

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071117\
 Data File : BF096677.D
 Acq On : 12 Jul 2017 7:28
 Operator : SJ/JU
 Sample : I4130-13
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS2-NSW

Quant Time: Jul 12 08:32:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	108198	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	347065	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	135433	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	211669	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	193455	20.00	ng	-0.02
86) Perylene-d12	15.23	264	130036	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	552507	75.37	ng	-0.01
7) Phenol-d6	6.33	99	635728	70.54	ng	-0.02
23) Nitrobenzene-d5	7.25	82	400711	69.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	94546	89.37	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	565042	71.33	ng	-0.02
78) Terphenyl-d14	12.78	244	393684	43.49	ng	-0.02

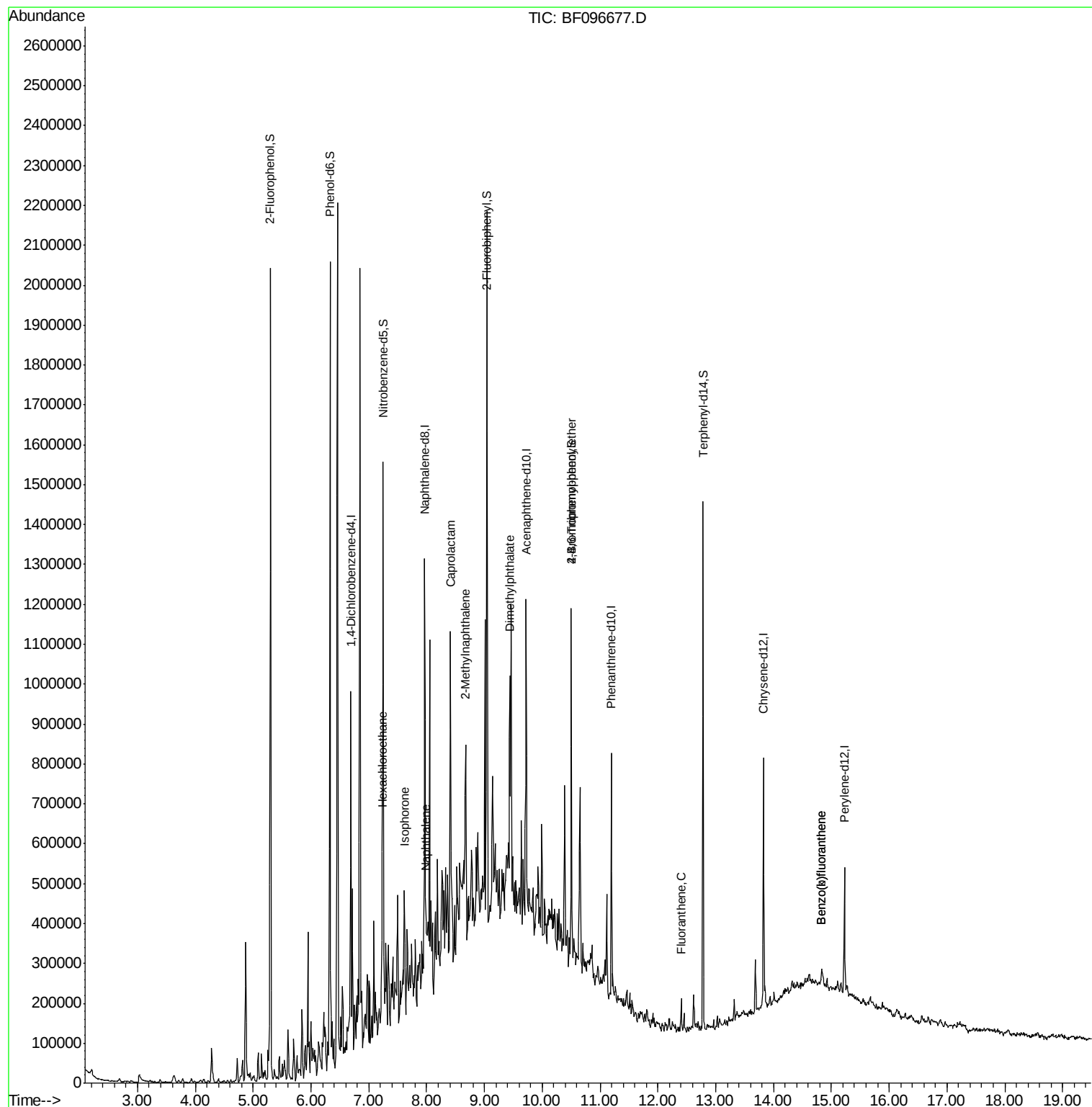
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.23	117	7653	2.577	ng	# 1
25) Isophorone	7.62	82	25151	2.246	ng	# 1
31) Naphthalene	7.99	128	43788	2.672	ng	# 96
35) Caprolactam	8.41	113	14792	9.105	ng	# 1
37) 2-Methylnaphthalene	8.68	142	55750	5.345	ng	# 99
49) Dimethylphthalate	9.44	163	147158	14.555	ng	# 98
66) 4-Bromophenyl-phenylether	10.50	248	6485	3.147	ng	# 1
74) Fluoranthene	12.40	202	25216	2.248	ng	# 98
87) Benzo(b)fluoranthene	14.83	252	24590	3.018	ng	# 72
88) Benzo(k)fluoranthene	14.83	252	24590	3.374	ng	# 77

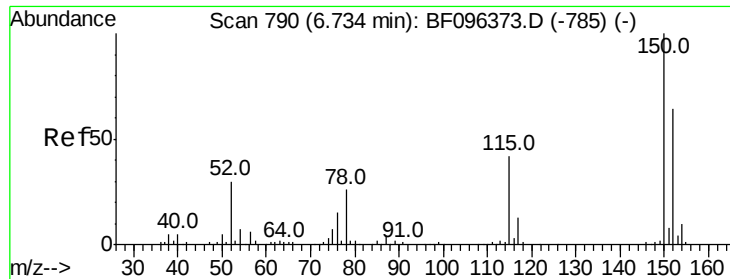
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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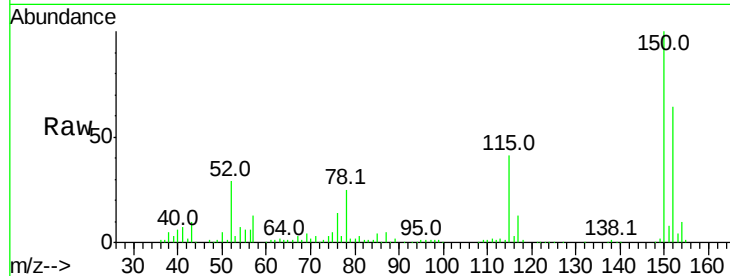


#1

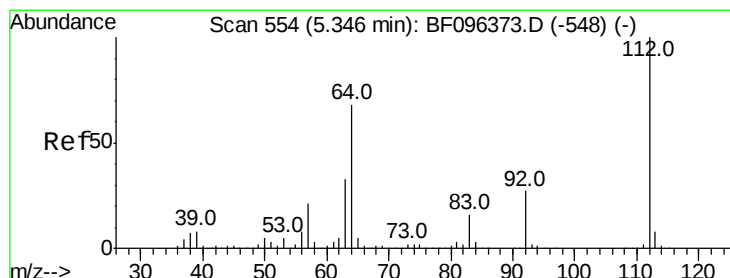
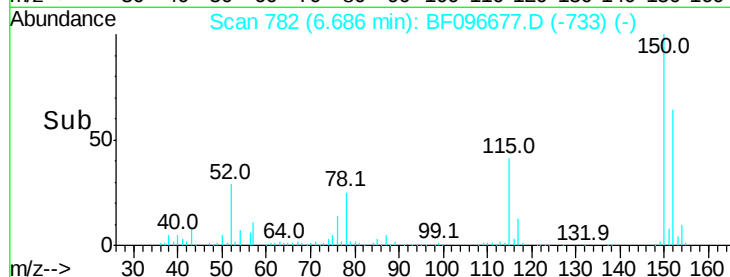
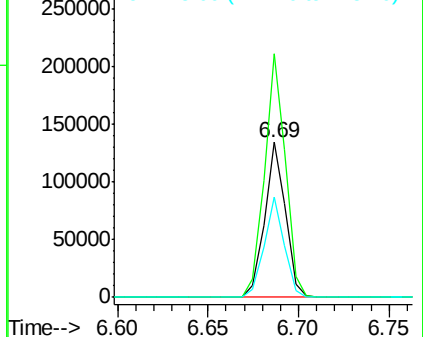
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096677.D
Acq: 12 Jul 2017 7:28

Instrument :
BNA_F
ClientSampleId :
E2-HS2-NSW

Tot Ion:152 Resp: 108198
Ion Ratio Lower Upper
152 100
150 157.1 126.2 189.2
115 64.4 52.2 78.2



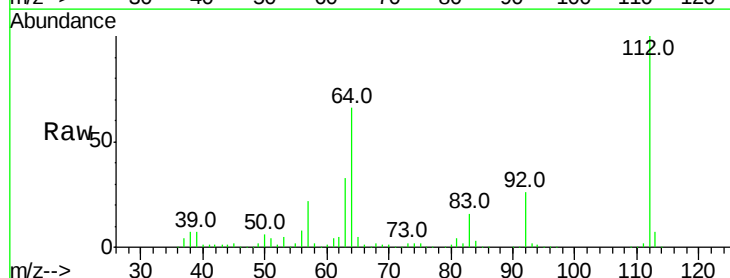
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



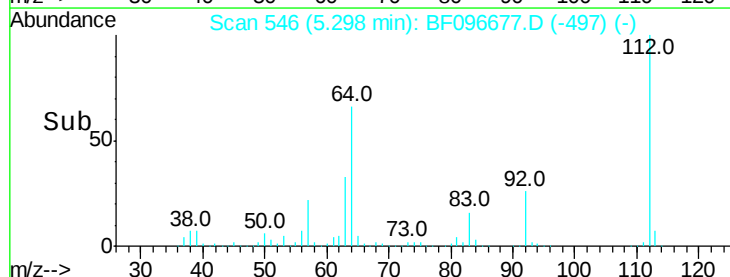
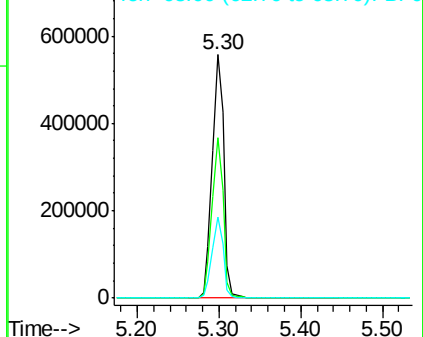
#5

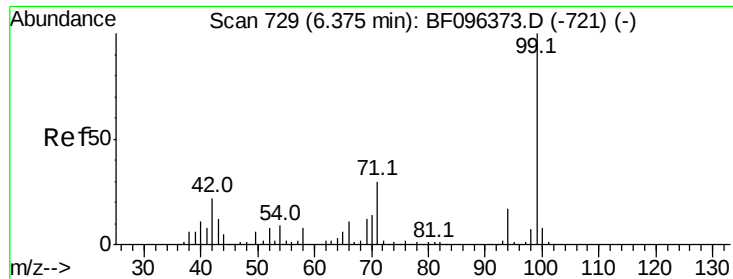
2-Fluorophenol
Concen: 75.370 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096677.D
Acq: 12 Jul 2017 7:28

Tgt Ion:112 Resp: 552507
Ion Ratio Lower Upper
112 100
64 66.0 46.0 69.0
63 33.5 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: 70.542 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096677.D

Acq: 12 Jul 2017 7:28

Instrument :

BNA_F

ClientSampleId :

E2-HS2-NSW

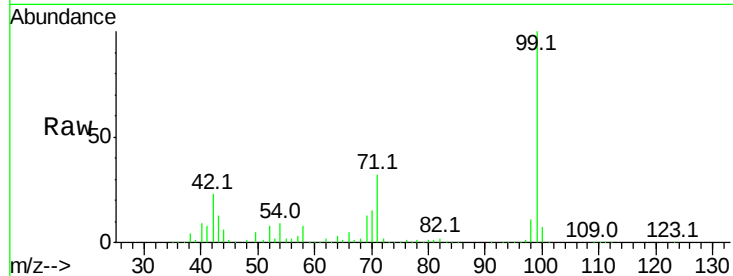
Tot Ion: 99 Resp: 635728

Ion Ratio Lower Upper

99 100

42 22.9 13.5 20.3#

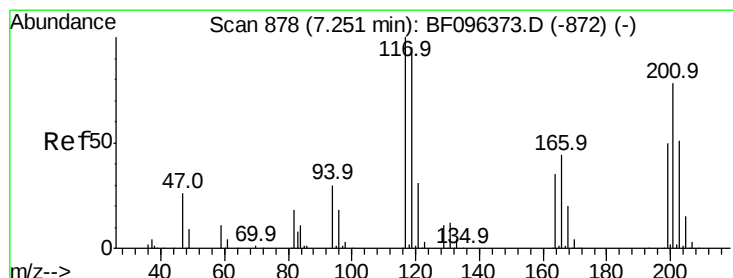
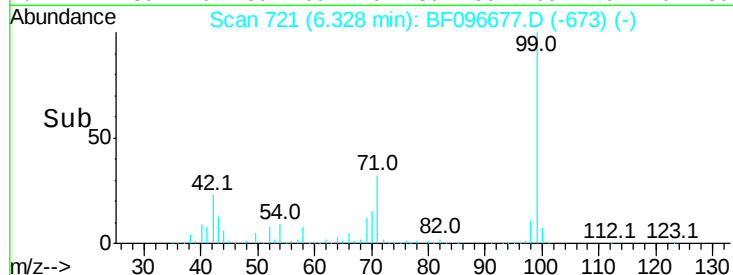
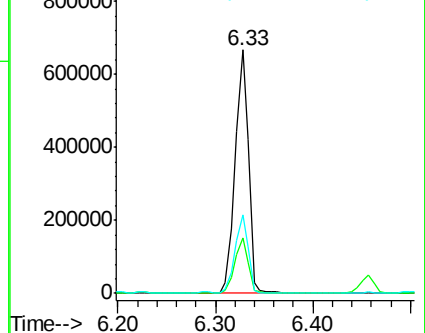
71 32.5 24.5 36.7



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



#18

Hexachloroethane

Concen: 2.577 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.01 min

Lab File: BF096677.D

Acq: 12 Jul 2017 7:28

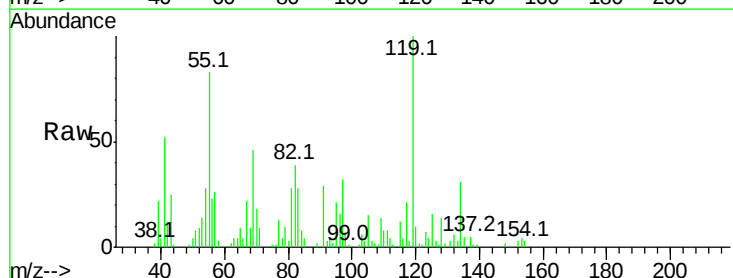
Tgt Ion: 117 Resp: 7653

Ion Ratio Lower Upper

117 100

119 487.3 77.4 116.0#

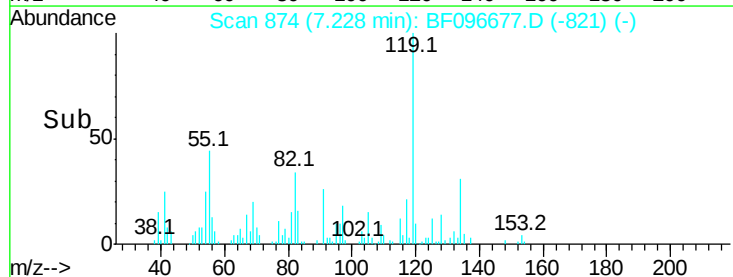
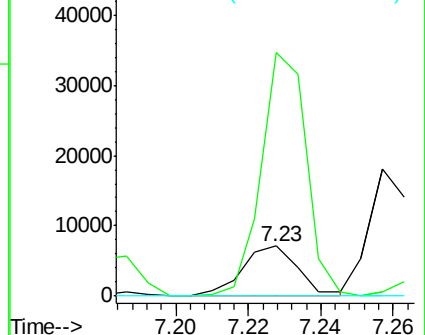
201 0.0 94.6 141.8#

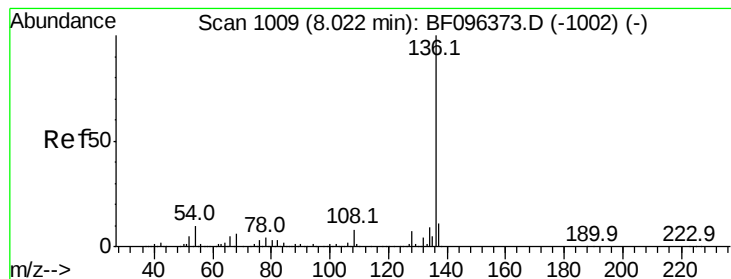


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF096677.D

Acq: 12 Jul 2017 7:28

Instrument :

BNA_F

ClientSampleId :

E2-HS2-NSW

Tot Ion:136 Resp: 347065

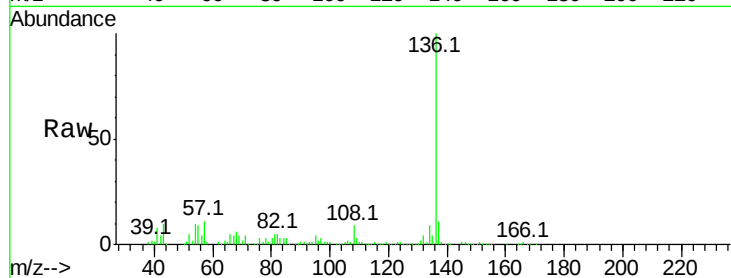
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.1 4.9 7.3#

68 5.9 4.1 6.1

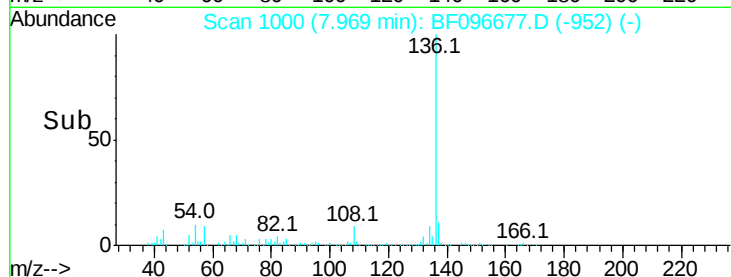


Abundance Ion 136.00 (135.70 to 136.70): E

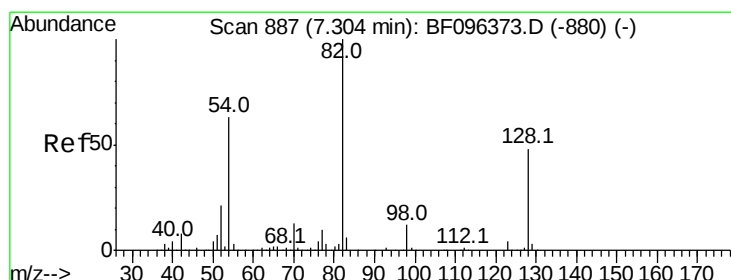
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 69.379 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF096677.D

Acq: 12 Jul 2017 7:28

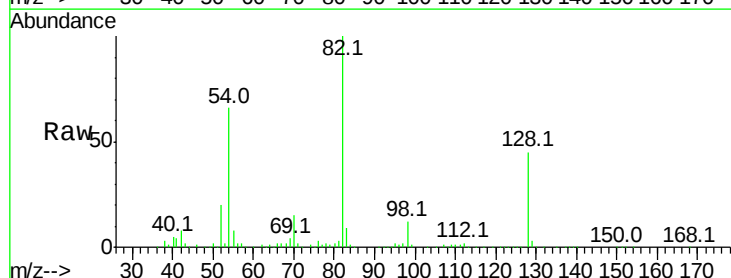
Tgt Ion: 82 Resp: 400711

Ion Ratio Lower Upper

82 100

128 44.6 34.0 51.0

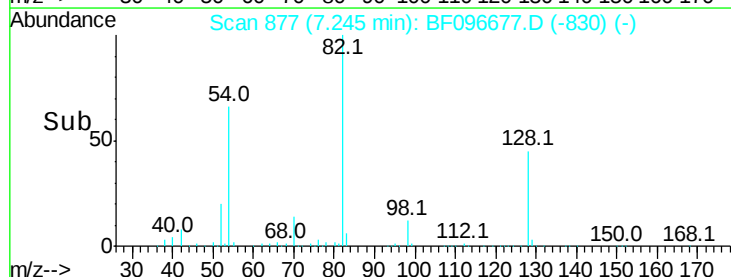
54 65.8 42.2 63.2#



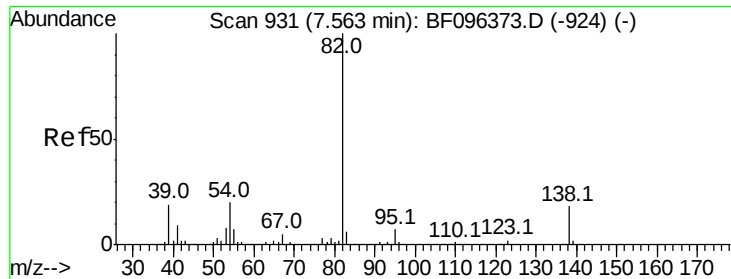
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 2.246 ng

RT: 7.62 min Scan# 940

Delta R.T. 0.09 min

Lab File: BF096677.D

Acq: 12 Jul 2017 7:28

Instrument :

BNA_F

ClientSampleId :

E2-HS2-NSW

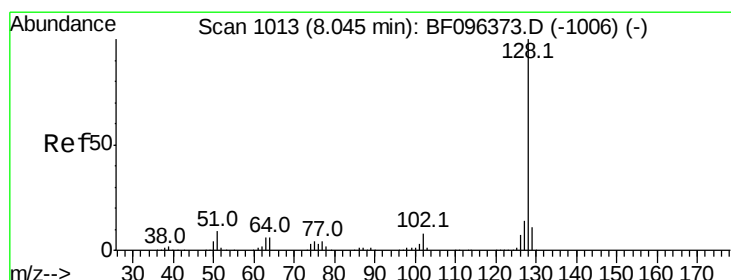
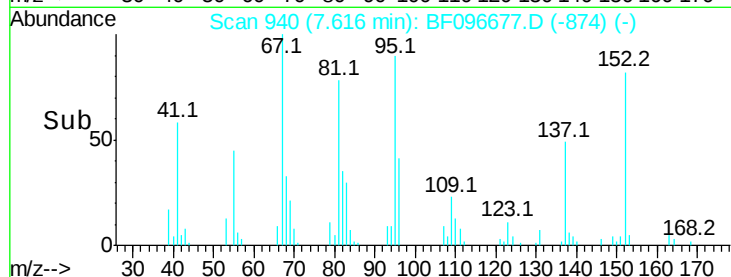
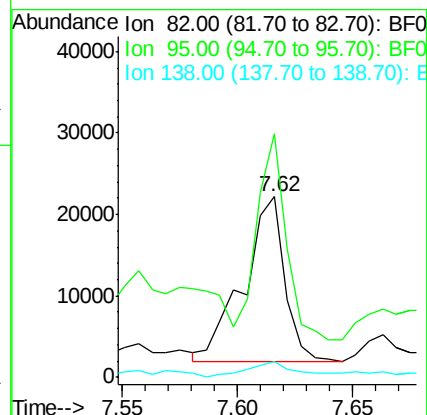
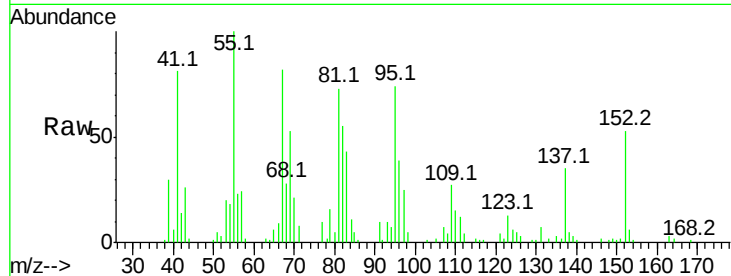
Tot Ion: 82 Resp: 25151

Ion Ratio Lower Upper

82 100

95 135.1 5.3 7.9#

138 8.6 13.1 19.7#



#31

Naphthalene

Concen: 2.672 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF096677.D

Acq: 12 Jul 2017 7:28

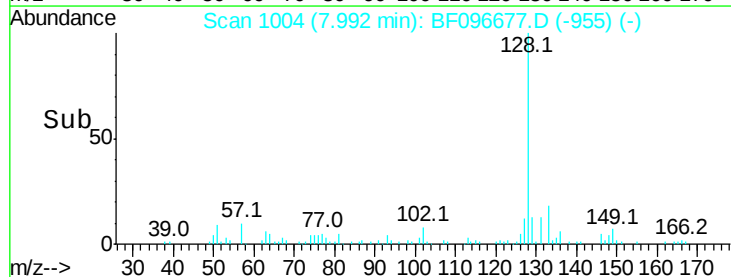
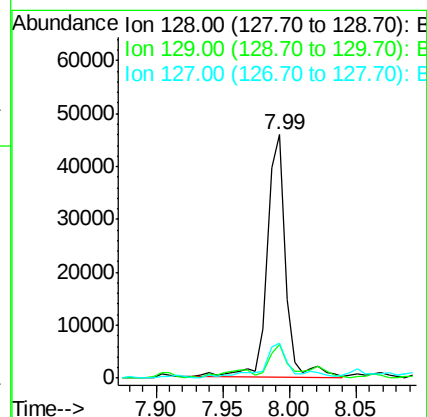
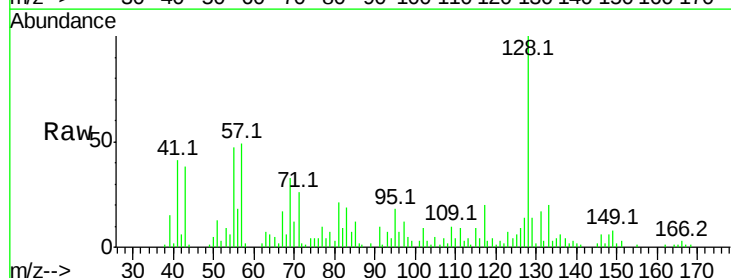
Tgt Ion: 128 Resp: 43788

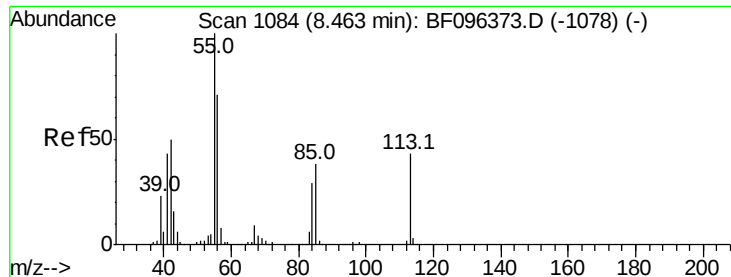
Ion Ratio Lower Upper

128 100

129 13.8 9.0 13.6#

127 14.4 10.8 16.2

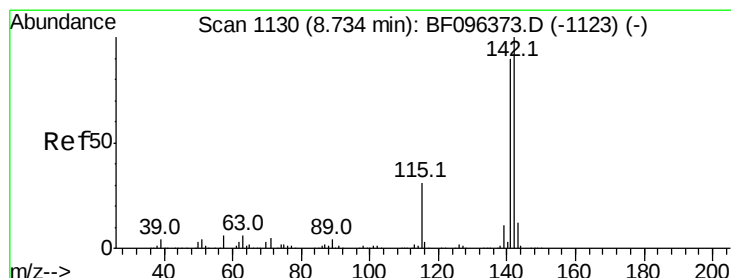
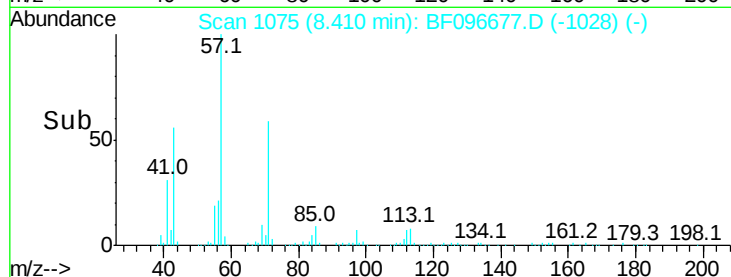
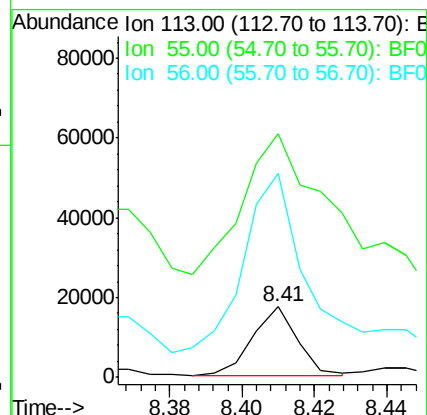
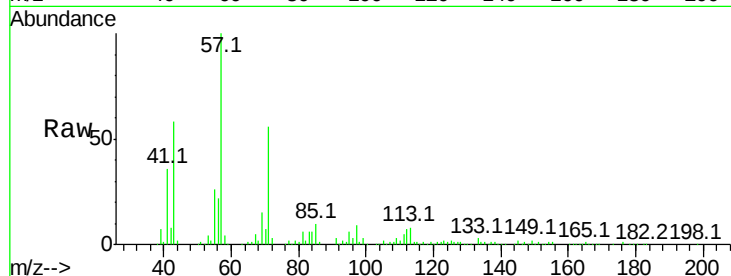




#35
 Caprolactam
 Concen: 9.105 ng
 RT: 8.41 min Scan# 1075
 Delta R.T. -0.02 min
 Lab File: BF096677.D
 Acq: 12 Jul 2017 7:28

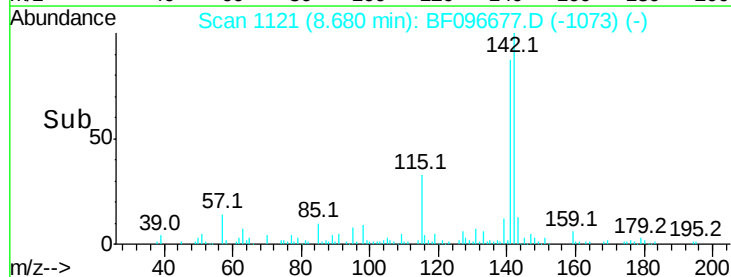
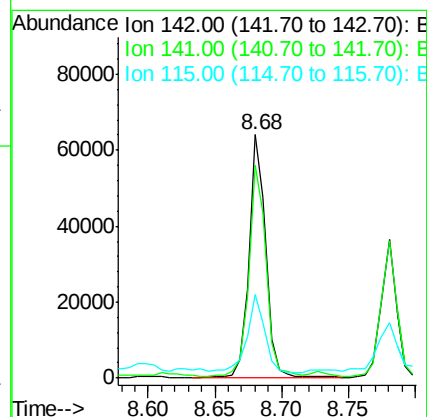
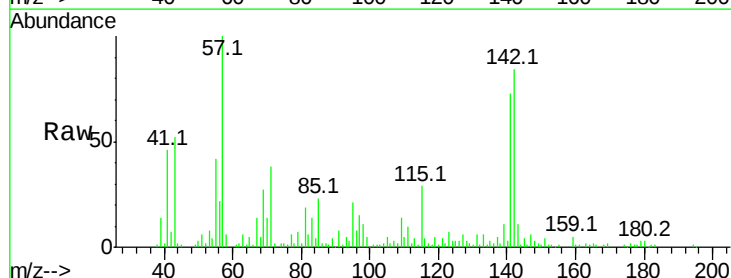
Instrument :
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 E2-HS2-NSW

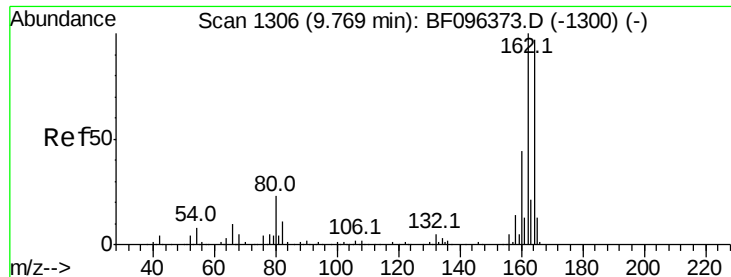
Tot Ion:113 Resp: 14792
 Ion Ratio Lower Upper
 113 100
 55 346.8 150.2 190.2#
 56 290.4 107.8 147.8#



#37
 2-Methylnaphthalene
 Concen: 5.345 ng
 RT: 8.68 min Scan# 1121
 Delta R.T. -0.02 min
 Lab File: BF096677.D
 Acq: 12 Jul 2017 7:28

Tgt Ion:142 Resp: 55750
 Ion Ratio Lower Upper
 142 100
 141 87.6 71.3 106.9
 115 34.2 27.1 40.7

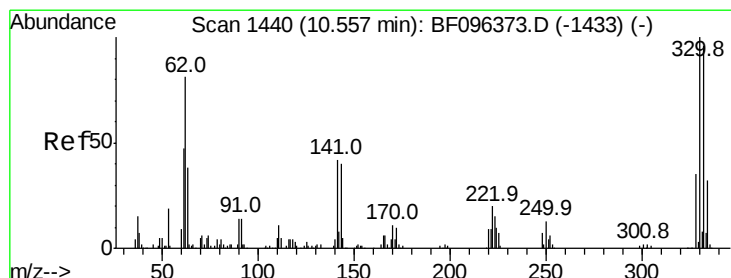
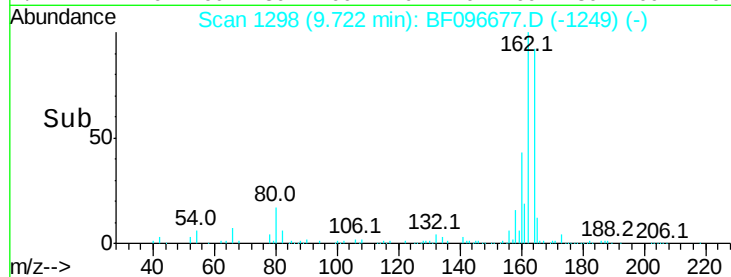
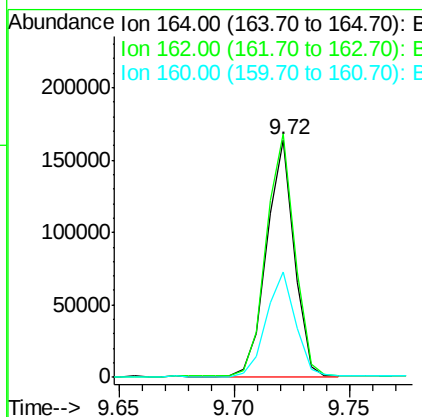
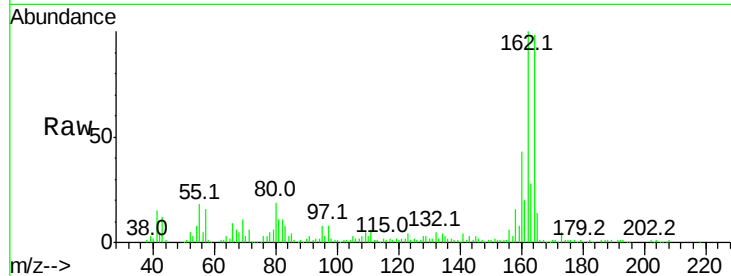




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF096677.D
 Acq: 12 Jul 2017 7:28

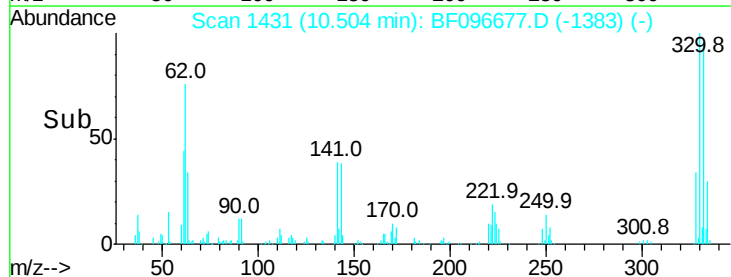
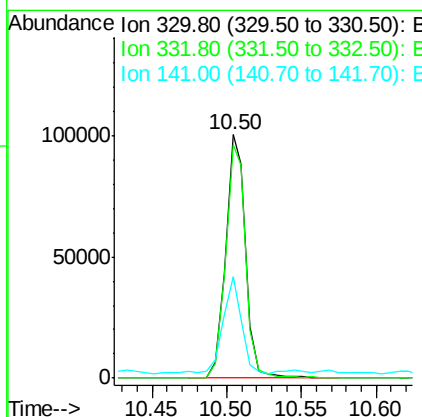
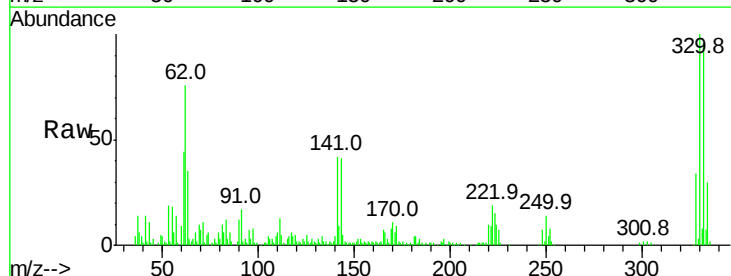
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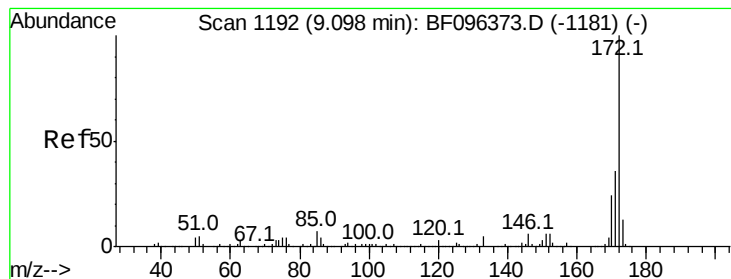
Tot Ion:164 Resp: 135433
 Ion Ratio Lower Upper
 164 100
 162 102.5 82.6 123.8
 160 44.3 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 89.372 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096677.D
 Acq: 12 Jul 2017 7:28

Tgt Ion:330 Resp: 94546
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 115.0
 141 38.5 31.4 47.2





#44

2-Fluorobiphenyl

Concen: 71.334 ng

RT: 9.05 min Scan# 1183

Delta R.T. -0.02 min

Lab File: BF096677.D

Acq: 12 Jul 2017 7:28

Instrument :

BNA_F

ClientSampleId :

E2-HS2-NSW

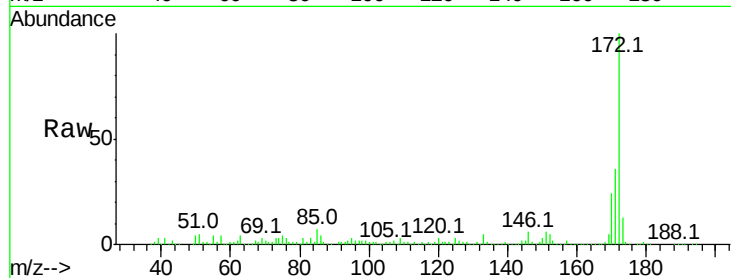
Tot Ion:172 Resp: 565042

Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

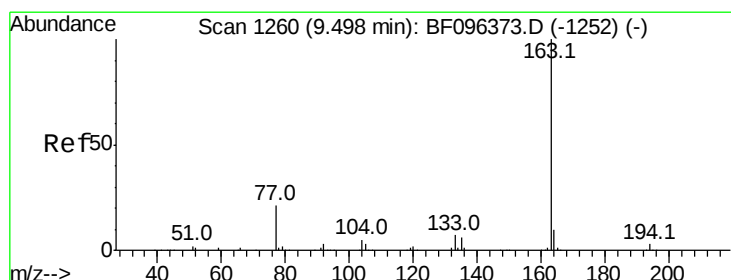
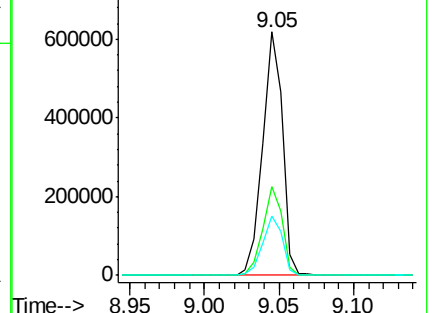
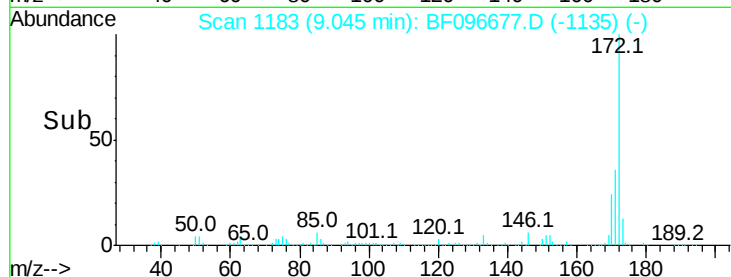
170 24.1 19.8 29.8



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: 14.555 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.03 min

Lab File: BF096677.D

Acq: 12 Jul 2017 7:28

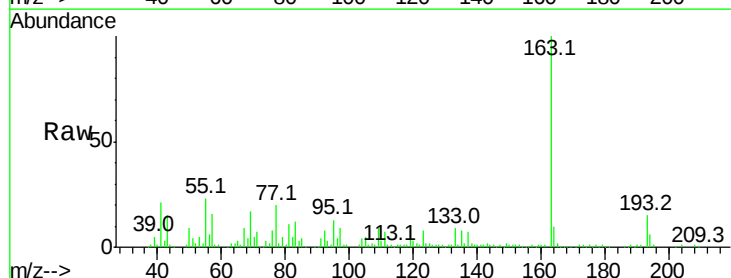
Tgt Ion:163 Resp: 147158

Ion Ratio Lower Upper

163 100

194 5.6 2.6 4.0#

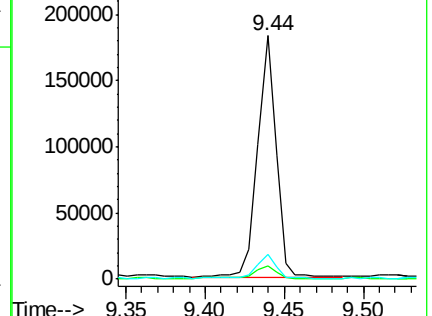
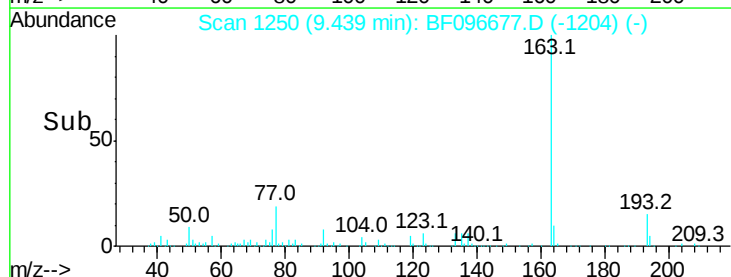
164 10.3 8.4 12.6

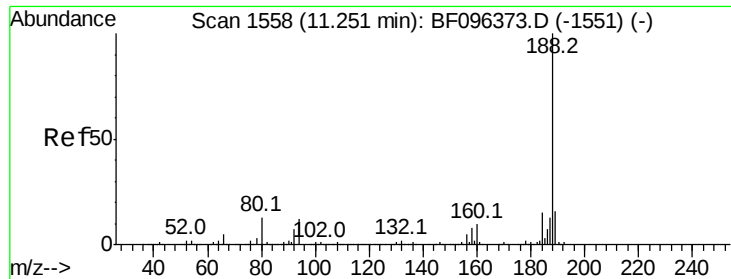


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

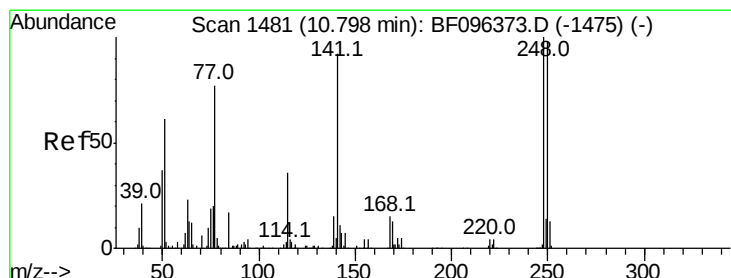
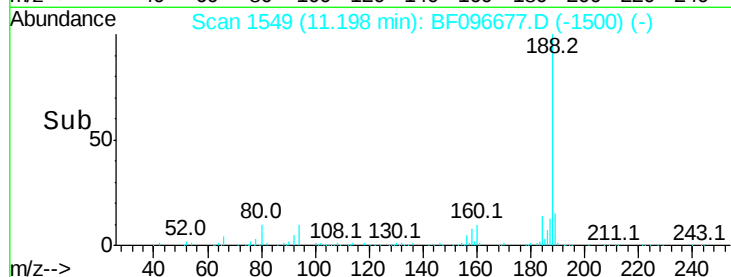
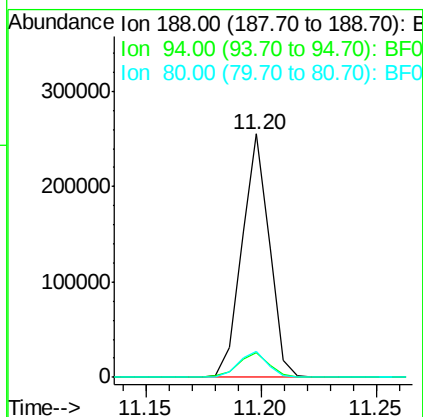
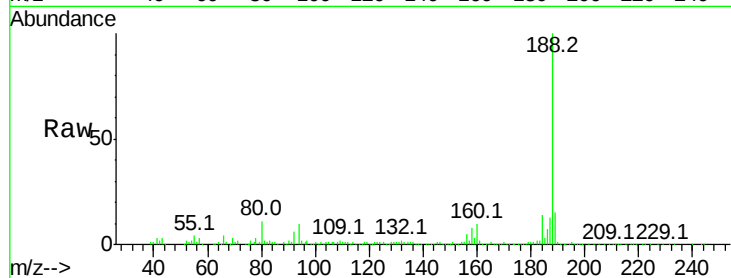




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF096677.D
Acq: 12 Jul 2017 7:28

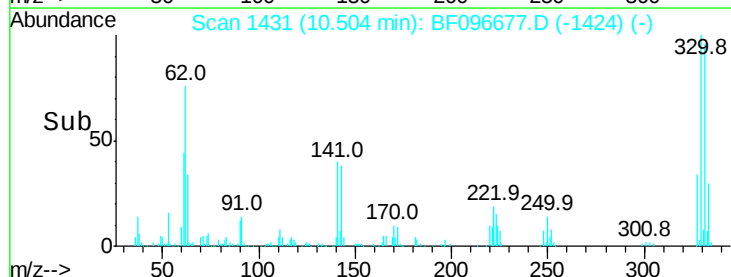
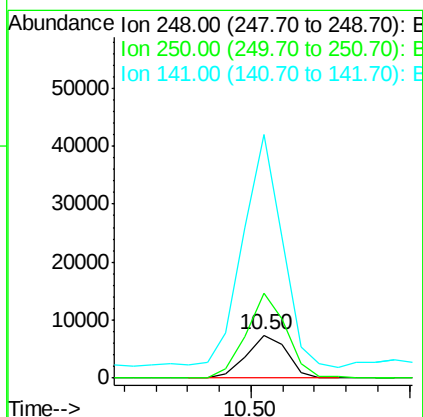
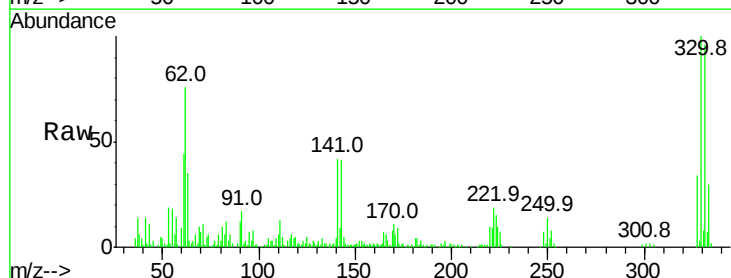
Instrument :
BNA_F
ClientSampleId :
E2-HS2-NSW

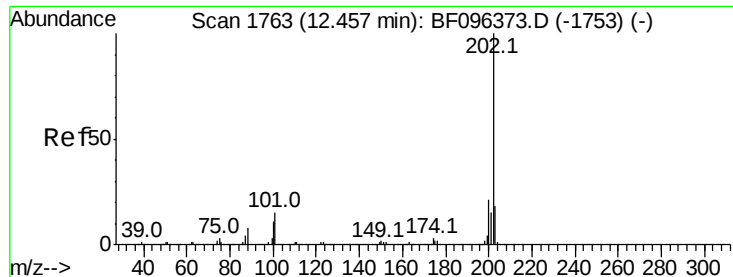
Tot Ion:188 Resp: 211669
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 10.7 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 3.147 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.26 min
Lab File: BF096677.D
Acq: 12 Jul 2017 7:28

Tgt Ion:248 Resp: 6485
Ion Ratio Lower Upper
248 100
250 198.1 76.8 115.2#
141 571.0 68.6 103.0#





#74

Fluoranthene

Concen: 2.248 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BF096677.D

Acq: 12 Jul 2017 7:28

Instrument :

BNA_F

ClientSampleId :

E2-HS2-NSW

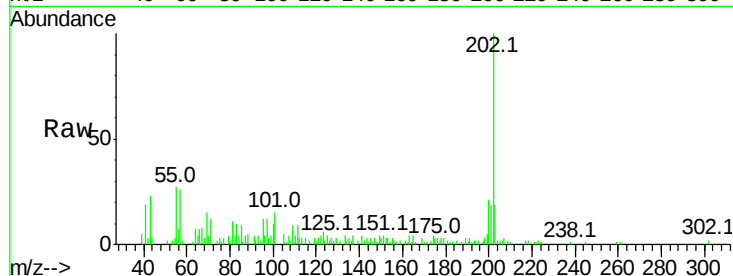
Tot Ion:202 Resp: 25216

Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.2

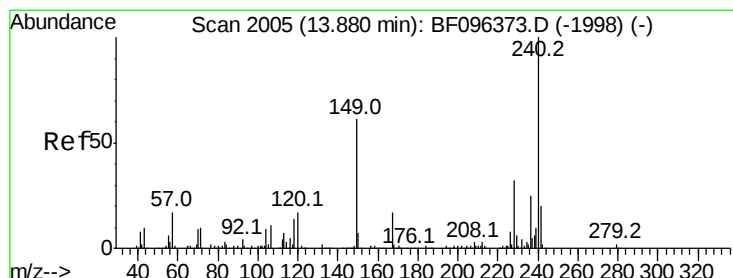
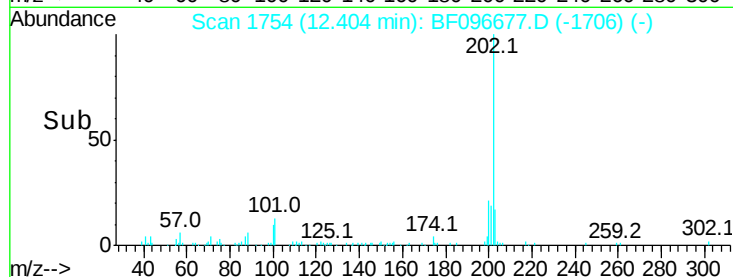
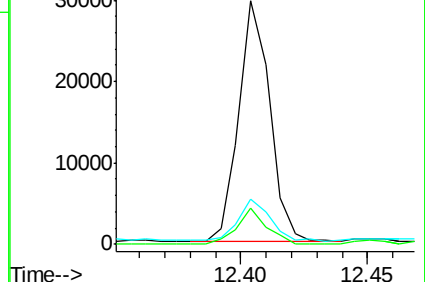
203 18.5 0.0 38.1



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: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF096677.D

Acq: 12 Jul 2017 7:28

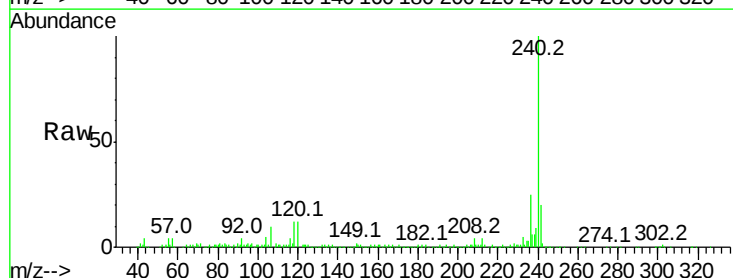
Tgt Ion:240 Resp: 193455

Ion Ratio Lower Upper

240 100

120 12.2 5.8 8.8#

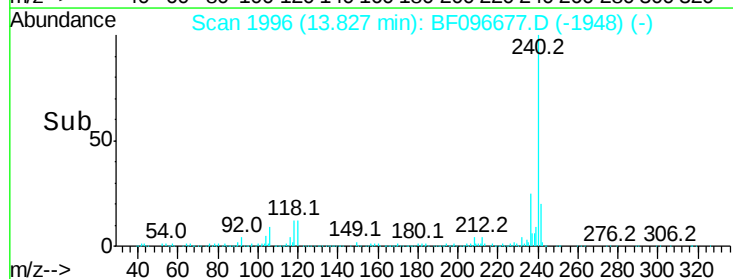
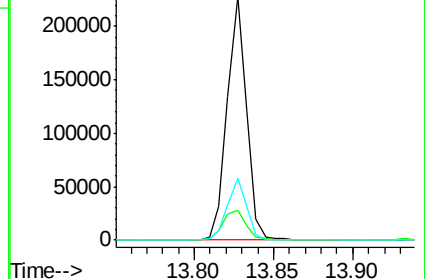
236 25.3 20.5 30.7

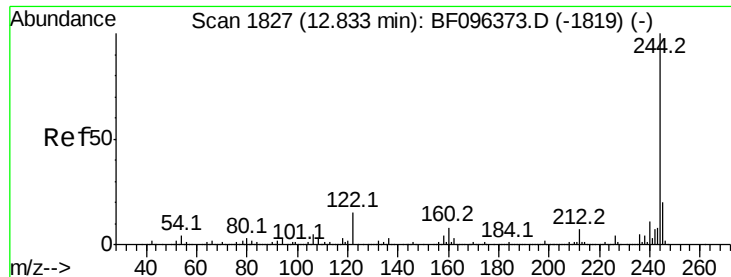


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 43.485 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096677.D

Acq: 12 Jul 2017 7:28

Instrument :

BNA_F

ClientSampleId :

E2-HS2-NSW

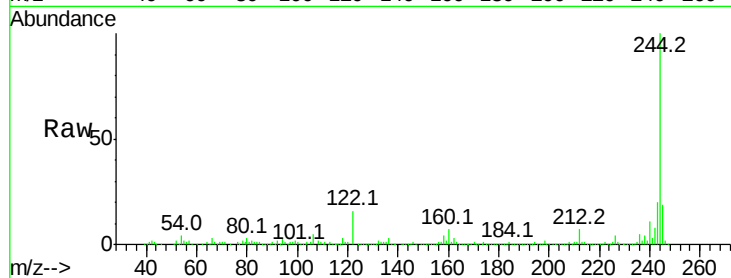
Tot Ion:244 Resp: 393684

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

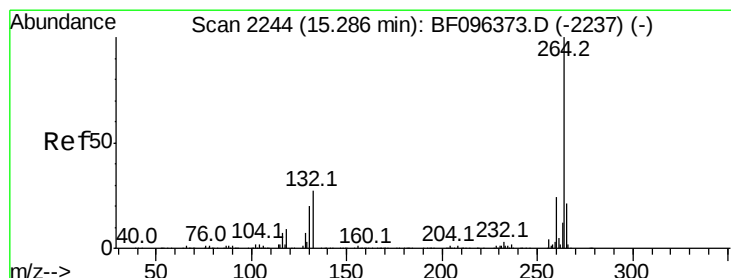
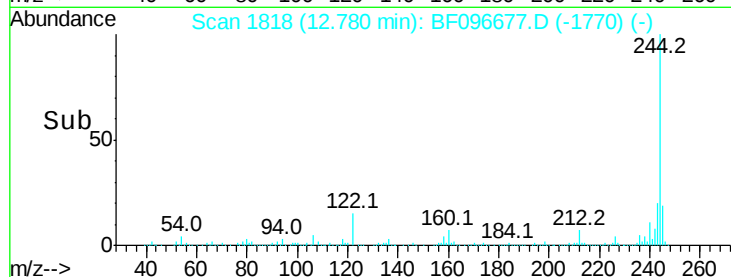
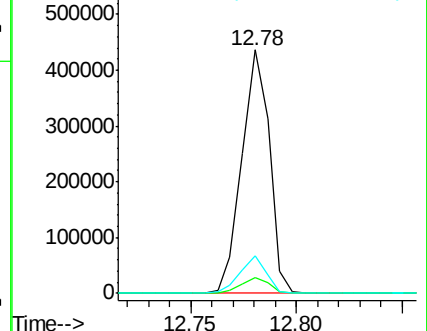
122 15.5 10.3 15.5#



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: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF096677.D

Acq: 12 Jul 2017 7:28

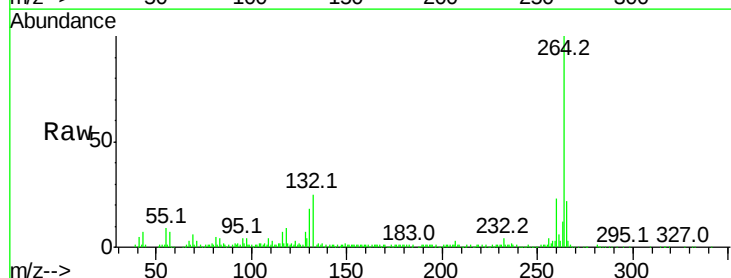
Tgt Ion:264 Resp: 130036

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

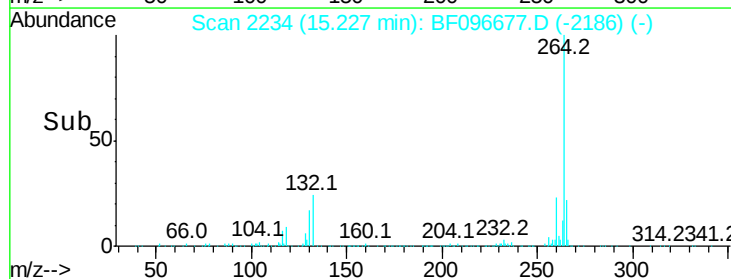
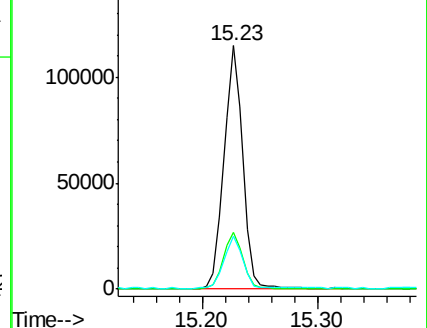
265 21.9 17.2 25.8

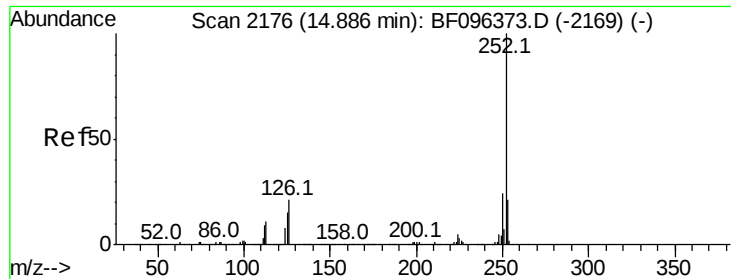


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

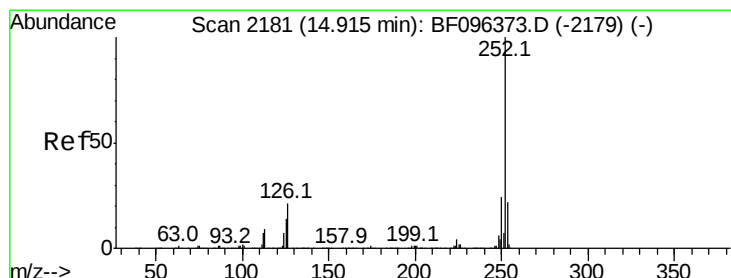
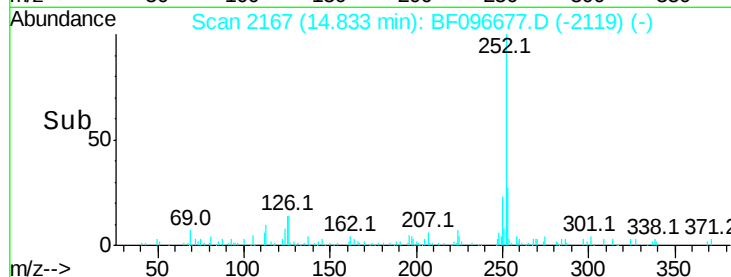
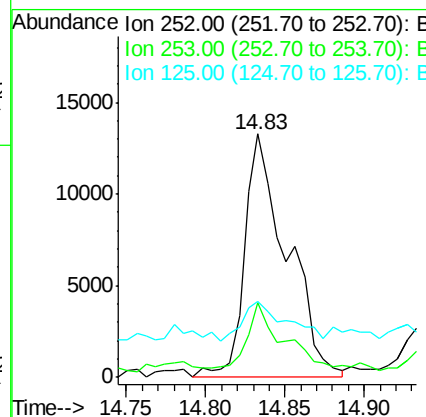
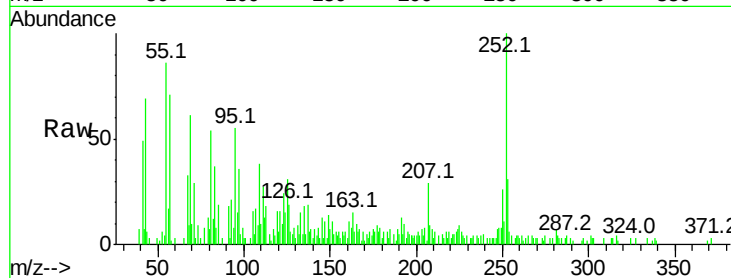




#87
Benzo(b)fluoranthene
Concen: 3.018 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF096677.D
Acq: 12 Jul 2017 7:28

Instrument :
BNA_F
ClientSampleId :
E2-HS2-NSW

Tot Ion:252 Resp: 24590
Ion Ratio Lower Upper
252 100
253 30.6 18.1 27.1#
125 31.0 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 3.374 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.05 min
Lab File: BF096677.D
Acq: 12 Jul 2017 7:28

Tgt Ion:252 Resp: 24590
Ion Ratio Lower Upper
252 100
253 30.6 18.4 27.6#
125 31.0 13.1 19.7#

