

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070217\
 Data File : BF096425.D
 Acq On : 2 Jul 2017 19:27
 Operator : SJ/MA
 Sample : I3950-07 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 04:35:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

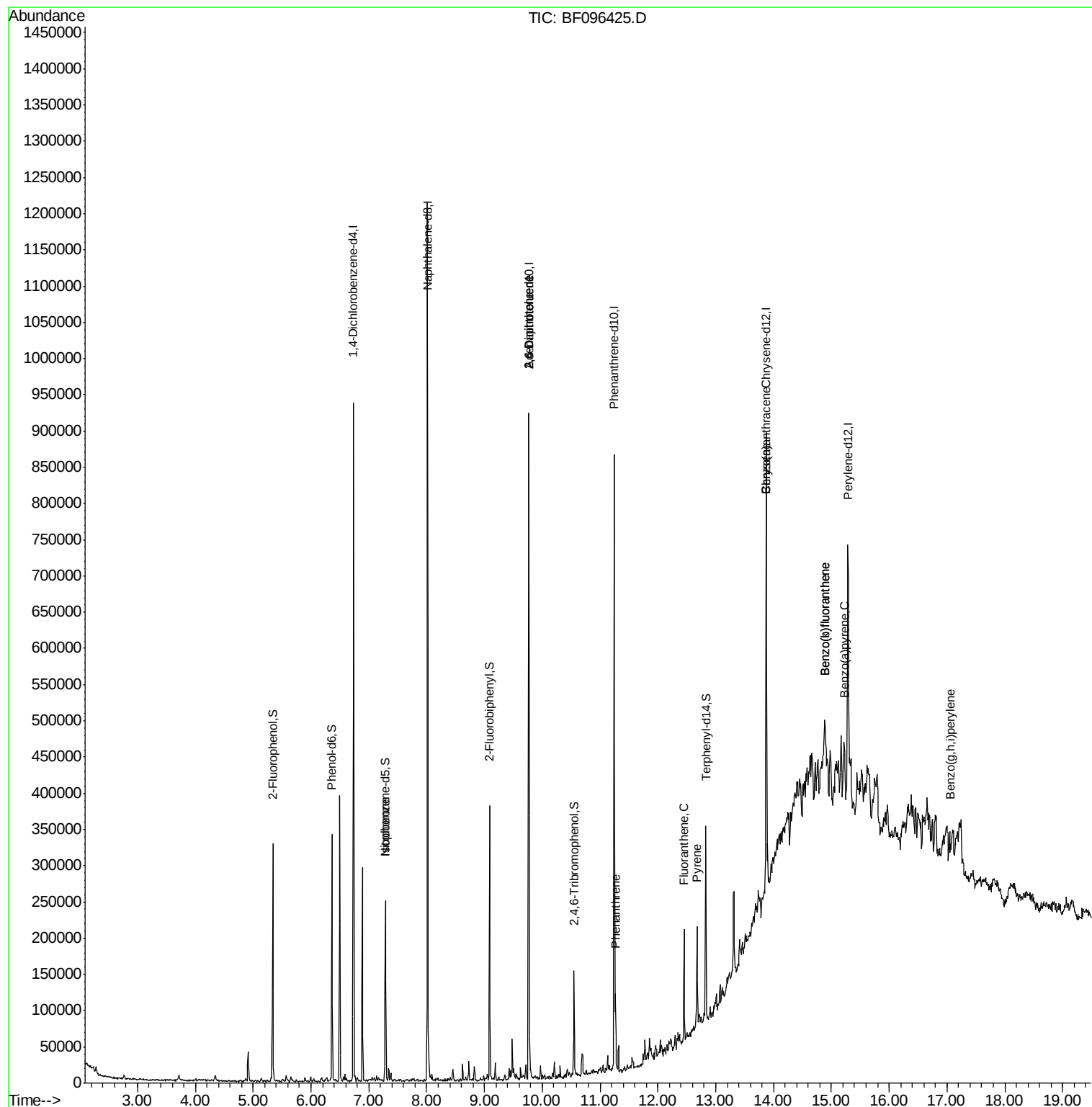
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	124887	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	472278	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	173992	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	276873	20.00	ng	0.00
75) Chrysene-d12	13.87	240	205869	20.00	ng	0.00
86) Perylene-d12	15.29	264	144495	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	91738	10.84	ng	0.00
7) Phenol-d6	6.36	99	109412	10.52	ng	-0.01
23) Nitrobenzene-d5	7.29	82	62679	7.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	14267	10.50	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	118759	11.67	ng	0.00
78) Terphenyl-d14	12.83	244	70652	7.33	ng	0.00
Target Compounds						
25) Isophorone	7.29	82	62470	4.10	ng	# 67
50) 2,6-Dinitrotoluene	9.77	165	21479	7.48	ng	# 33
56) 2,4-Dinitrotoluene	9.77	165	21479	5.91	ng	# 32
70) Phenanthrene	11.27	178	34553	2.31	ng	98
74) Fluoranthene	12.45	202	54061	3.68	ng	96
77) Pyrene	12.68	202	53232	3.22	ng	96
80) Benzo(a)anthracene	13.86	228	27587	2.31	ng	93
82) Chrysene	13.86	228	27587	2.21	ng	96
87) Benzo(b)fluoranthene	14.89	252	41307	4.56	ng	# 77
88) Benzo(k)fluoranthene	14.89	252	41398	5.11	ng	# 81
89) Benzo(a)pyrene	15.23	252	17514	2.17	ng	# 69
91) Benzo(a,h,i)perylene	17.06	276	13959	2.12	ng	# 82

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

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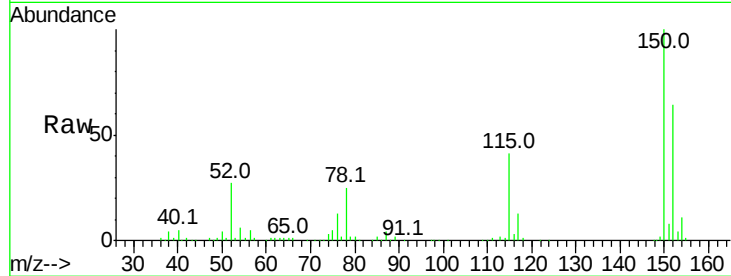


#1

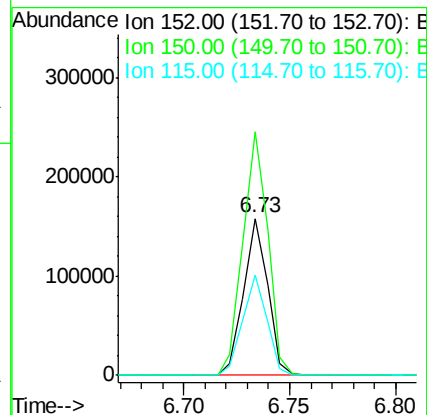
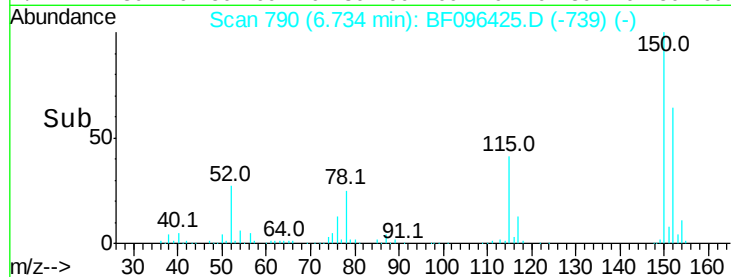
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF096425.D
Acq: 2 Jul 2017 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.2	189.2
115	64.3	52.2	78.2



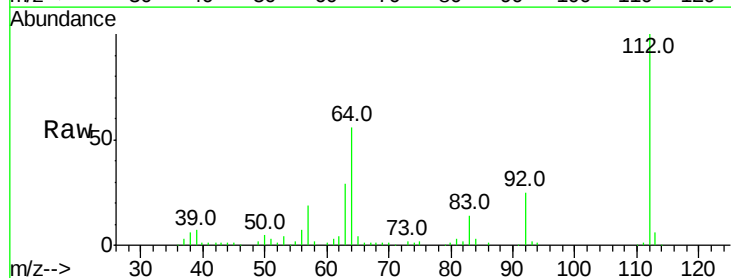
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



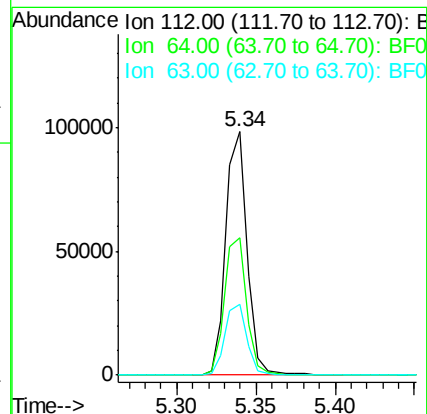
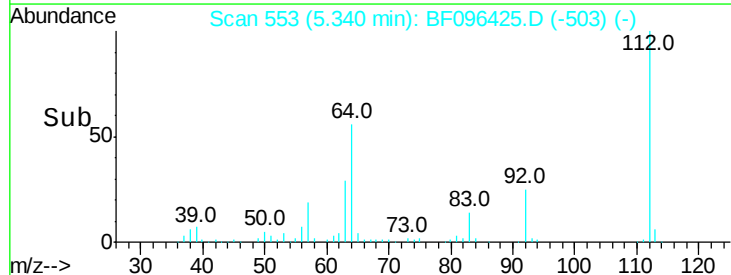
#5

2-Fluorophenol
Concen: 10.84 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF096425.D
Acq: 2 Jul 2017 19:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.0	69.0
63	29.0	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: 10.52 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096425.D

Acq: 2 Jul 2017 19:27

Instrument :

BNA_F

ClientSampleId :

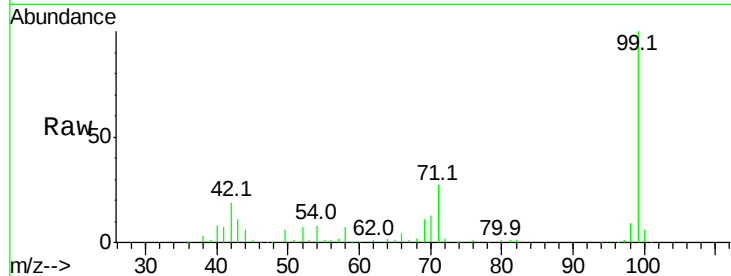
Tot Ion: 99 Resp: 109412

Ion Ratio Lower Upper

99 100

42 18.8 13.5 20.3

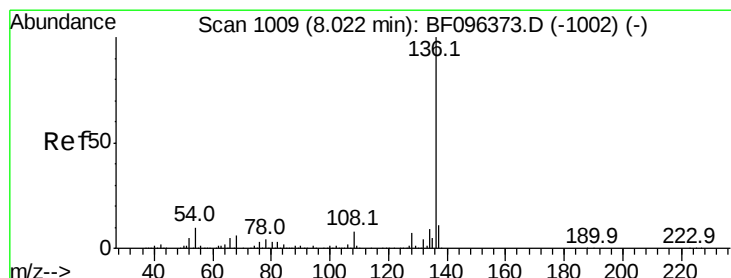
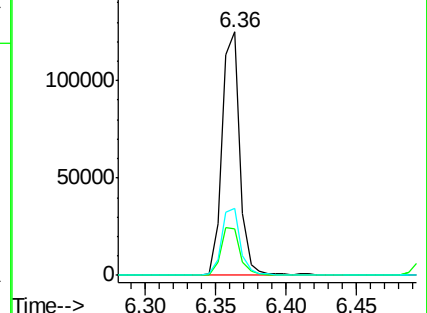
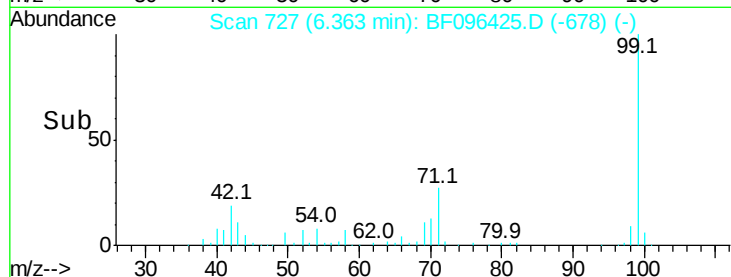
71 27.3 24.5 36.7



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: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096425.D

Acq: 2 Jul 2017 19:27

Tgt Ion: 136 Resp: 472278

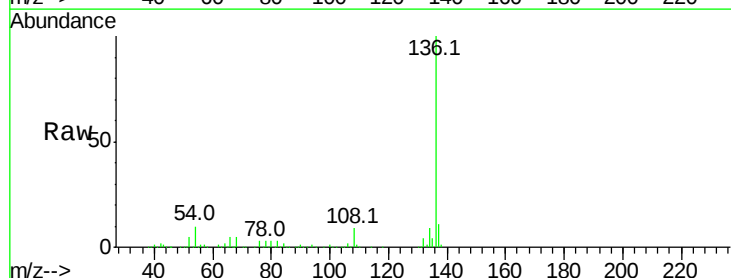
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 9.6 4.9 7.3#

68 5.4 4.1 6.1

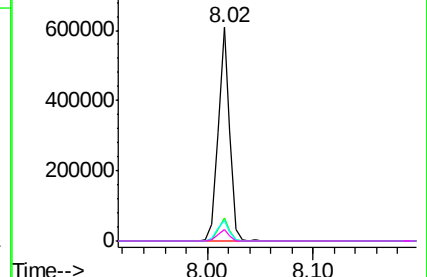
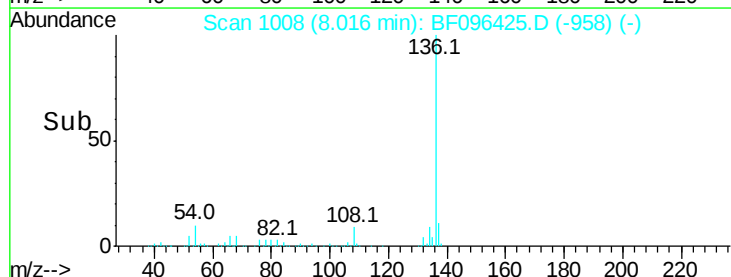


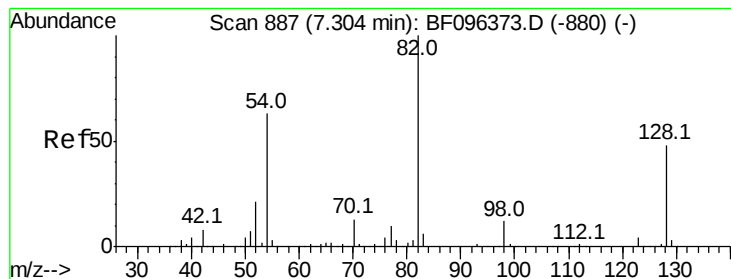
Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.98 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF096425.D

Acq: 2 Jul 2017 19:27

Instrument :

BNA_F

ClientSampled :

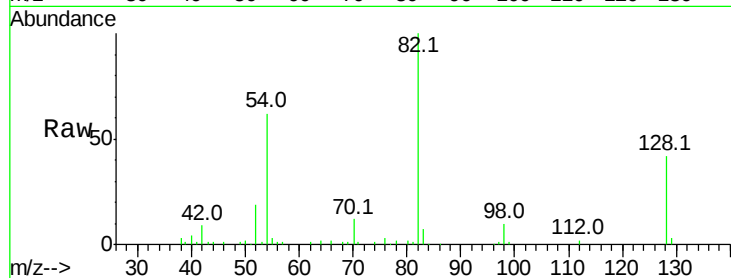
Tot Ion: 82 Resp: 62679

Ion Ratio Lower Upper

82 100

128 42.2 34.0 51.0

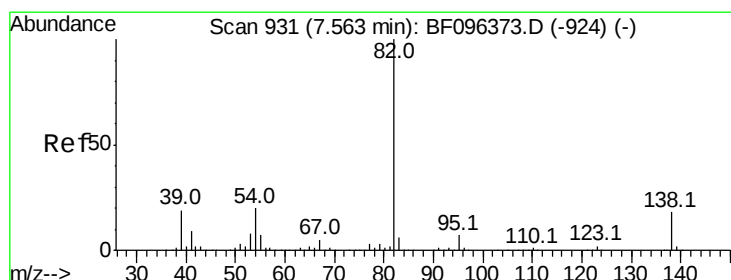
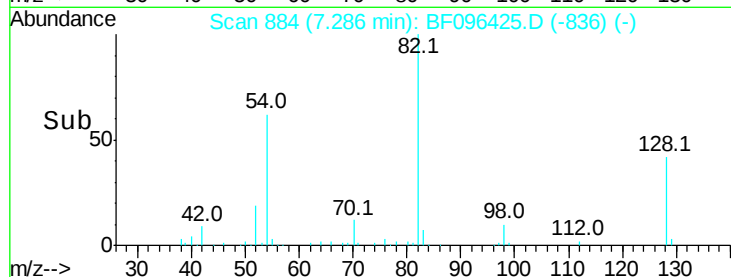
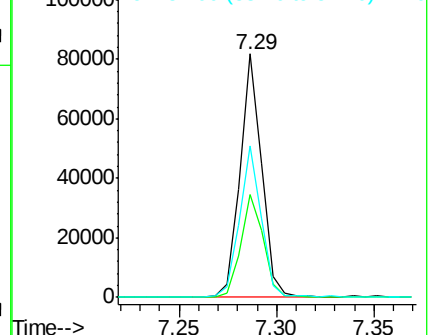
54 62.4 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 4.10 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF096425.D

Acq: 2 Jul 2017 19:27

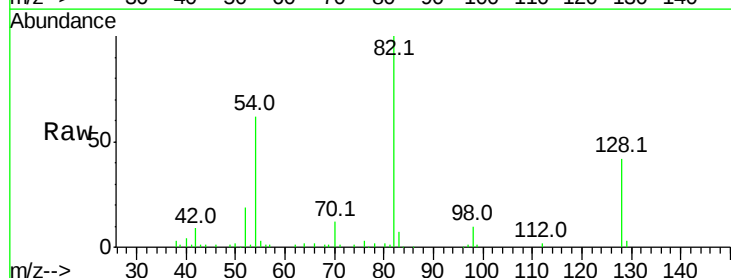
Tgt Ion: 82 Resp: 62470

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

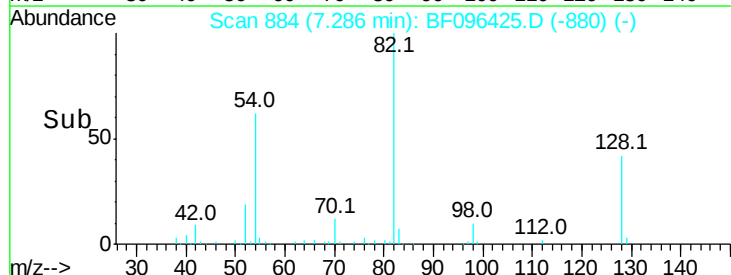
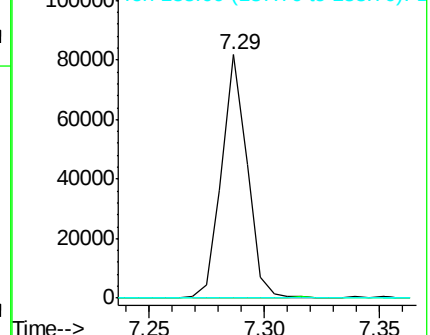
138 0.0 13.1 19.7#

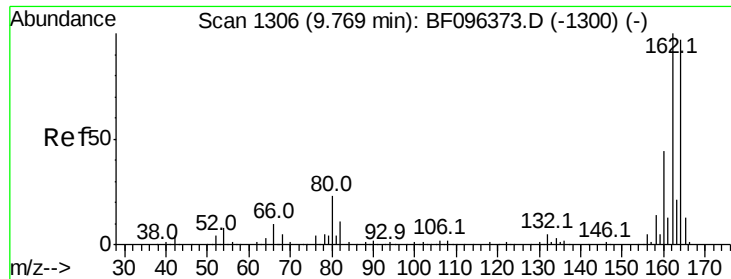


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

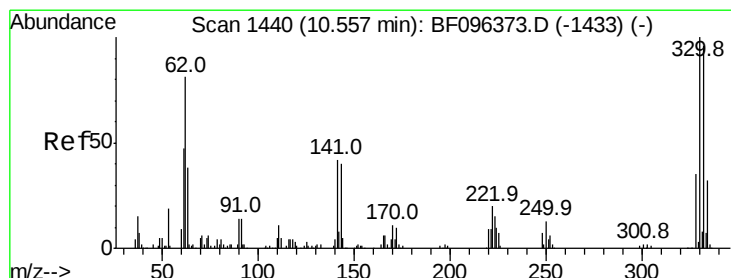
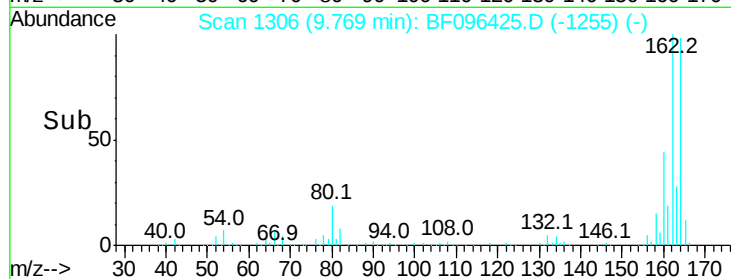
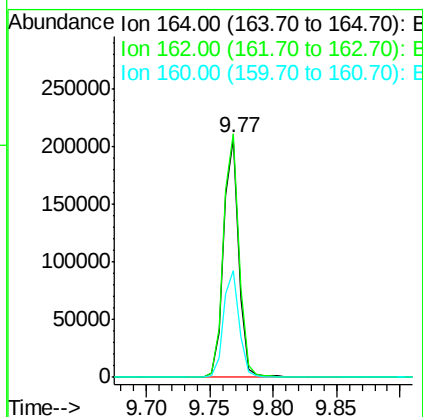
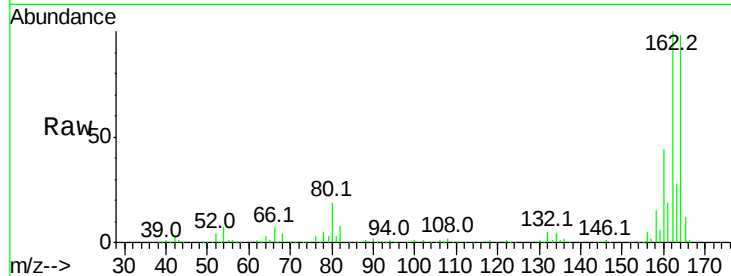




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF096425.D
Acq: 2 Jul 2017 19:27

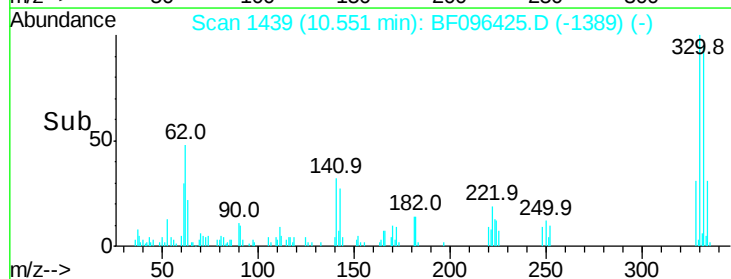
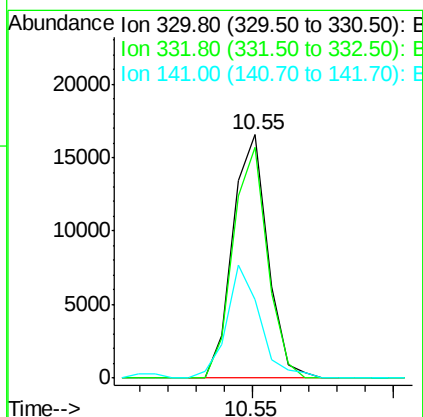
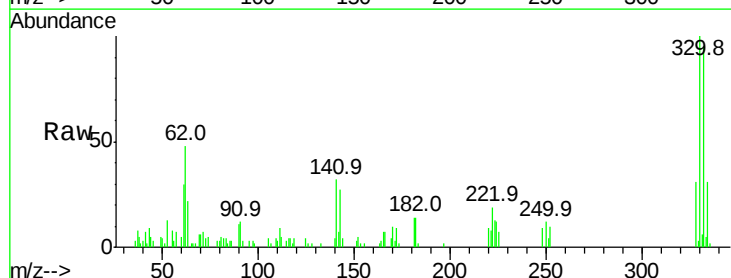
Instrument :
BNA_F
ClientSampleId :

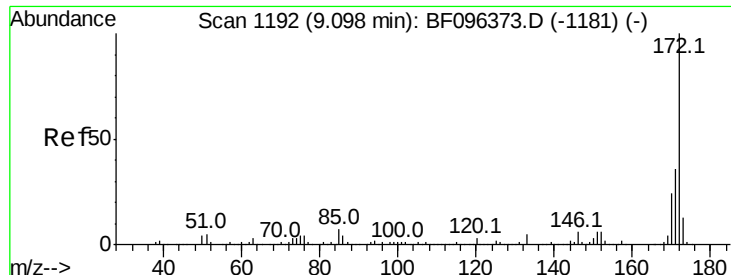
Tot Ion:164 Resp: 173992
Ion Ratio Lower Upper
164 100
162 101.8 82.6 123.8
160 44.4 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 10.50 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF096425.D
Acq: 2 Jul 2017 19:27

Tgt Ion:330 Resp: 14267
Ion Ratio Lower Upper
330 100
332 92.8 76.6 115.0
141 44.3 31.4 47.2

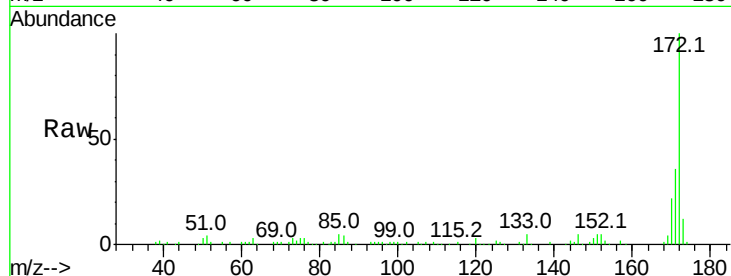




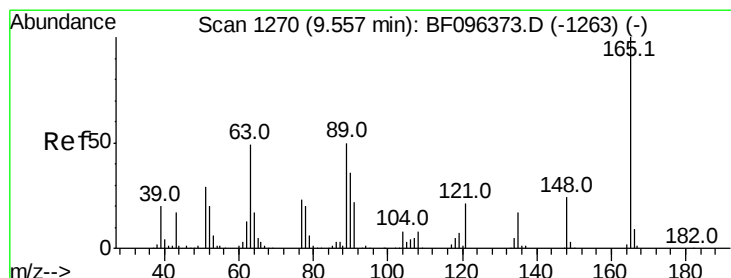
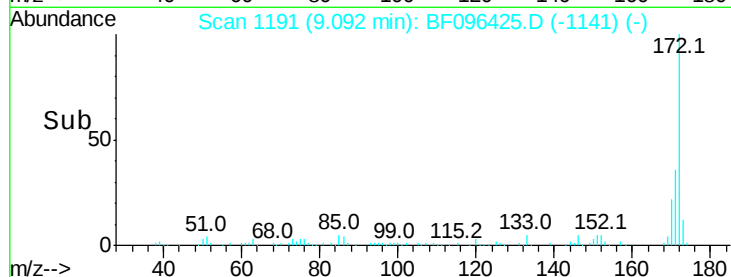
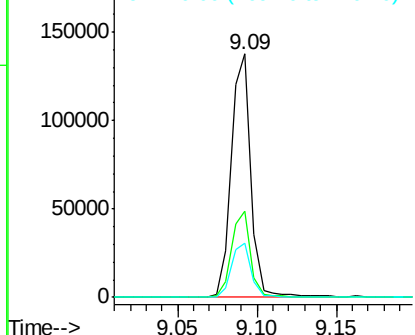
#44
 2-Fluorobiphenyl
 Concen: 11.67 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096425.D
 Acq: 2 Jul 2017 19:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 118759
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 22.1 19.8 29.8

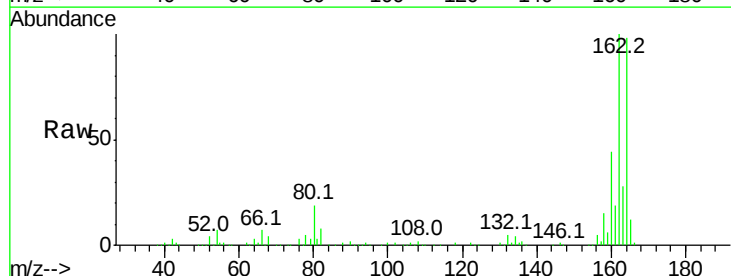


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

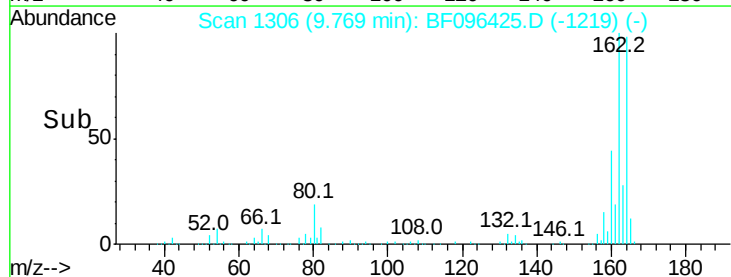
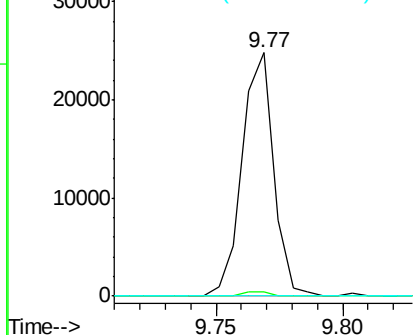


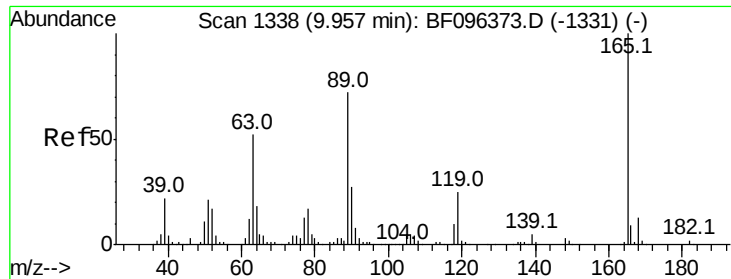
#50
 2,6-Dinitrotoluene
 Concen: 7.48 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.21 min
 Lab File: BF096425.D
 Acq: 2 Jul 2017 19:27

Tgt Ion:165 Resp: 21479
 Ion Ratio Lower Upper
 165 100
 63 1.9 34.3 51.5#
 89 0.0 37.1 55.7#



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

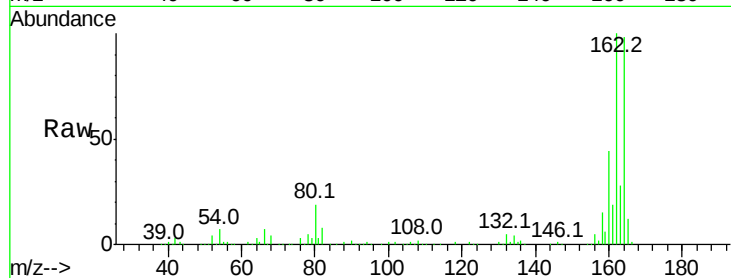




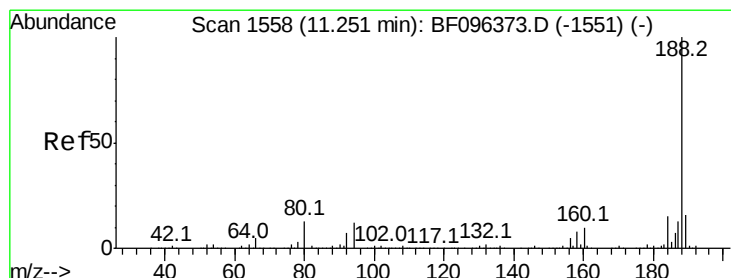
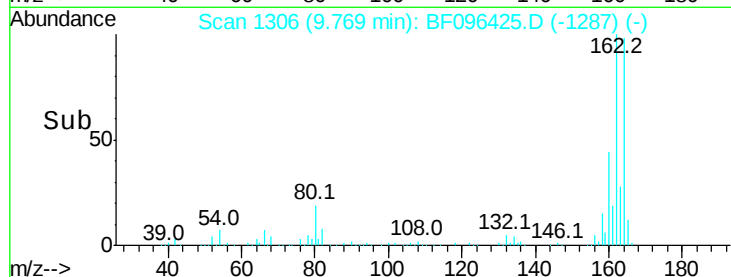
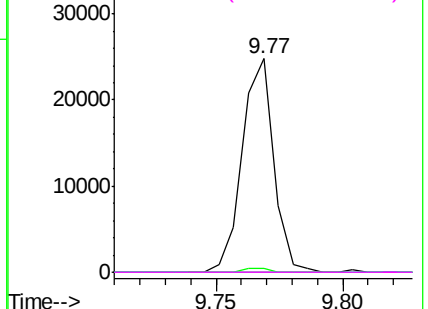
#56
 2,4-Dinitrotoluene
 Concen: 5.91 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.19 min
 Lab File: BF096425.D
 Acq: 2 Jul 2017 19:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 21479
 Ion Ratio Lower Upper
 165 100
 63 1.9 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#

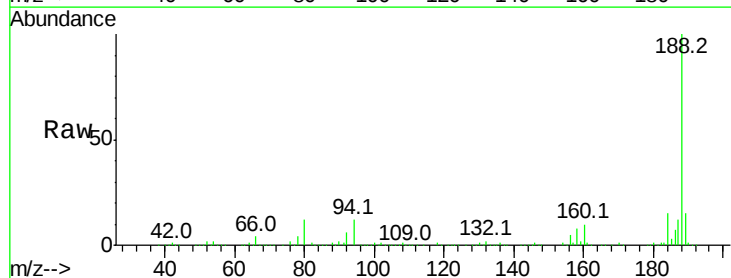


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

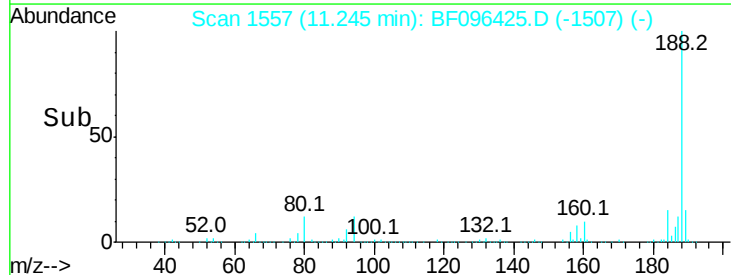
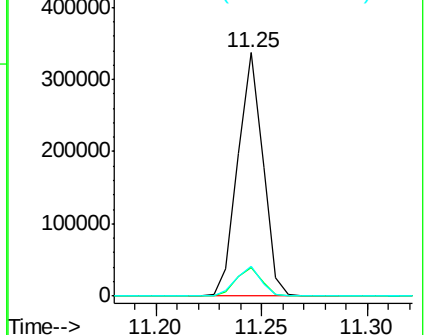


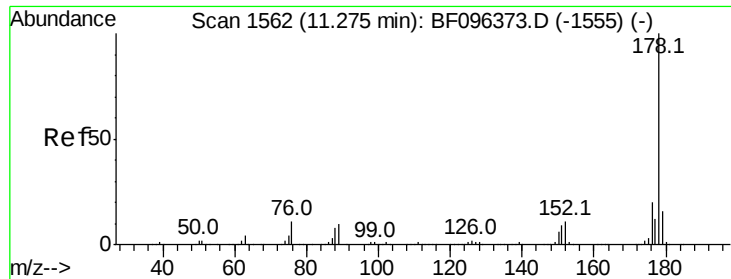
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF096425.D
 Acq: 2 Jul 2017 19:27

Tgt Ion:188 Resp: 276873
 Ion Ratio Lower Upper
 188 100
 94 12.0 9.4 14.2
 80 12.3 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

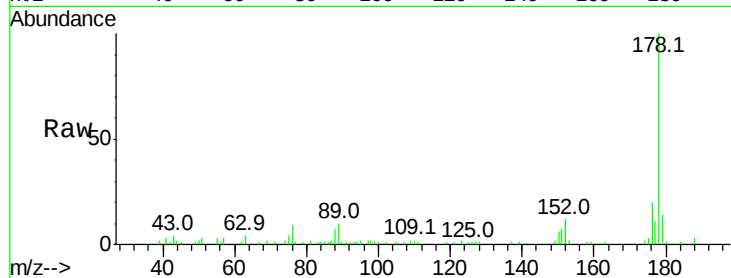




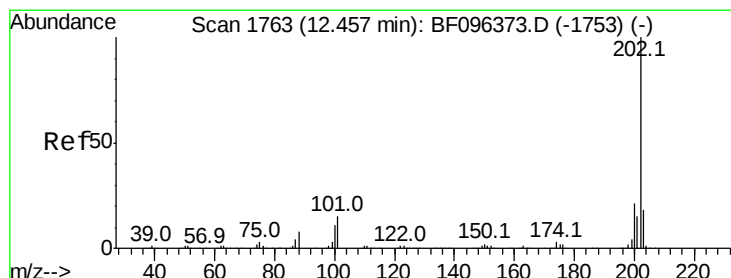
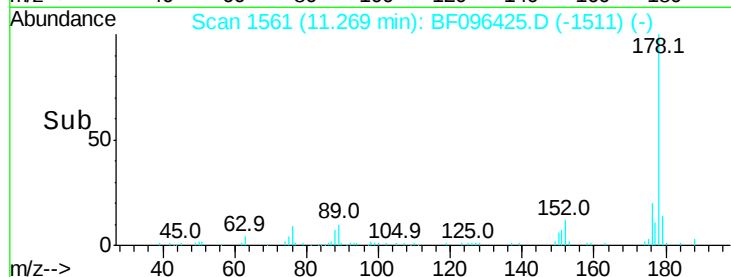
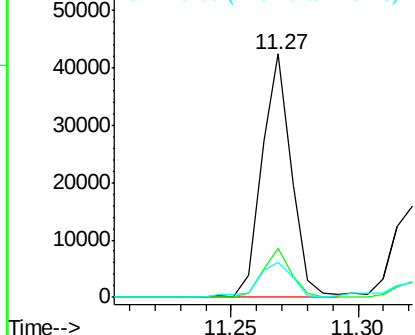
#70
Phenanthrene
Concen: 2.31 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096425.D
Acq: 2 Jul 2017 19:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 34553
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.4
179 14.4 12.6 19.0

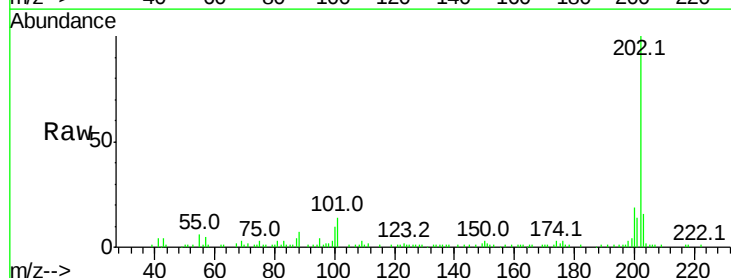


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

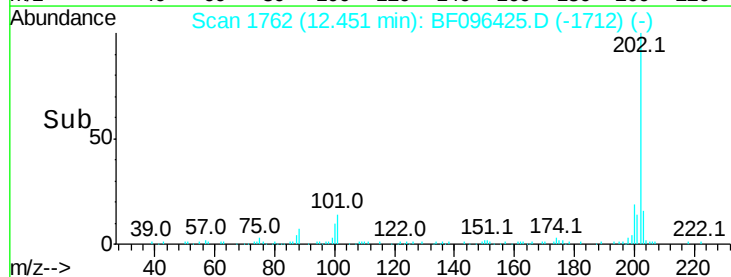
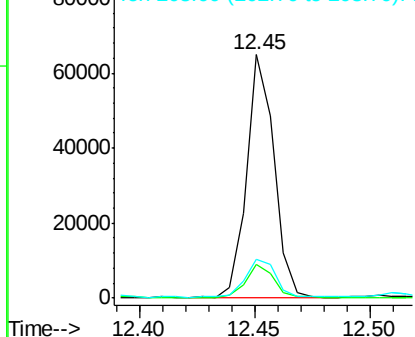


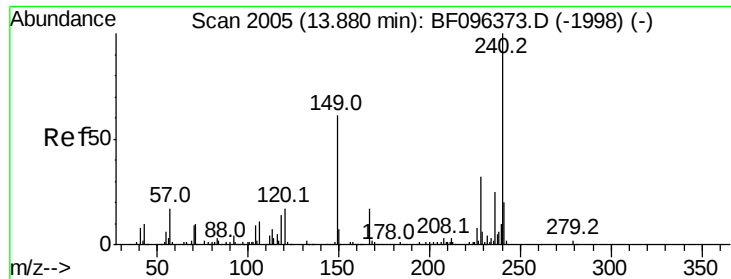
#74
Fluoranthene
Concen: 3.68 ng
RT: 12.45 min Scan# 1762
Delta R.T. -0.01 min
Lab File: BF096425.D
Acq: 2 Jul 2017 19:27

Tgt Ion:202 Resp: 54061
Ion Ratio Lower Upper
202 100
101 13.7 0.0 33.2
203 15.7 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: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF096425.D

Acq: 2 Jul 2017 19:27

Instrument :

BNA_F

ClientSampleId :

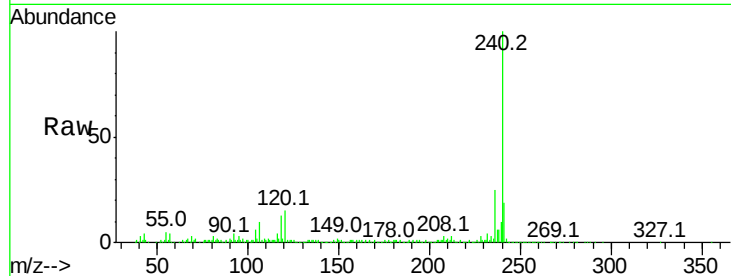
Tot Ion:240 Resp: 205869

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

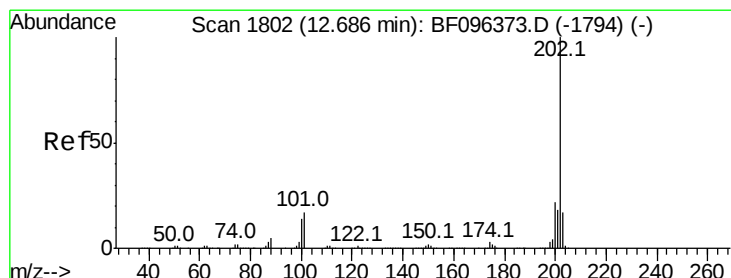
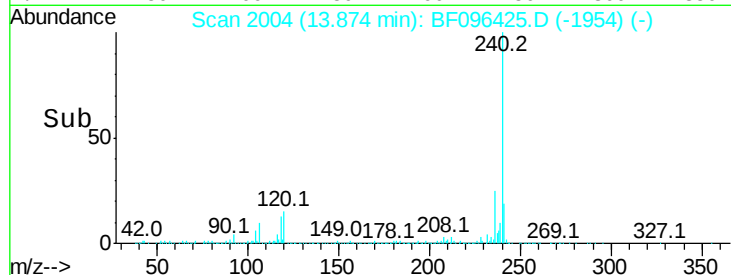
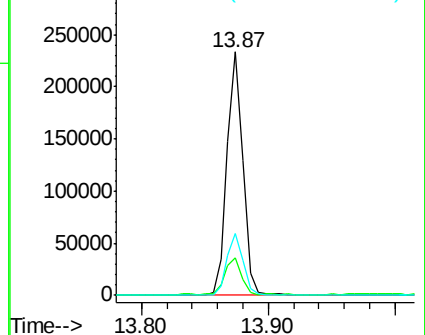
236 25.2 20.5 30.7



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

Pyrene

Concen: 3.22 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF096425.D

Acq: 2 Jul 2017 19:27

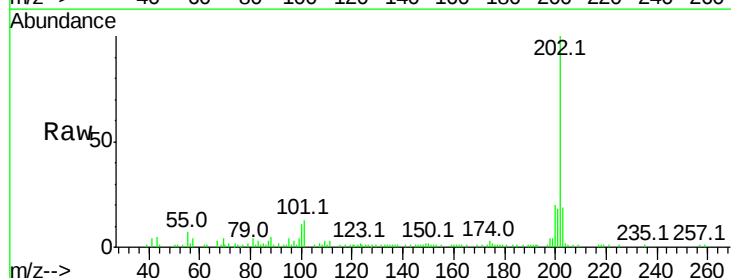
Tgt Ion:202 Resp: 53232

Ion Ratio Lower Upper

202 100

200 19.5 17.6 26.4

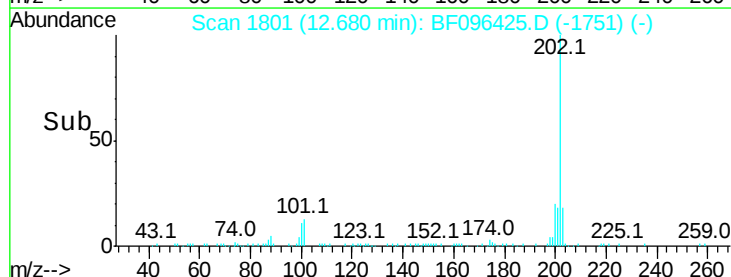
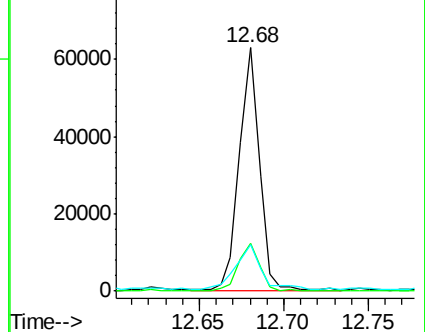
203 19.2 14.4 21.6

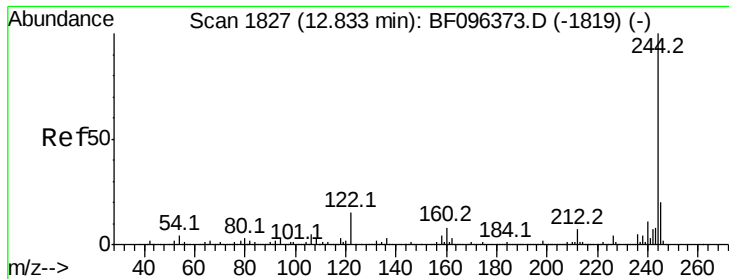


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

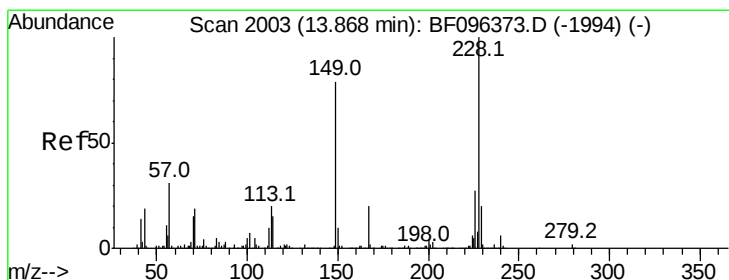
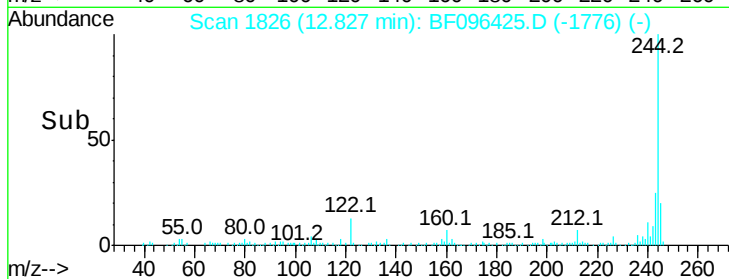
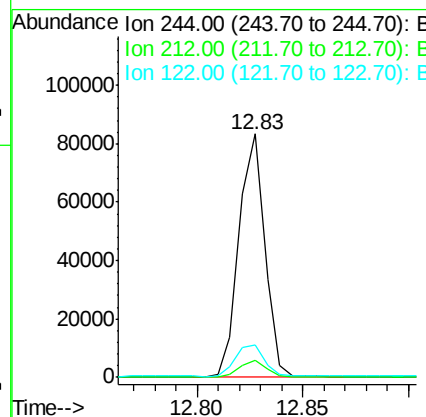
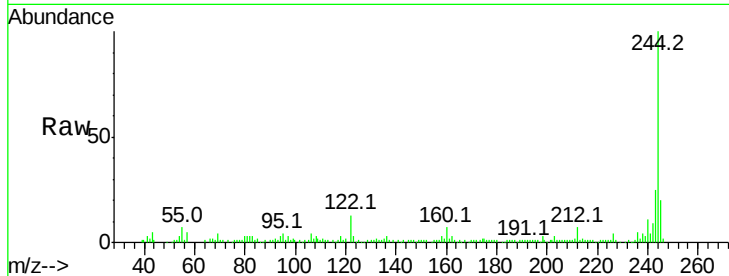




#78
 Terphenyl-d14
 Concen: 7.33 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF096425.D
 Acq: 2 Jul 2017 19:27

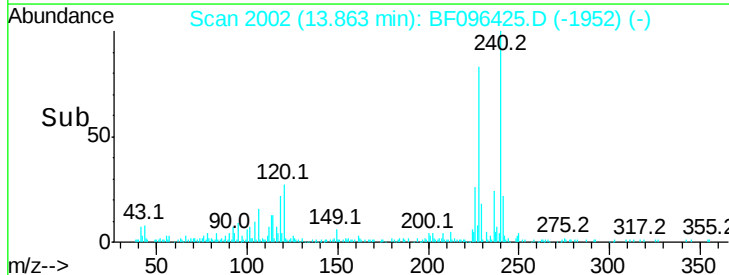
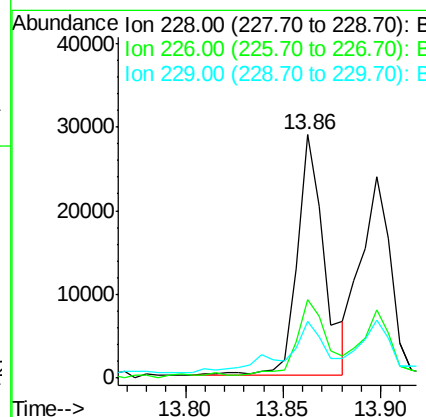
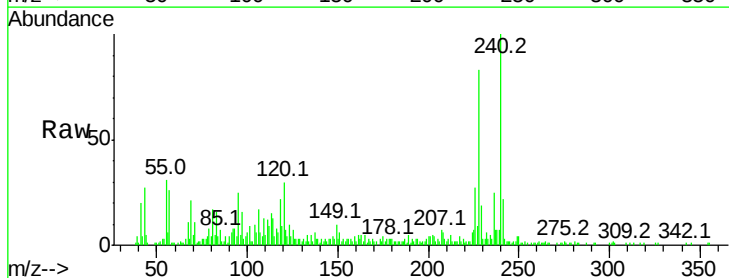
Instrument :
 BNA_F
 ClientSampleId :

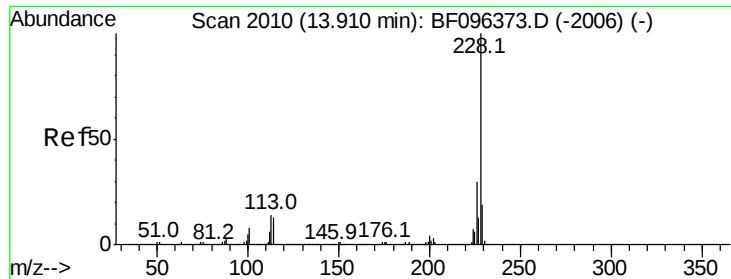
Tot Ion:244 Resp: 70652
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 13.1 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.31 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF096425.D
 Acq: 2 Jul 2017 19:27

Tgt Ion:228 Resp: 27587
 Ion Ratio Lower Upper
 228 100
 226 32.5 22.6 33.8
 229 23.1 16.3 24.5





#82

Chrysene

Concen: 2.21 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.05 min

Lab File: BF096425.D

Acq: 2 Jul 2017 19:27

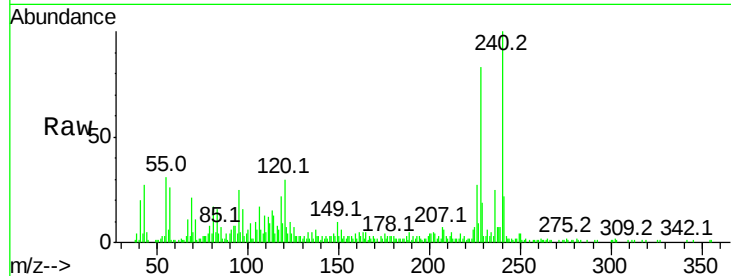
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 27587

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.9	37.3
229	23.1	15.8	23.6

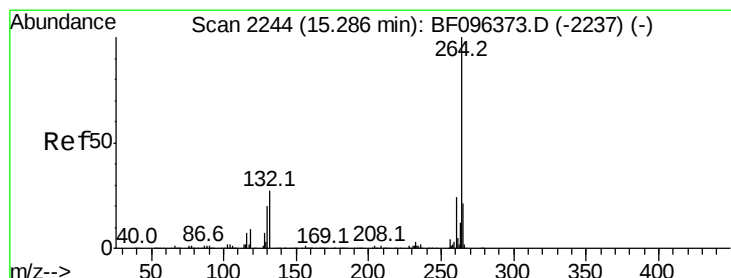
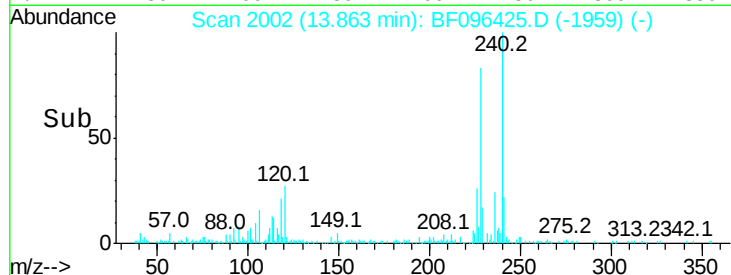
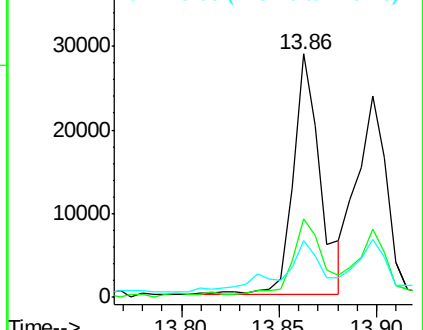


Abundance

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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.29 min Scan# 2244

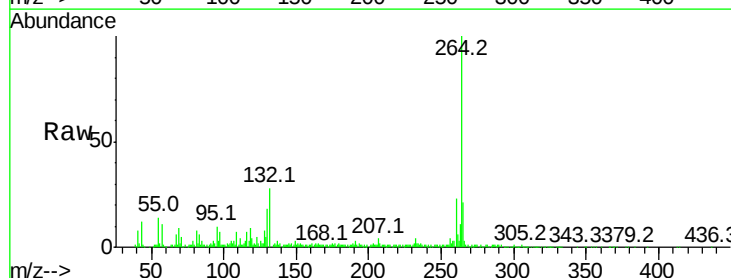
Delta R.T. -0.00 min

Lab File: BF096425.D

Acq: 2 Jul 2017 19:27

Tgt Ion:264 Resp: 144495

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.1	17.2	25.8

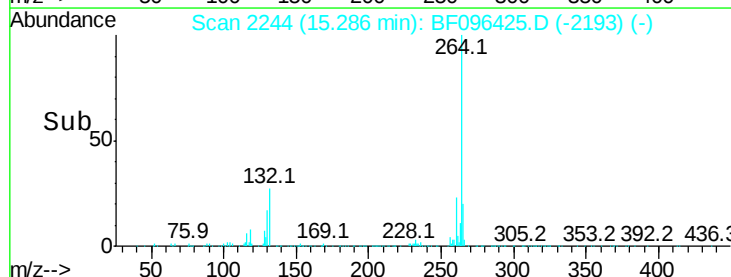
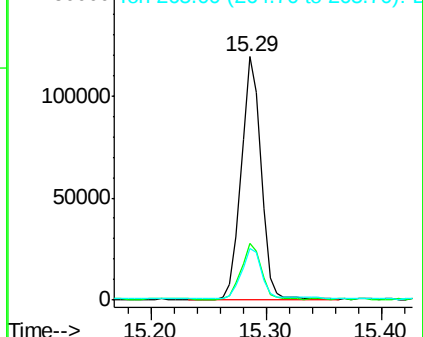


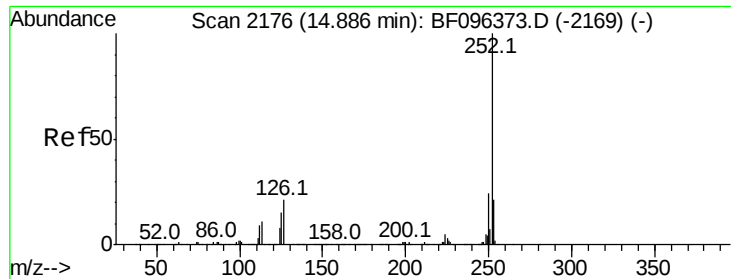
Abundance

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: 4.56 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BF096425.D

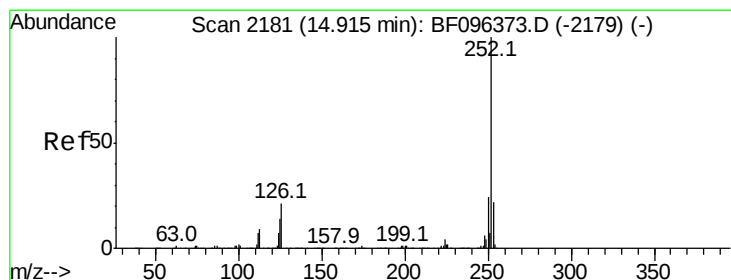
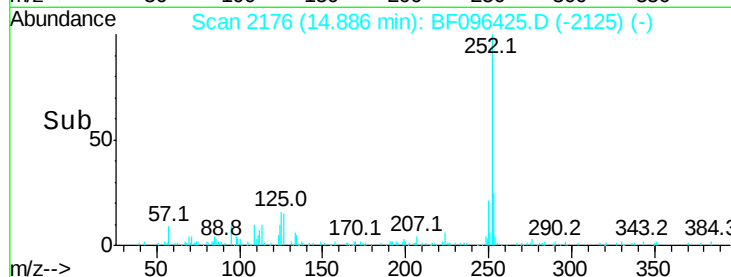
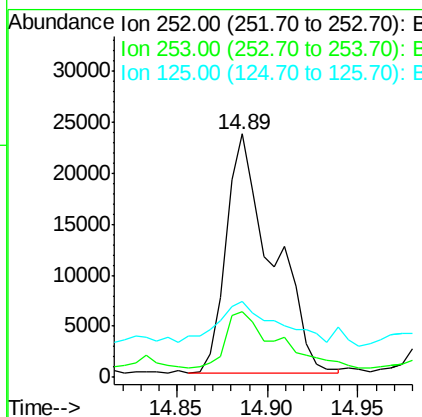
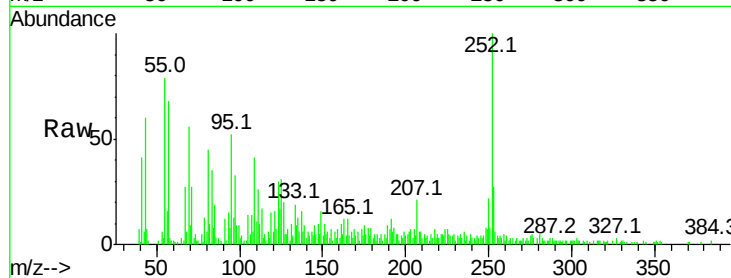
Acq: 2 Jul 2017 19:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	41307
Ion Ratio	Lower	Upper
252	100	
253	27.0	18.1 27.1
125	31.0	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 5.11 ng

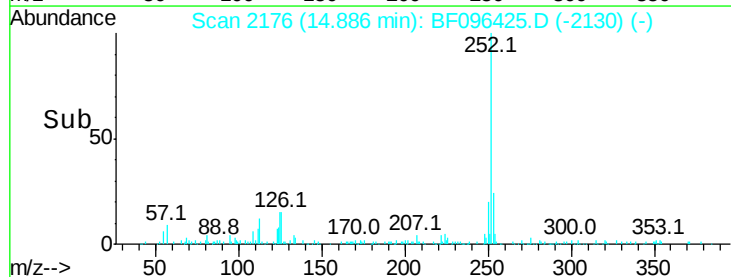
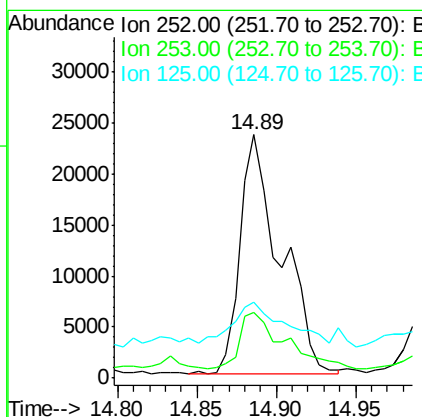
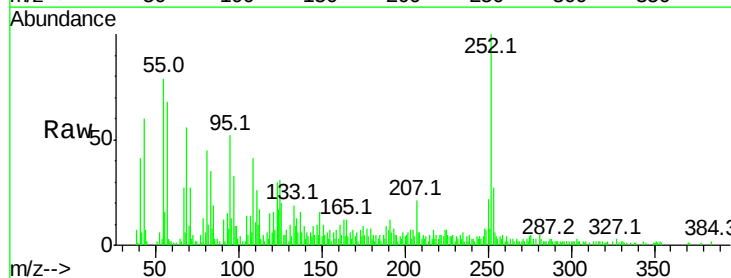
RT: 14.89 min Scan# 2176

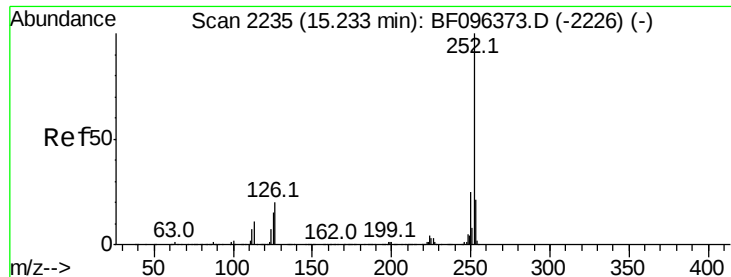
Delta R.T. -0.03 min

Lab File: BF096425.D

Acq: 2 Jul 2017 19:27

Tgt Ion:252	Resp:	41398
Ion Ratio	Lower	Upper
252	100	
253	27.0	18.4 27.6
125	31.0	13.1 19.7#

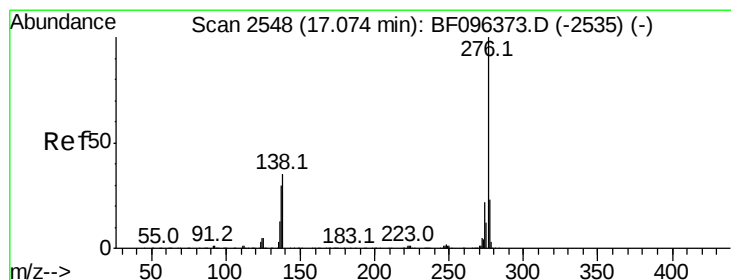
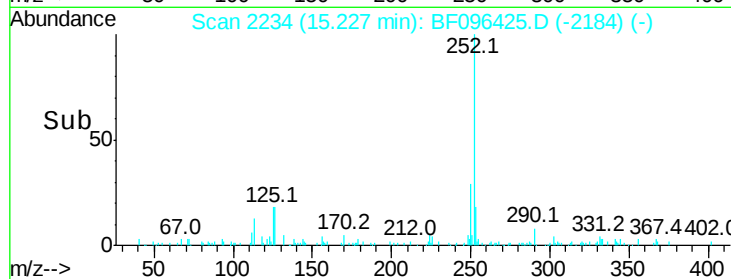
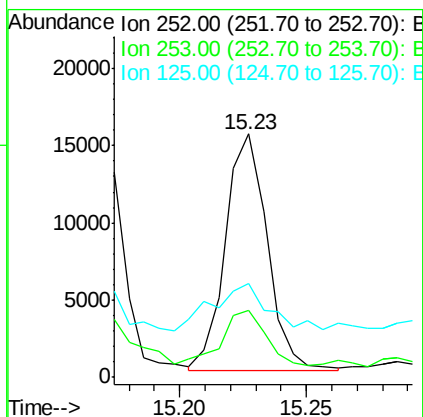
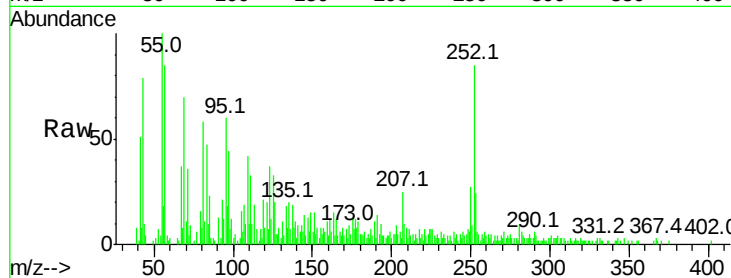




#89
Benzo(a)pyrene
Concen: 2.17 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF096425.D
Acq: 2 Jul 2017 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 17514
Ion Ratio Lower Upper
252 100
253 27.6 17.5 26.3#
125 38.7 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.12 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.01 min
Lab File: BF096425.D
Acq: 2 Jul 2017 19:27

Tgt Ion:276 Resp: 13959
Ion Ratio Lower Upper
276 100
277 29.6 18.6 28.0#
138 43.3 25.4 38.0#

