

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096499.D
 Acq On : 5 Jul 2017 23:12
 Operator : SJ/MA
 Sample : I3998-01DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q5-NSWDL

Quant Time: Jul 06 03:02:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

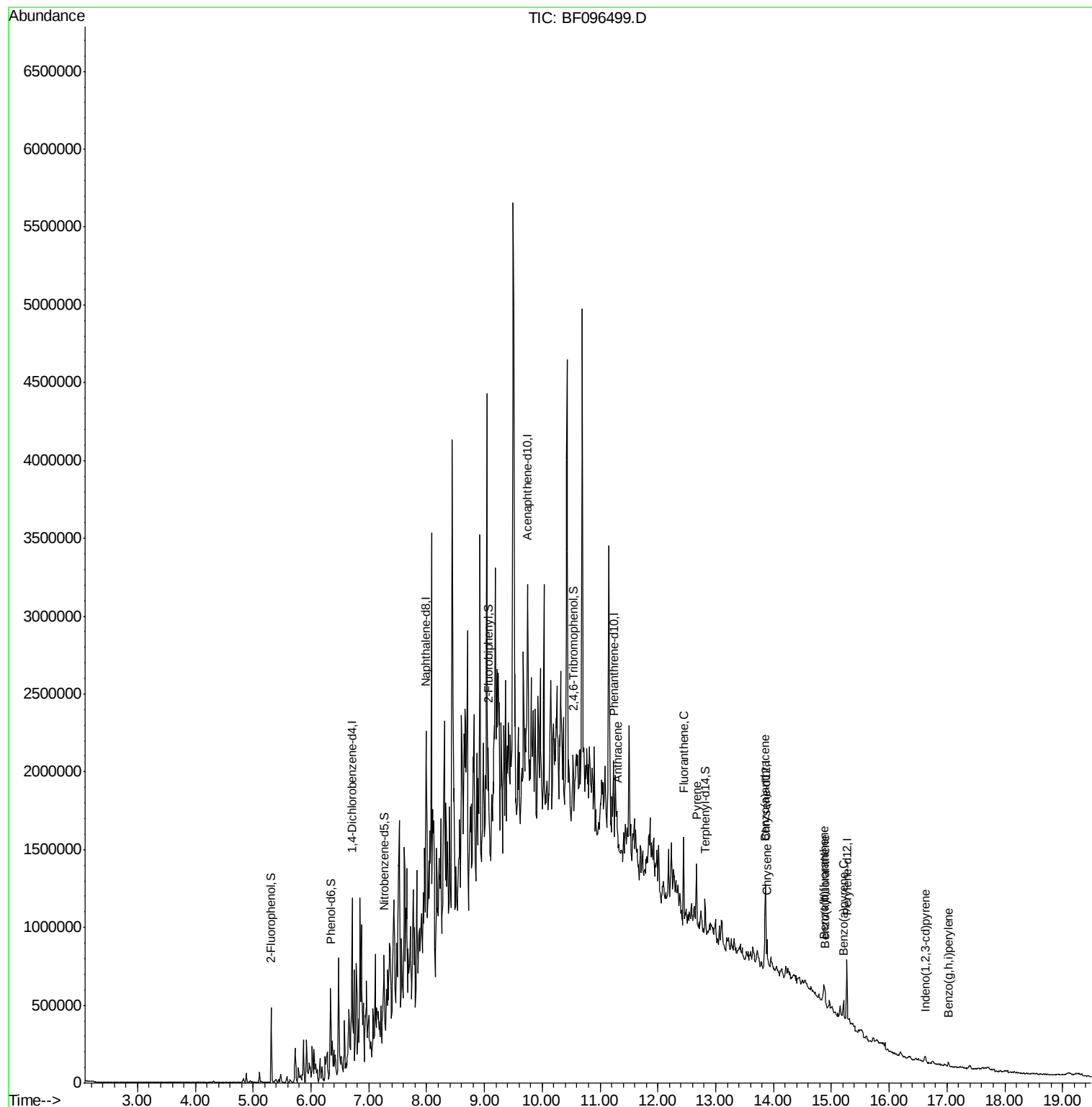
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	98600	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	319167	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	104604	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	155665	20.00	ng	0.00
75) Chrysene-d12	13.86	240	177032	20.00	ng	0.00
86) Perylene-d12	15.27	264	165773	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	120240	18.00	ng	-0.01
7) Phenol-d6	6.34	99	148518	18.08	ng	-0.02
23) Nitrobenzene-d5	7.26	82	81609	15.36	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	13906	17.02	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	114848	18.77	ng	0.00
78) Terphenyl-d14	12.81	244	71233	8.60	ng	0.00
Target Compounds						
71) Anthracene	11.31	178	20193	2.35	ng	Qvalue # 84
74) Fluoranthene	12.45	202	181823	22.04	ng	96
77) Pyrene	12.67	202	179377	12.62	ng	99
80) Benzo(a)anthracene	13.85	228	69682	6.80	ng	99
82) Chrysene	13.89	228	57630	5.37	ng	95
85) Indeno(1,2,3-cd)pyrene	16.62	276	22601	2.67	ng	91
87) Benzo(b)fluoranthene	14.87	252	67440m	6.49	ng	
88) Benzo(k)fluoranthene	14.89	252	21692m	2.33	ng	
89) Benzo(a)pyrene	15.21	252	45319	4.89	ng	# 85
91) Benzo(g,h,i)perylene	17.03	276	19257	2.55	ng	94

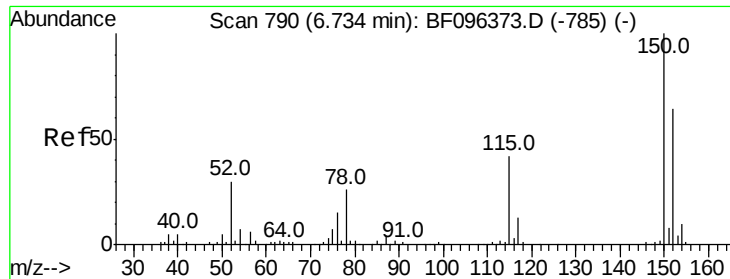
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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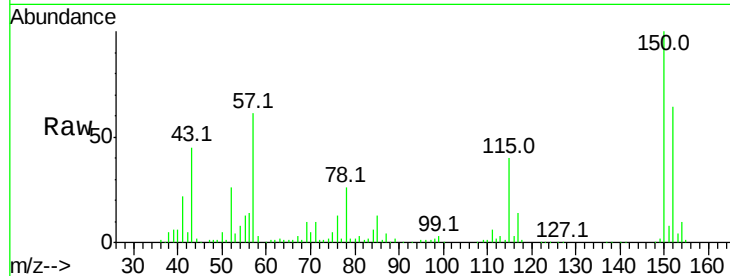


#1

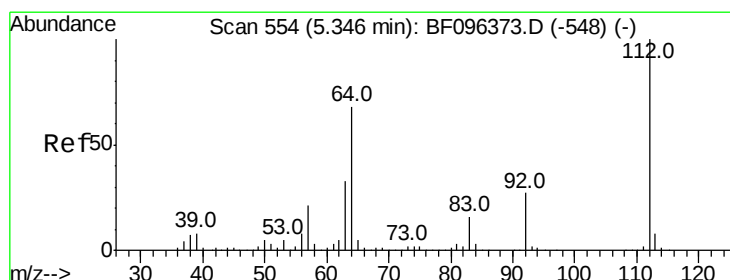
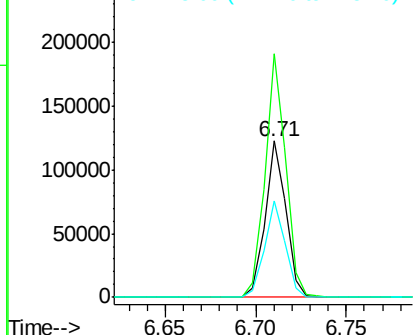
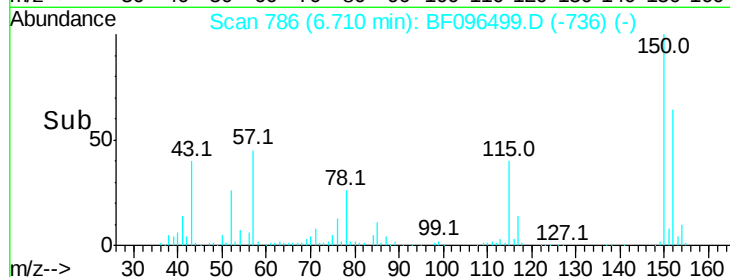
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF096499.D
Acq: 5 Jul 2017 23:12

Instrument :
BNA_F
ClientSampleId :
E2-Q5-NSWDL

Tot Ion:152 Resp: 98600
Ion Ratio Lower Upper
152 100
150 155.7 126.2 189.2
115 62.1 52.2 78.2



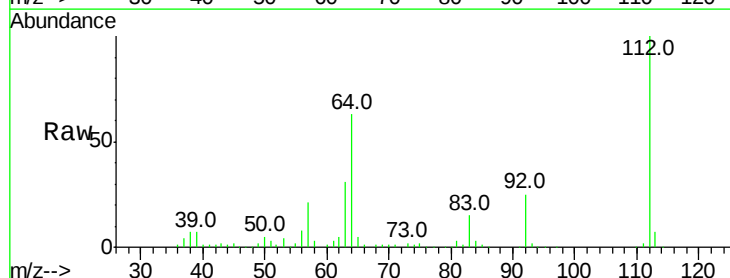
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



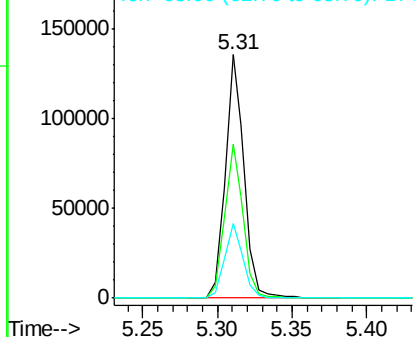
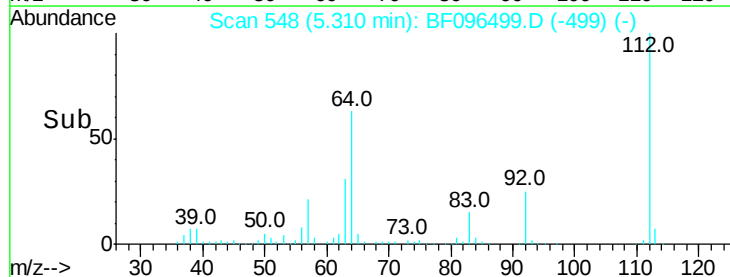
#5

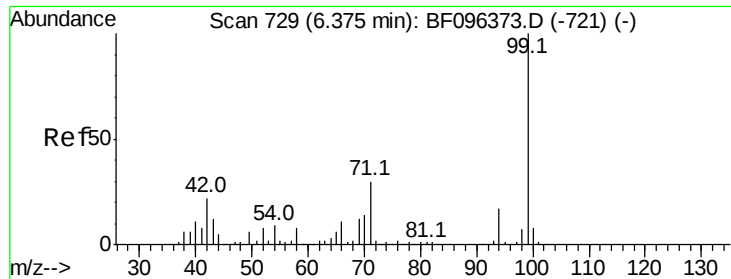
2-Fluorophenol
Concen: 18.00 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF096499.D
Acq: 5 Jul 2017 23:12

Tgt Ion:112 Resp: 120240
Ion Ratio Lower Upper
112 100
64 63.1 46.0 69.0
63 30.5 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: 18.08 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF096499.D

Acq: 5 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

E2-Q5-NSWDL

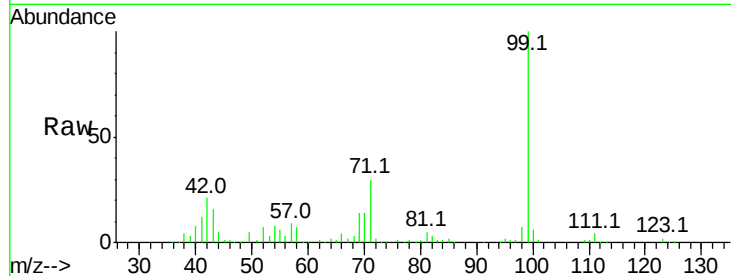
Tot Ion: 99 Resp: 148518

Ion Ratio Lower Upper

99 100

42 20.5 13.5 20.3#

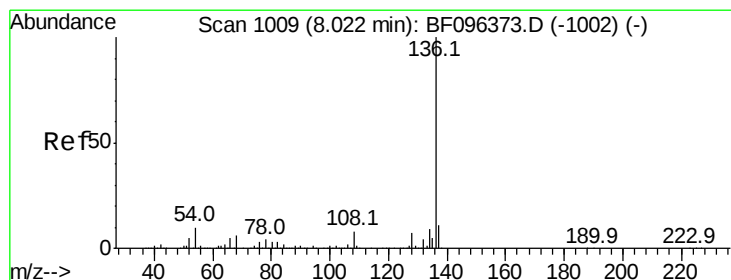
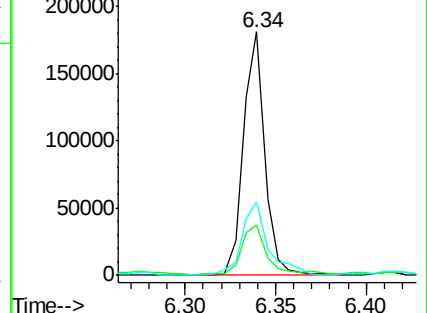
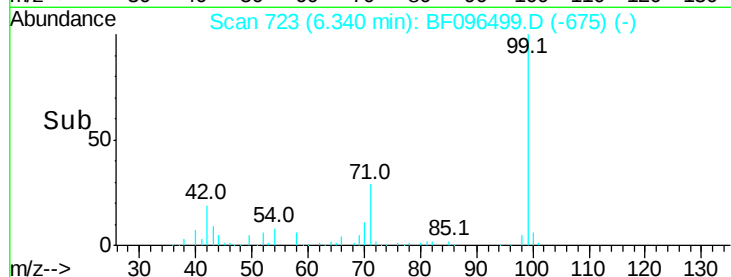
71 30.2 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF096499.D

Acq: 5 Jul 2017 23:12

Tgt Ion: 136 Resp: 319167

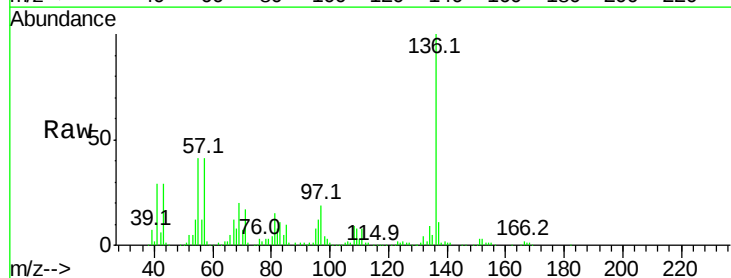
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 11.6 4.9 7.3#

68 8.0 4.1 6.1#

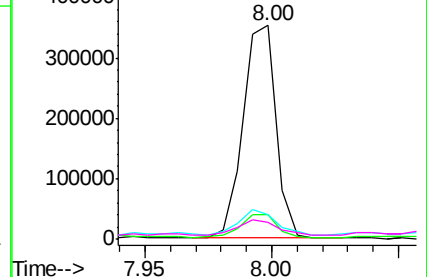
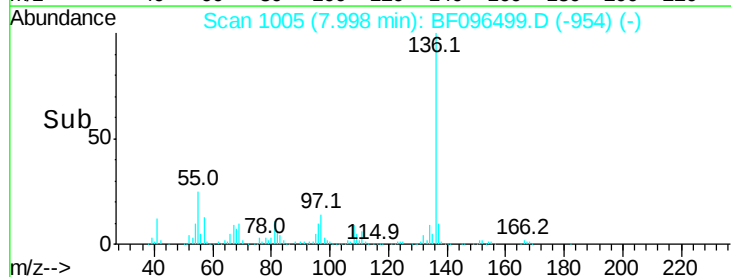


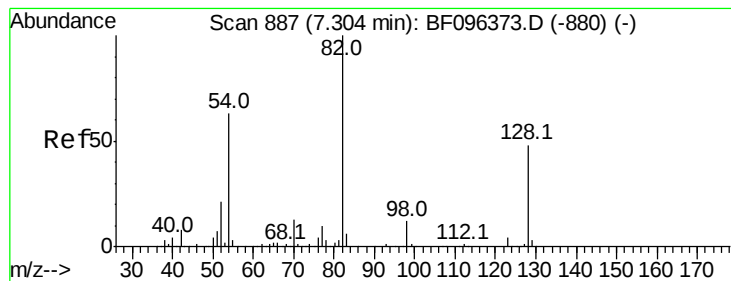
Abundance Ion 136.00 (135.70 to 136.70): E

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





#23

Nitrobenzene-d5

Concen: 15.36 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF096499.D

Acq: 5 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

E2-Q5-NSWDL

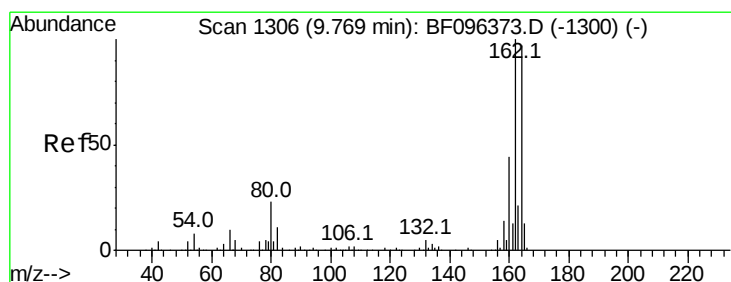
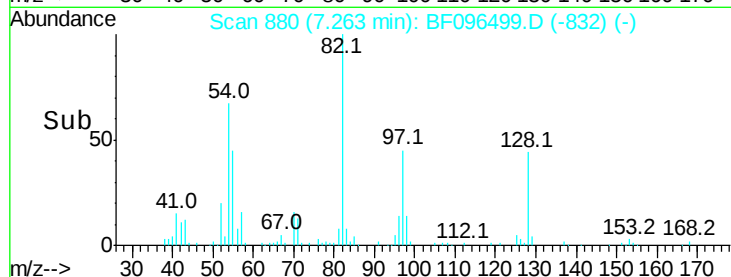
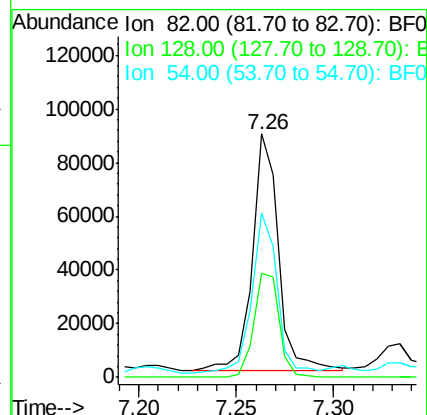
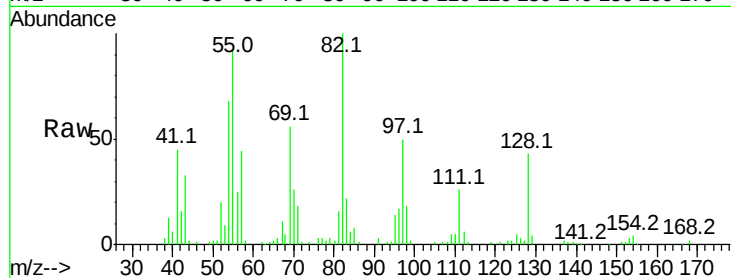
Tot Ion: 82 Resp: 81609

Ion Ratio Lower Upper

82 100

128 42.8 34.0 51.0

54 67.5 42.2 63.2#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF096499.D

Acq: 5 Jul 2017 23:12

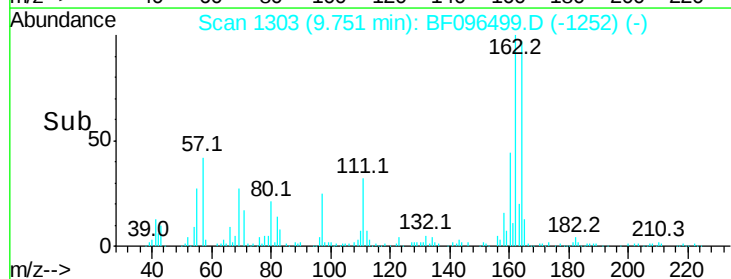
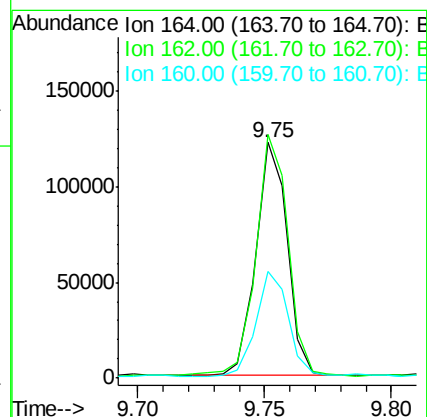
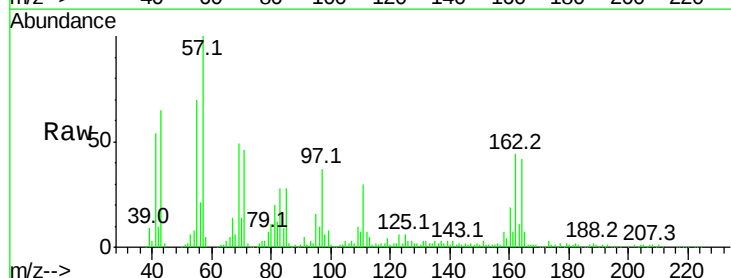
Tgt Ion:164 Resp: 104604

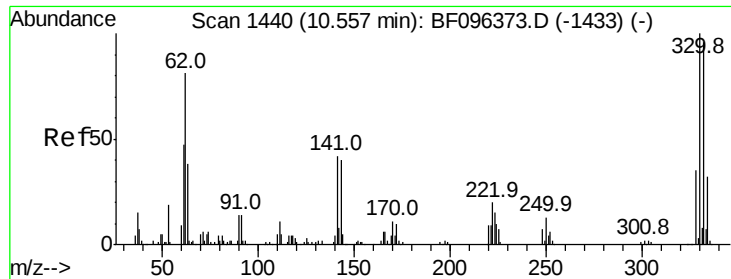
Ion Ratio Lower Upper

164 100

162 103.2 82.6 123.8

160 45.1 36.2 54.2

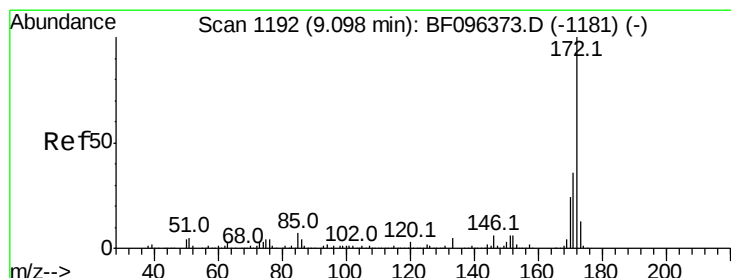
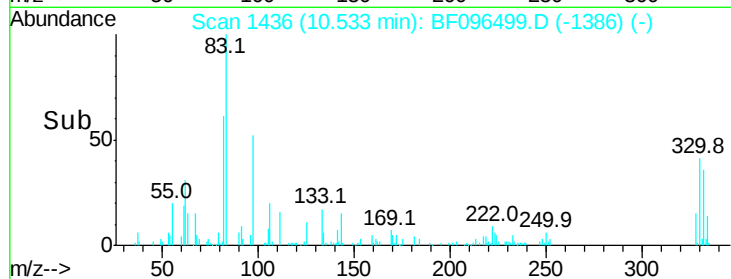
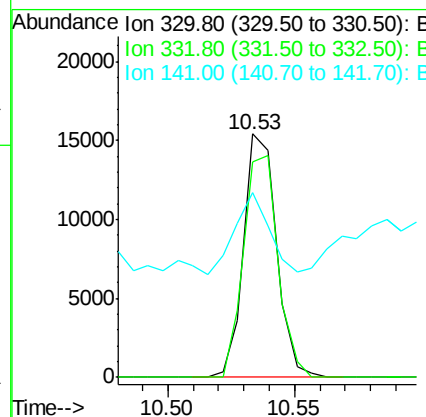
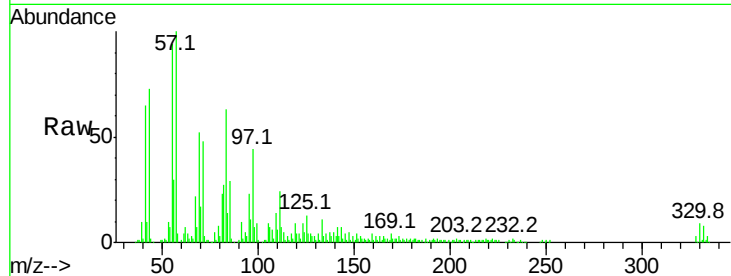




#41
 2,4,6-Tribromophenol
 Concen: 17.02 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096499.D
 Acq: 5 Jul 2017 23:12

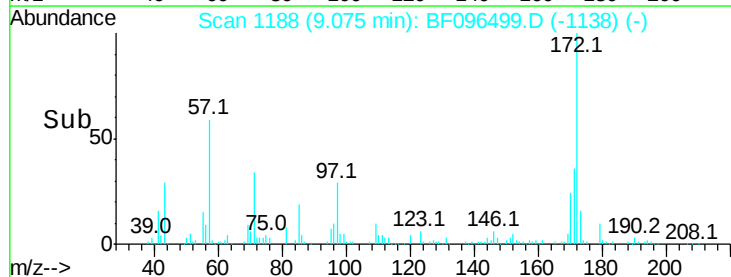
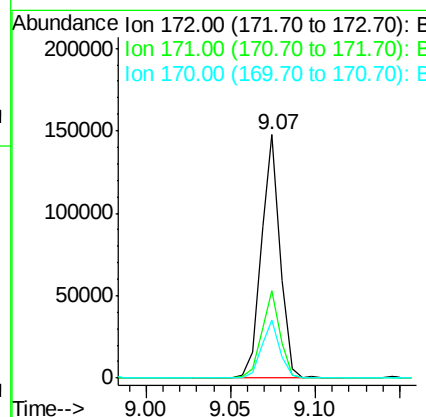
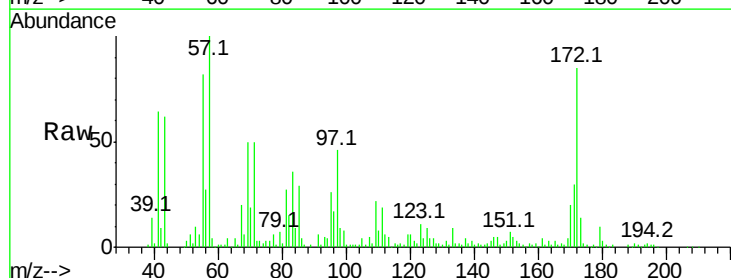
Instrument :
 BNA_F
 ClientSampleId :
 E2-Q5-NSWDL

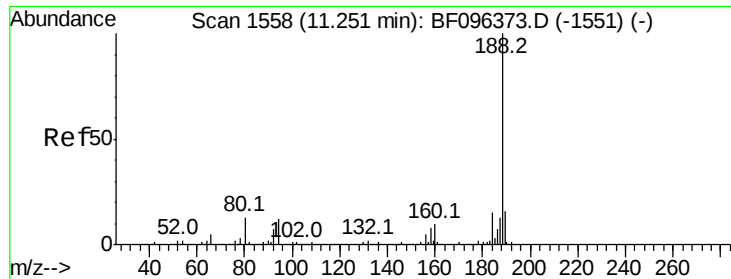
Tot Ion:330 Resp: 13906
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 115.0
 141 35.4 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 18.77 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096499.D
 Acq: 5 Jul 2017 23:12

Tgt Ion:172 Resp: 114848
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 23.9 19.8 29.8

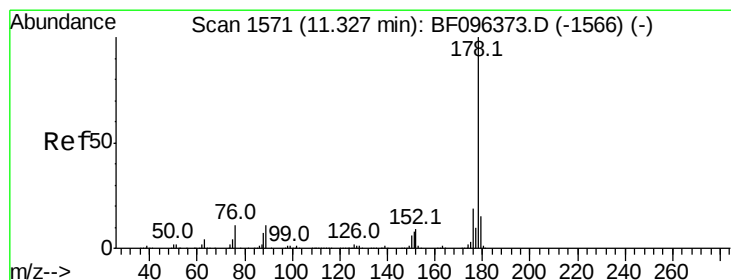
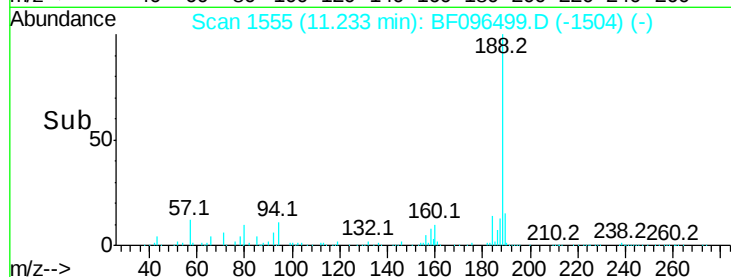
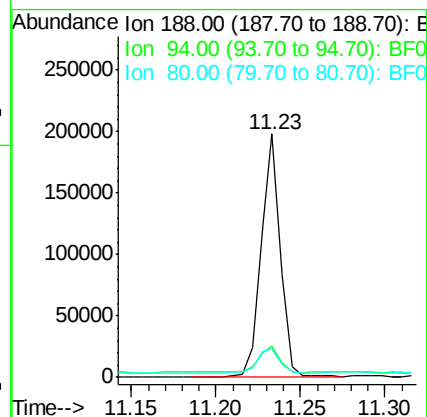
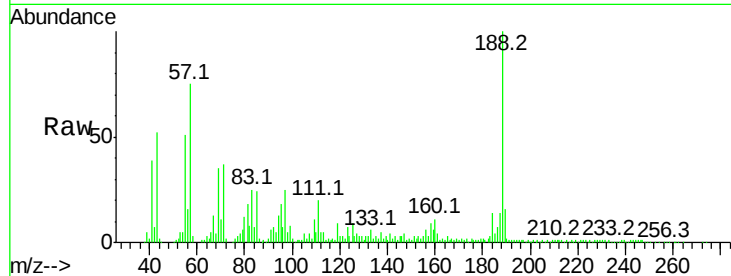




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF096499.D
Acq: 5 Jul 2017 23:12

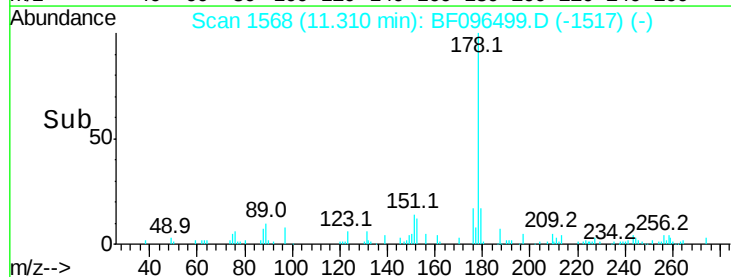
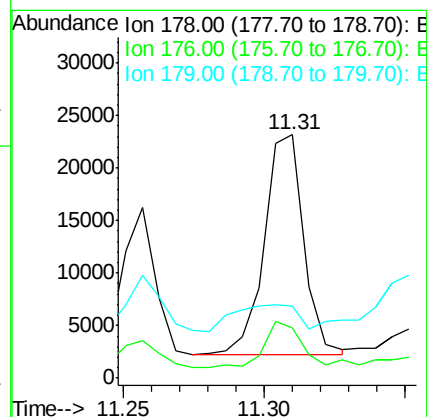
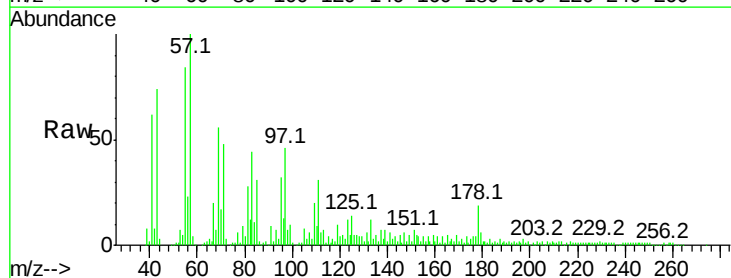
Instrument :
BNA_F
ClientSampleId :
E2-Q5-NSWDL

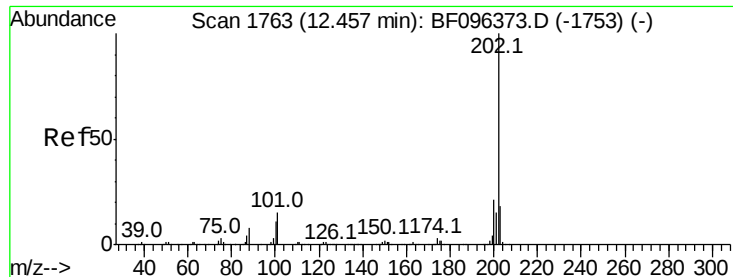
Tot Ion:188 Resp: 155665
Ion Ratio Lower Upper
188 100
94 12.7 9.4 14.2
80 12.0 10.2 15.2



#71
Anthracene
Concen: 2.35 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BF096499.D
Acq: 5 Jul 2017 23:12

Tgt Ion:178 Resp: 20193
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.8
179 29.7 12.7 19.1#





#74

Fluoranthene

Concen: 22.04 ng

RT: 12.45 min Scan# 1761

Delta R.T. 0.01 min

Lab File: BF096499.D

Acq: 5 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

E2-Q5-NSWDL

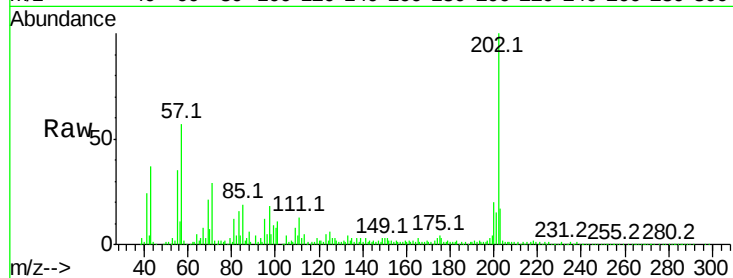
Tot Ion:202 Resp: 181823

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.2

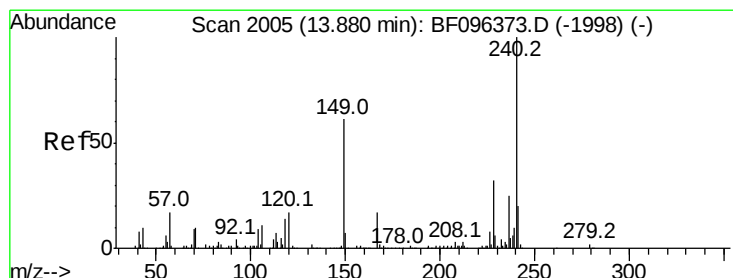
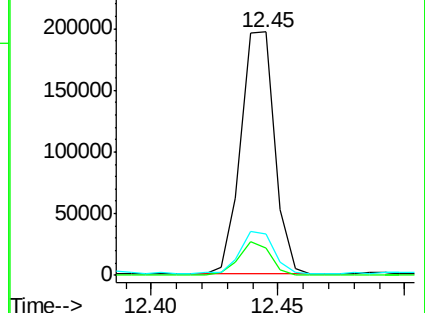
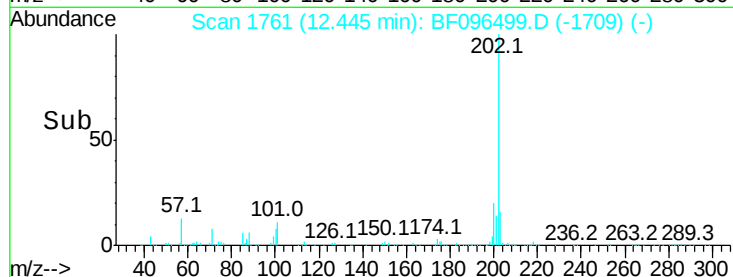
203 17.1 0.0 38.1



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: 20.00 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096499.D

Acq: 5 Jul 2017 23:12

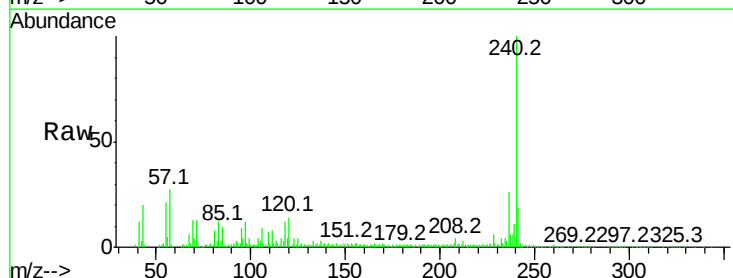
Tgt Ion:240 Resp: 177032

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

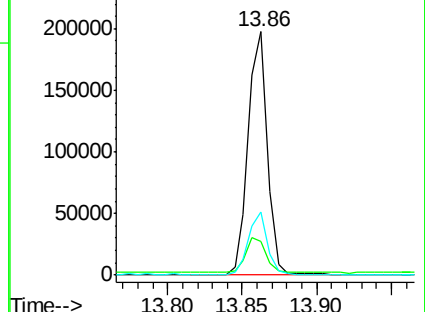
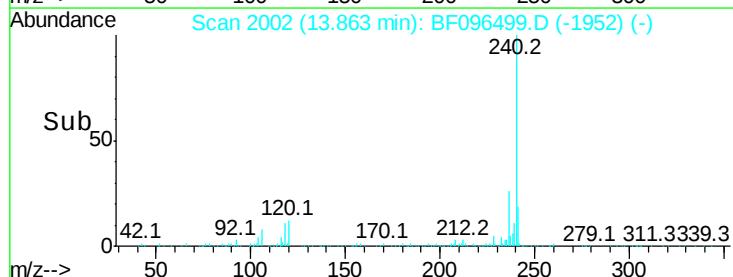
236 25.7 20.5 30.7

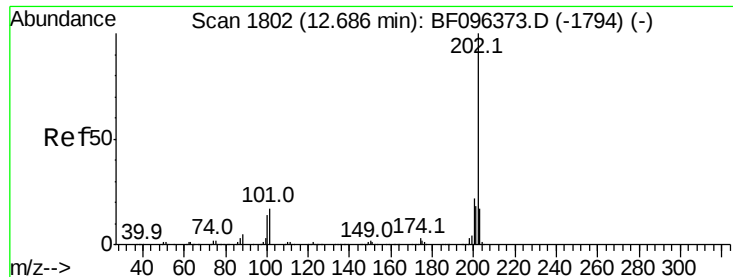


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.62 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BF096499.D

Acq: 5 Jul 2017 23:12

Instrument :

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E2-Q5-NSWDL

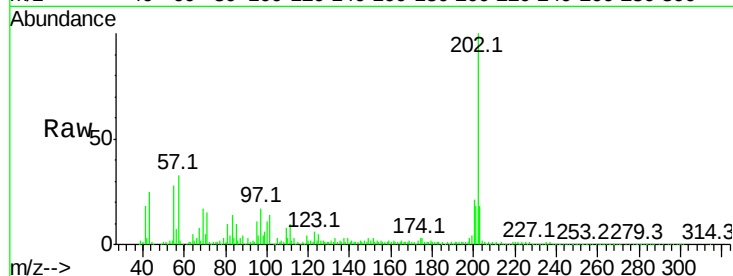
Tot Ion:202 Resp: 179377

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

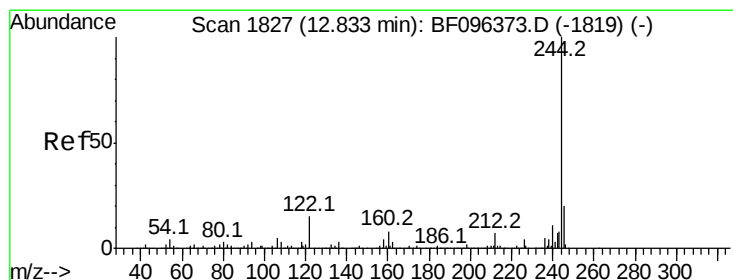
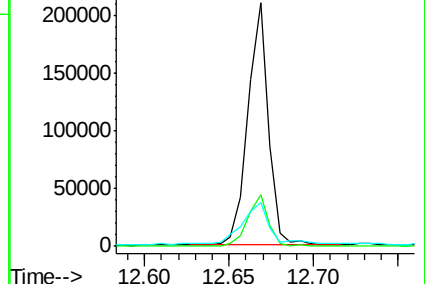
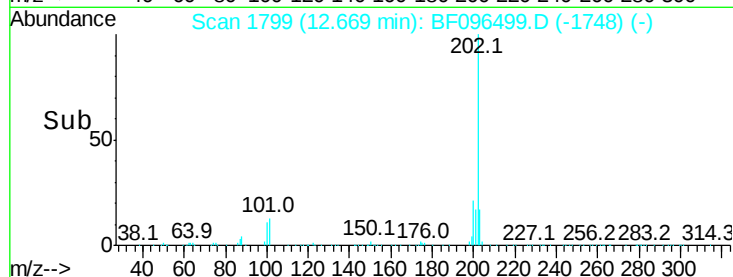
203 17.8 14.4 21.6



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: 8.60 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF096499.D

Acq: 5 Jul 2017 23:12

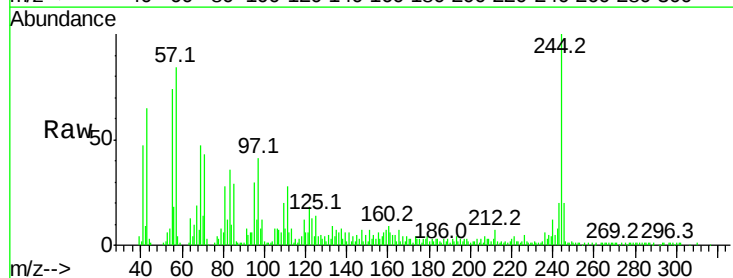
Tgt Ion:244 Resp: 71233

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

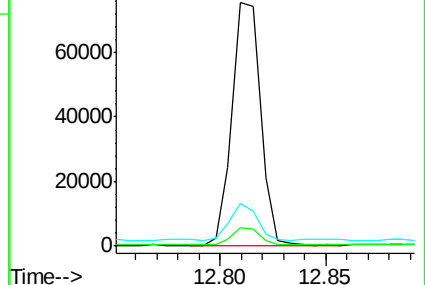
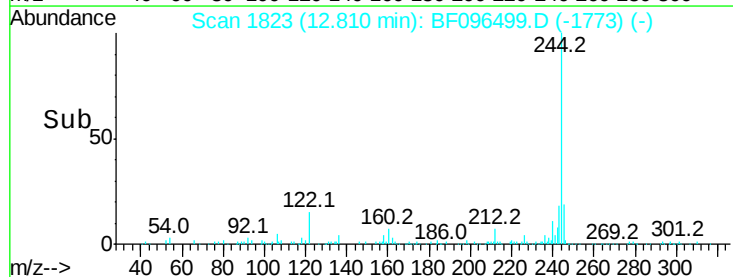
122 17.6 10.3 15.5#

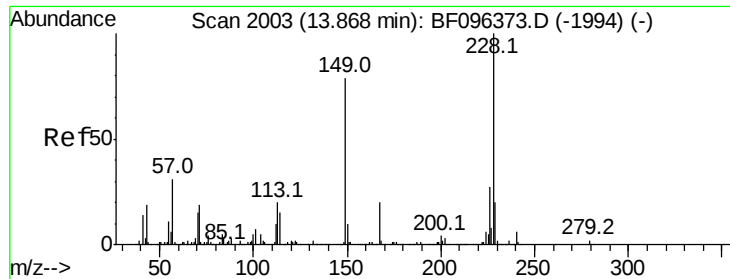


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

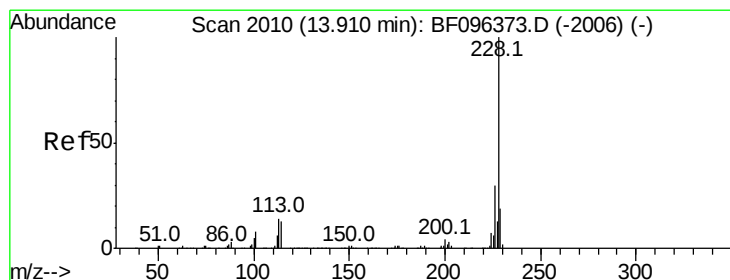
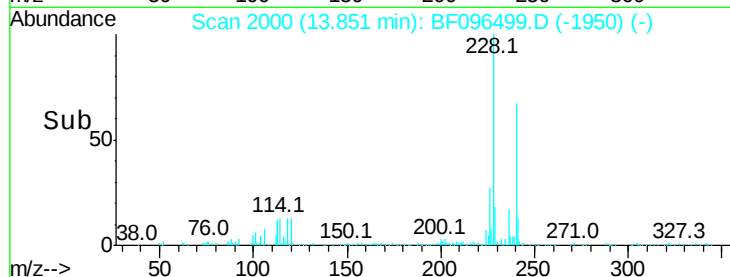
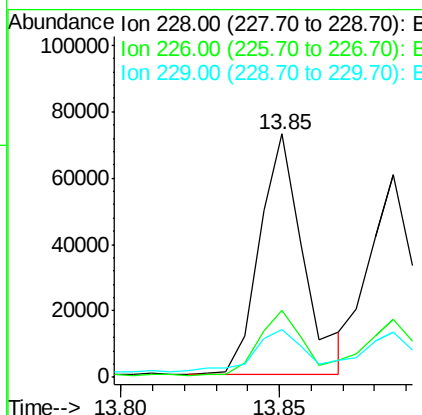
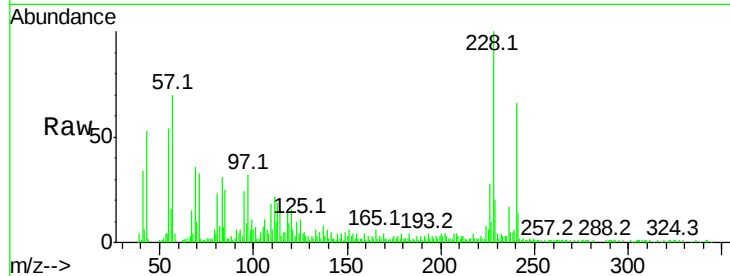




#80
Benzo(a)anthracene
Concen: 6.80 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096499.D
Acq: 5 Jul 2017 23:12

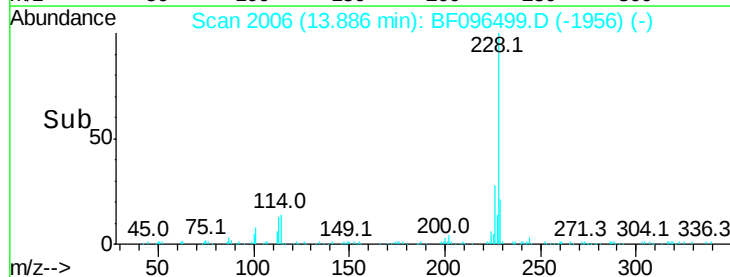
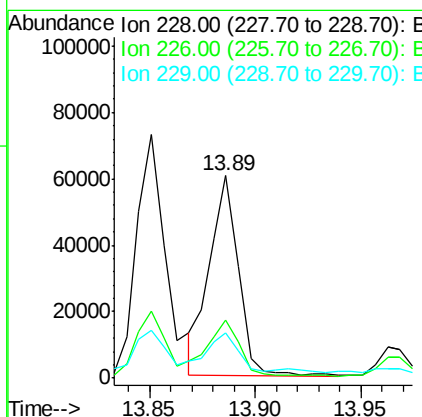
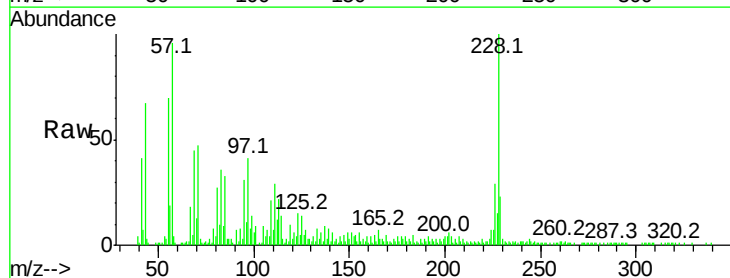
Instrument :
BNA_F
ClientSampleId :
E2-Q5-NSWDL

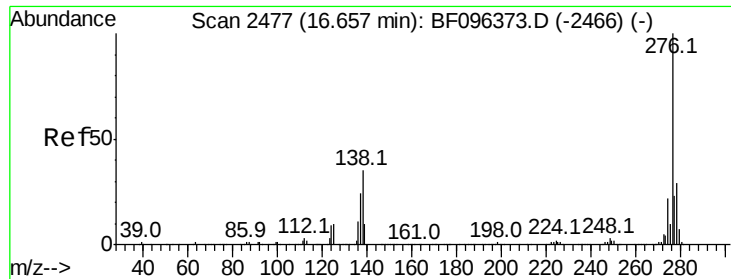
Tot Ion:228 Resp: 69682
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 19.7 16.3 24.5



#82
Chrysene
Concen: 5.37 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF096499.D
Acq: 5 Jul 2017 23:12

Tgt Ion:228 Resp: 57630
Ion Ratio Lower Upper
228 100
226 28.7 24.9 37.3
229 22.6 15.8 23.6

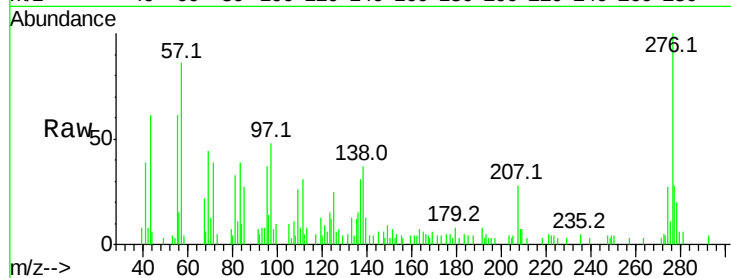




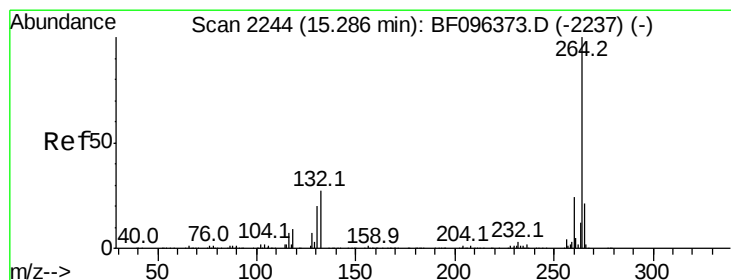
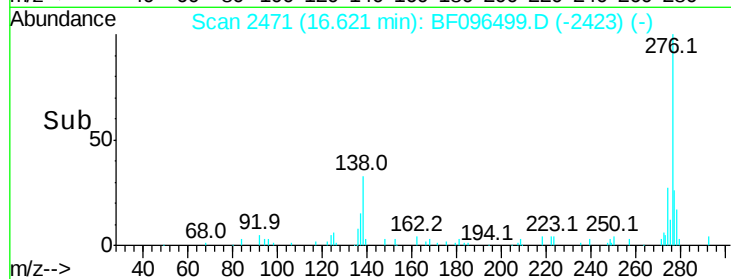
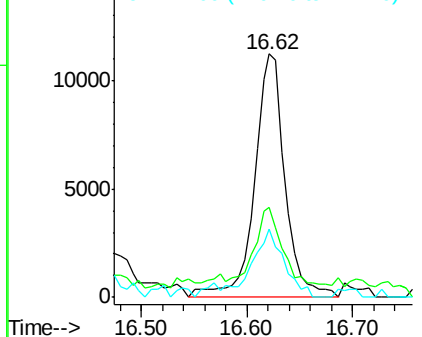
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.67 ng
 RT: 16.62 min Scan# 2471
 Delta R.T. -0.02 min
 Lab File: BF096499.D
 Acq: 5 Jul 2017 23:12

Instrument :
 BNA_F
 ClientSampleId :
 E2-Q5-NSWDL

Tot Ion:276 Resp: 22601
 Ion Ratio Lower Upper
 276 100
 138 27.9 27.8 41.6
 277 27.6 20.2 30.4

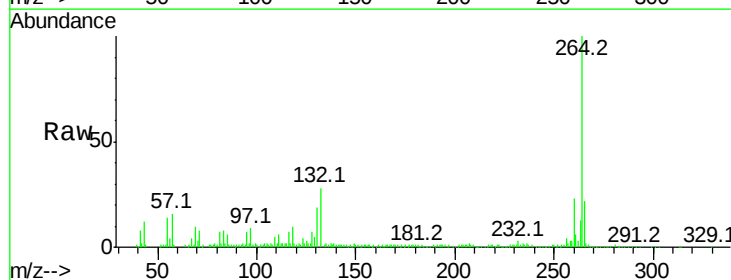


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

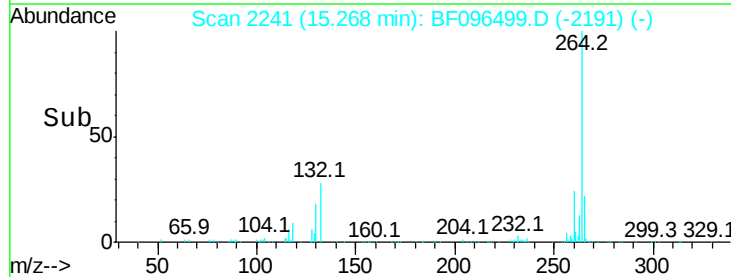
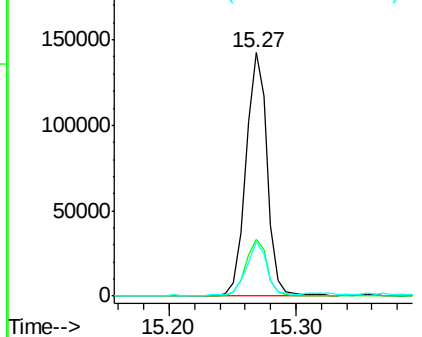


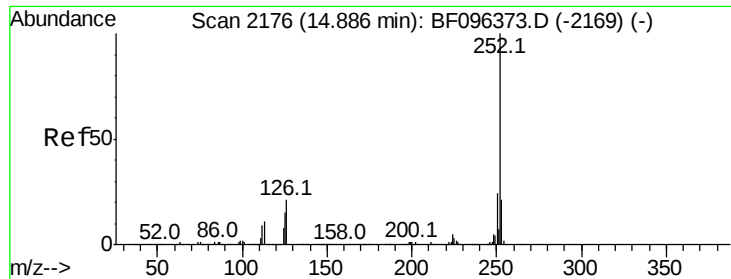
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF096499.D
 Acq: 5 Jul 2017 23:12

Tgt Ion:264 Resp: 165773
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.5 29.3
 265 22.4 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: 6.49 ng m

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF096499.D

Acq: 5 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

E2-Q5-NSWDL

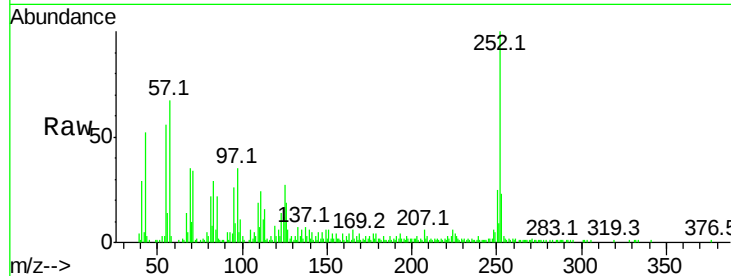
Tot Ion:252 Resp: 67440

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

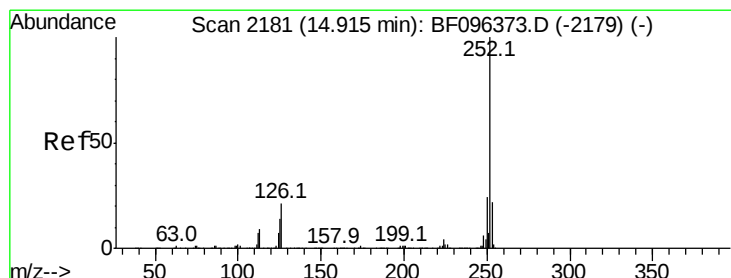
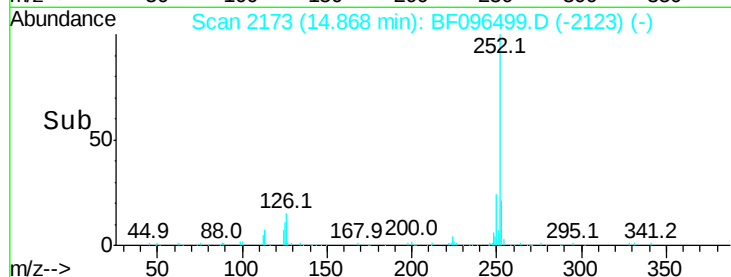
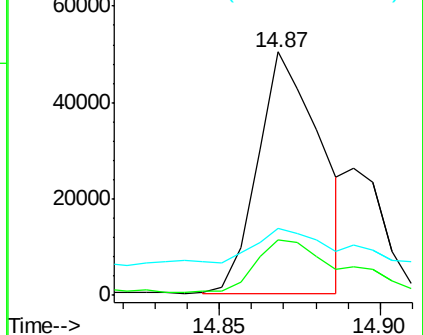
125 27.4 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.33 ng m

RT: 14.89 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BF096499.D

Acq: 5 Jul 2017 23:12

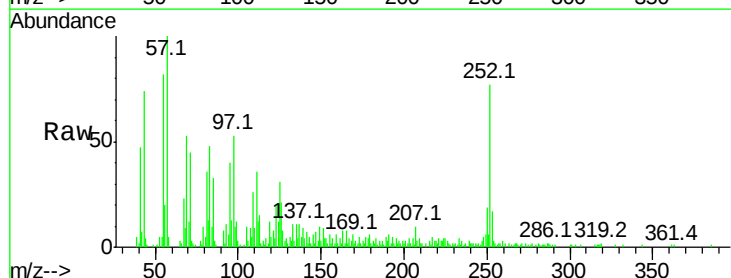
Tgt Ion:252 Resp: 21692

Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

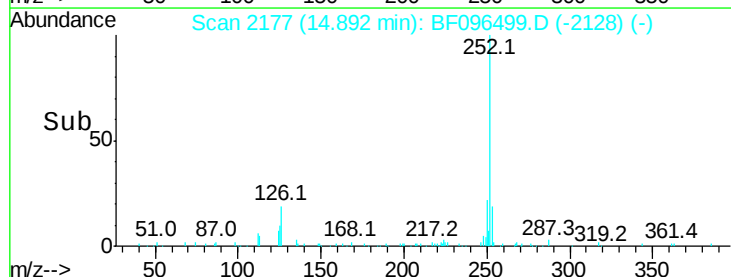
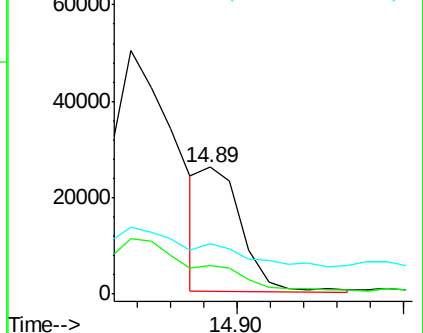
125 39.9 13.1 19.7#

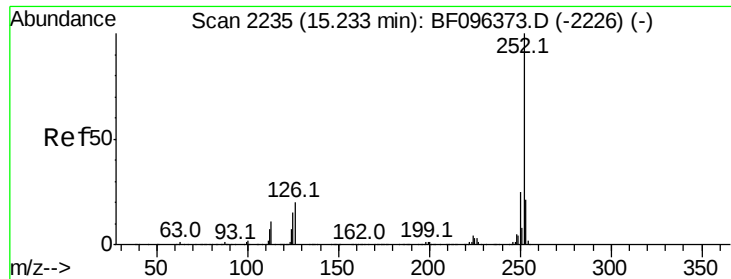


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

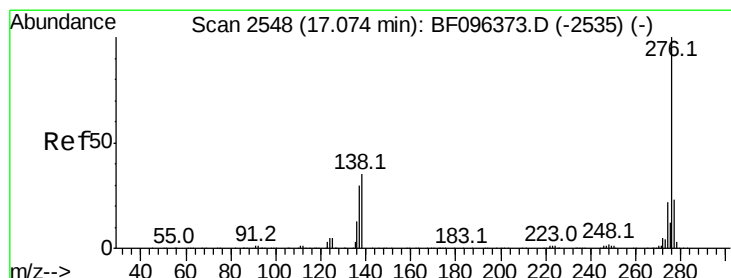
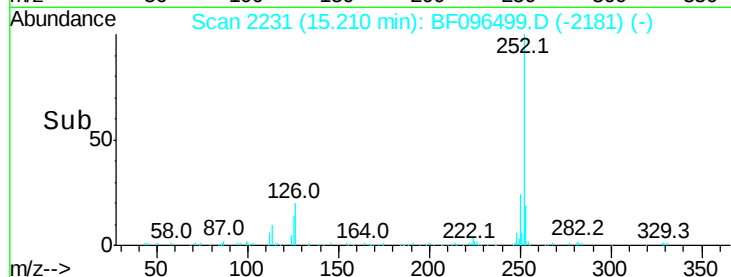
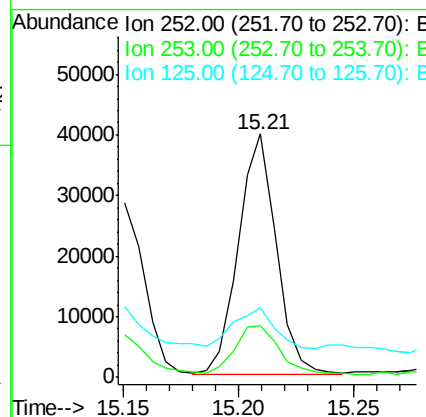
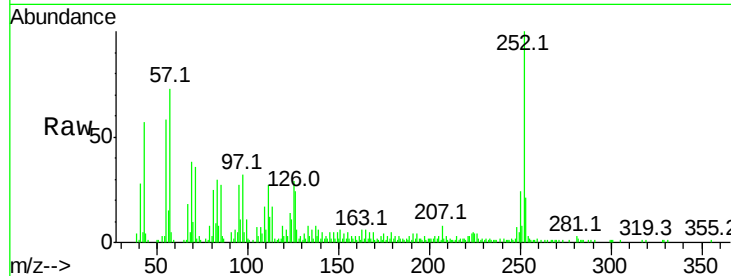




#89
Benzo(a)pyrene
Concen: 4.89 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF096499.D
Acq: 5 Jul 2017 23:12

Instrument :
BNA_F
ClientSampleId :
E2-Q5-NSWDL

Tot Ion:252 Resp: 45319
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 28.6 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.55 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.02 min
Lab File: BF096499.D
Acq: 5 Jul 2017 23:12

Tgt Ion:276 Resp: 19257
Ion Ratio Lower Upper
276 100
277 24.3 18.6 28.0
138 37.1 25.4 38.0

