

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094025.D
 Acq On : 29 Mar 2017 18:22
 Operator : SJ/MA
 Sample : I2443-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q14-BASE

Quant Time: Mar 30 01:09:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

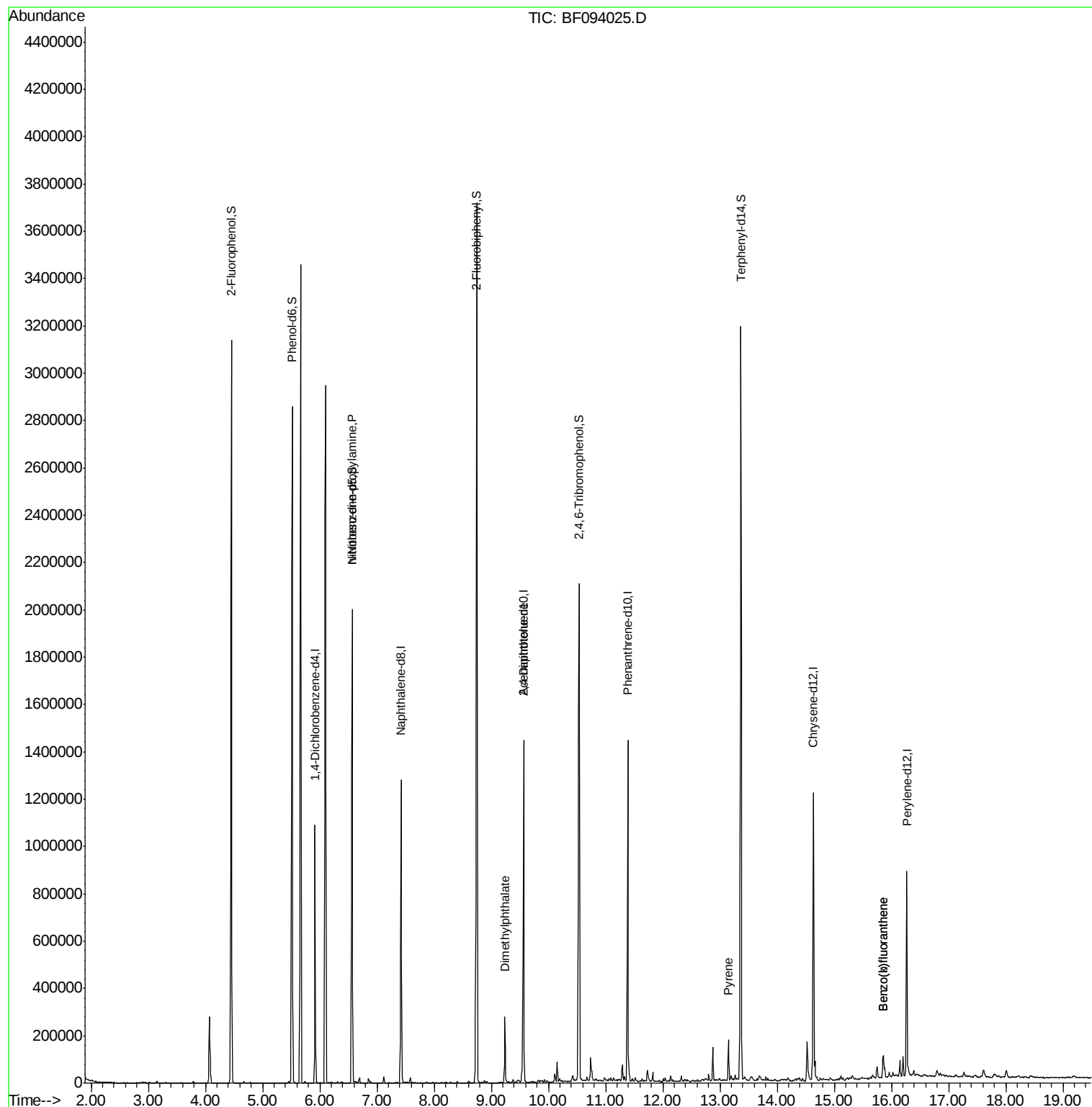
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	165621	20.00	ng	-0.04
21) Naphthalene-d8	7.42	136	688605	20.00	ng	-0.04
38) Acenaphthene-d10	9.56	164	321272	20.00	ng	-0.04
63) Phenanthrene-d10	11.39	188	572972	20.00	ng	-0.04
75) Chrysene-d12	14.64	240	474785	20.00	ng	-0.04
86) Perylene-d12	16.27	264	339468	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	1047970	106.87	ng	-0.02
7) Phenol-d6	5.52	99	1324150	109.16	ng	-0.03
23) Nitrobenzene-d5	6.57	82	831722	68.93	ng	-0.04
41) 2,4,6-Tribromophenol	10.53	330	296221	116.68	ng	-0.04
44) 2-Fluorobiphenyl	8.75	172	1470998	69.84	ng	-0.04
78) Terphenyl-d14	13.37	244	1210177	57.13	ng	-0.04
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.57	70	110654	14.19	ng	# 75
49) Dimethylphthalate	9.24	163	123667	5.42	ng	98
56) 2,4-Dinitrotoluene	9.56	165	40565	6.17	ng	# 33
77) Pyrene	13.15	202	69976	2.03	ng	96
87) Benzo(b)fluoranthene	15.86	252	60980	2.93	ng	97
88) Benzo(k)fluoranthene	15.86	252	60980	3.00	ng	95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.92 min Scan# 685

Delta R.T. -0.04 min

Lab File: BF094025.D

Acq: 29 Mar 2017 18:22

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

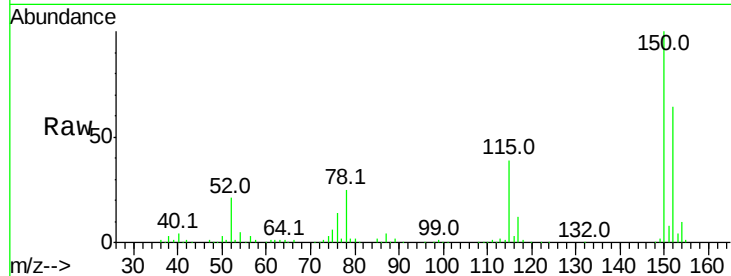
Tot Ion:152 Resp: 165621

Ion Ratio Lower Upper

152 100

150 157.3 126.2 189.2

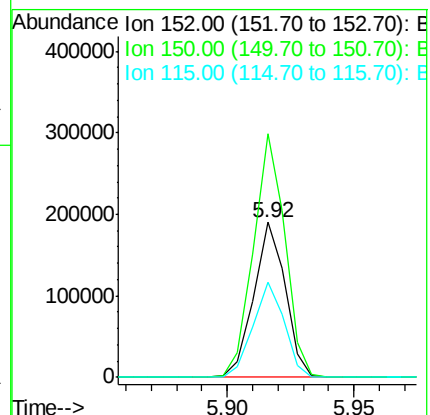
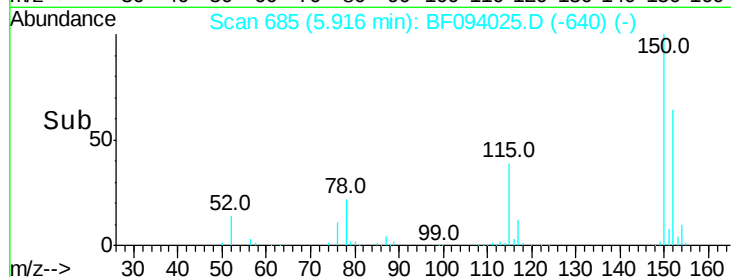
115 61.8 52.2 78.2



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: 106.87 ng

RT: 4.46 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF094025.D

Acq: 29 Mar 2017 18:22

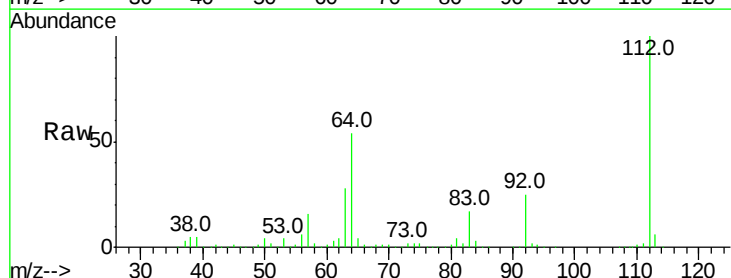
Tgt Ion:112 Resp: 1047970

Ion Ratio Lower Upper

112 100

64 54.1 46.0 69.0

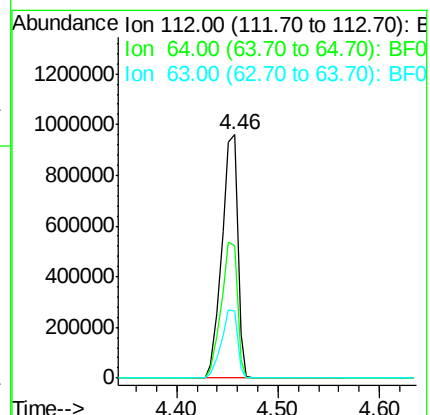
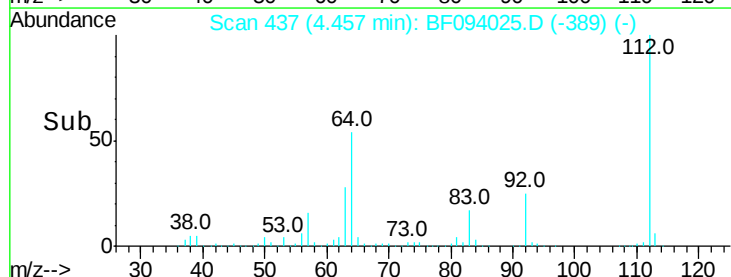
63 27.6 23.4 35.0

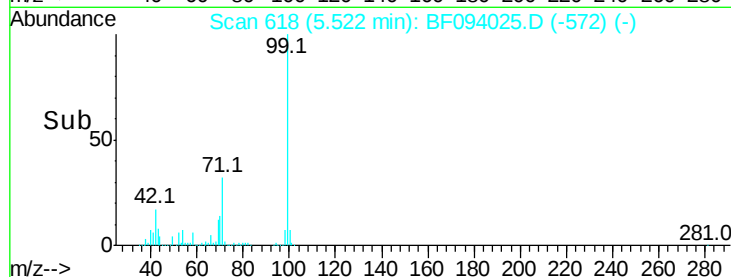
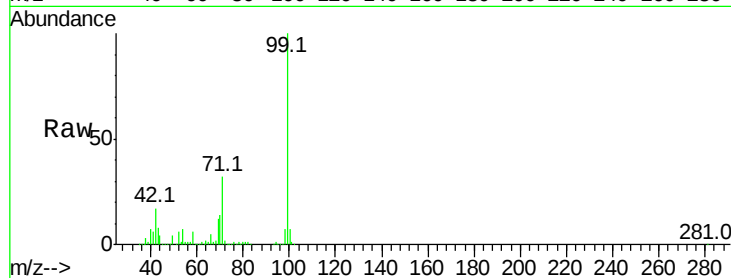
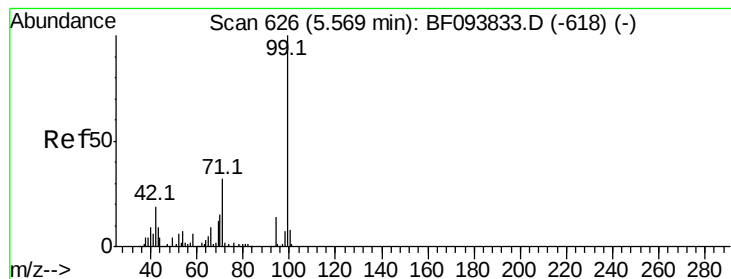


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.16 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.03 min

Lab File: BF094025.D

Acq: 29 Mar 2017 18:22

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

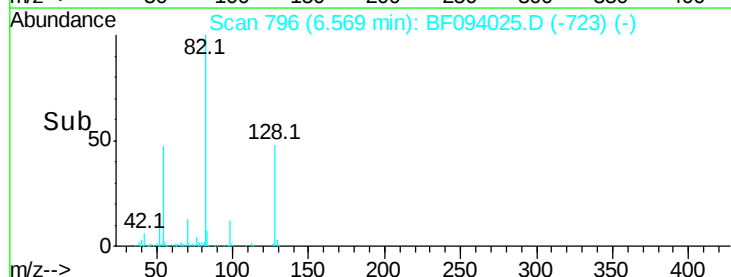
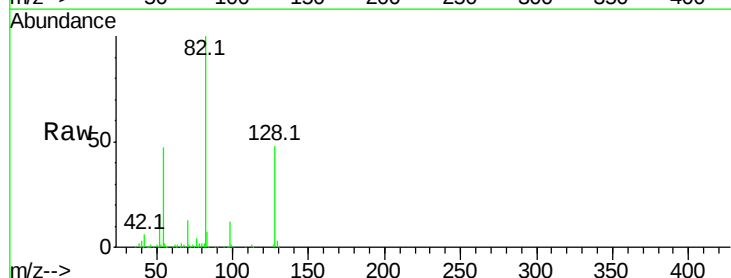
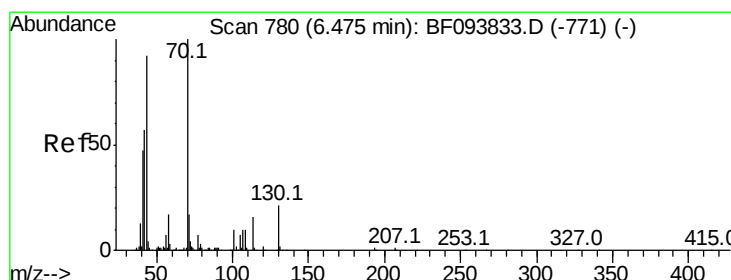
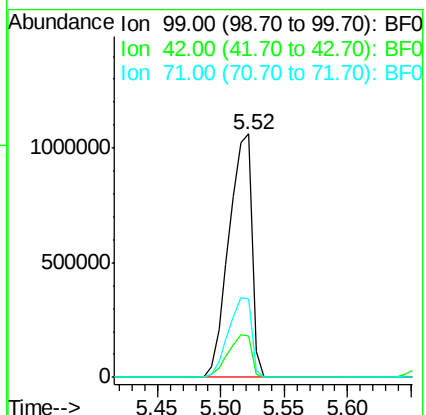
Tot Ion: 99 Resp: 1324150

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

71 32.4 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.19 ng

RT: 6.57 min Scan# 796

Delta R.T. 0.13 min

Lab File: BF094025.D

Acq: 29 Mar 2017 18:22

Tgt Ion: 70 Resp: 110654

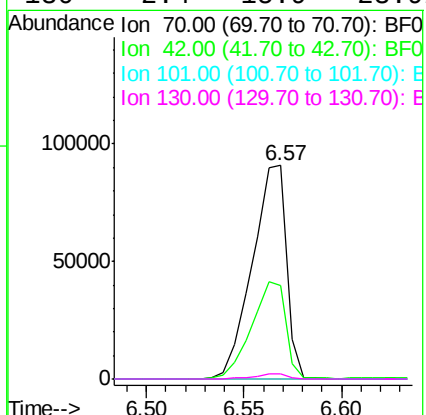
Ion Ratio Lower Upper

70 100

42 44.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.42 min Scan# 941

Delta R.T. -0.04 min

Lab File: BF094025.D

Acq: 29 Mar 2017 18:22

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

Tot Ion:136 Resp: 688605

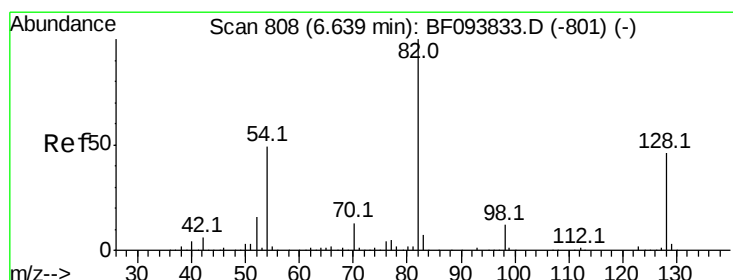
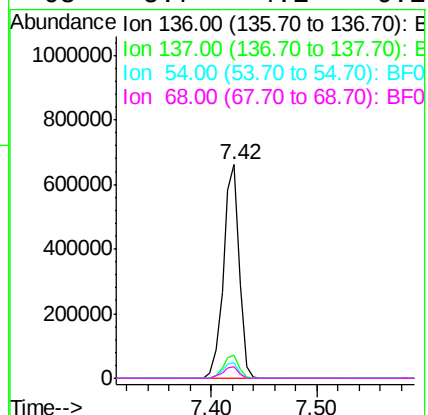
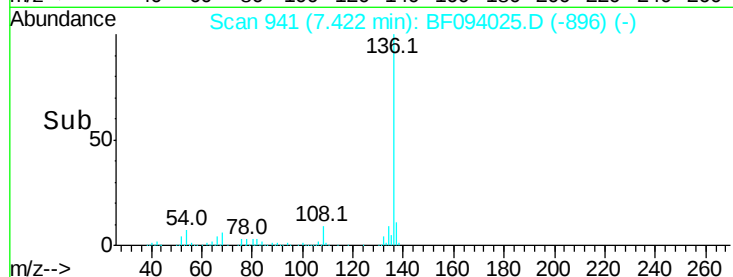
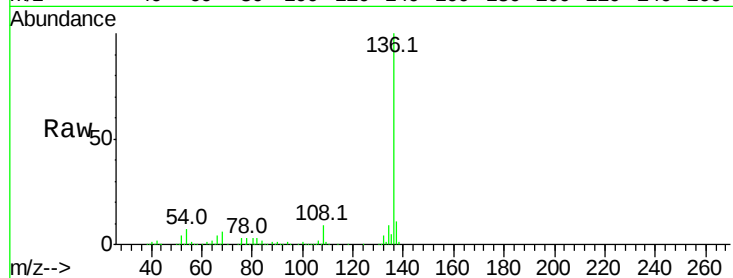
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.0 4.9 7.3

68 5.7 4.1 6.1



#23

Nitrobenzene-d5

Concen: 68.93 ng

RT: 6.57 min Scan# 796

Delta R.T. -0.04 min

Lab File: BF094025.D

Acq: 29 Mar 2017 18:22

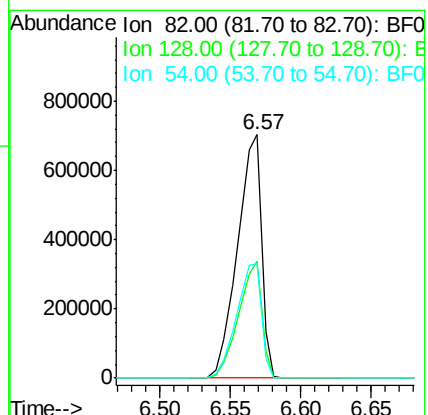
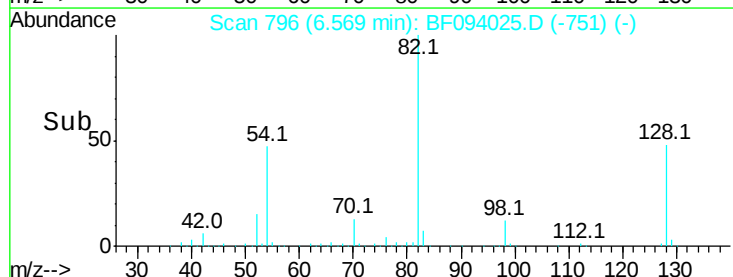
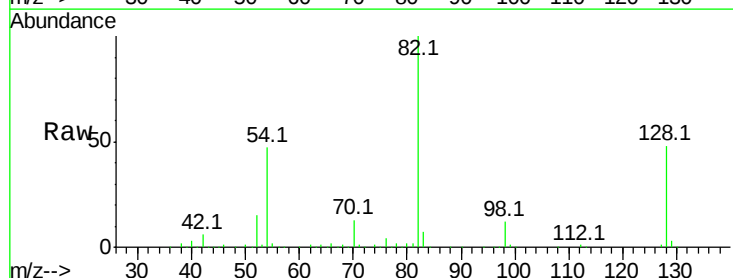
Tgt Ion: 82 Resp: 831722

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

54 47.0 42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.56 min Scan# 1305

Delta R.T. -0.04 min

Lab File: BF094025.D

Acq: 29 Mar 2017 18:22

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

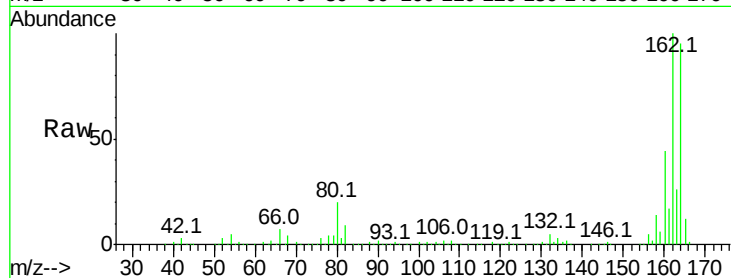
Tot Ion:164 Resp: 321272

Ion Ratio Lower Upper

164 100

162 105.0 82.6 123.8

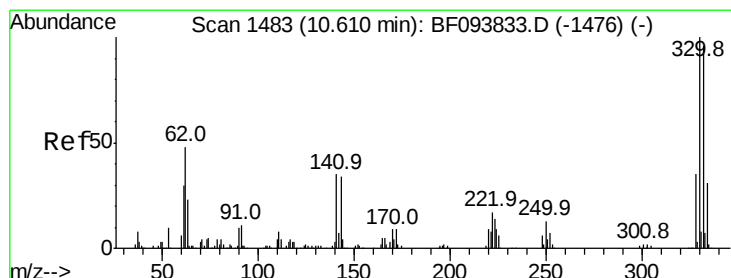
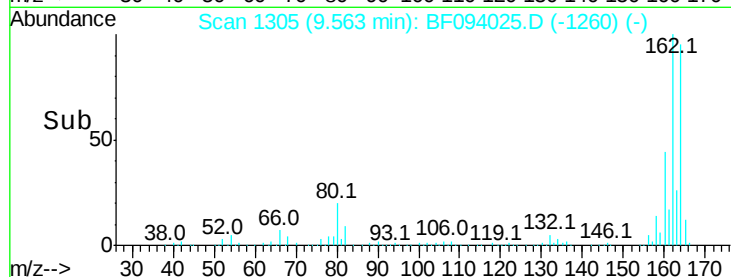
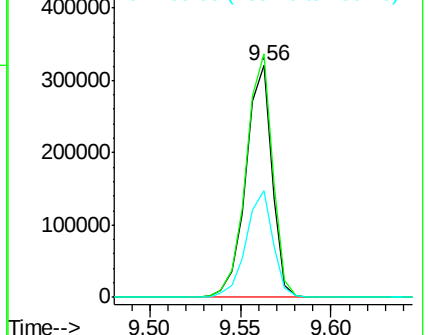
160 46.0 36.2 54.2



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: 116.68 ng

RT: 10.53 min Scan# 1470

Delta R.T. -0.04 min

Lab File: BF094025.D

Acq: 29 Mar 2017 18:22

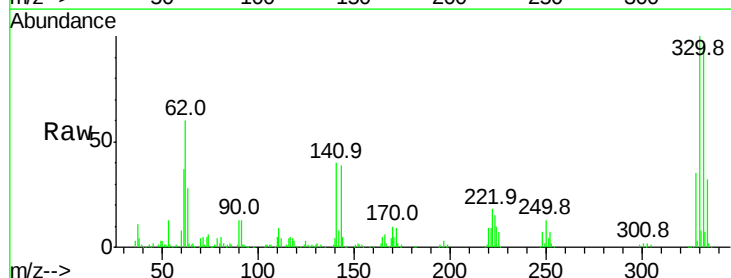
Tgt Ion:330 Resp: 296221

Ion Ratio Lower Upper

330 100

332 97.2 76.6 115.0

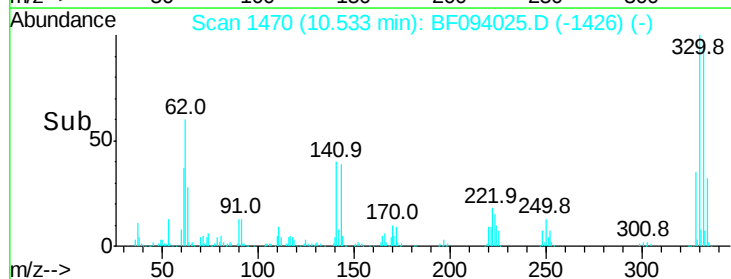
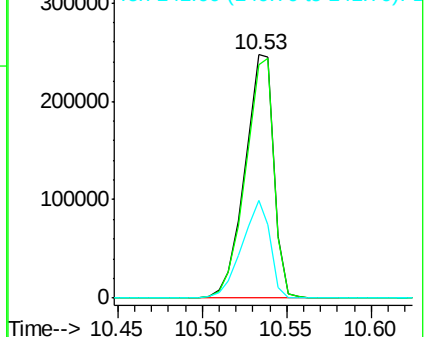
141 39.0 31.4 47.2

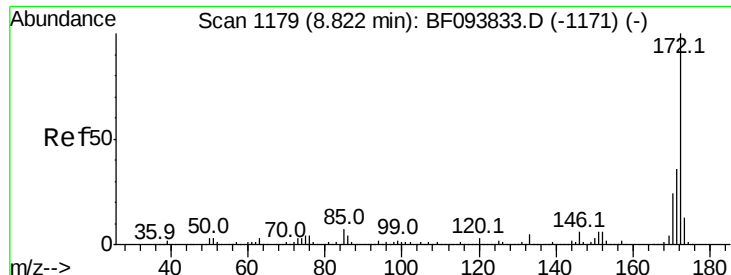


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

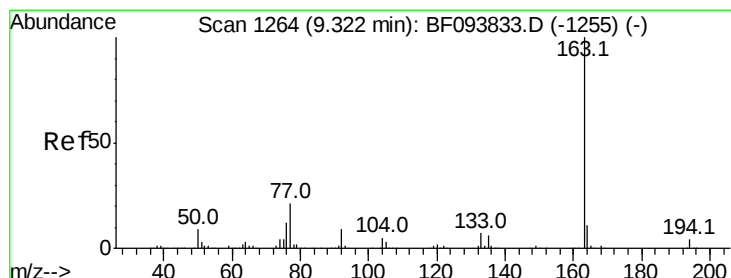
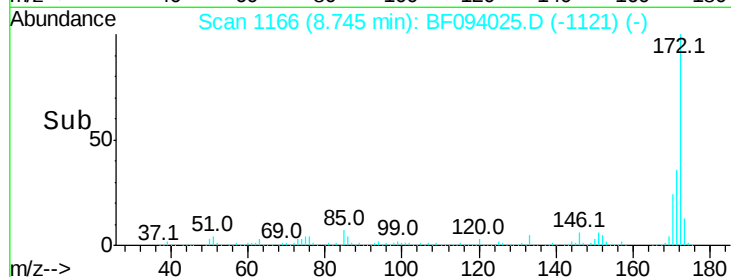
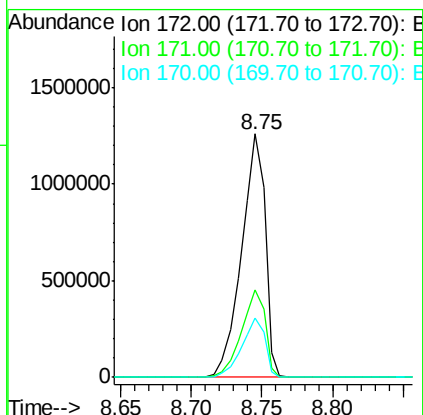
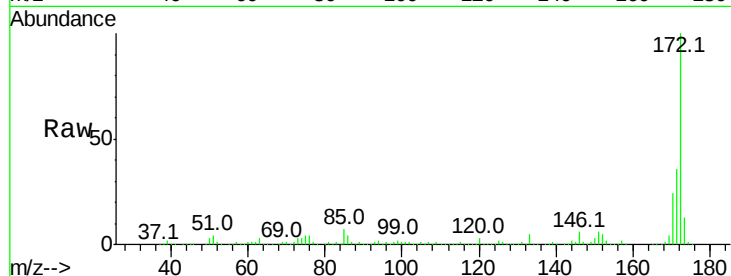




#44
2-Fluorobiphenyl
Concen: 69.84 ng
RT: 8.75 min Scan# 1166
Delta R.T. -0.04 min
Lab File: BF094025.D
Acq: 29 Mar 2017 18:22

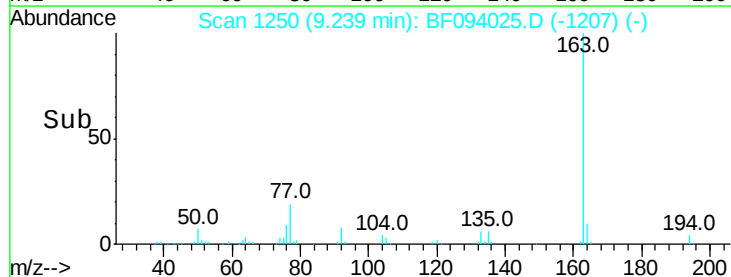
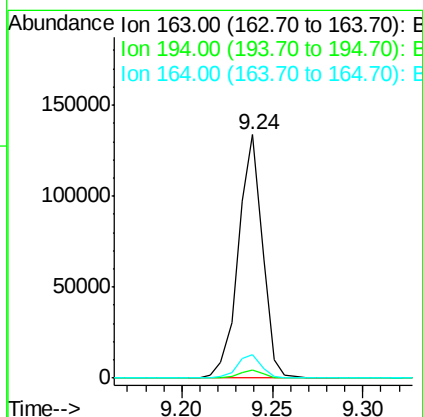
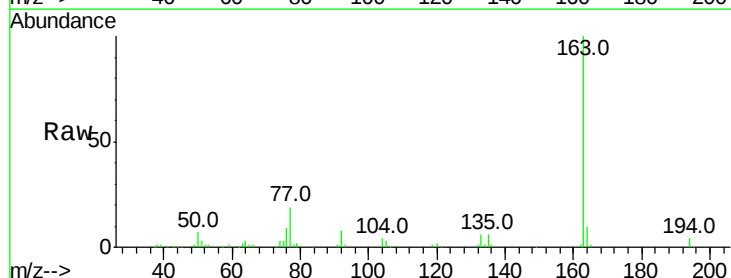
Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tot Ion:172 Resp: 1470998
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.3 19.8 29.8



#49
Dimethylphthalate
Concen: 5.42 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.05 min
Lab File: BF094025.D
Acq: 29 Mar 2017 18:22

Tgt Ion:163 Resp: 123667
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.6 8.4 12.6

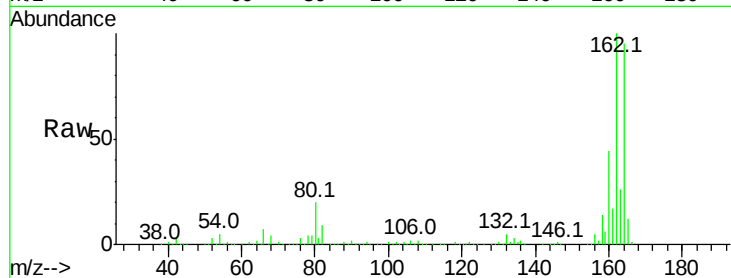




#56
 2,4-Dinitrotoluene
 Concen: 6.17 ng
 RT: 9.56 min Scan# 1305
 Delta R.T. -0.28 min
 Lab File: BF094025.D
 Acq: 29 Mar 2017 18:22

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q14-BASE

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#

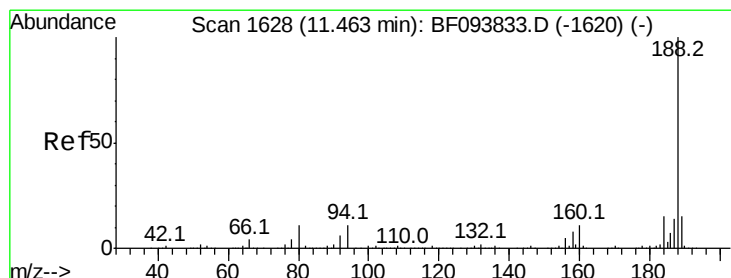
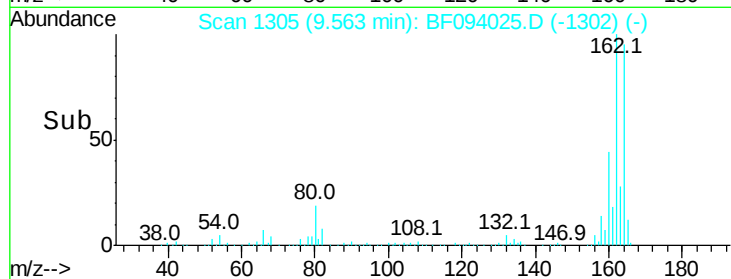
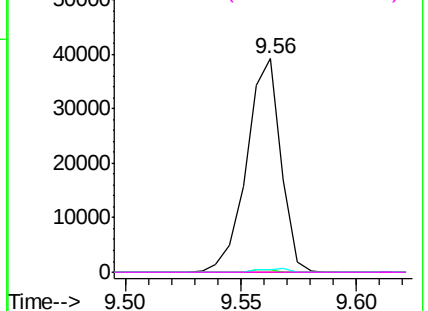


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

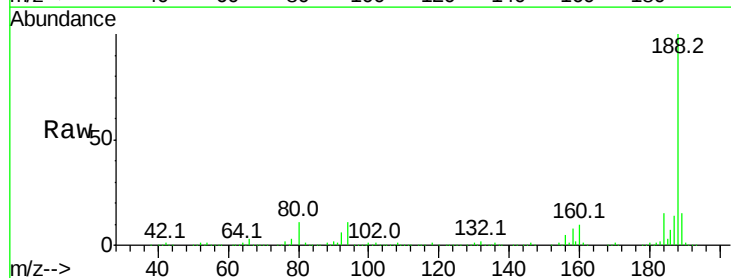
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1615
 Delta R.T. -0.04 min
 Lab File: BF094025.D
 Acq: 29 Mar 2017 18:22

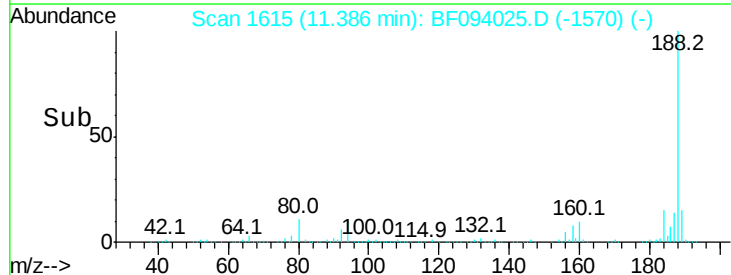
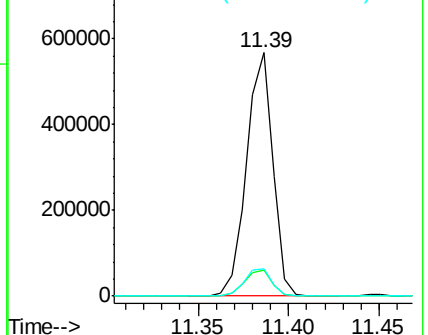
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	11.1	10.2	15.2

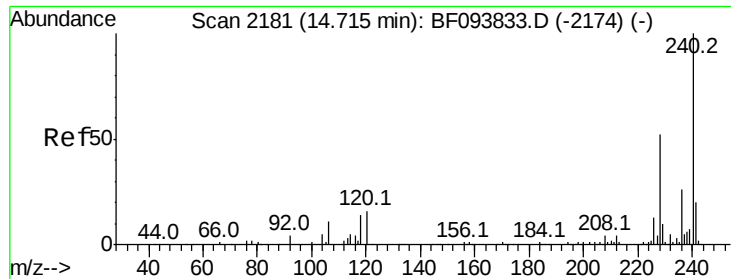


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

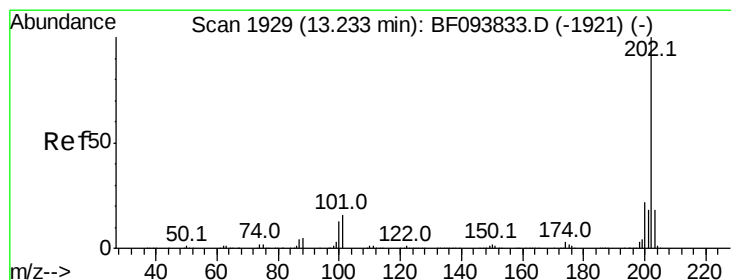
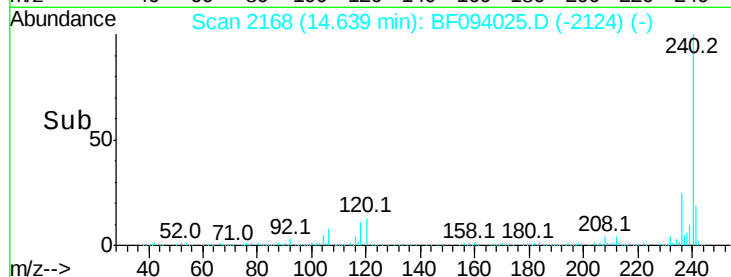
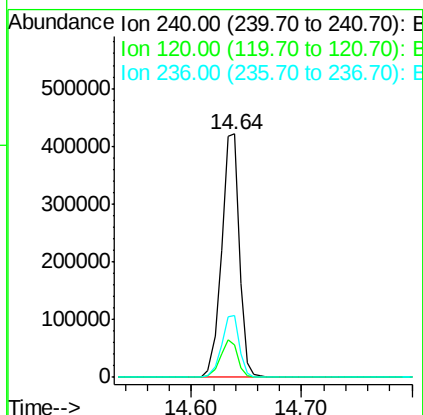
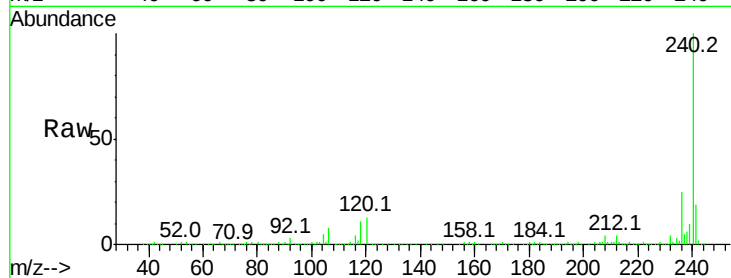




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.64 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF094025.D
Acq: 29 Mar 2017 18:22

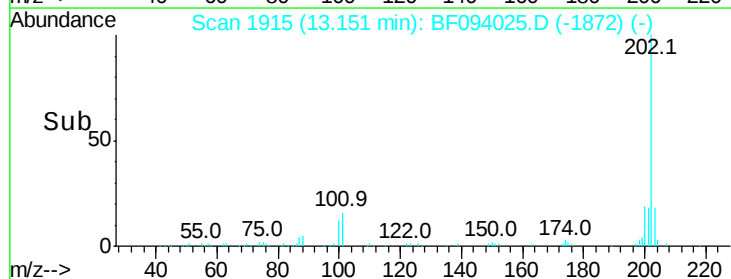
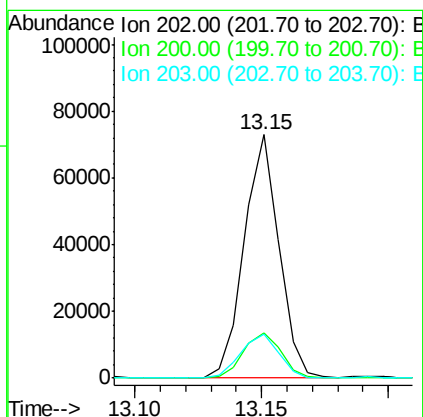
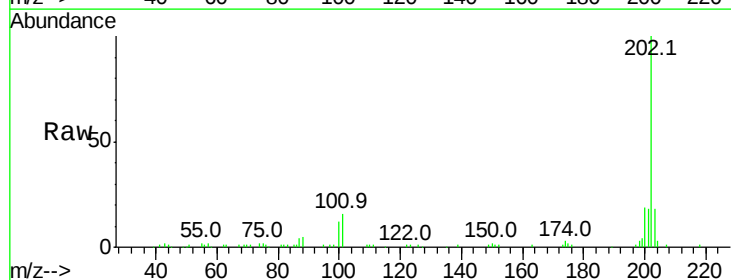
Instrument :
BNA_F
ClientSampled :
E2-Q14-BASE

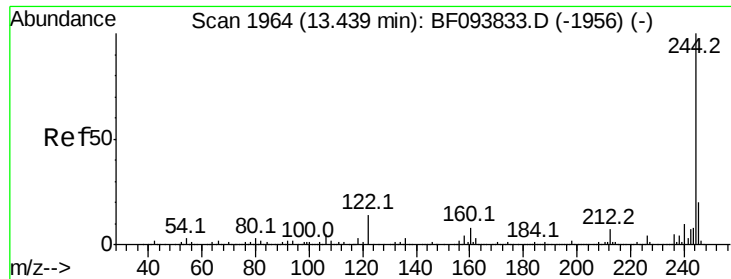
Tot Ion:240 Resp: 474785
Ion Ratio Lower Upper
240 100
120 13.4 5.8 8.8#
236 25.4 20.5 30.7



#77
Pyrene
Concen: 2.03 ng
RT: 13.15 min Scan# 1915
Delta R.T. -0.05 min
Lab File: BF094025.D
Acq: 29 Mar 2017 18:22

Tgt Ion:202 Resp: 69976
Ion Ratio Lower Upper
202 100
200 18.7 17.6 26.4
203 17.8 14.4 21.6





#78

Terphenyl-d14

Concen: 57.13 ng

RT: 13.37 min Scan# 1952

Delta R.T. -0.04 min

Lab File: BF094025.D

Acq: 29 Mar 2017 18:22

Instrument :

BNA_F

ClientSampleId :

E2-Q14-BASE

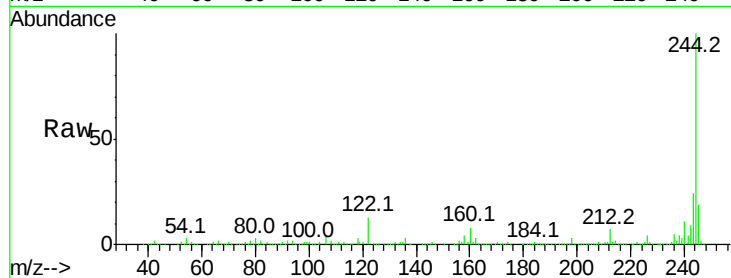
Tot Ion:244 Resp: 1210177

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

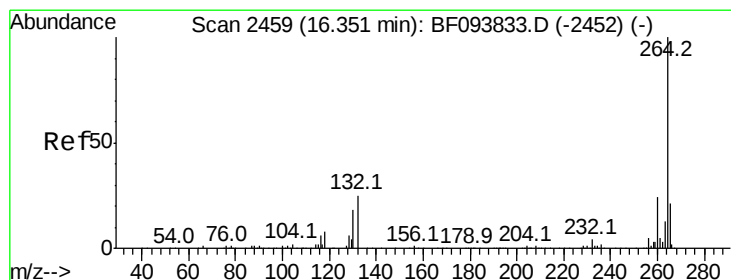
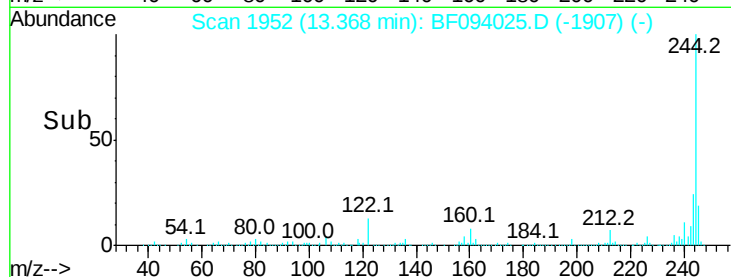
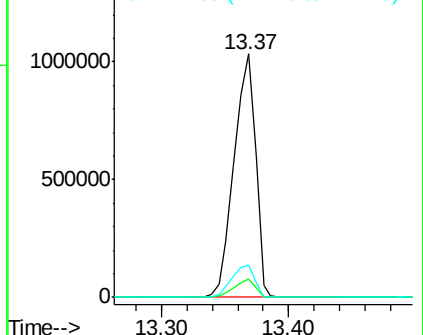
122 13.3 10.3 15.5



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: 16.27 min Scan# 2445

Delta R.T. -0.04 min

Lab File: BF094025.D

Acq: 29 Mar 2017 18:22

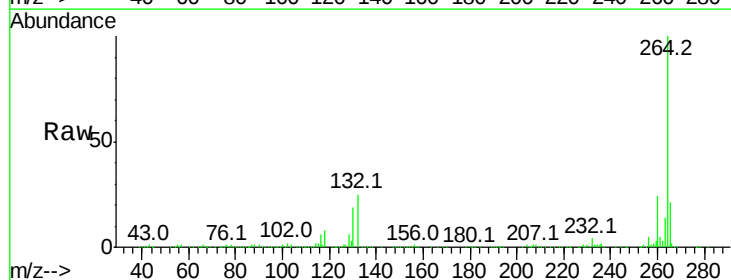
Tgt Ion:264 Resp: 339468

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

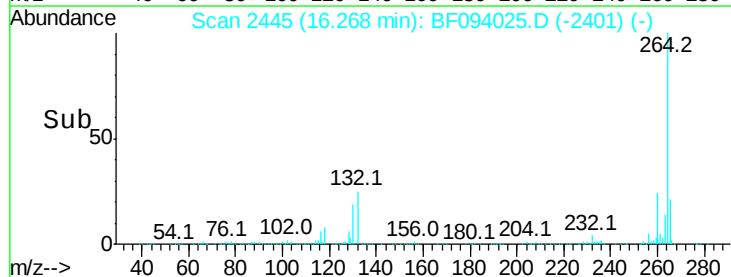
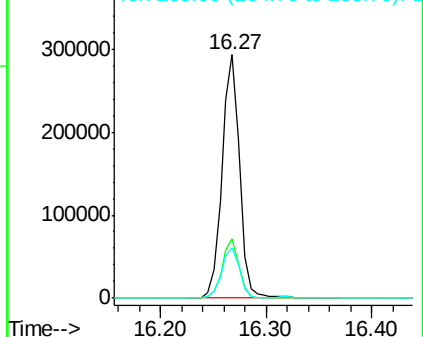
265 20.9 17.2 25.8

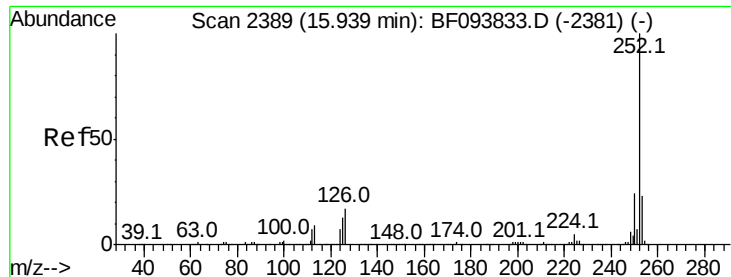


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

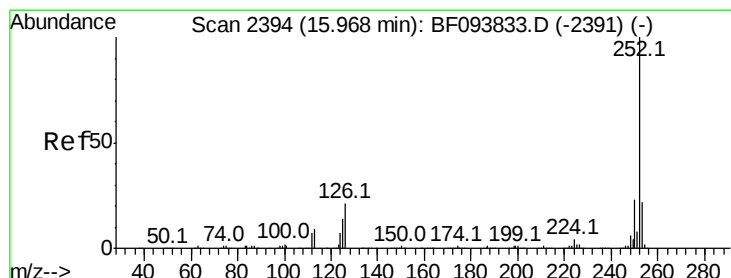
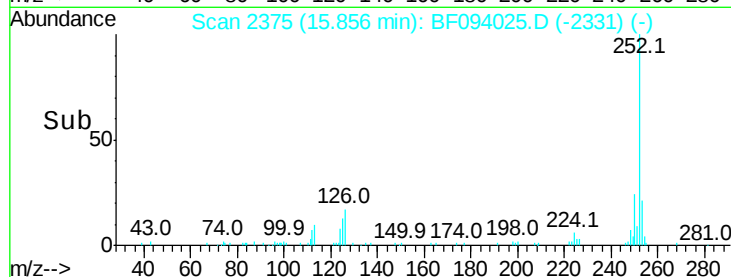
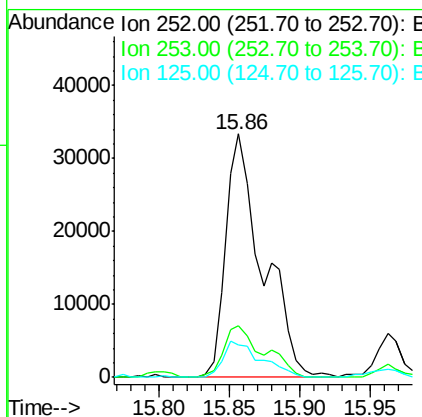
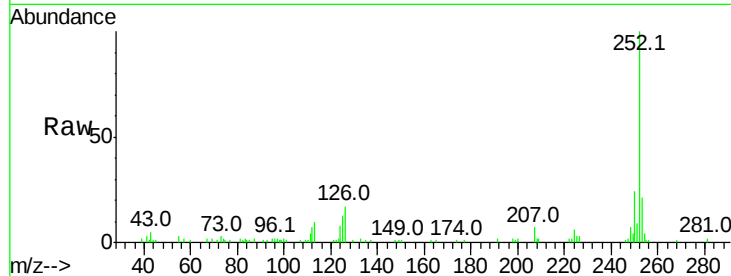




#87
Benzo(b)fluoranthene
Concen: 2.93 ng
RT: 15.86 min Scan# 2375
Delta R.T. -0.04 min
Lab File: BF094025.D
Acq: 29 Mar 2017 18:22

Instrument :
BNA_F
ClientSampleId :
E2-Q14-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	13.5	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 3.00 ng
RT: 15.86 min Scan# 2375
Delta R.T. -0.08 min
Lab File: BF094025.D
Acq: 29 Mar 2017 18:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.4	27.6
125	13.5	13.1	19.7

