

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051515\
 Data File : BF079299.D
 Acq On : 16 May 2015 7:43
 Operator : TP/IZ
 Sample : G2249-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SR-2

Quant Time: May 18 00:58:23 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 01:57:52 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.22
21) Naphthalene-d8	8.75	136	305825	20.00	ng	-0.05
38) Acenaphthene-d10	10.93	164	145173	20.00	ng	-0.05
63) Phenanthrene-d10	12.77	188	264878	20.00	ng	-0.06
75) Chrysene-d12	16.06	240	272850	20.00	ng	-0.45
86) Perylene-d12	18.35	264	11886	20.00	ng	-0.53

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.75	99	573226	0.00	ng	-0.03
23) Nitrobenzene-d5	7.87	82	419727	78.88	ng	-0.05
41) 2,4,6-Tribromophenol	11.91	330	196883	125.36	ng	-0.05
44) 2-Fluorobiphenyl	10.10	172	783182	75.16	ng	-0.05
78) Terphenyl-d14	0.00	244	0	0.00	ng	

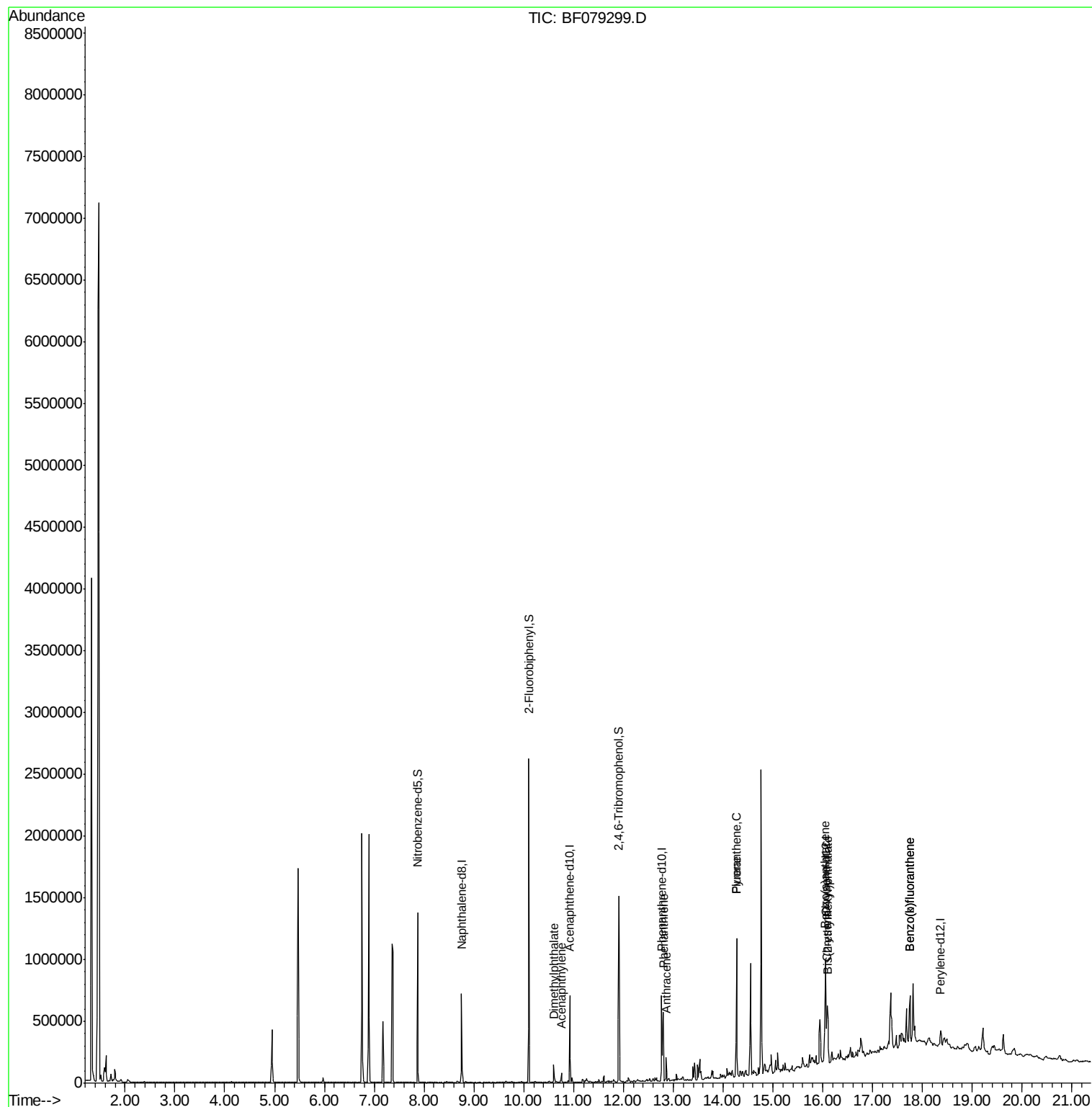
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	10.75	152	35759	2.42	ng	98
49) Dimethylphthalate	10.60	163	57702	5.42	ng	100
70) Phenanthrene	12.80	178	253644	17.12	ng	99
71) Anthracene	12.86	178	79640	5.48	ng	99
74) Fluoranthene	14.27	202	464575	30.09	ng	97
77) Pyrene	14.27	202	464575	29.55	ng	98
80) Benzo(a)anthracene	16.05	228	263501	17.64	ng	97
82) Chrysene	16.09	228	190246	13.24	ng	97
83) Bis(2-ethylhexyl)phthalate	16.10	149	103914	9.98	ng	96
87) Benzo(b)fluoranthene	17.75	252	212123	326.05	ng	97
88) Benzo(k)fluoranthene	17.75	252	211302	335.50	ng	# 96

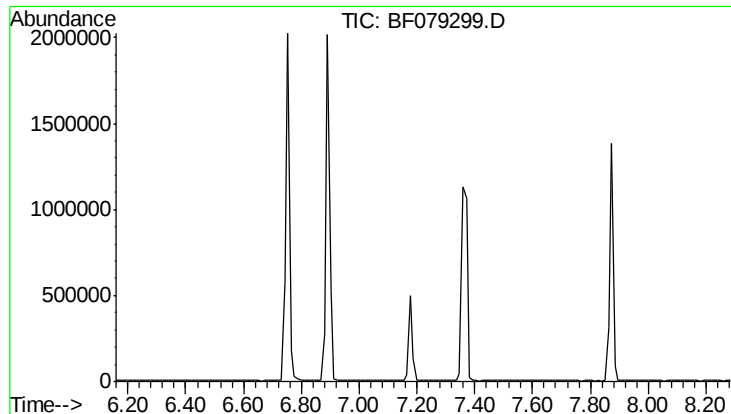
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 7.22 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

Instrument :

BNA_F

ClientSampleId :

SR-2

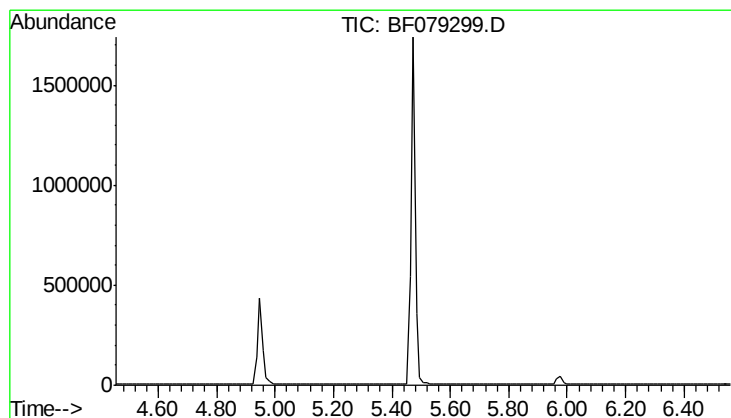
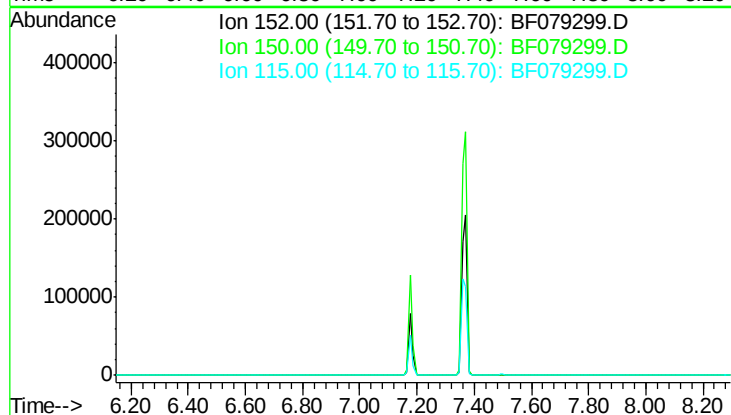
Tgt Ion: 152

Sig Exp Ratio

152 100

150 154.8

115 61.7



#5

2-Fluorophenol

Concen: 0.00 ng

Expected RT: 5.51 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

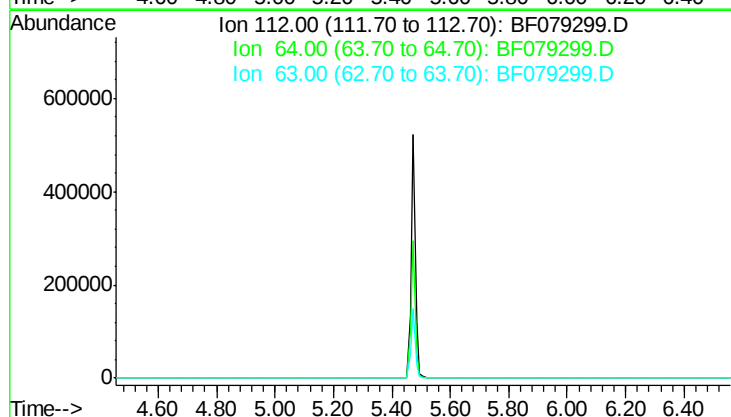
Tgt Ion: 112

Sig Exp Ratio

112 100

64 55.2

63 28.4





#7

Phenol-d6

Concen: 0.00 ng

RT: 6.75 min Scan# 487

Delta R.T. -0.03 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

Instrument :

BNA_F

ClientSampled :

SR-2

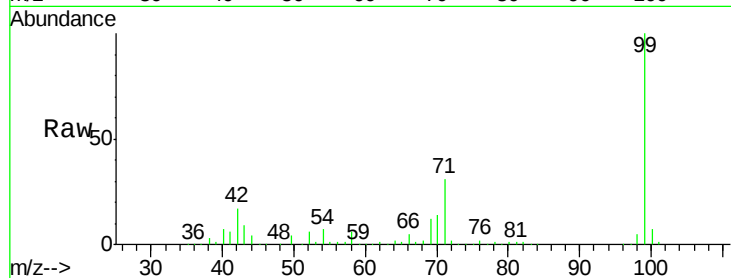
Tgt Ion: 99 Resp: 573226

Ion Ratio Lower Upper

99 100

42 17.0 17.1 25.7#

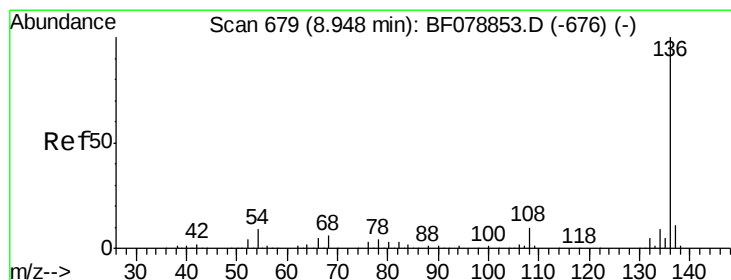
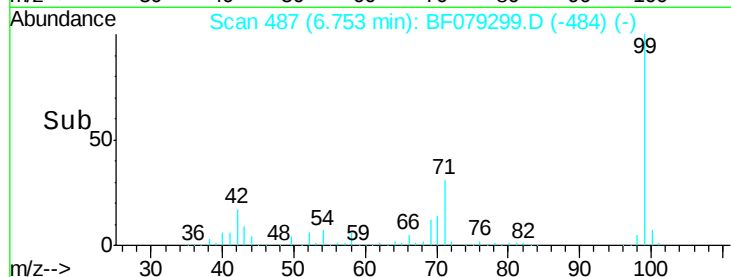
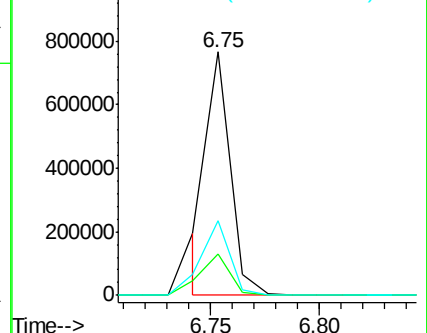
71 30.9 26.3 39.5



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.75 min Scan# 662

Delta R.T. -0.05 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

Tgt Ion: 136 Resp: 305825

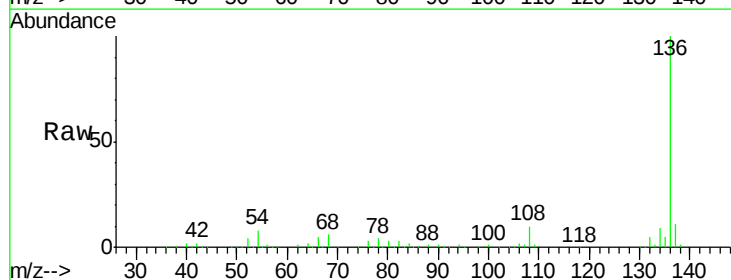
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.7 6.9 10.3

68 5.8 4.9 7.3

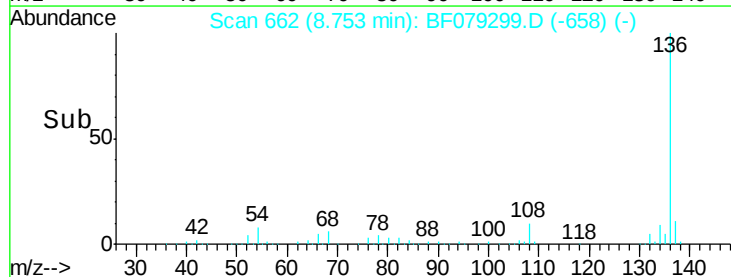
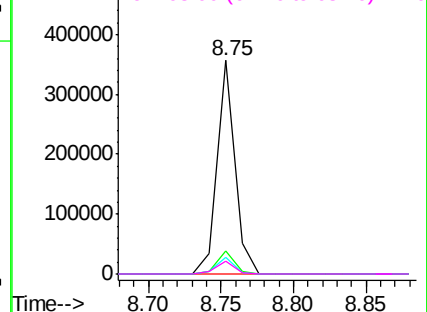


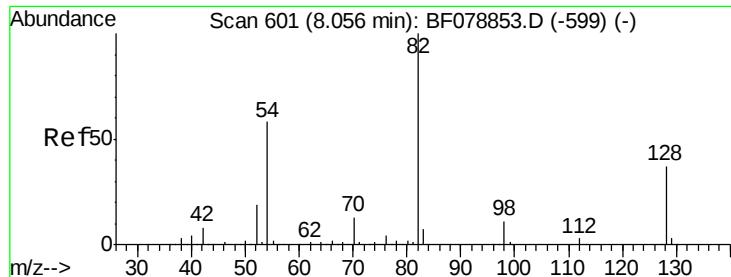
Abundance Ion 136.00 (135.70 to 136.70): E

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

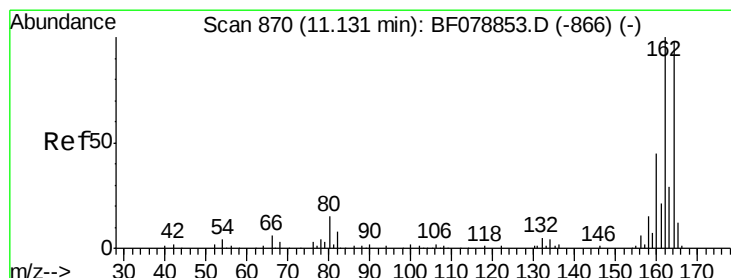
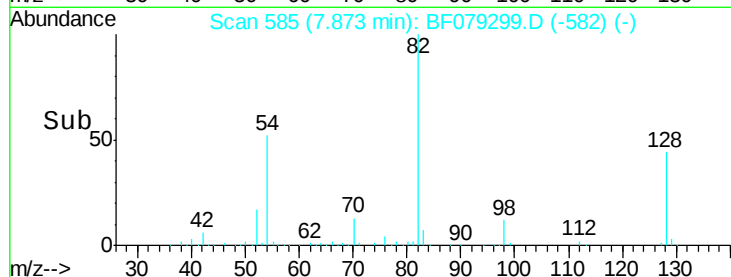
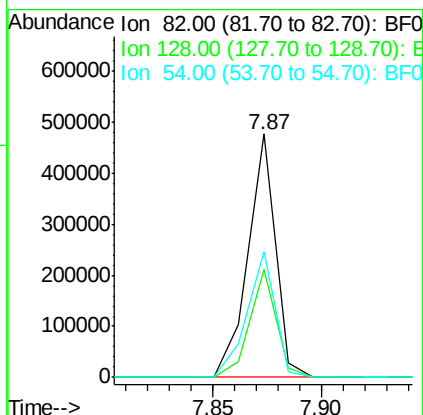
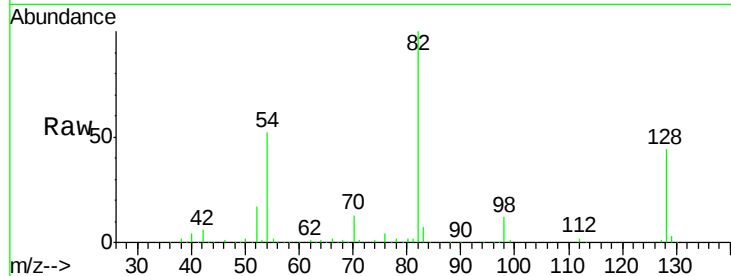




#23
 Nitrobenzene-d5
 Concen: 78.88 ng
 RT: 7.87 min Scan# 585
 Delta R.T. -0.05 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

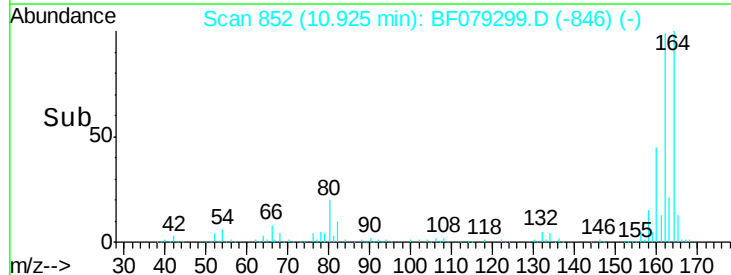
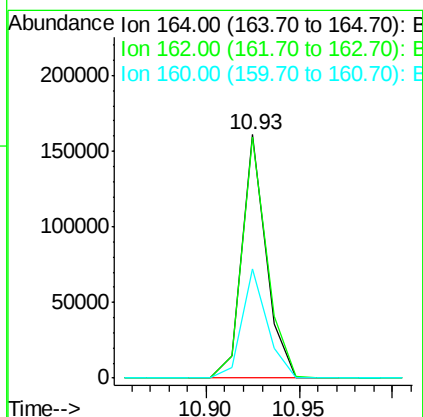
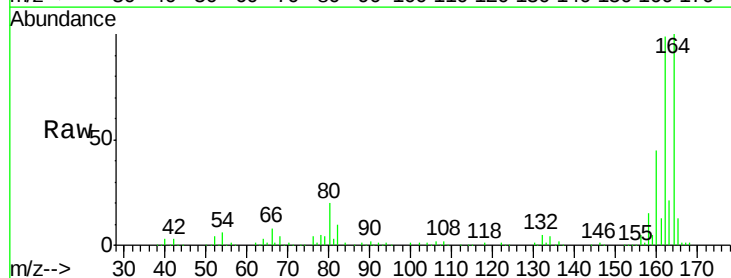
Instrument :
 BNA_F
 ClientSampleId :
 SR-2

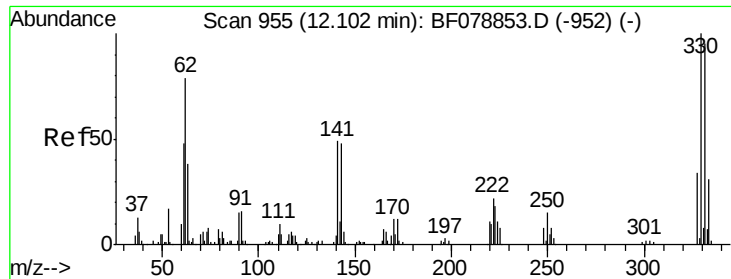
Tgt Ion: 82 Resp: 419727
 Ion Ratio Lower Upper
 82 100
 128 44.4 29.7 44.5
 54 51.6 46.2 69.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.93 min Scan# 852
 Delta R.T. -0.05 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Tgt Ion: 164 Resp: 145173
 Ion Ratio Lower Upper
 164 100
 162 98.9 81.4 122.0
 160 45.0 36.6 54.8

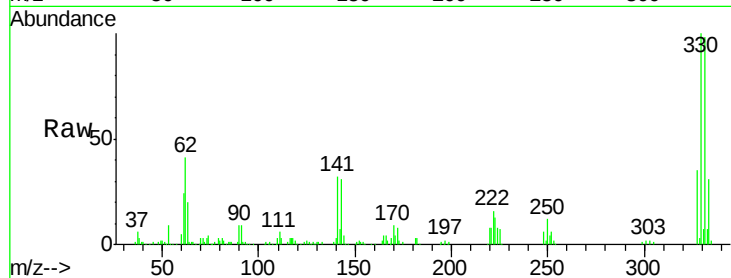




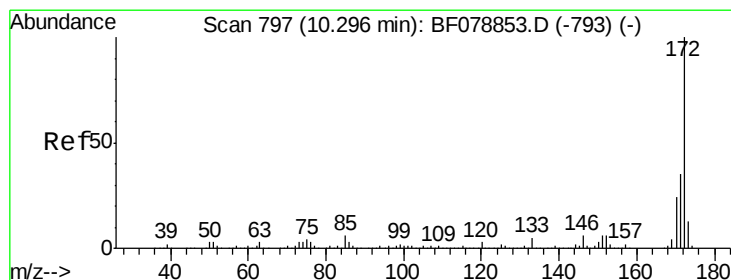
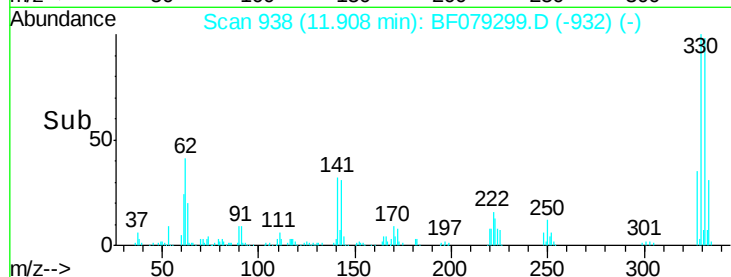
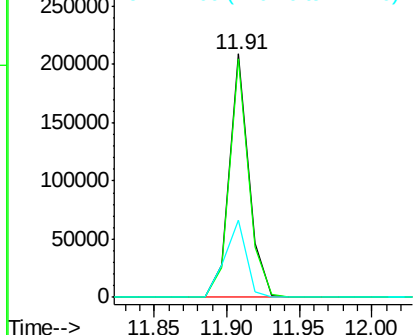
#41
 2,4,6-Tribromophenol
 Concen: 125.36 ng
 RT: 11.91 min Scan# 938
 Delta R.T. -0.05 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Instrument :
 BNA_F
 ClientSampled :
 SR-2

Tgt Ion: 330 Resp: 196883
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.9 115.3
 141 35.3 27.8 41.8

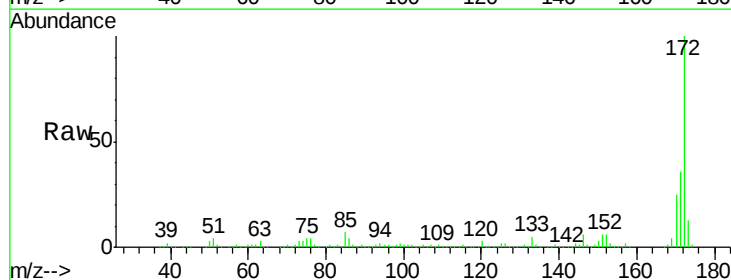


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

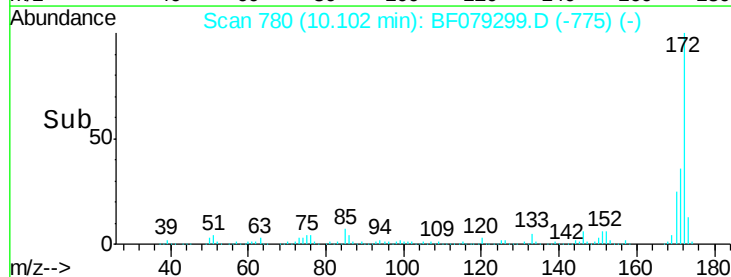
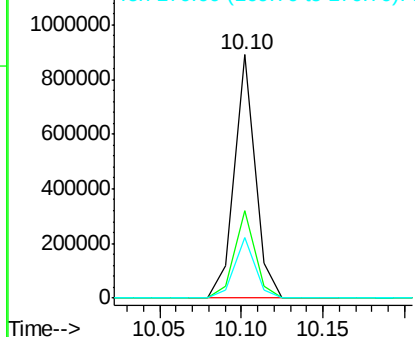


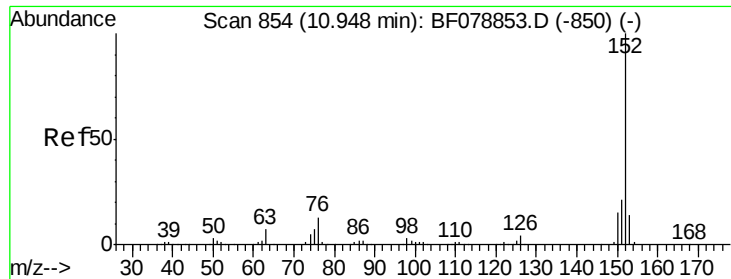
#44
 2-Fluorobiphenyl
 Concen: 75.16 ng
 RT: 10.10 min Scan# 780
 Delta R.T. -0.05 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Tgt Ion: 172 Resp: 783182
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.3 42.5
 170 24.7 19.4 29.2



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





#48

Acenaphthylene

Concen: 2.42 ng

RT: 10.75 min Scan# 837

Delta R.T. -0.05 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

Instrument :

BNA_F

ClientSampleId :

SR-2

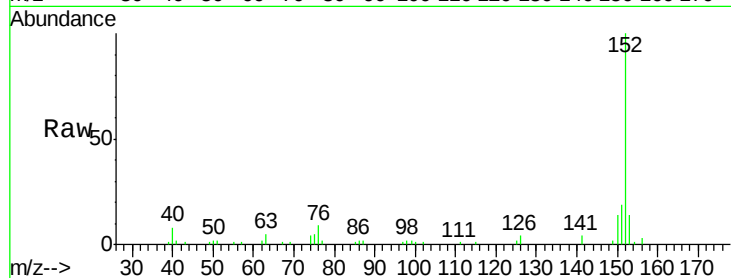
Tgt Ion:152 Resp: 35759

Ion Ratio Lower Upper

152 100

151 19.4 16.6 24.8

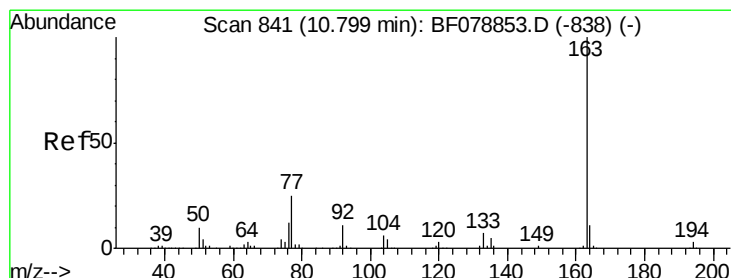
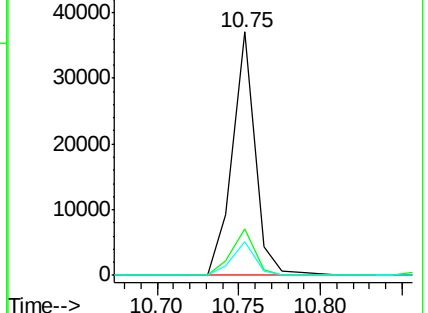
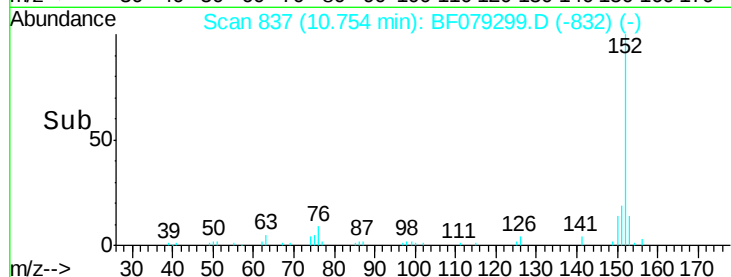
153 13.6 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.42 ng

RT: 10.60 min Scan# 824

Delta R.T. -0.06 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

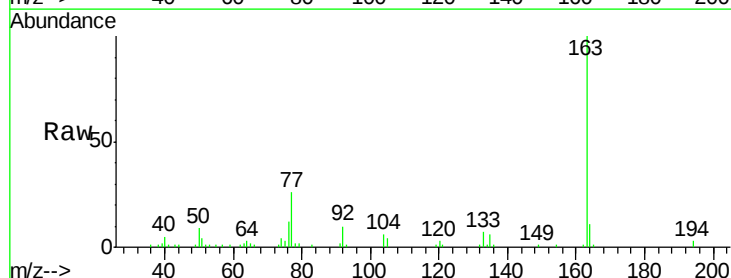
Tgt Ion:163 Resp: 57702

Ion Ratio Lower Upper

163 100

194 3.0 2.4 3.6

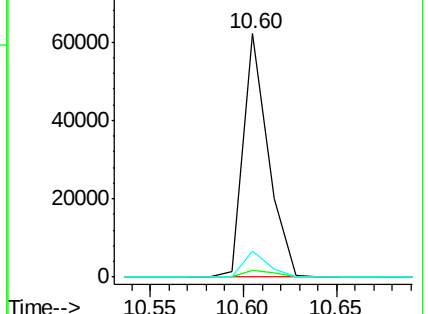
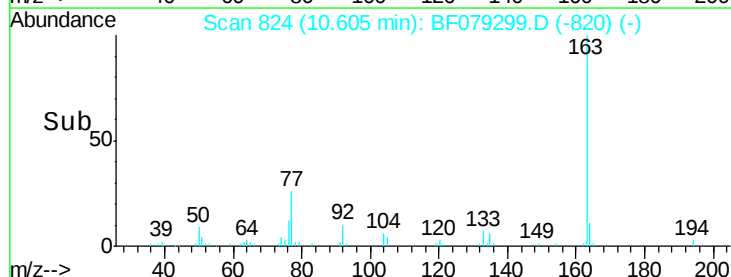
164 10.8 8.6 12.8

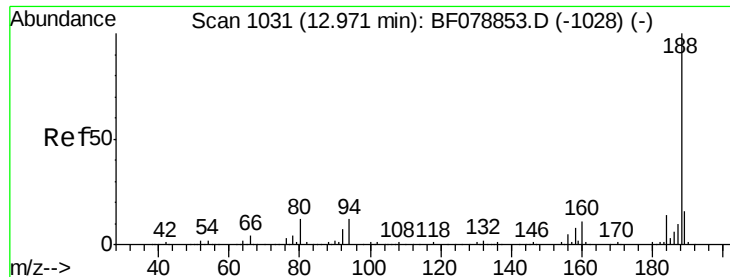


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

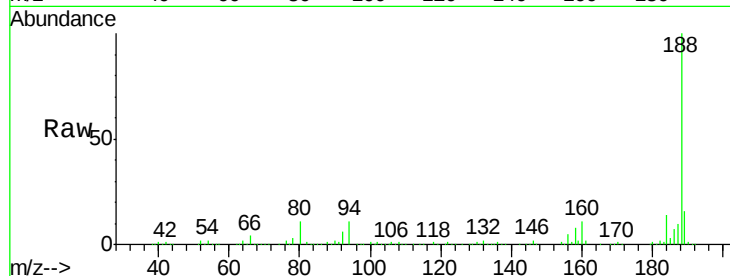




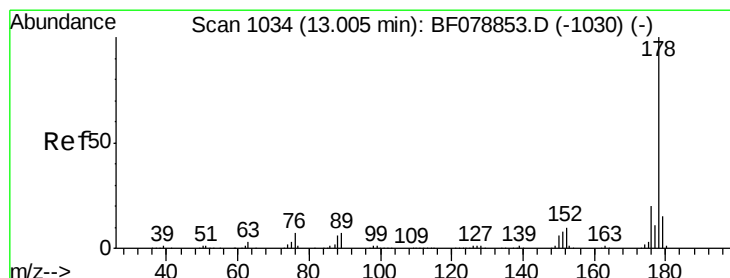
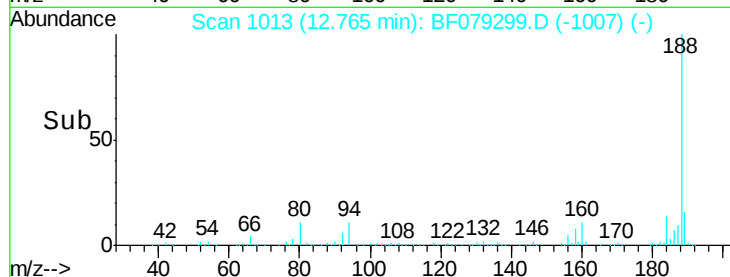
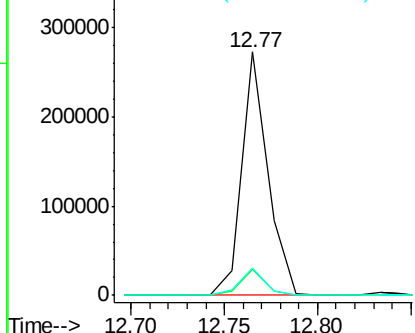
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 1013
Delta R.T. -0.06 min
Lab File: BF079299.D
Acq: 16 May 2015 7:43

Instrument :
BNA_F
ClientSampleId :
SR-2

Tgt Ion:188 Resp: 264878
Ion Ratio Lower Upper
188 100
94 10.7 9.4 14.0
80 11.2 9.8 14.6

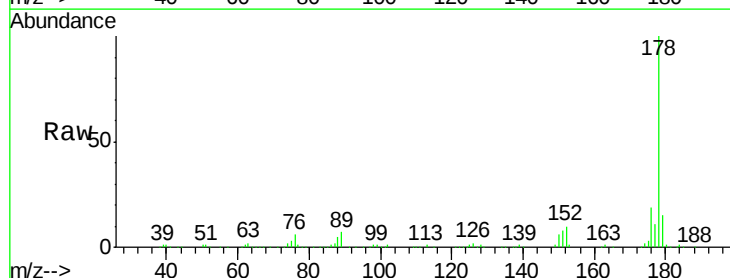


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

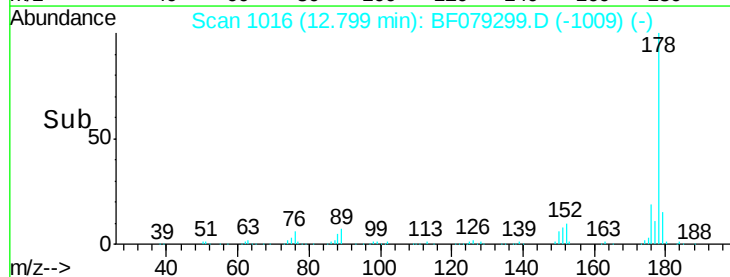
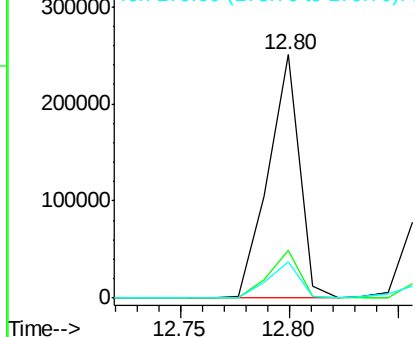


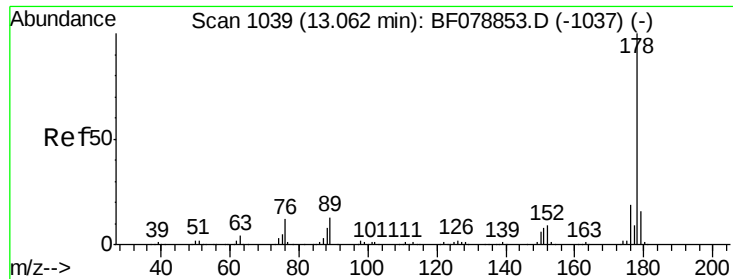
#70
Phenanthrene
Concen: 17.12 ng
RT: 12.80 min Scan# 1016
Delta R.T. -0.05 min
Lab File: BF079299.D
Acq: 16 May 2015 7:43

Tgt Ion:178 Resp: 253644
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.0 12.2 18.4



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

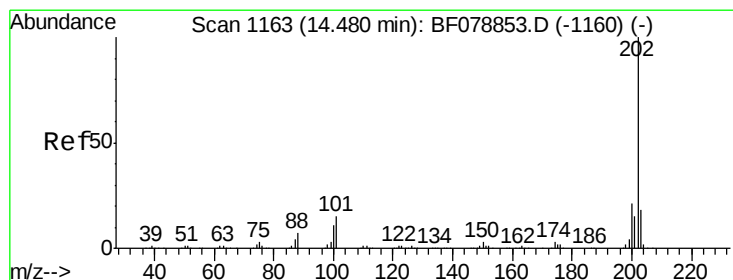
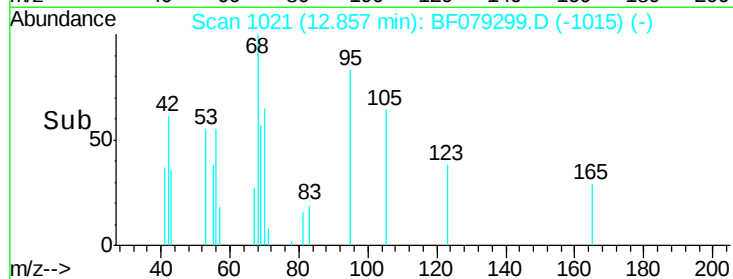
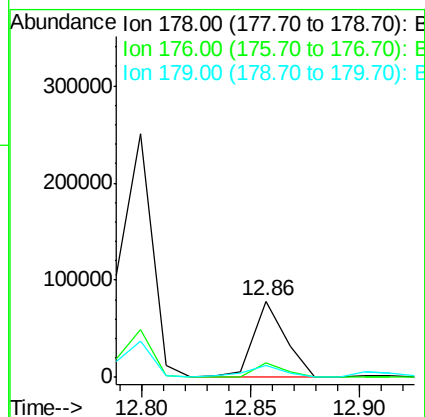
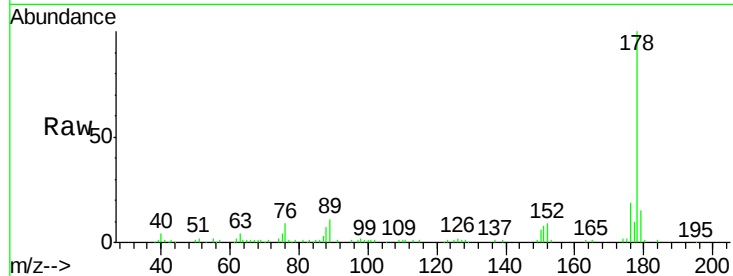




#71
 Anthracene
 Concen: 5.48 ng
 RT: 12.86 min Scan# 1021
 Delta R.T. -0.06 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

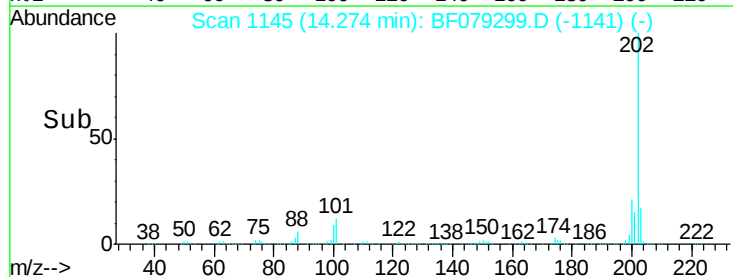
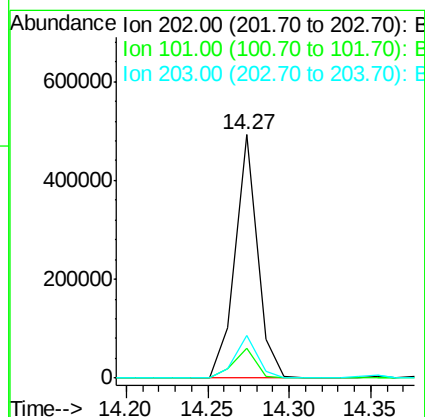
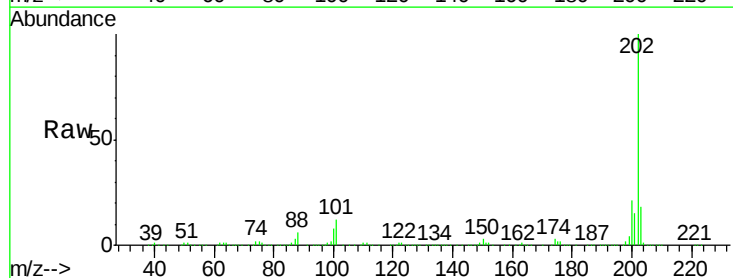
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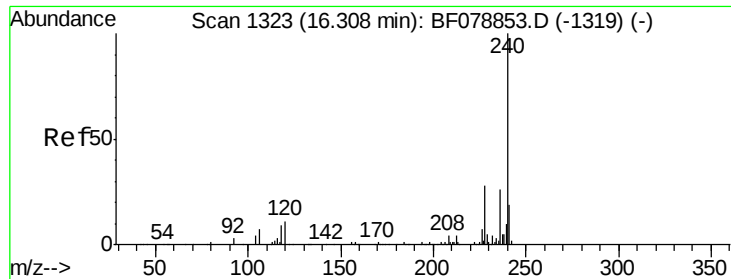
Tgt Ion:178 Resp: 79640
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.3 22.9
 179 15.3 12.6 19.0



#74
 Fluoranthene
 Concen: 30.09 ng
 RT: 14.27 min Scan# 1145
 Delta R.T. -0.10 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Tgt Ion:202 Resp: 464575
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 34.7
 203 17.5 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.06 min Scan# 1301

Delta R.T. -0.45 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

Instrument :

BNA_F

ClientSampleId :

SR-2

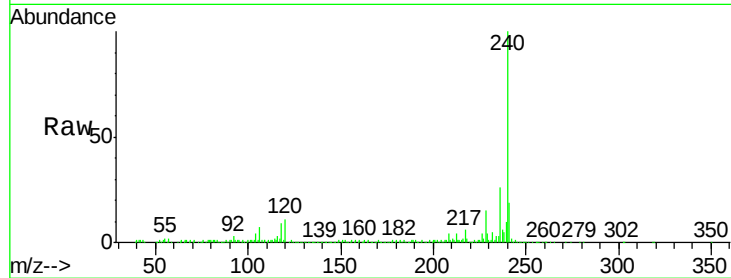
Tgt Ion:240 Resp: 272850

Ion Ratio Lower Upper

240 100

120 11.1 8.6 12.8

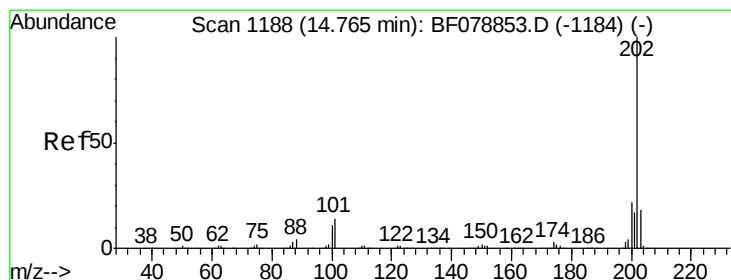
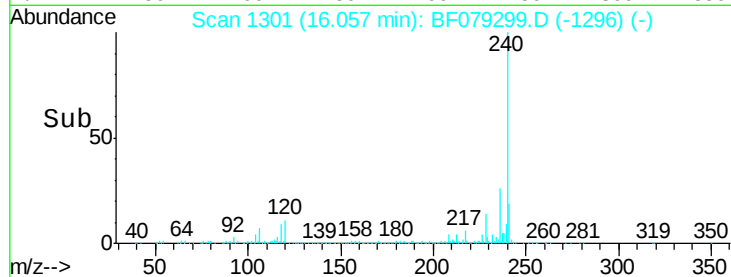
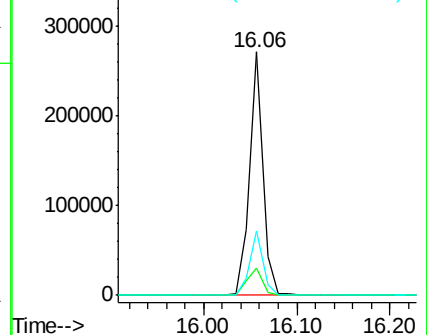
236 26.5 21.0 31.6



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: 29.55 ng

RT: 14.27 min Scan# 1145

Delta R.T. -0.41 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

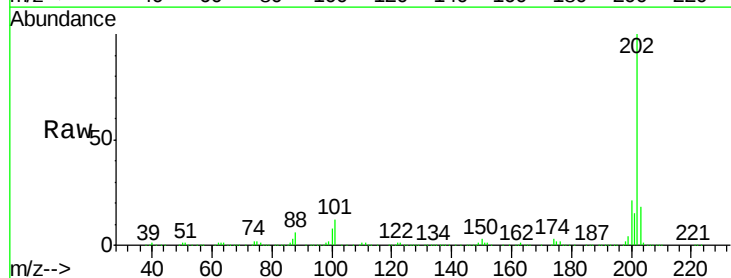
Tgt Ion:202 Resp: 464575

Ion Ratio Lower Upper

202 100

200 21.4 17.5 26.3

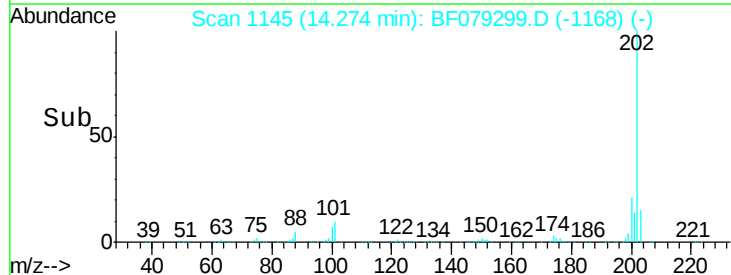
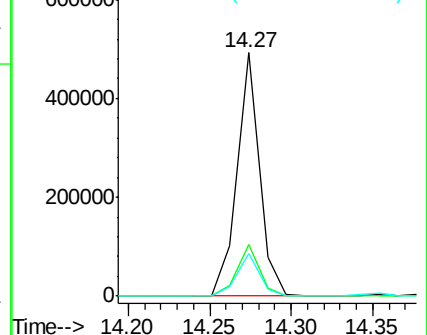
203 17.5 14.7 22.1

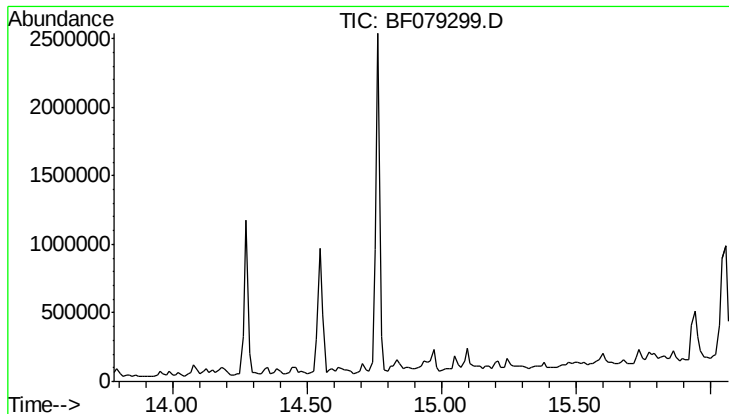


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

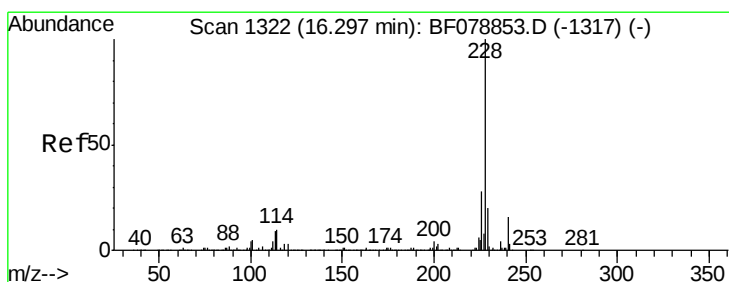
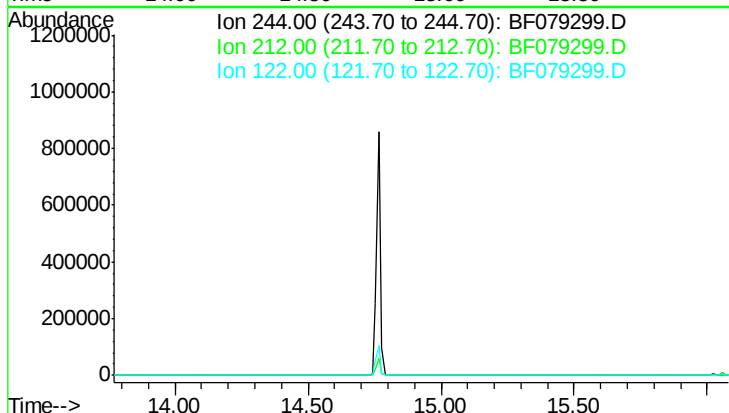




#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 14.93 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

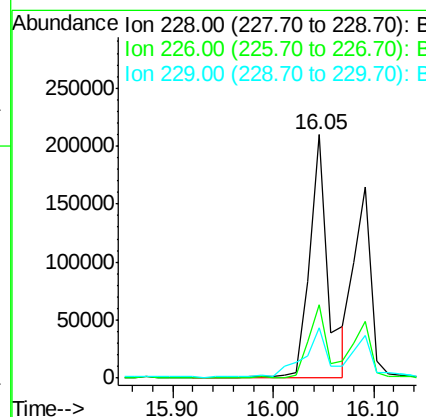
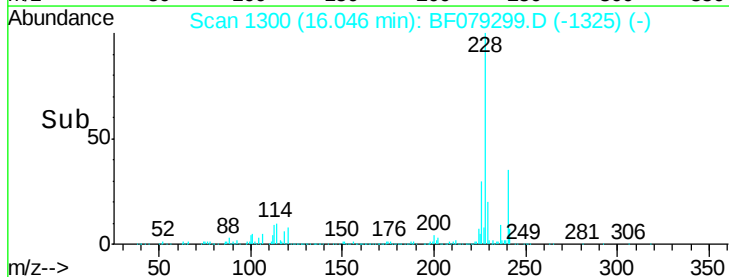
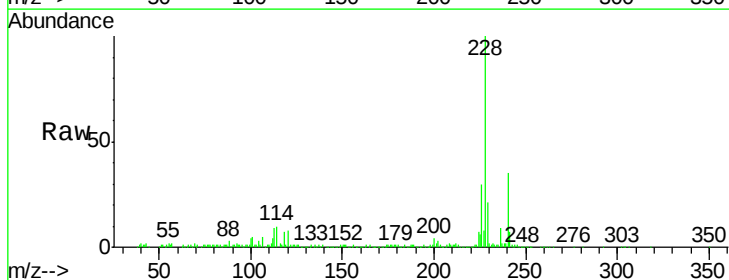
Instrument :
 BNA_F
 ClientSampleId :
 SR-2

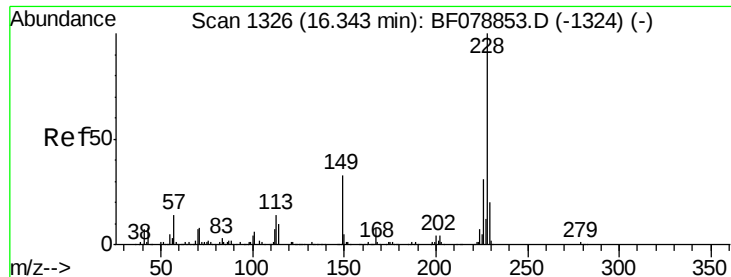
Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 7.0
 122 13.1



#80
 Benzo(a)anthracene
 Concen: 17.64 ng
 RT: 16.05 min Scan# 1300
 Delta R.T. -0.45 min
 Lab File: BF079299.D
 Acq: 16 May 2015 7:43

Tgt Ion: 228 Resp: 263501
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.3 33.5
 229 20.8 16.1 24.1





#82

Chrysene

Concen: 13.24 ng

RT: 16.09 min Scan# 1304

Delta R.T. -0.46 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

Instrument :

BNA_F

ClientSampleId :

SR-2

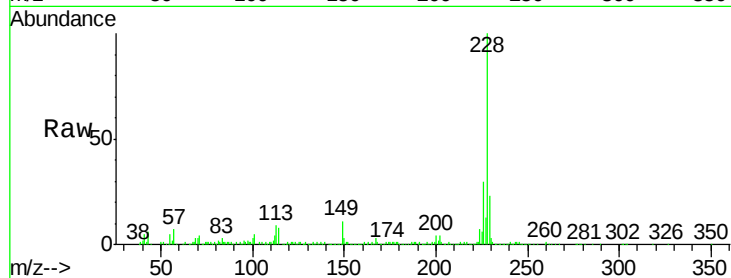
Tgt Ion:228 Resp: 190246

Ion Ratio Lower Upper

228 100

226 30.0 24.8 37.2

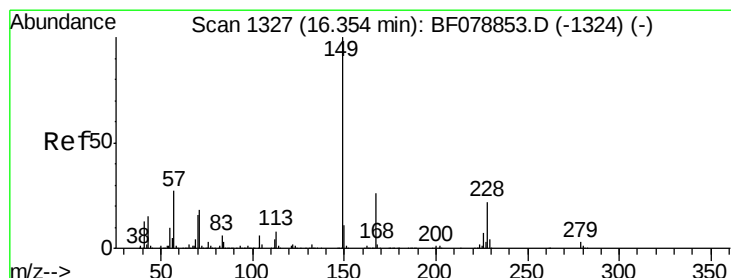
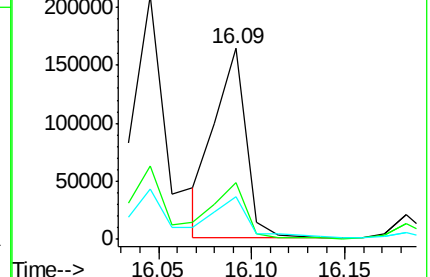
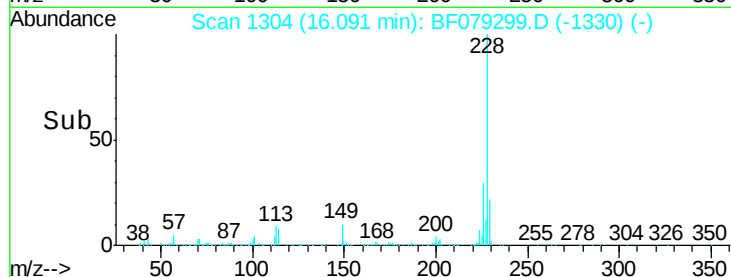
229 22.5 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 9.98 ng

RT: 16.10 min Scan# 1305

Delta R.T. -0.50 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

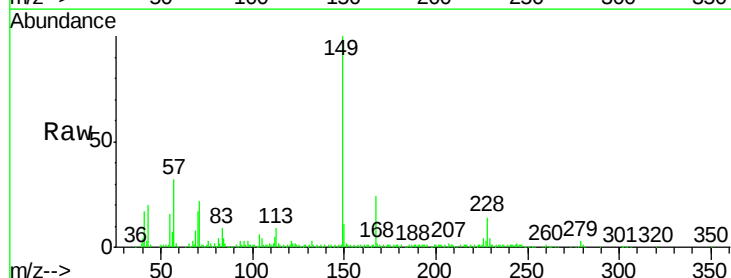
Tgt Ion:149 Resp: 103914

Ion Ratio Lower Upper

149 100

167 24.3 21.2 31.8

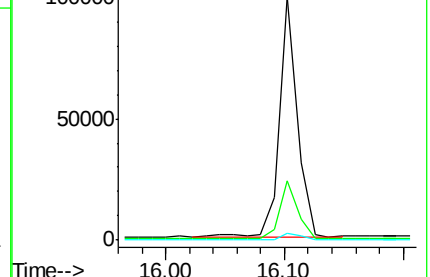
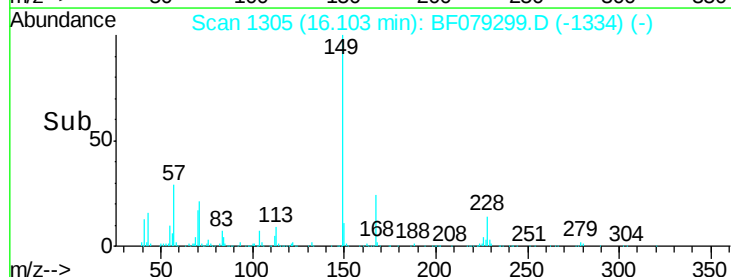
279 2.7 2.6 4.0

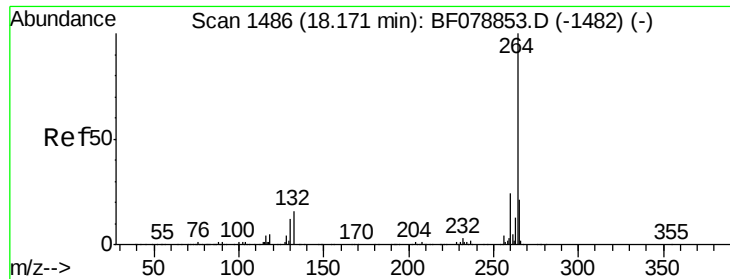


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

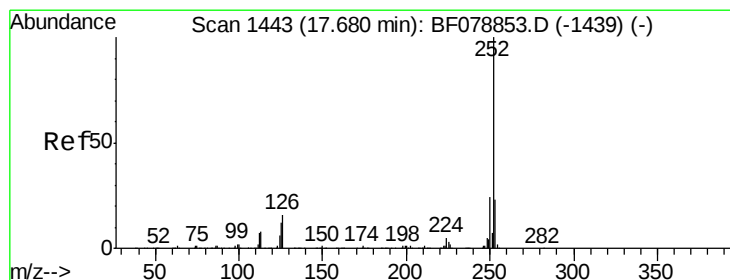
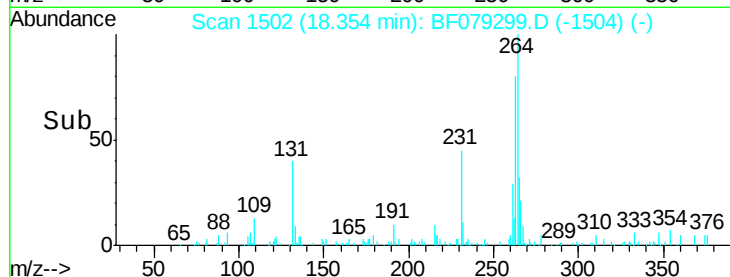
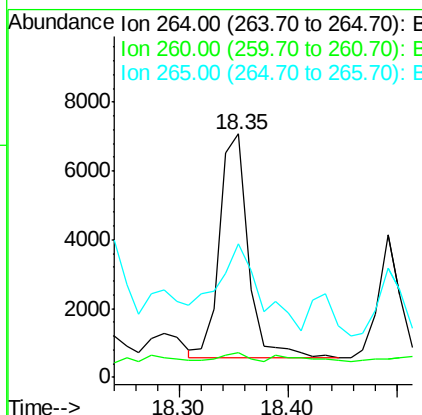
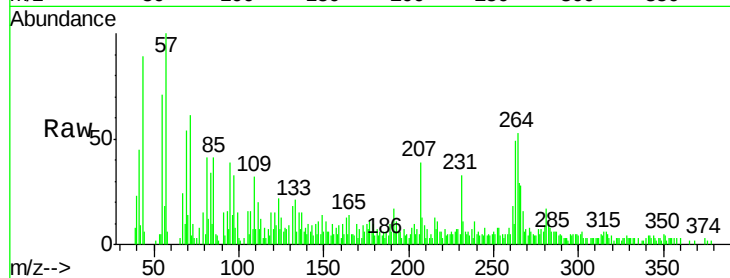




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.35 min Scan# 1502
Delta R.T. -0.53 min
Lab File: BF079299.D
Acq: 16 May 2015 7:43

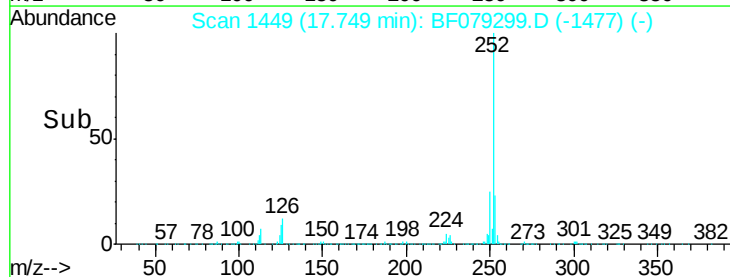
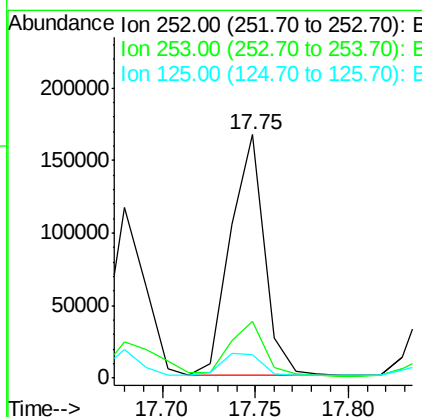
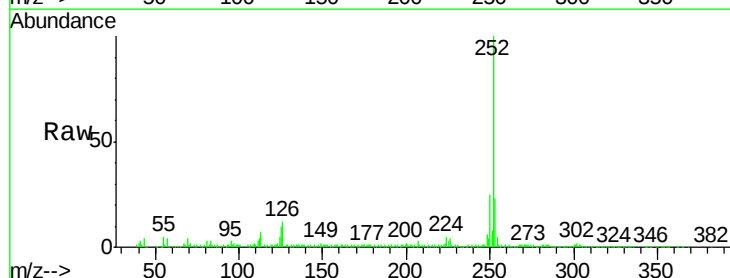
Instrument :
BNA_F
ClientSampleId :
SR-2

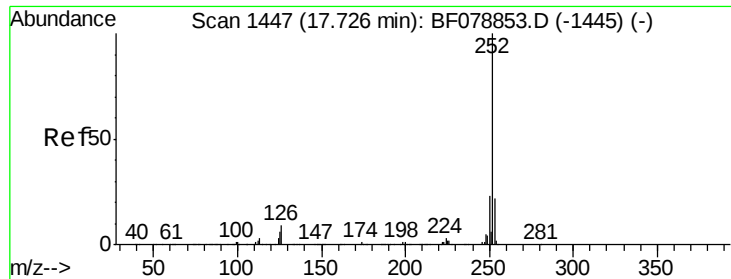
Tgt Ion: 264 Resp: 11886
Ion Ratio Lower Upper
264 100
260 10.2 19.2 28.8#
265 55.1 17.2 25.8#



#87
Benzo(b)fluoranthene
Concen: 326.05 ng
RT: 17.75 min Scan# 1449
Delta R.T. -0.50 min
Lab File: BF079299.D
Acq: 16 May 2015 7:43

Tgt Ion: 252 Resp: 212123
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 9.5 9.4 14.2





#88

Benzo(k)fluoranthene

Concen: 335.50 ng

RT: 17.75 min Scan# 1449

Delta R.T. -0.55 min

Lab File: BF079299.D

Acq: 16 May 2015 7:43

Instrument :

BNA_F

ClientSampleId :

SR-2

Tgt Ion:252 Resp: 211302

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 9.5 6.1 9.1#

