

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096487.D
 Acq On : 5 Jul 2017 16:43
 Operator : SJ/MA
 Sample : I3871-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 01:39:59 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

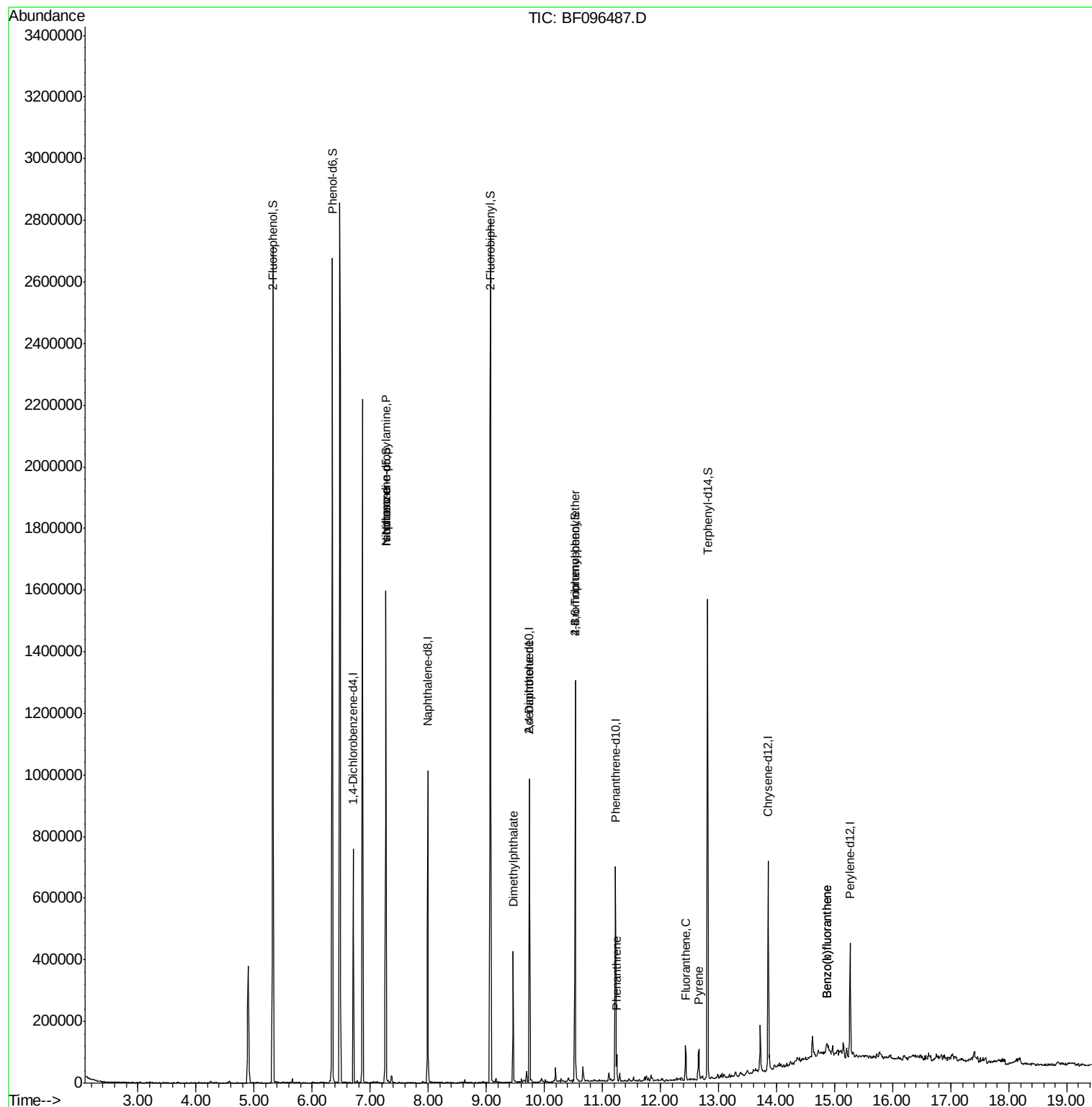
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	103984	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	421673	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	178403	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	231199	20.00	ng	0.00
75) Chrysene-d12	13.86	240	194717	20.00	ng	-0.01
86) Perylene-d12	15.27	264	149589	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	761111	108.03	ng	0.00
7) Phenol-d6	6.35	99	903368	104.30	ng	0.00
23) Nitrobenzene-d5	7.27	82	518082	73.83	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	137614	98.75	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	846800	81.16	ng	0.00
78) Terphenyl-d14	12.82	244	487505	53.50	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	67659	13.11	ng	# 85
25) Isophorone	7.27	82	515400	37.88	ng	# 67
49) Dimethylphthalate	9.46	163	163894	12.31	ng	98
56) 2,4-Dinitrotoluene	9.75	165	23028	6.17	ng	# 33
66) 4-Bromophenyl-phenylether	10.53	248	9023	4.01	ng	# 1
70) Phenanthrene	11.25	178	29756	2.38	ng	97
74) Fluoranthene	12.43	202	41069	3.35	ng	96
77) Pyrene	12.66	202	38638	2.47	ng	98
87) Benzo(b)fluoranthene	14.87	252	27550	2.94	ng	# 91
88) Benzo(k)fluoranthene	14.87	252	27550	3.29	ng	95

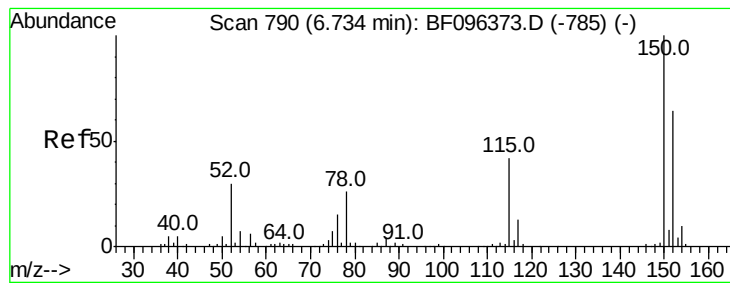
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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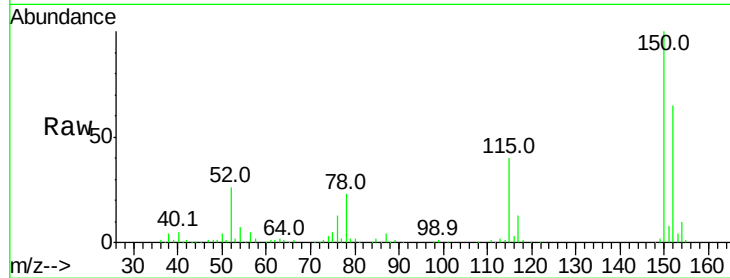


#1

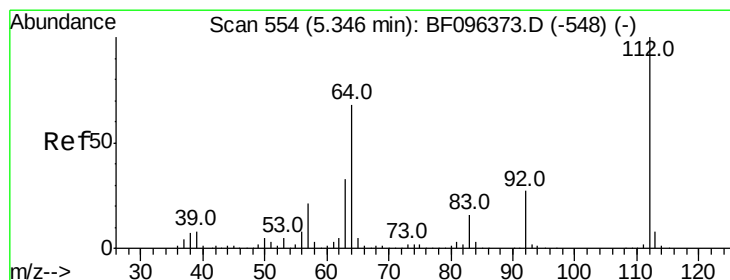
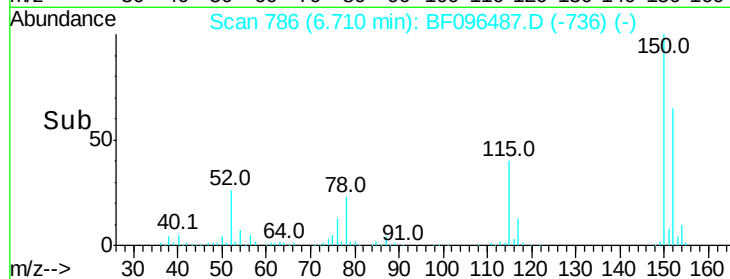
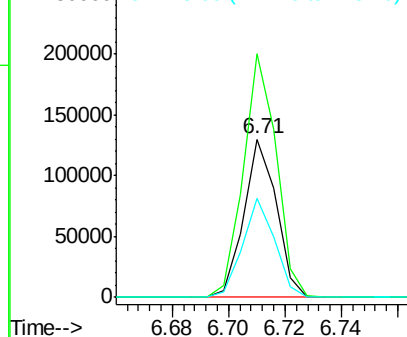
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF096487.D
Acq: 5 Jul 2017 16:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 103984
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.2
115 62.4 52.2 78.2



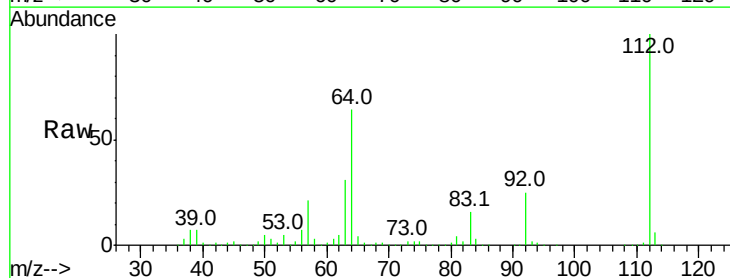
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



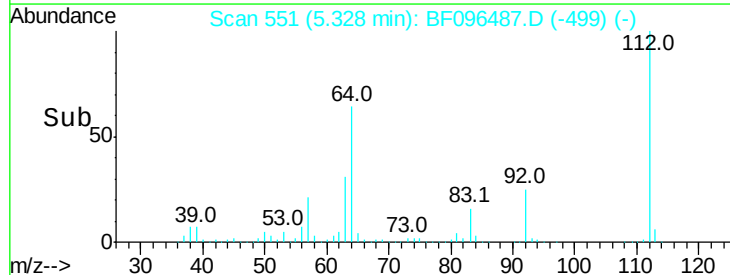
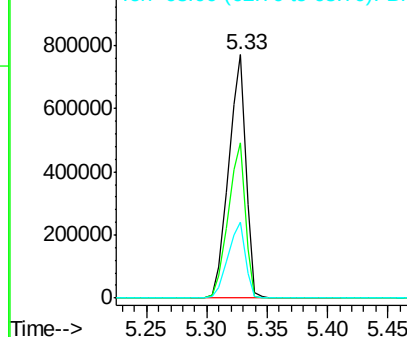
#5

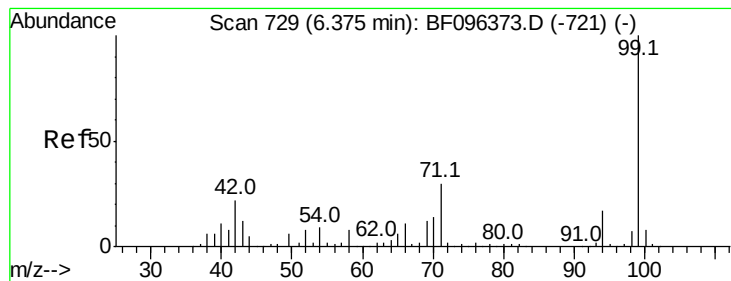
2-Fluorophenol
Concen: 108.03 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF096487.D
Acq: 5 Jul 2017 16:43

Tgt Ion:112 Resp: 761111
Ion Ratio Lower Upper
112 100
64 63.7 46.0 69.0
63 31.3 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: 104.30 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096487.D

Acq: 5 Jul 2017 16:43

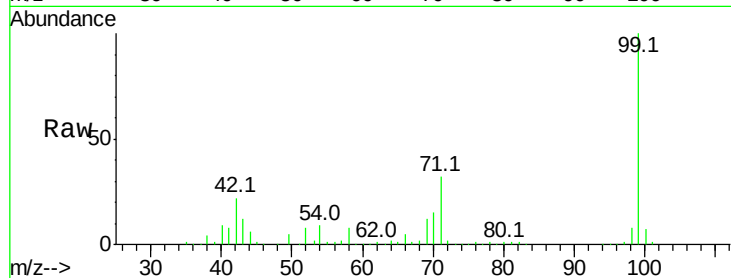
Instrument :

BNA_F

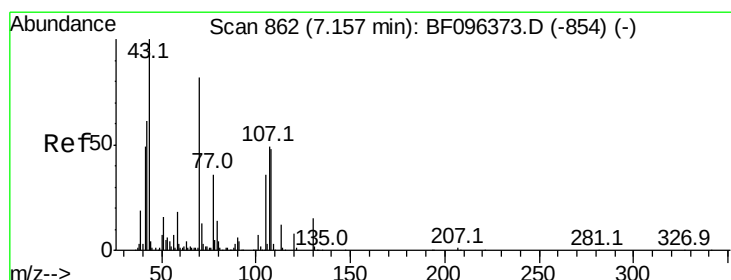
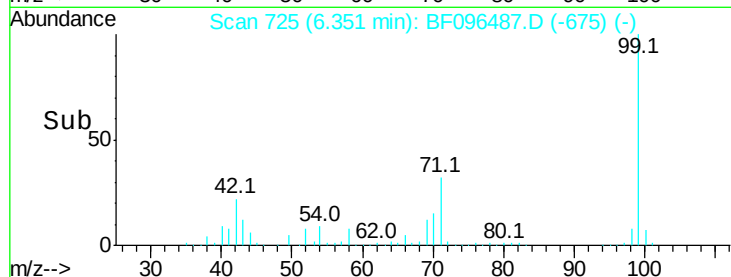
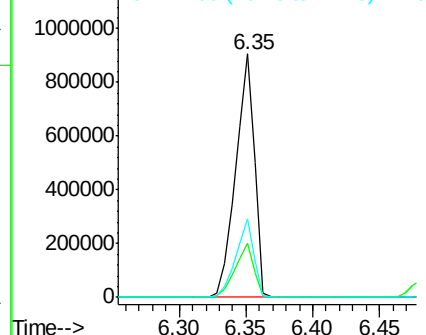
ClientSampleId :

Tot Ion: 99 Resp: 903368

Ion	Ratio	Lower	Upper
99	100		
42	22.3	13.5	20.3#
71	32.2	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



#19

n-Nitroso-di-n-propylamine

Concen: 13.11 ng

RT: 7.27 min Scan# 882

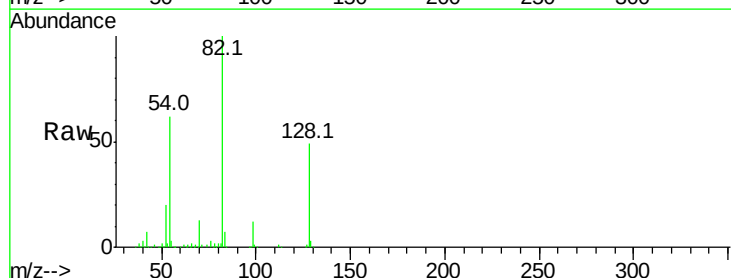
Delta R.T. 0.14 min

Lab File: BF096487.D

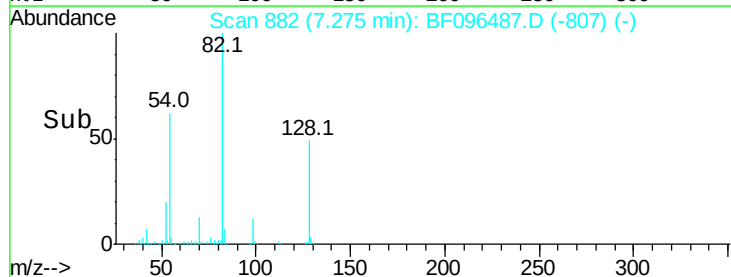
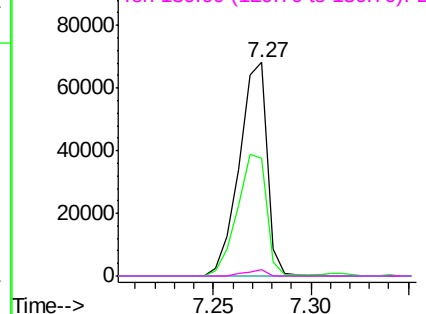
Acq: 5 Jul 2017 16:43

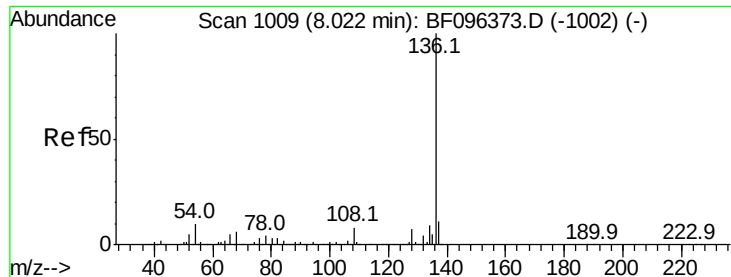
Tgt Ion: 70 Resp: 67659

Ion	Ratio	Lower	Upper
70	100		
42	55.1	47.2	70.8
101	0.0	7.2	10.8#
130	2.8	15.9	23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0

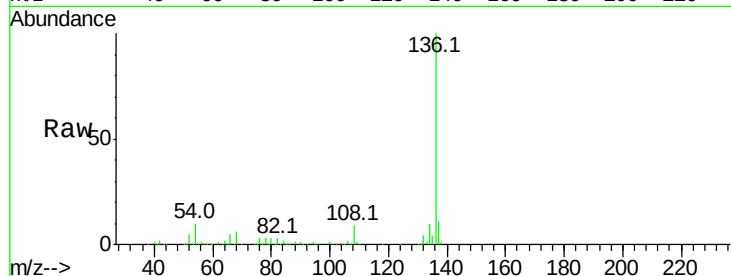




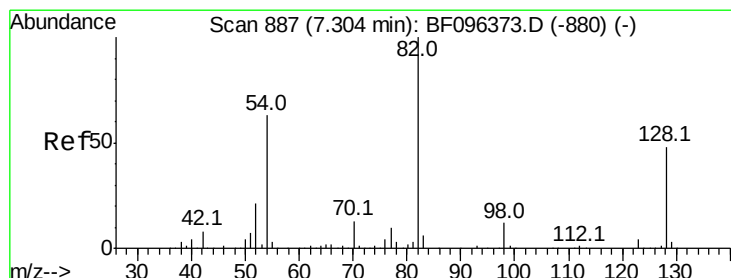
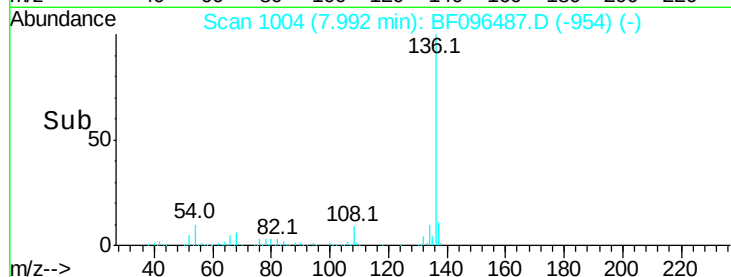
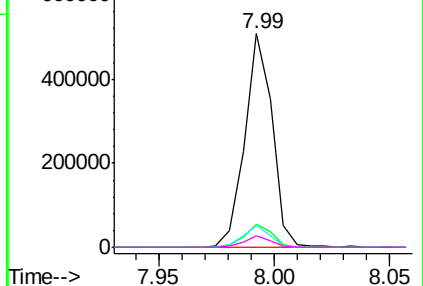
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096487.D
Acq: 5 Jul 2017 16:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	421673
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.5 12.7
54	10.2	4.9 7.3#
68	5.5	4.1 6.1

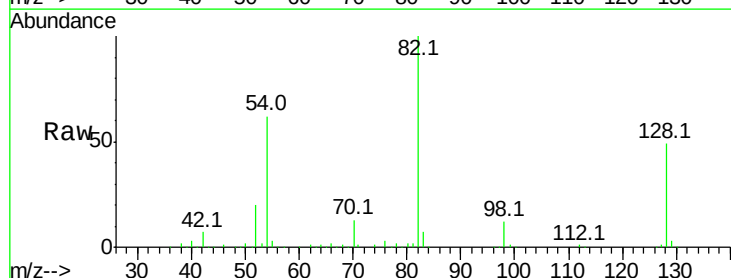


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

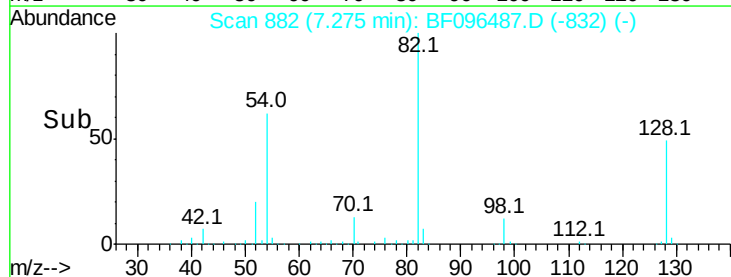
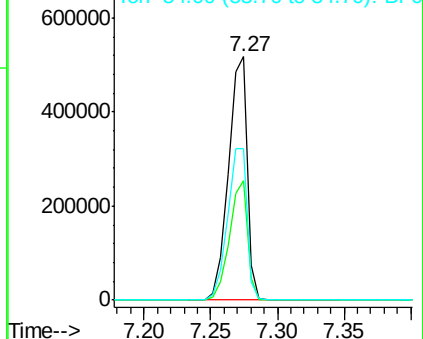


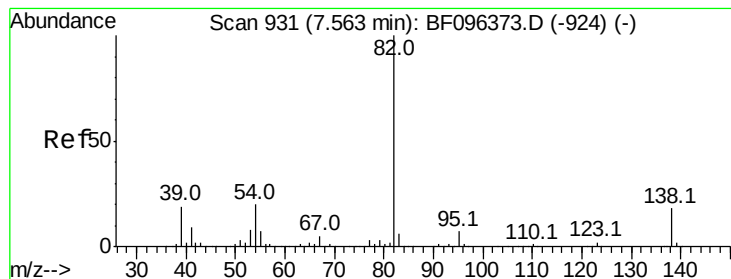
#23
Nitrobenzene-d5
Concen: 73.83 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096487.D
Acq: 5 Jul 2017 16:43

Tgt Ion: 82	Resp:	518082
Ion Ratio	Lower	Upper
82	100	
128	49.1	34.0 51.0
54	62.4	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





#25

Isophorone

Concen: 37.88 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF096487.D

Acq: 5 Jul 2017 16:43

Instrument :

BNA_F

ClientSampled :

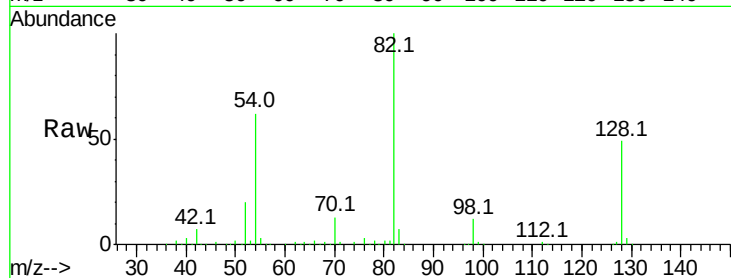
Tot Ion: 82 Resp: 515400

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

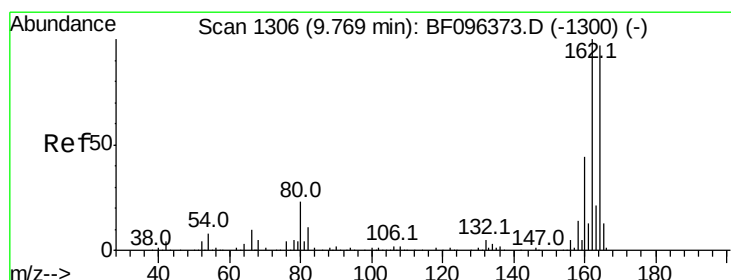
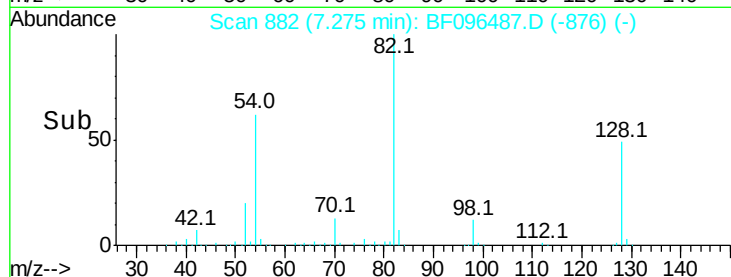
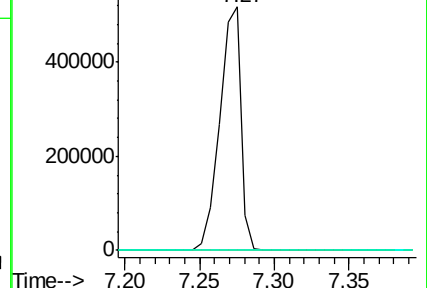
138 0.0 13.1 19.7#



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: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF096487.D

Acq: 5 Jul 2017 16:43

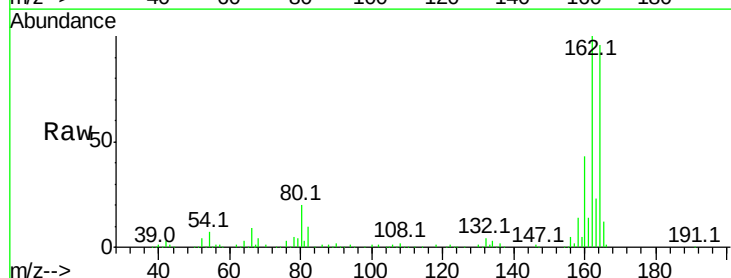
Tgt Ion:164 Resp: 178403

Ion Ratio Lower Upper

164 100

162 104.3 82.6 123.8

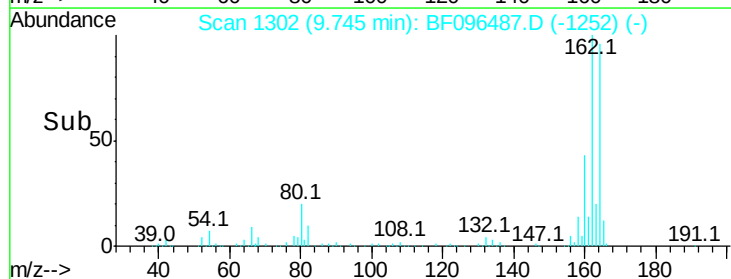
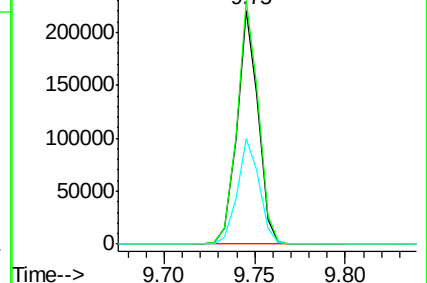
160 44.9 36.2 54.2

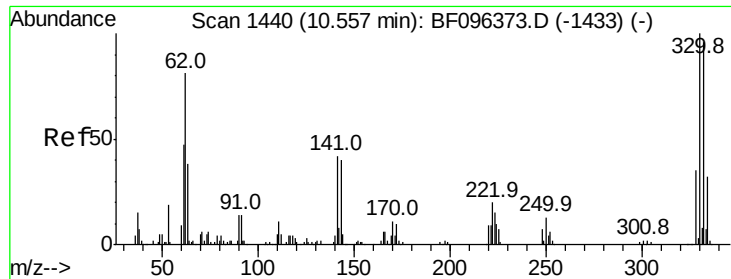


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

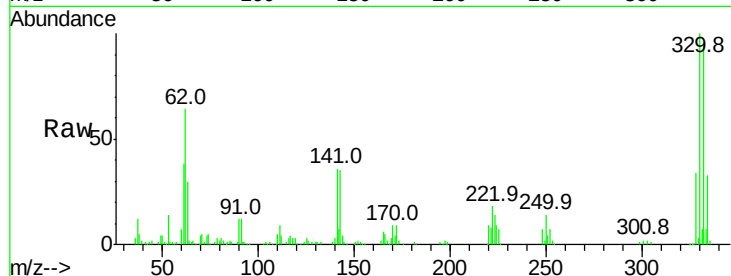




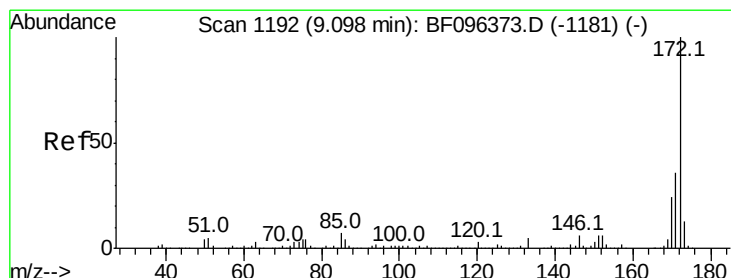
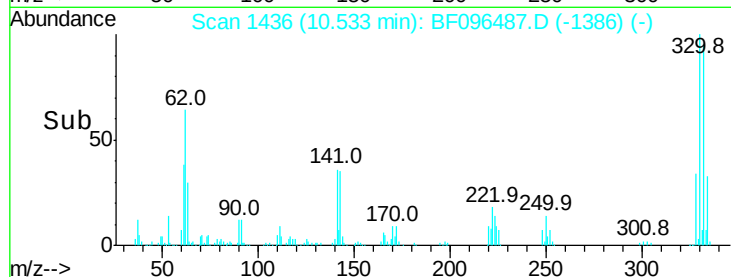
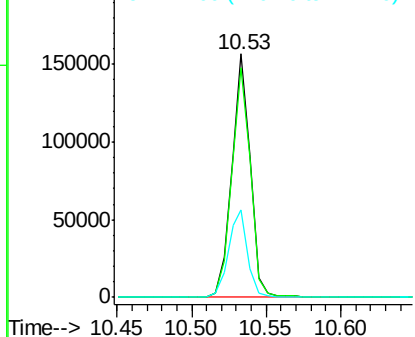
#41
 2,4,6-Tribromophenol
 Concen: 98.75 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096487.D
 Acq: 5 Jul 2017 16:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 137614
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 115.0
 141 37.0 31.4 47.2

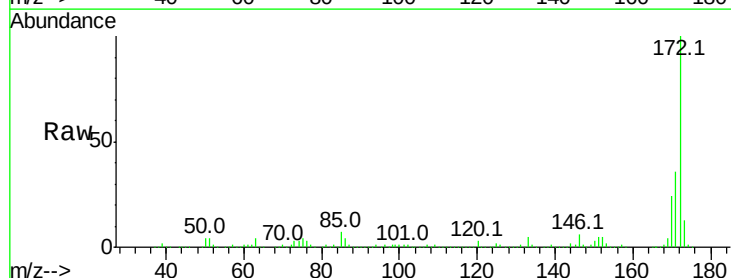


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

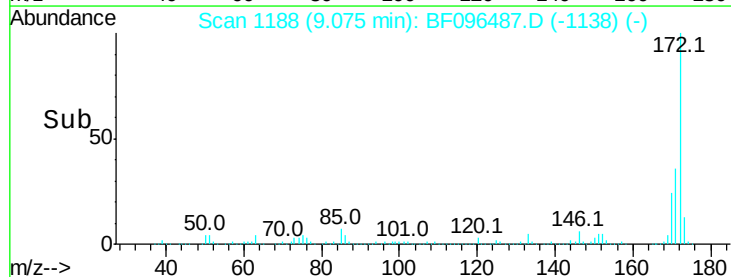
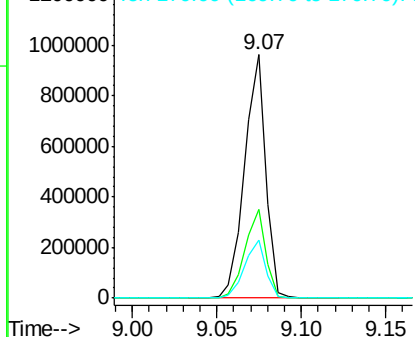


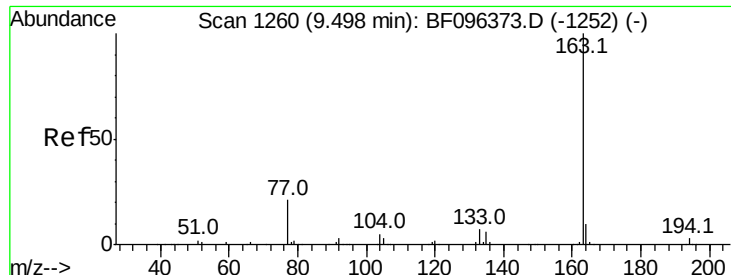
#44
 2-Fluorobiphenyl
 Concen: 81.16 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096487.D
 Acq: 5 Jul 2017 16:43

Tgt Ion:172 Resp: 846800
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.0 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

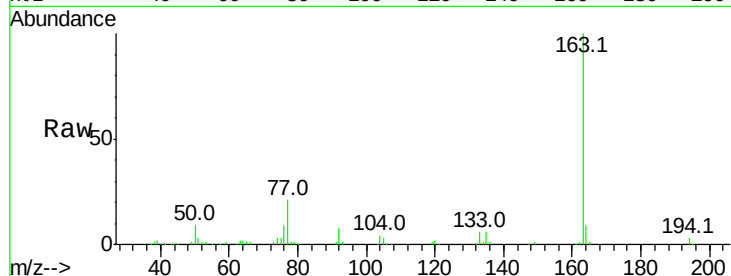




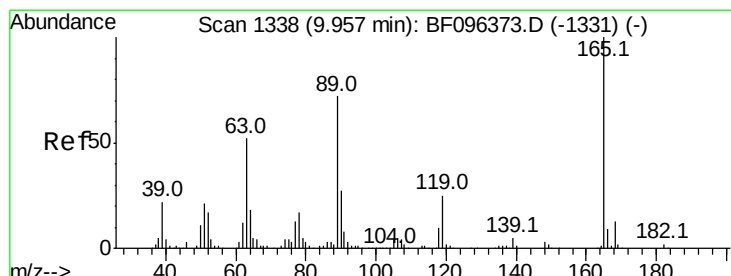
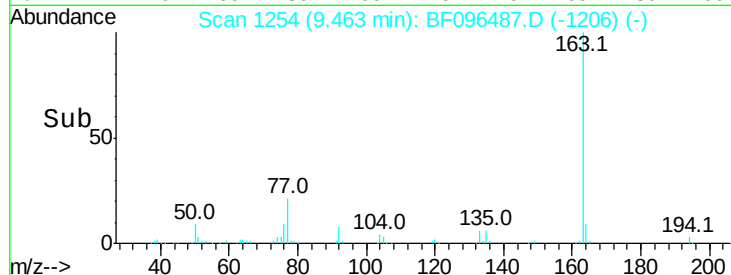
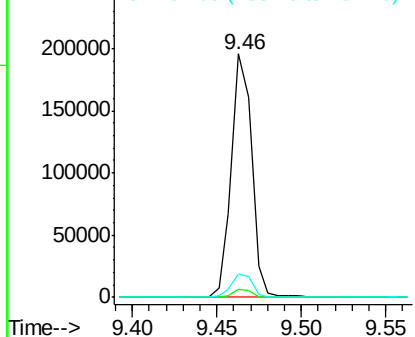
#49
 Dimethylphthalate
 Concen: 12.31 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. -0.02 min
 Lab File: BF096487.D
 Acq: 5 Jul 2017 16:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.5	8.4	12.6

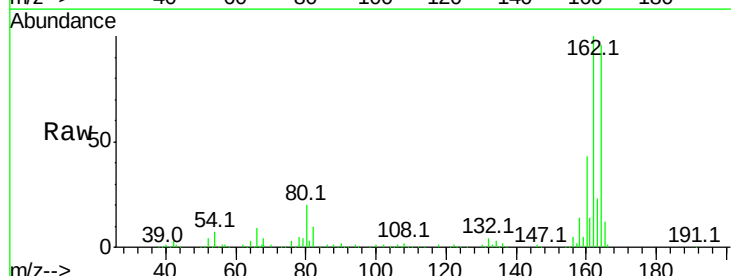


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

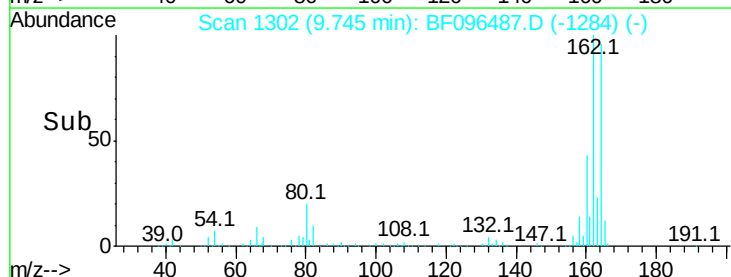
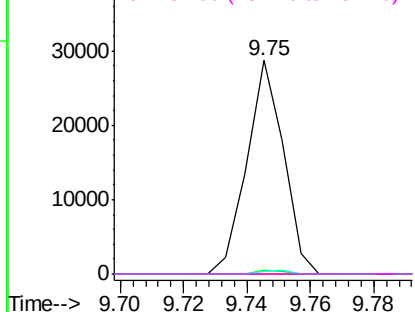


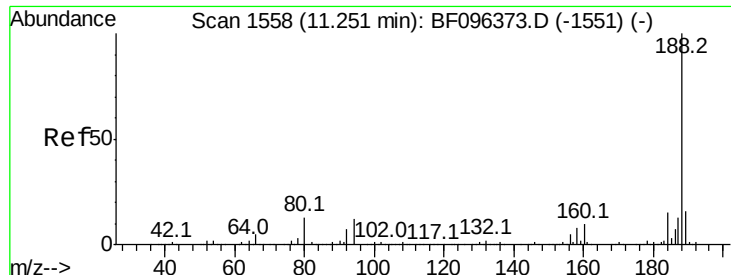
#56
 2,4-Dinitrotoluene
 Concen: 6.17 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.19 min
 Lab File: BF096487.D
 Acq: 5 Jul 2017 16:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	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: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF096487.D

Acq: 5 Jul 2017 16:43

Instrument :

BNA_F

ClientSampleId :

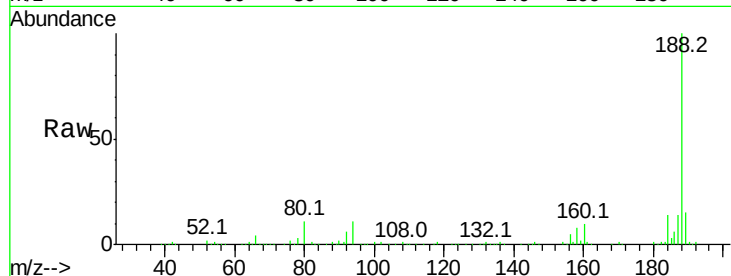
Tot Ion:188 Resp: 231199

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.2

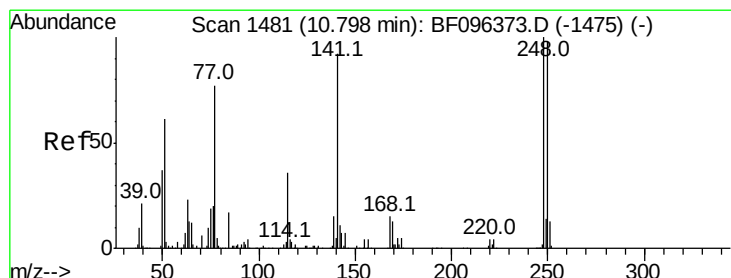
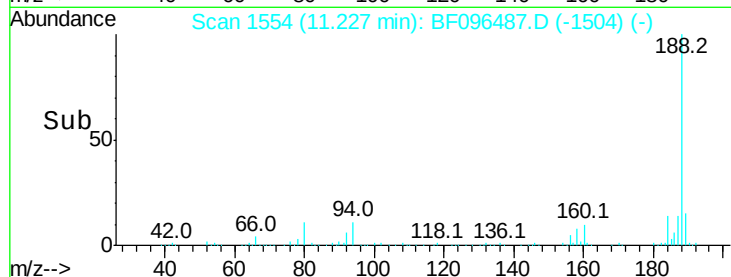
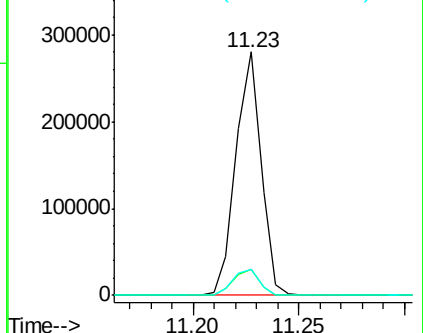
80 10.8 10.2 15.2



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



#66

4-Bromophenyl-phenylether

Concen: 4.01 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.25 min

Lab File: BF096487.D

Acq: 5 Jul 2017 16:43

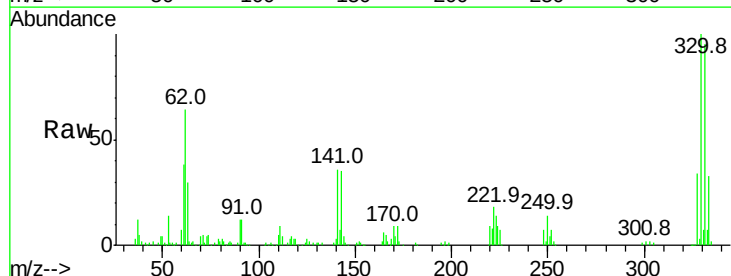
Tgt Ion:248 Resp: 9023

Ion Ratio Lower Upper

248 100

250 208.8 76.8 115.2#

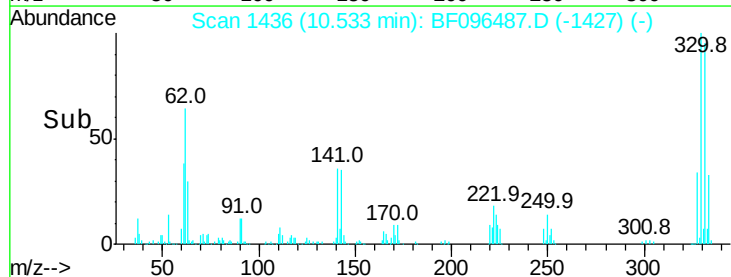
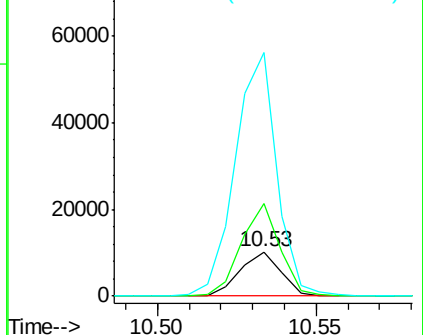
141 548.5 68.6 103.0#

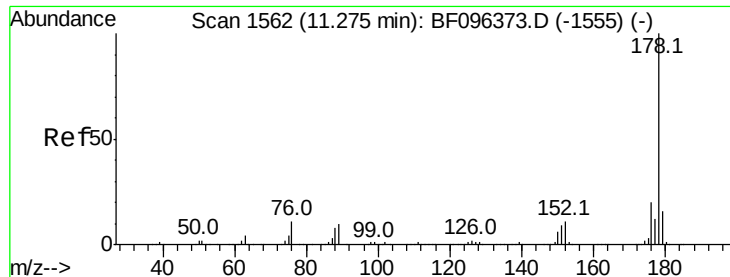


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.38 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF096487.D

Acq: 5 Jul 2017 16:43

Instrument :

BNA_F

ClientSampled :

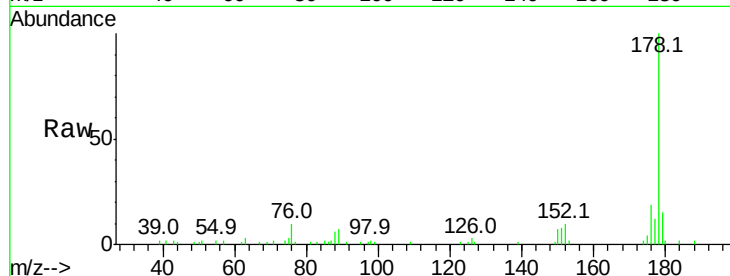
Tot Ion:178 Resp: 29756

Ion Ratio Lower Upper

178 100

176 18.6 16.2 24.4

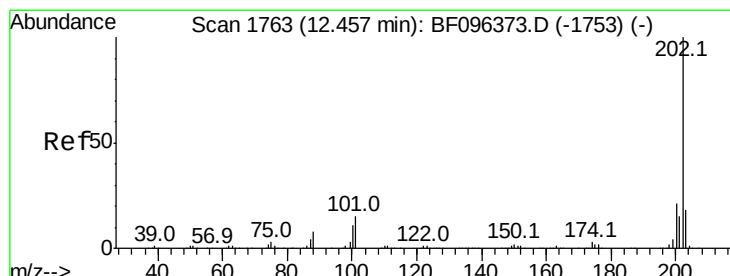
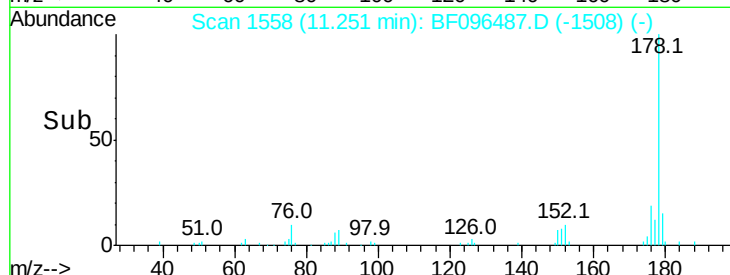
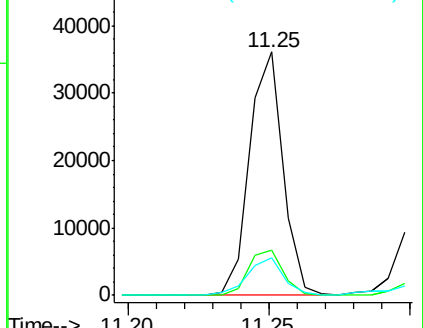
179 15.2 12.6 19.0



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



#74

Fluoranthene

Concen: 3.35 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF096487.D

Acq: 5 Jul 2017 16:43

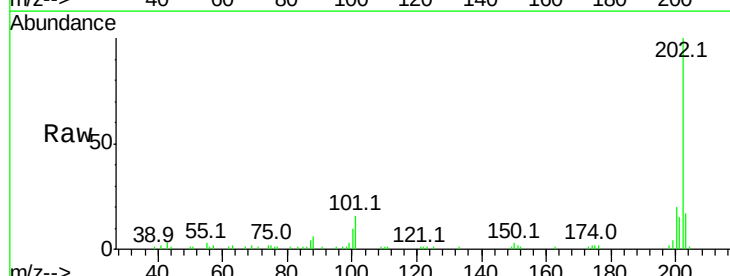
Tgt Ion:202 Resp: 41069

Ion Ratio Lower Upper

202 100

101 16.0 0.0 33.2

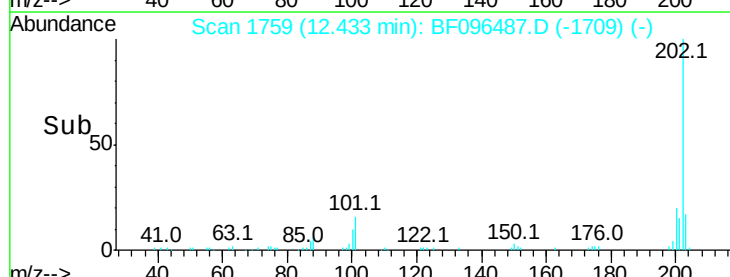
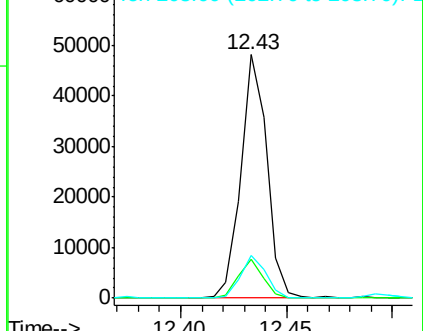
203 17.5 0.0 38.1

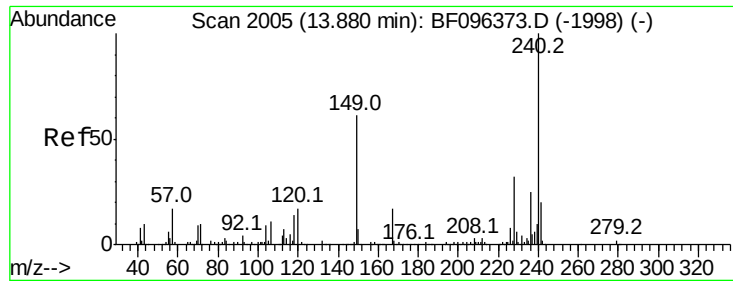


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF096487.D

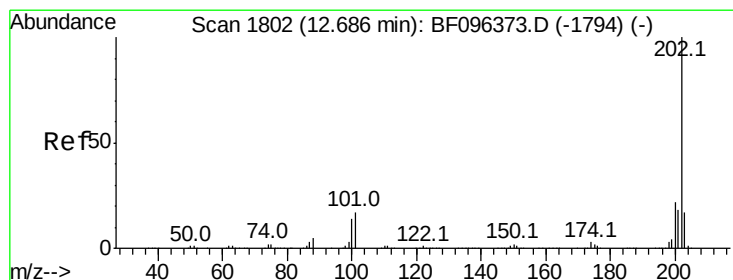
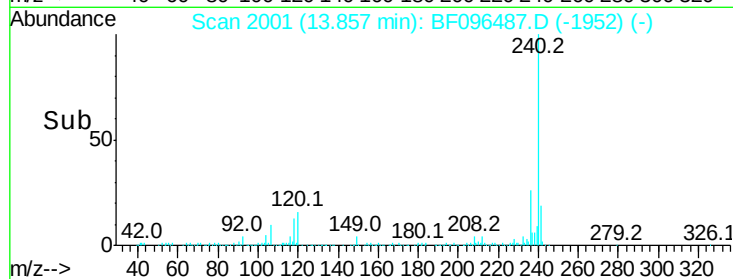
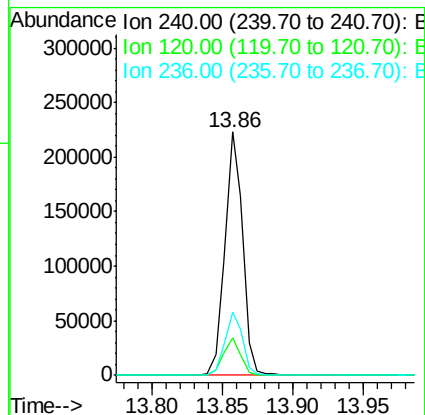
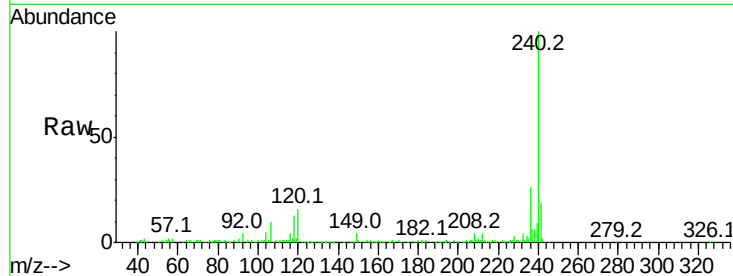
Acq: 5 Jul 2017 16:43

Instrument :

BNA_F

ClientSampled :

Tot Ion:240 Resp: 194717
 Ion Ratio Lower Upper
 240 100
 120 15.5 5.8 8.8#
 236 26.1 20.5 30.7



#77

Pyrene

Concen: 2.47 ng

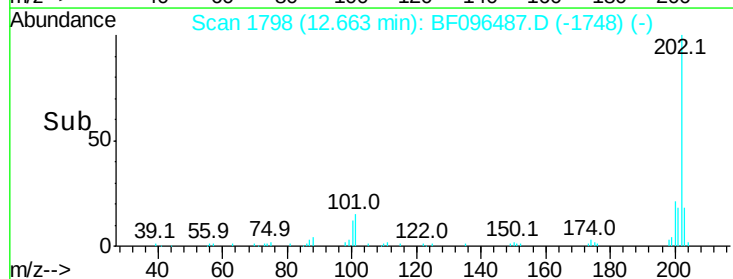
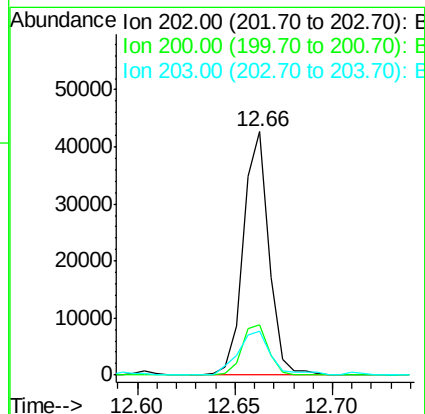
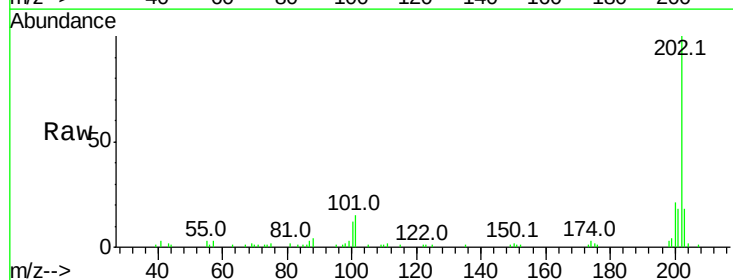
RT: 12.66 min Scan# 1798

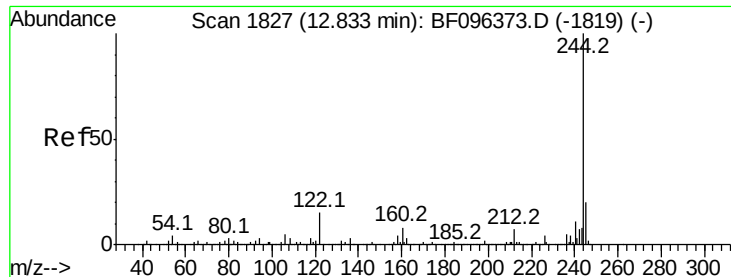
Delta R.T. -0.01 min

Lab File: BF096487.D

Acq: 5 Jul 2017 16:43

Tgt Ion:202 Resp: 38638
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.6 26.4
 203 17.9 14.4 21.6





#78

Terphenyl-d14

Concen: 53.50 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF096487.D

Acq: 5 Jul 2017 16:43

Instrument :

BNA_F

ClientSampleId :

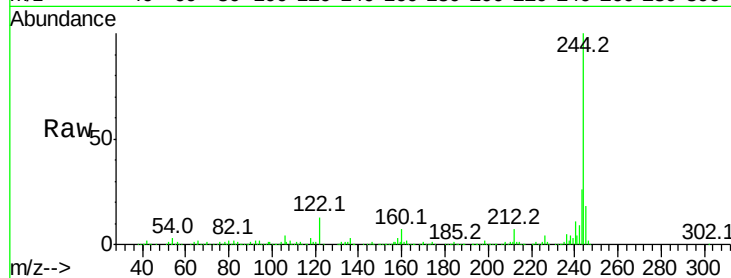
Tot Ion:244 Resp: 487505

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

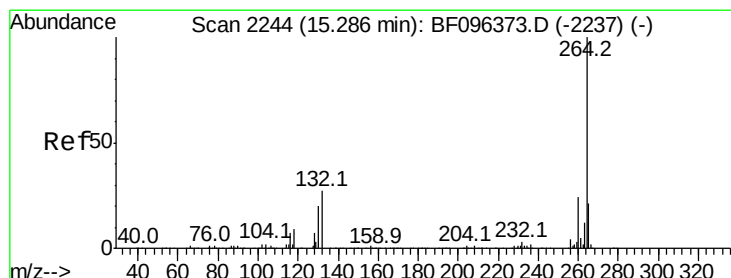
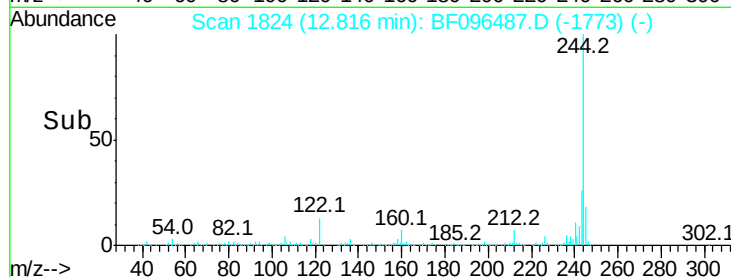
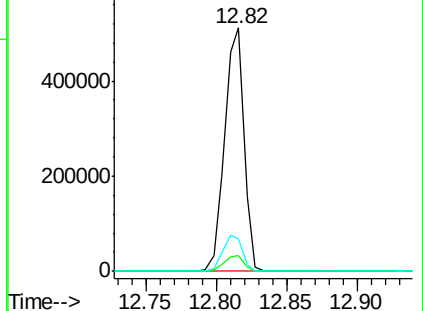
122 13.2 10.3 15.5



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: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF096487.D

Acq: 5 Jul 2017 16:43

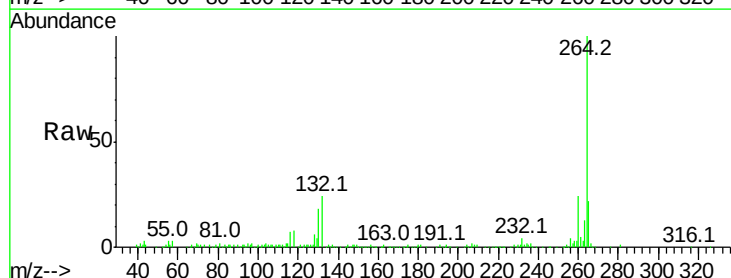
Tgt Ion:264 Resp: 149589

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

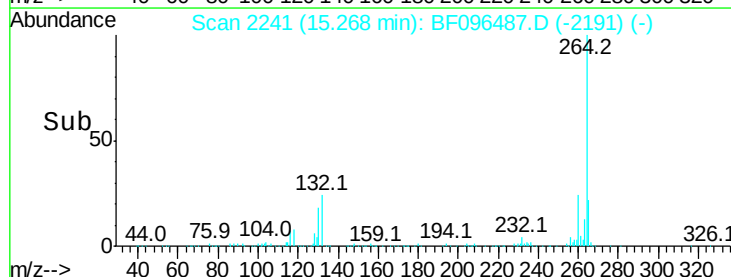
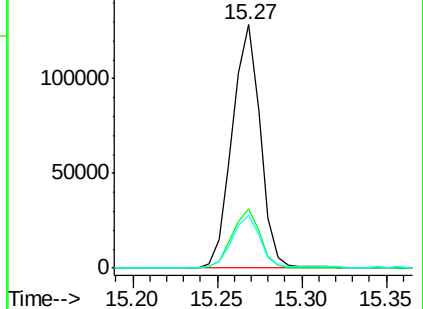
265 21.5 17.2 25.8

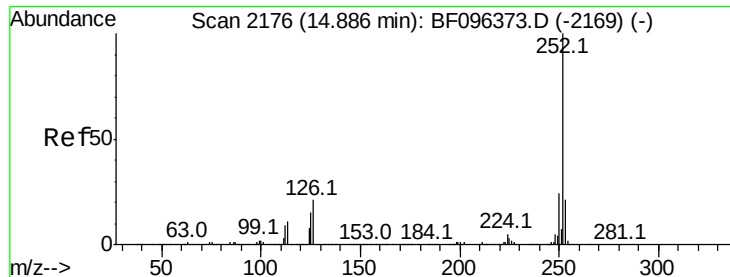


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.94 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF096487.D

Acq: 5 Jul 2017 16:43

Instrument :

BNA_F

ClientSampleId :

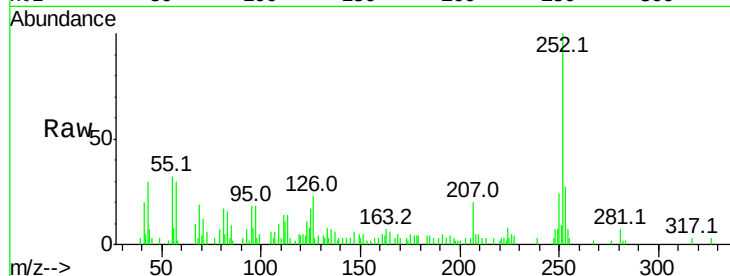
Tot Ion:252 Resp: 27550

Ion Ratio Lower Upper

252 100

253 26.6 18.1 27.1

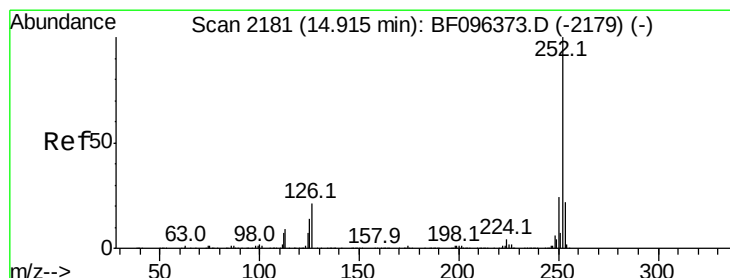
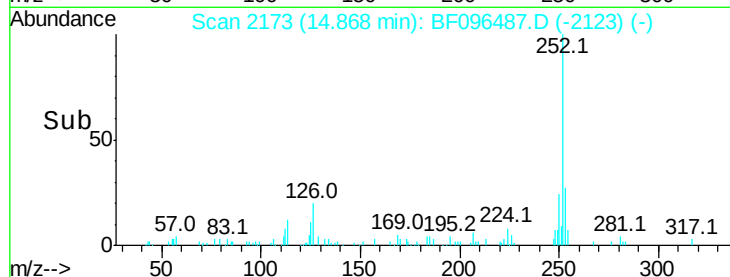
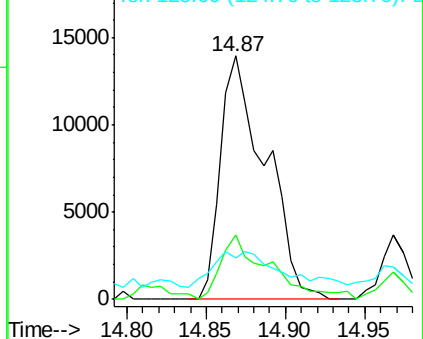
125 16.8 9.8 14.8#



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: 3.29 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.04 min

Lab File: BF096487.D

Acq: 5 Jul 2017 16:43

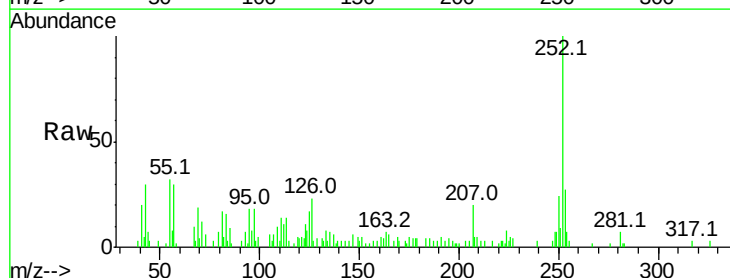
Tgt Ion:252 Resp: 27550

Ion Ratio Lower Upper

252 100

253 26.6 18.4 27.6

125 16.8 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

