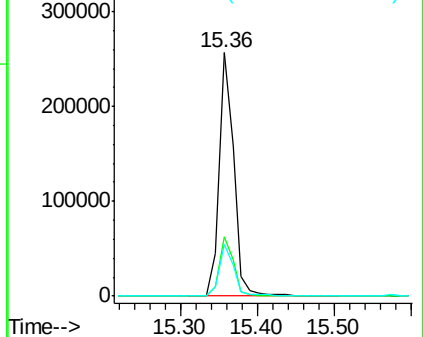
265 21.4 17.4 26.0

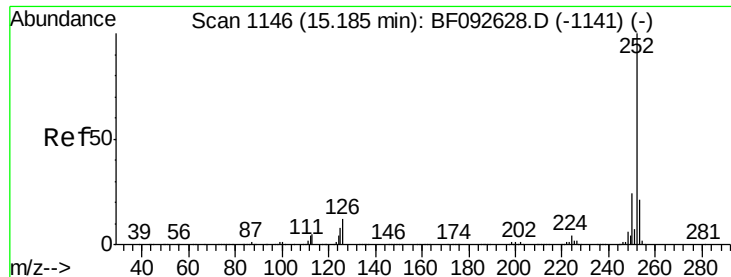


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.42 ng

RT: 14.97 min Scan# 1127

Delta R.T. -0.07 min

Lab File: BF093391.D

Acq: 4 Mar 2017 8:00

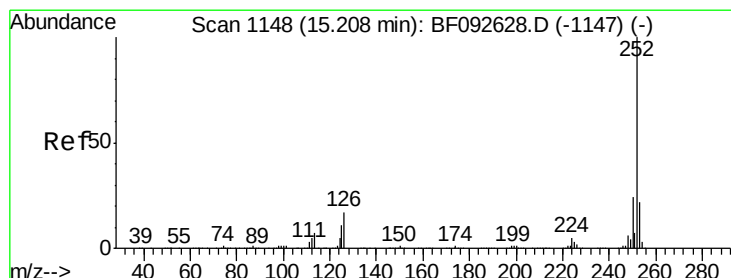
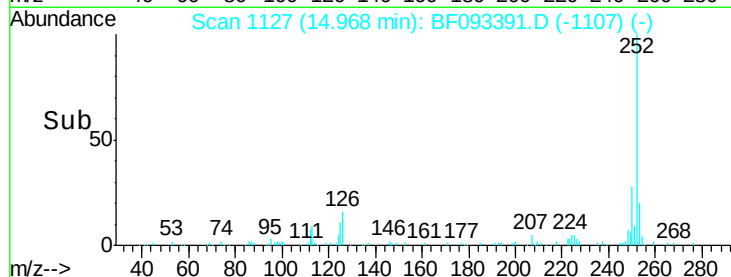
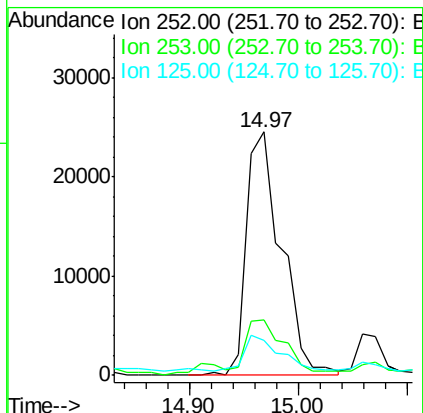
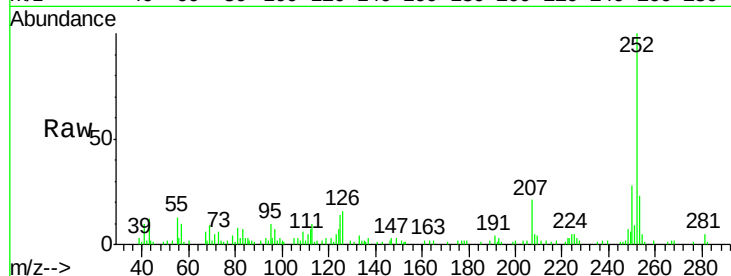
Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-A

Tgt Ion:	252	Resp:	54549
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.2	27.4
125	14.3	9.8	14.6



#88

Benzo(k)fluoranthene

Concen: 2.80 ng

RT: 14.97 min Scan# 1127

Delta R.T. -0.10 min

Lab File: BF093391.D

Acq: 4 Mar 2017 8:00

Tgt Ion:	252	Resp:	54549
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.5	27.7
125	14.3	8.9	13.3#

