

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061518\
 Data File : BF106504.D
 Acq On : 15 Jun 2018 20:46
 Operator : JU/SJ
 Sample : J3486-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-6

Quant Time: Jun 15 22:59:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 15 11:11:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	111935	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	388211	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	151373	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	285468	20.00	ng	0.00
75) Chrysene-d12	14.15	240	320558	20.00	ng	0.00
86) Perylene-d12	15.69	264	233241	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	318505	48.16	ng	0.00
7) Phenol-d6	6.61	99	391697	46.88	ng	0.00
23) Nitrobenzene-d5	7.52	82	236787	35.88	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	66460	45.63	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	407748	38.50	ng	0.00
78) Terphenyl-d14	13.08	244	444557	34.45	ng	0.00

Target Compounds

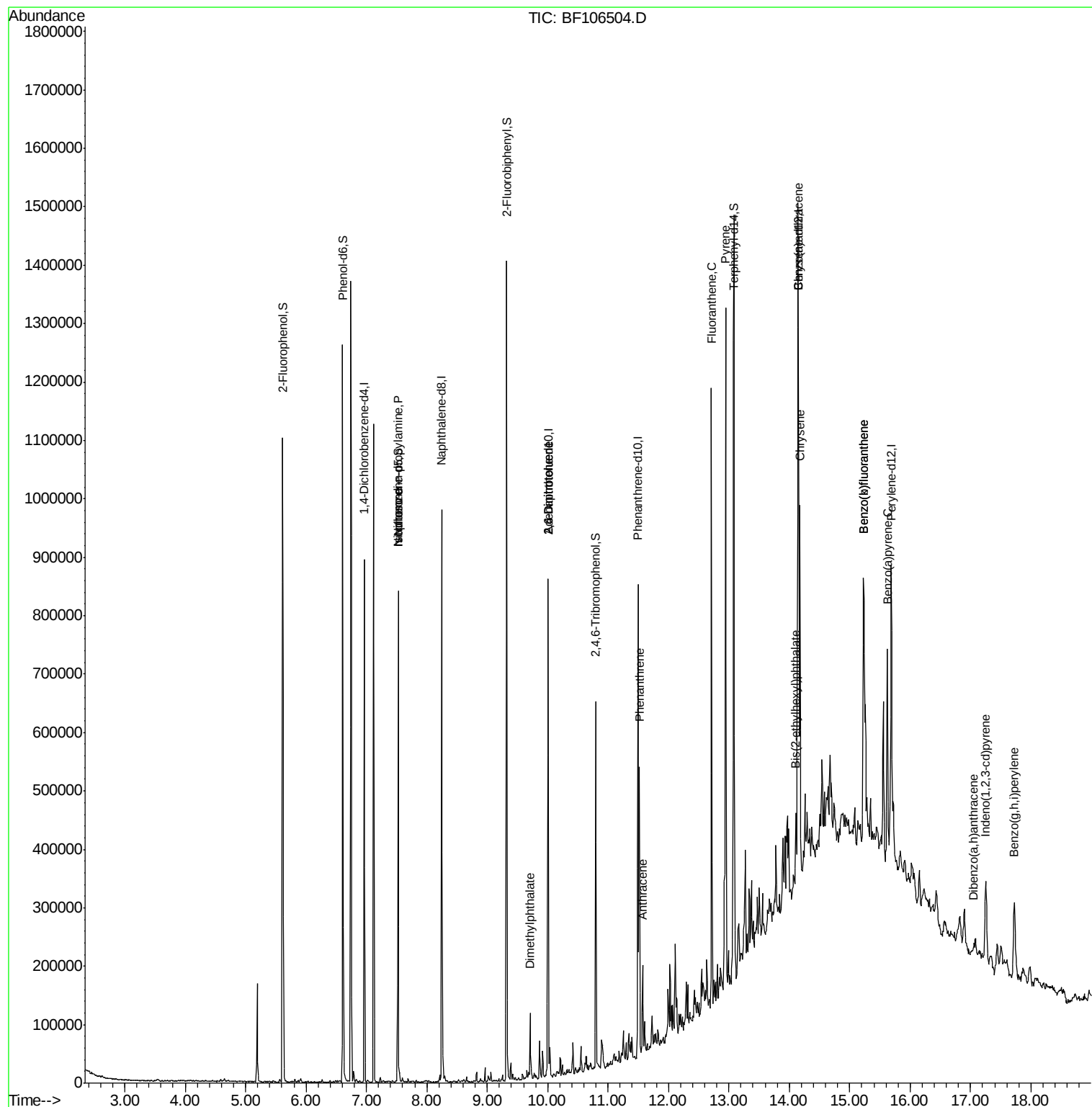
						Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	31679	5.054	ng	# 73
25) Isophorone	7.52	82	236780	18.370	ng	# 64
49) Dimethylphthalate	9.71	163	38207	3.533	ng	100
50) 2,6-Dinitrotoluene	10.01	165	20232	9.159	ng	# 25
56) 2,4-Dinitrotoluene	10.01	165	20232	7.293	ng	# 23
70) Phenanthrene	11.52	178	183733	13.142	ng	99
71) Anthracene	11.57	178	52974	3.782	ng	98
74) Fluoranthene	12.72	202	440694	29.558	ng	96
77) Pyrene	12.95	202	439400	21.895	ng	99
80) Benzo(a)anthracene	14.14	228	269087	14.106	ng	96
82) Chrysene	14.18	228	264690	15.198	ng	98
83) Bis(2-ethylhexyl)phthalate	14.11	149	36782	3.415	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.25	276	101921	7.332	ng	# 91
87) Benzo(b)fluoranthene	15.23	252	373257	26.474	ng	97
88) Benzo(k)fluoranthene	15.23	252	373257	26.731	ng	97
89) Benzo(a)pyrene	15.62	252	185583	14.634	ng	97
90) Dibenzo(a,h)anthracene	17.05	278	22775	2.154	ng	96
91) Benzo(g,h,i)perylene	17.73	276	108281	10.539	ng	# 92

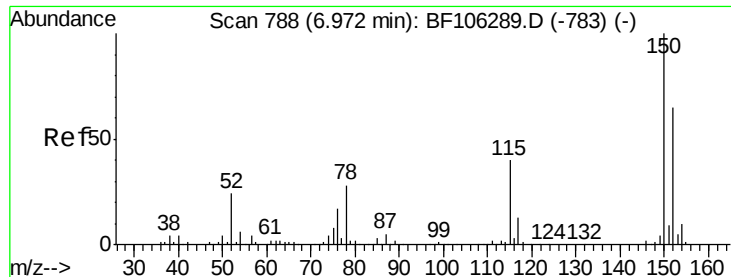
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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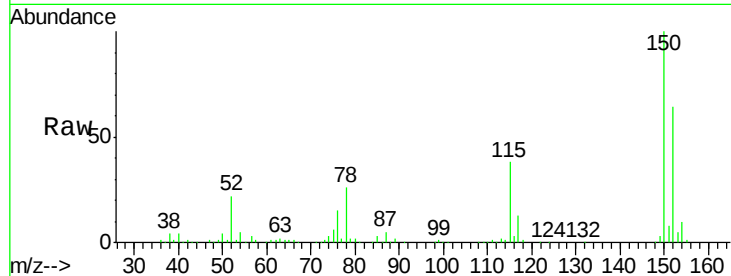


#1

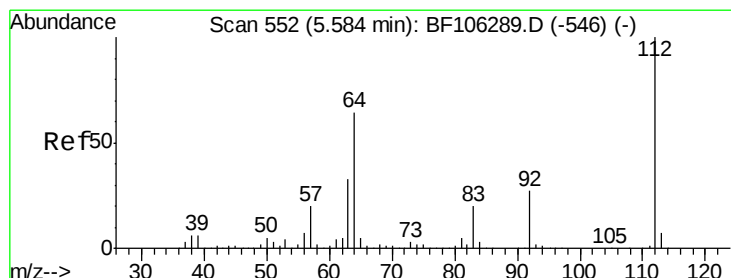
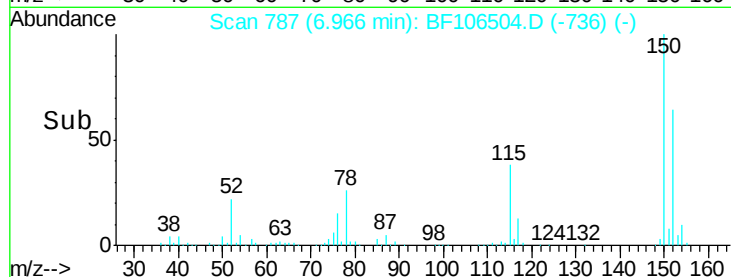
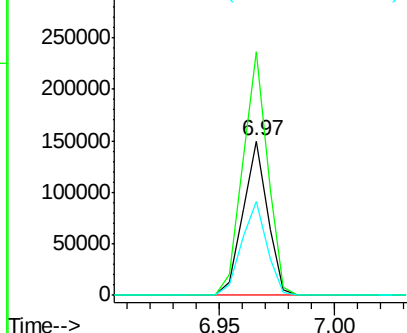
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-6

Tgt Ion:152 Resp: 111935
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 60.6 50.1 75.1



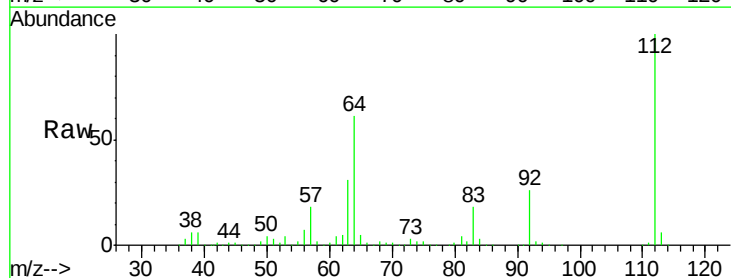
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



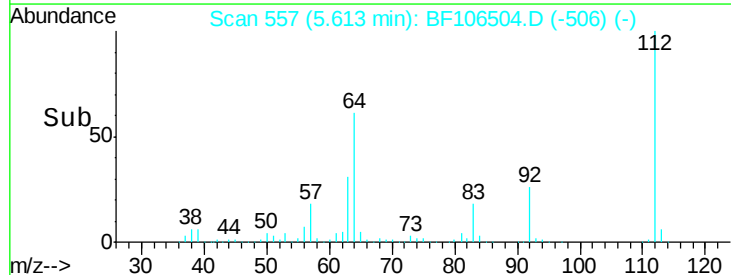
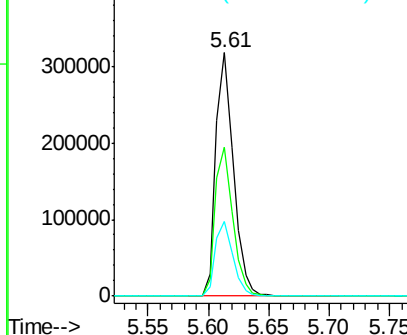
#5

2-Fluorophenol
Concen: 48.159 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

Tgt Ion:112 Resp: 318505
Ion Ratio Lower Upper
112 100
64 61.0 47.9 71.9
63 30.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 46.878 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106504.D

Acq: 15 Jun 2018 20:46

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-6

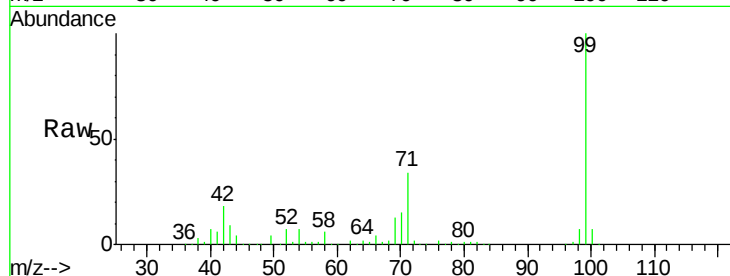
Tgt Ion: 99 Resp: 391697

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

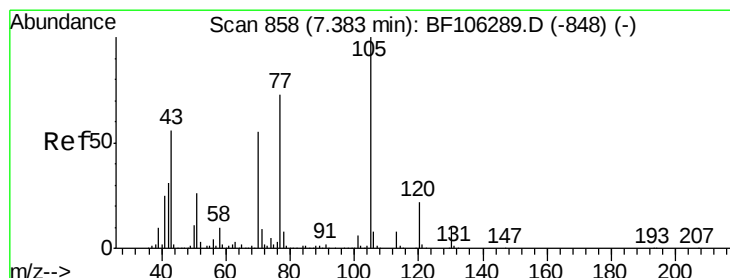
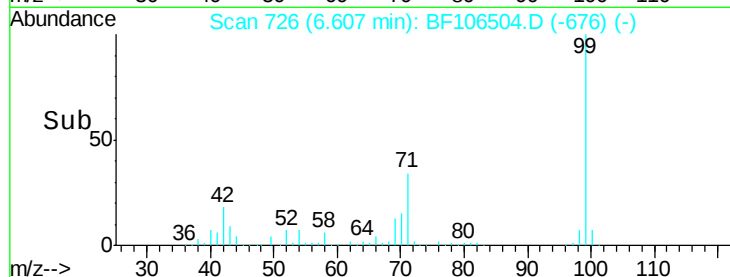
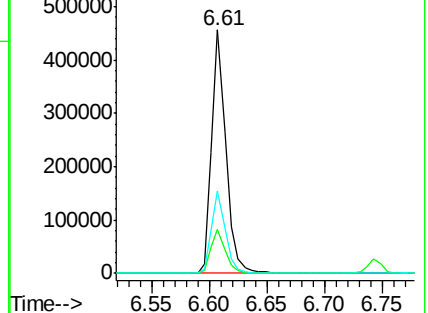
71 33.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 5.054 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106504.D

Acq: 15 Jun 2018 20:46

Tgt Ion: 70 Resp: 31679

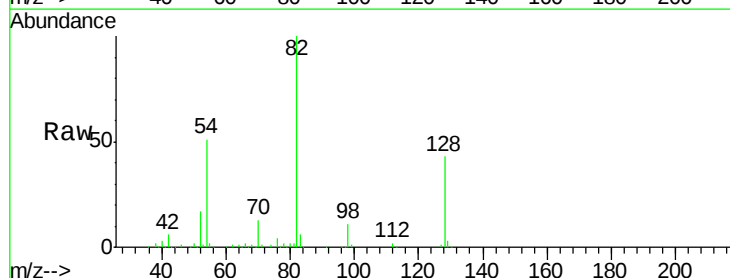
Ion Ratio Lower Upper

70 100

42 42.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

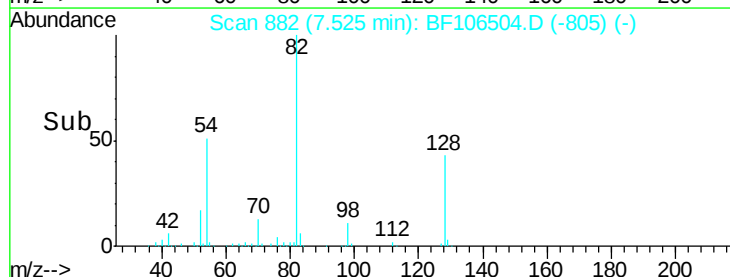
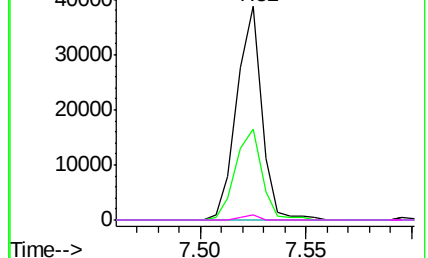


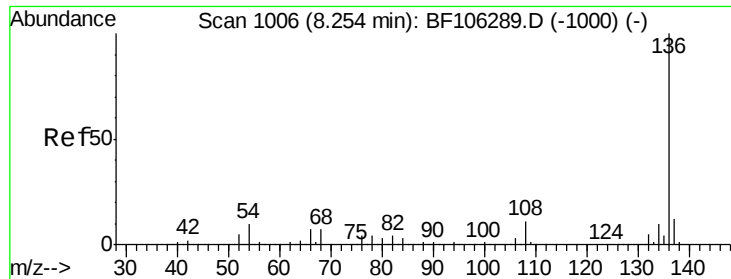
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

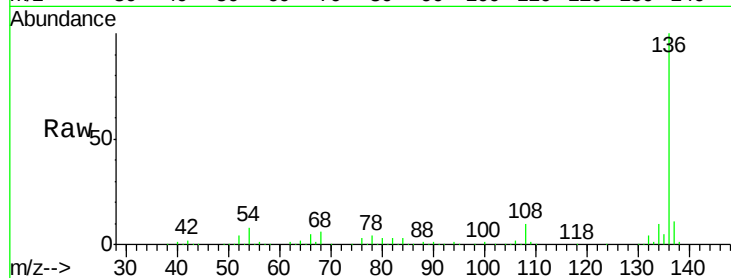




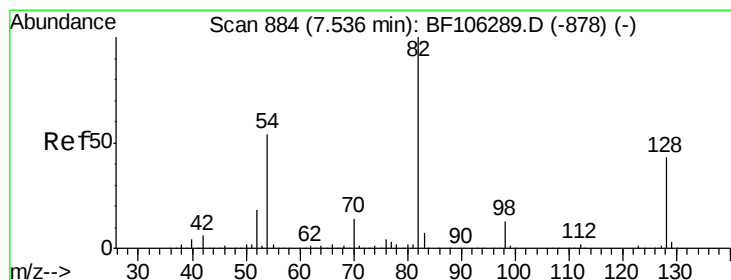
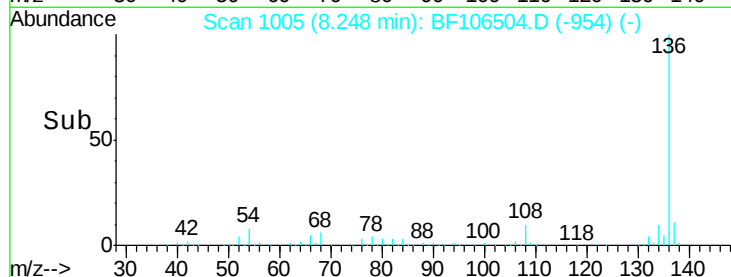
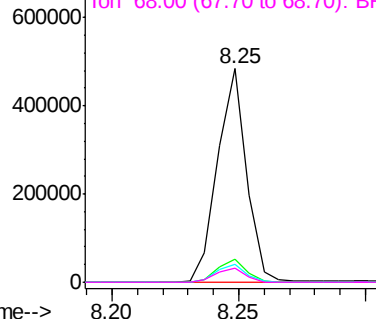
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	136	Resp:	388211
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.5	6.6	9.8
68	6.4	5.0	7.4

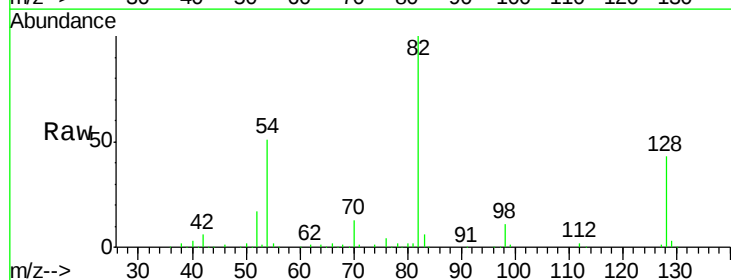


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

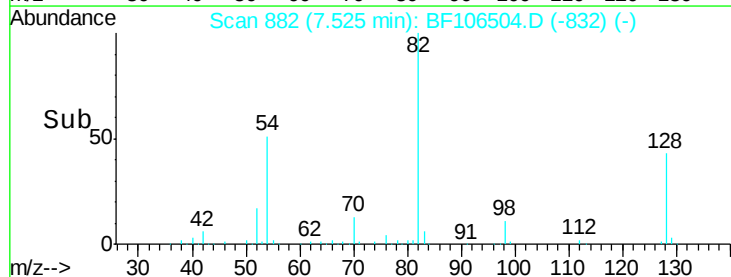
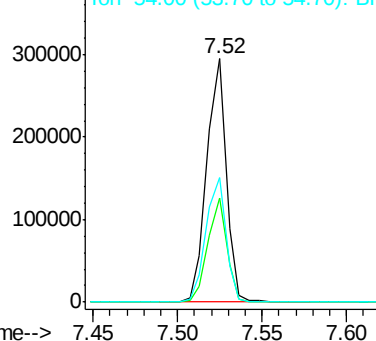


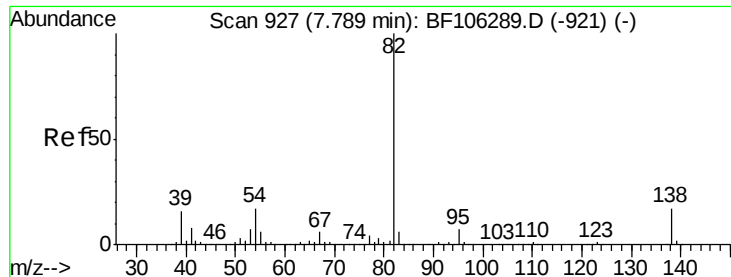
#23
Nitrobenzene-d5
Concen: 35.882 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

Tgt Ion:	82	Resp:	236787
Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.1	54.1
54	51.2	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.370 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106504.D

Acq: 15 Jun 2018 20:46

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-6

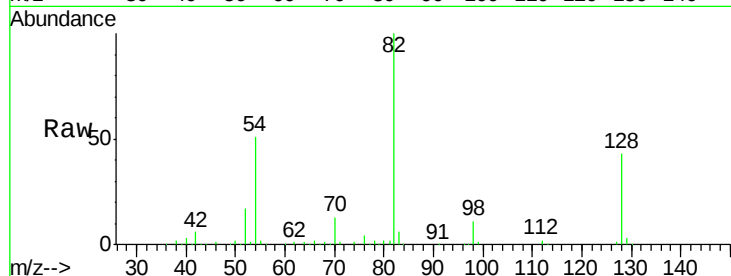
Tgt Ion: 82 Resp: 236780

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

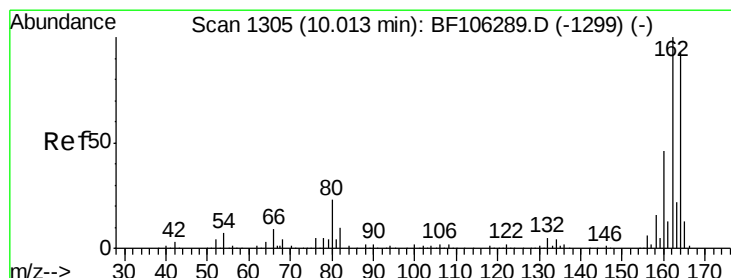
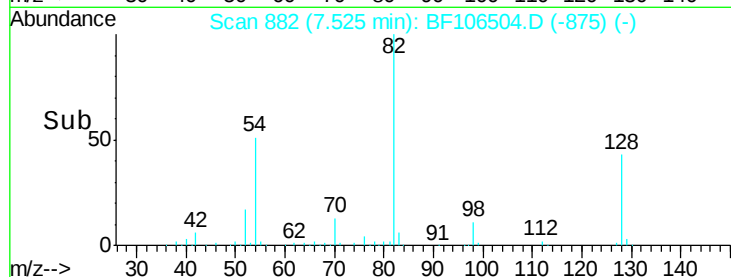
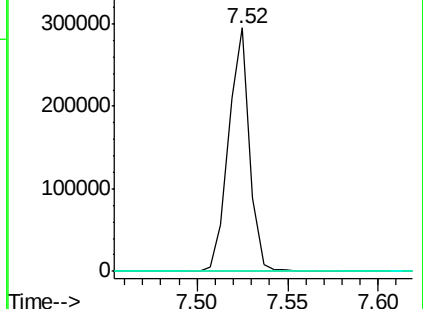
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF106504.D

Acq: 15 Jun 2018 20:46

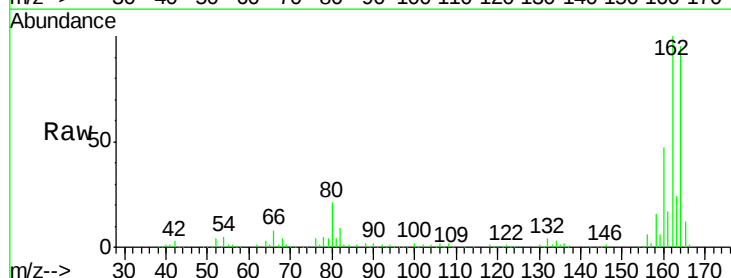
Tgt Ion: 164 Resp: 151373

Ion Ratio Lower Upper

164 100

162 105.3 86.1 129.1

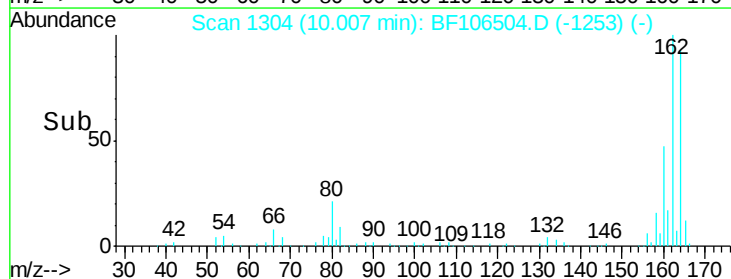
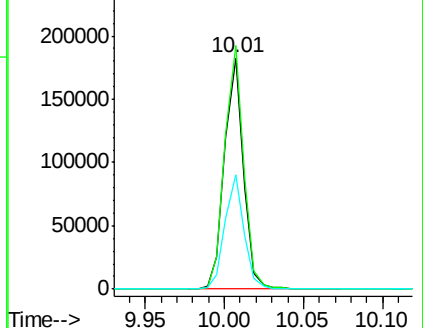
160 49.7 38.3 57.5

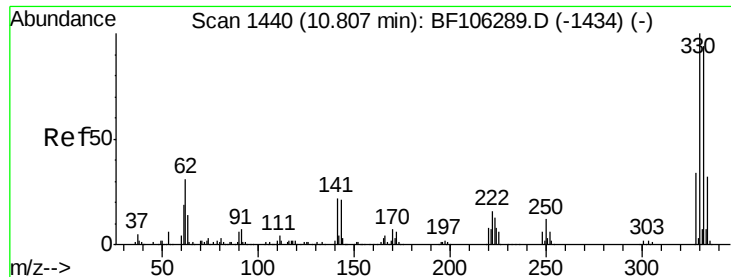


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

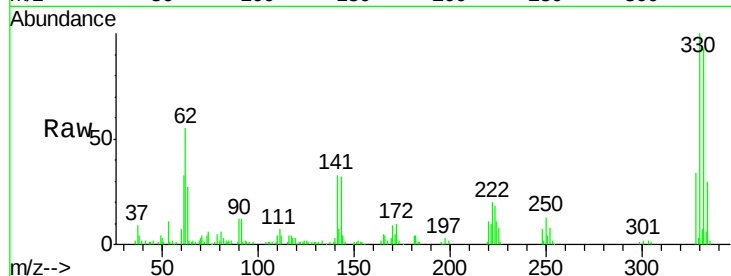




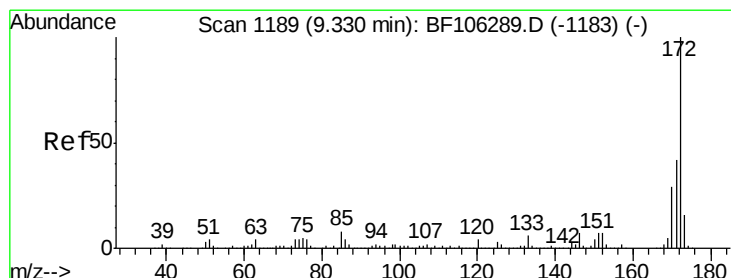
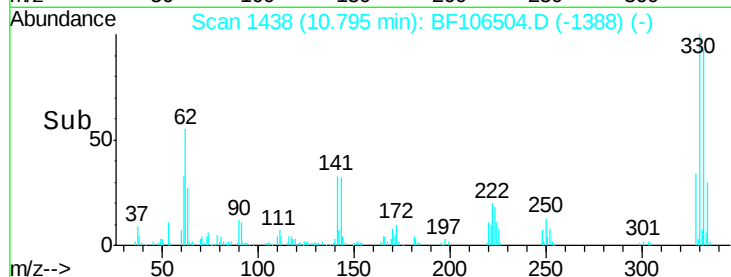
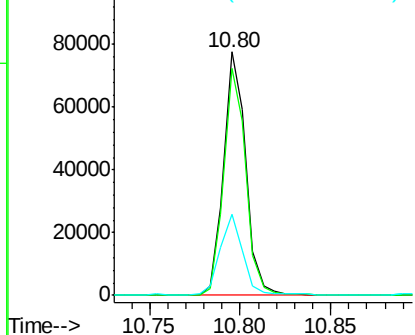
#41
 2,4,6-Tribromophenol
 Concen: 45.631 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106504.D
 Acq: 15 Jun 2018 20:46

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Tgt Ion:330 Resp: 66460
 Ion Ratio Lower Upper
 330 100
 332 92.3 77.0 115.6
 141 34.3 29.9 44.9

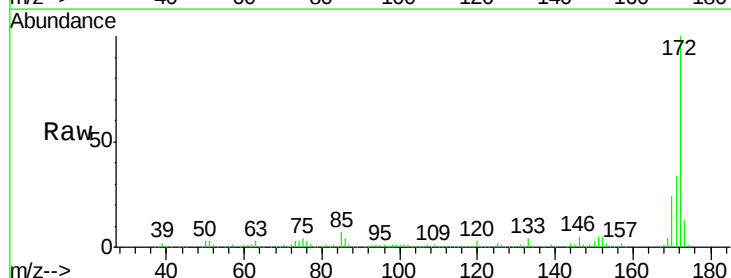


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

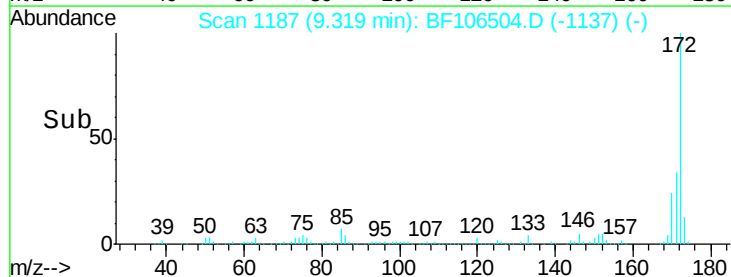
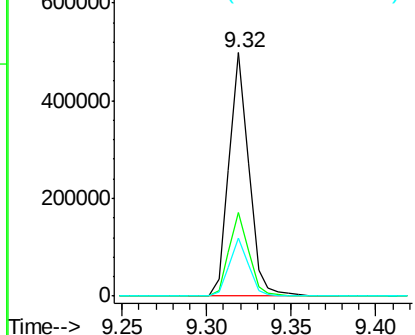


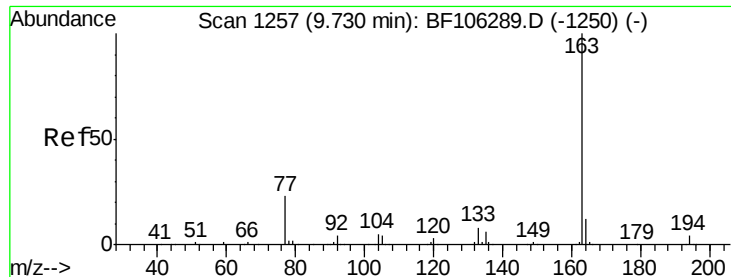
#44
 2-Fluorobiphenyl
 Concen: 38.497 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106504.D
 Acq: 15 Jun 2018 20:46

Tgt Ion:172 Resp: 407748
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.7 44.5
 170 23.7 19.6 29.4



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

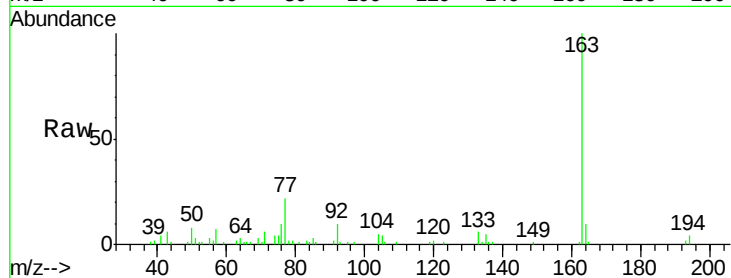




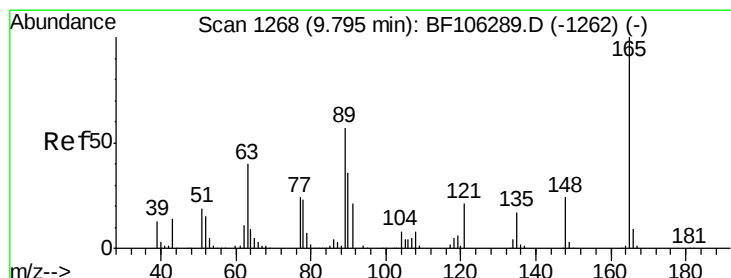
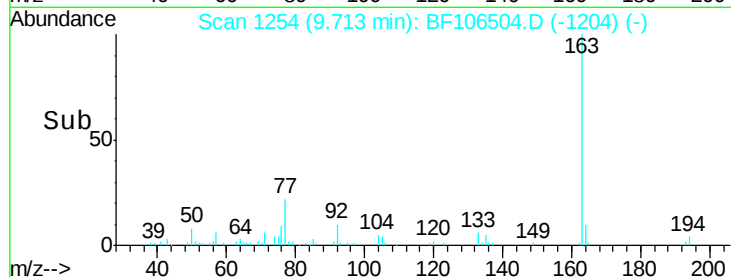
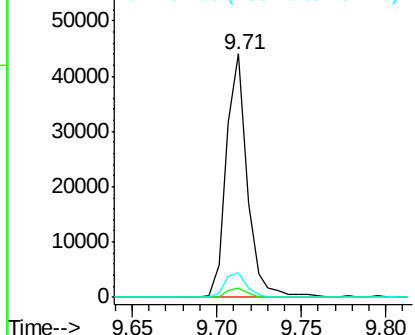
#49
Dimethylphthalate
Concen: 3.533 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

Instrument :
BNA_F
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Tgt Ion:163 Resp: 38207
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.3 8.2 12.2

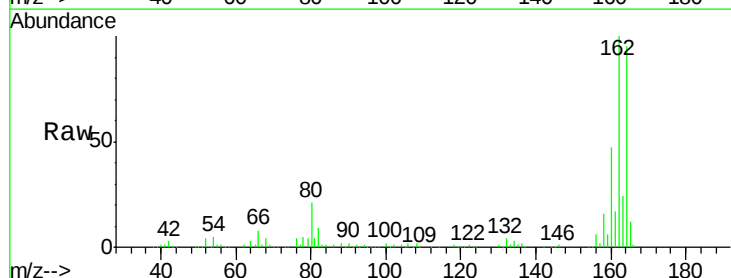


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

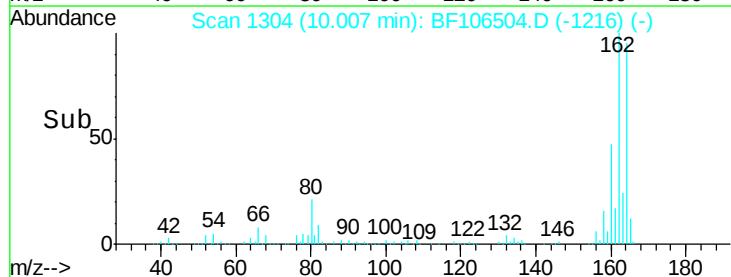
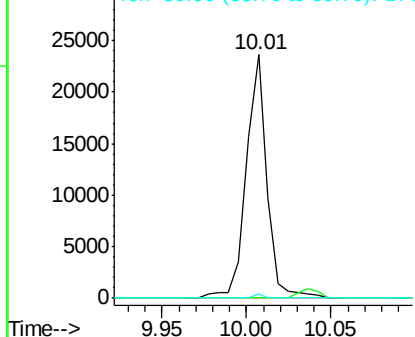


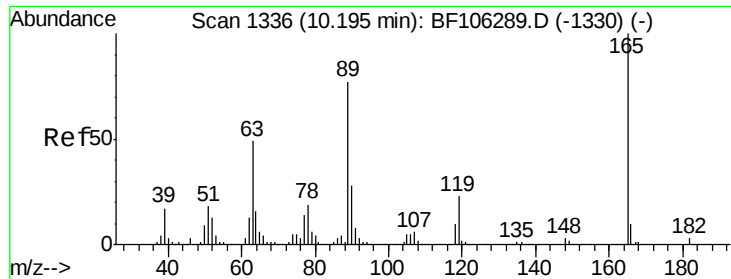
#50
2,6-Dinitrotoluene
Concen: 9.159 ng
RT: 10.01 min Scan# 1304
Delta R.T. 0.22 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

Tgt Ion:165 Resp: 20232
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.9 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

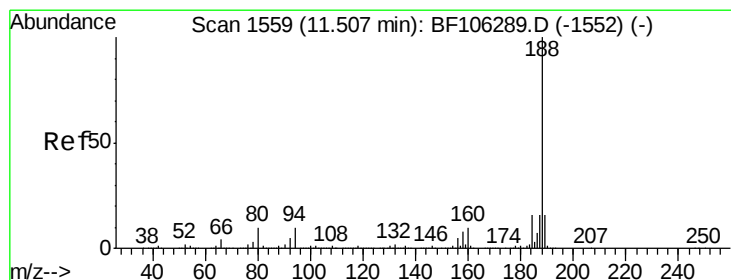
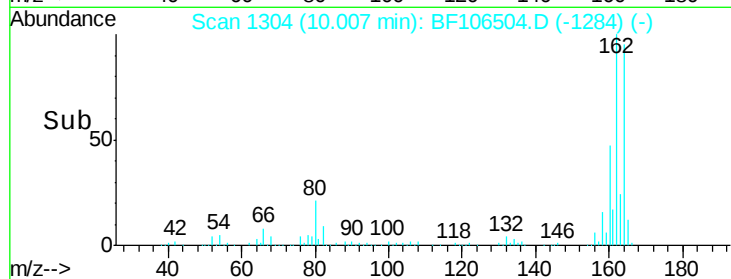
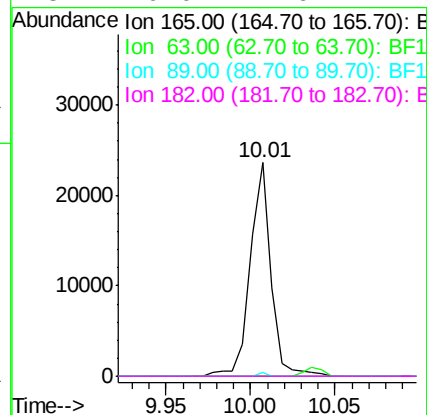
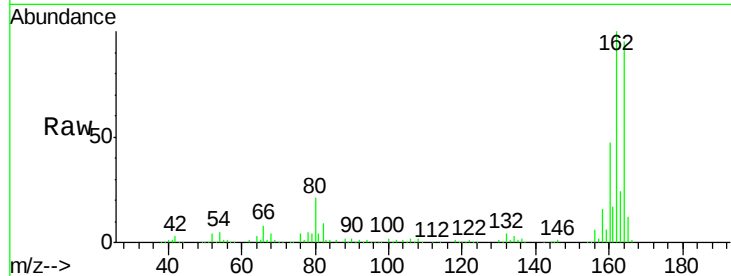




#56
 2,4-Dinitrotoluene
 Concen: 7.293 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.18 min
 Lab File: BF106504.D
 Acq: 15 Jun 2018 20:46

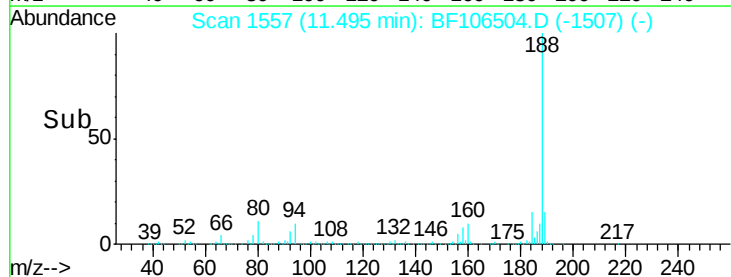
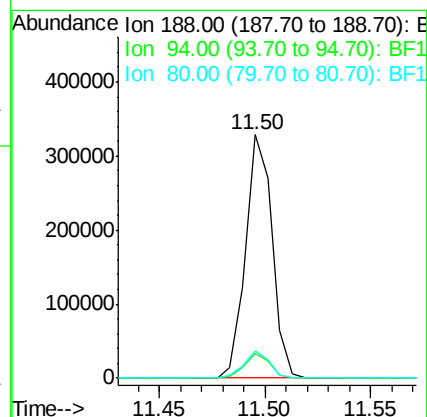
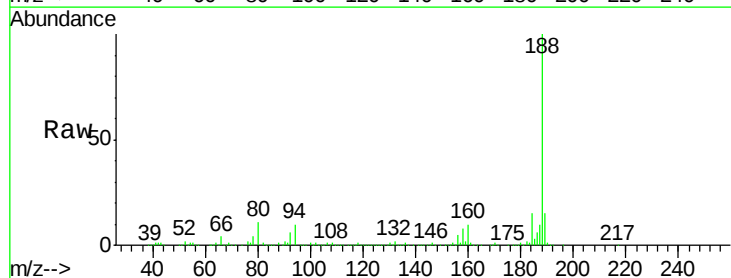
Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-6

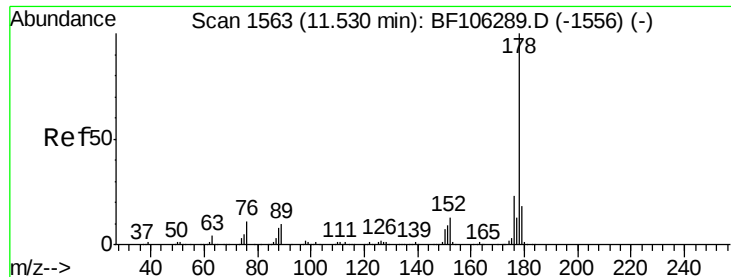
Tgt Ion:	165	Resp:	20232
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106504.D
 Acq: 15 Jun 2018 20:46

Tgt Ion:	188	Resp:	285468
Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.4	9.2	13.8





#70

Phenanthrene

Concen: 13.142 ng

RT: 11.52 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF106504.D

Acq: 15 Jun 2018 20:46

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-6

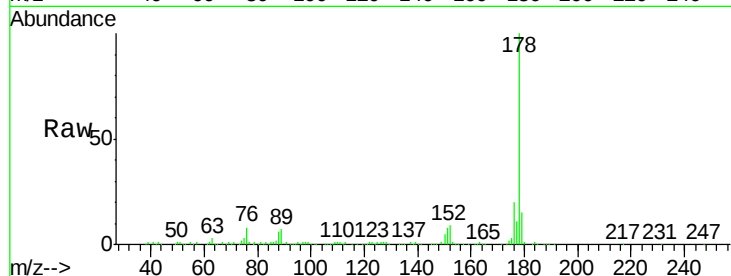
Tgt Ion:178 Resp: 183733

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

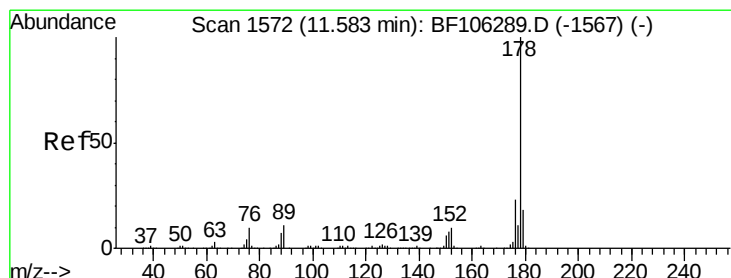
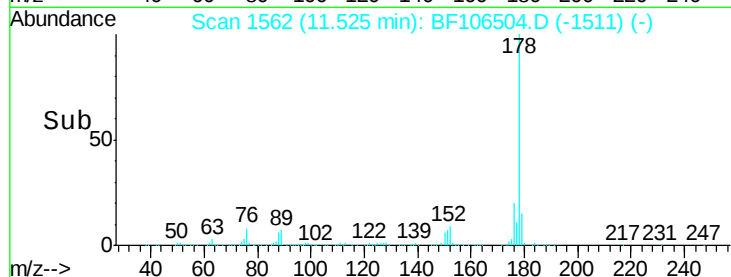
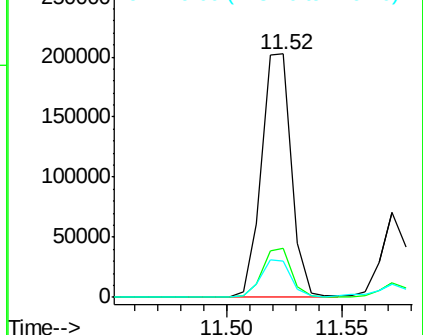
179 15.0 13.0 19.6



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: 3.782 ng

RT: 11.57 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF106504.D

Acq: 15 Jun 2018 20:46

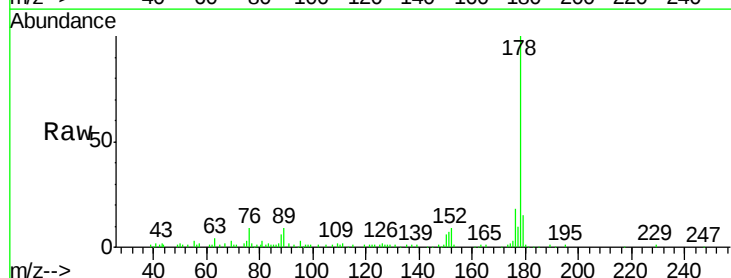
Tgt Ion:178 Resp: 52974

Ion Ratio Lower Upper

178 100

176 17.5 15.4 23.2

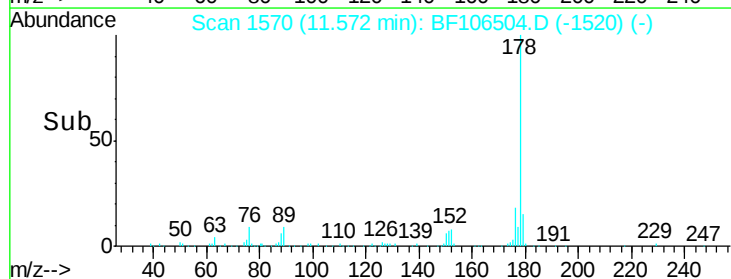
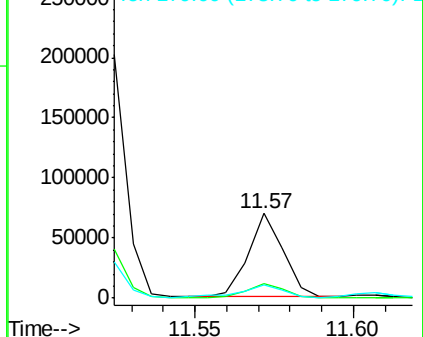
179 15.5 12.6 19.0

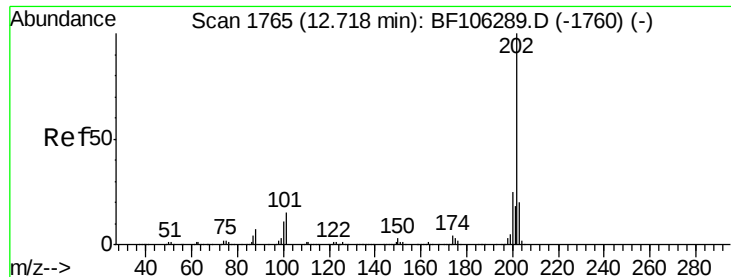


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

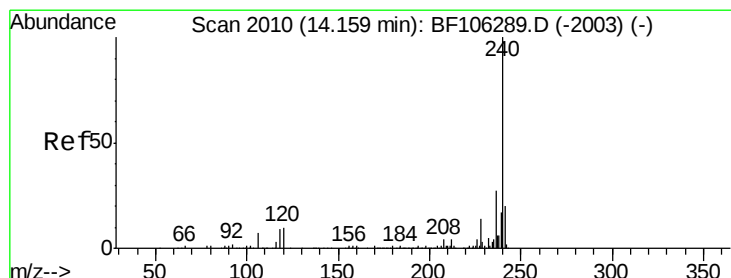
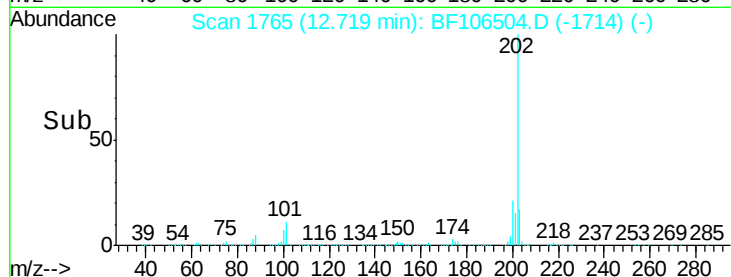
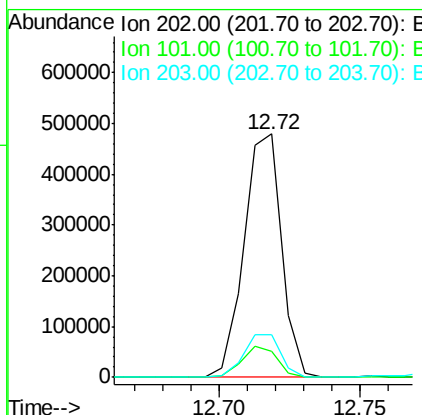
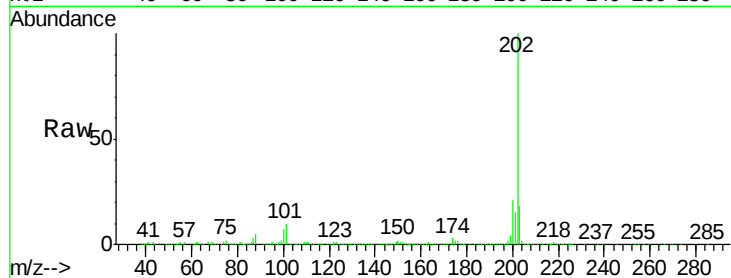




#74
Fluoranthene
Concen: 29.558 ng
RT: 12.72 min Scan# 1765
Delta R.T. 0.00 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

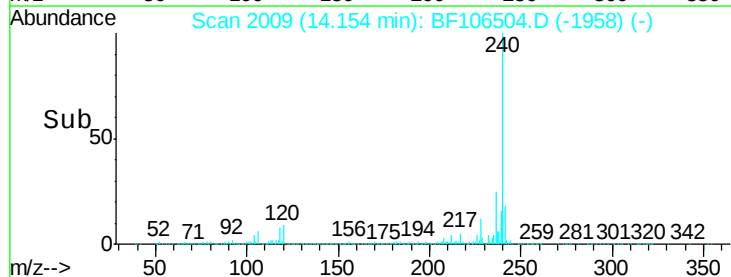
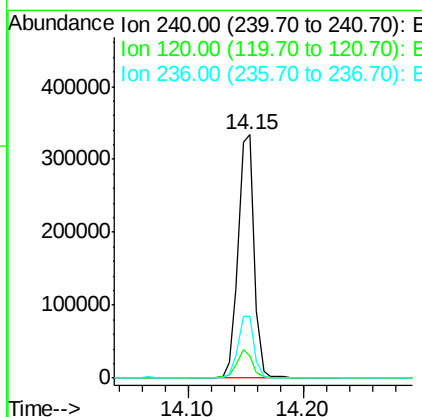
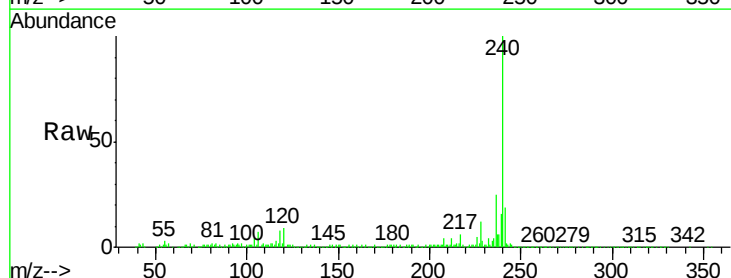
Instrument :
BNA_F
ClientSampleId :
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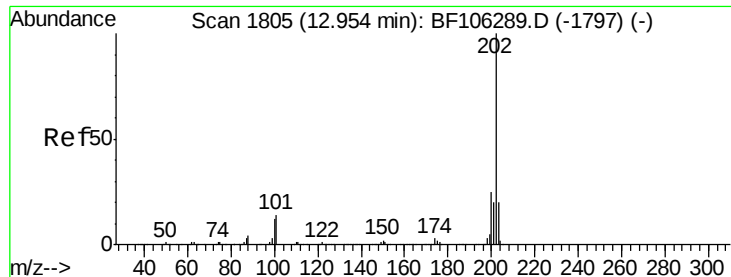
Tgt Ion:202 Resp: 440694
Ion Ratio Lower Upper
202 100
101 10.5 0.0 34.1
203 17.6 0.0 38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

Tgt Ion:240 Resp: 320558
Ion Ratio Lower Upper
240 100
120 9.0 9.5 14.3#
236 25.3 20.7 31.1

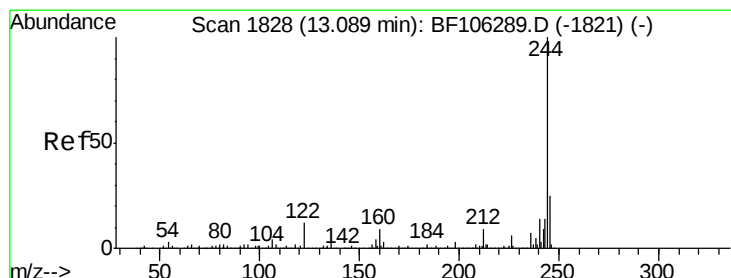
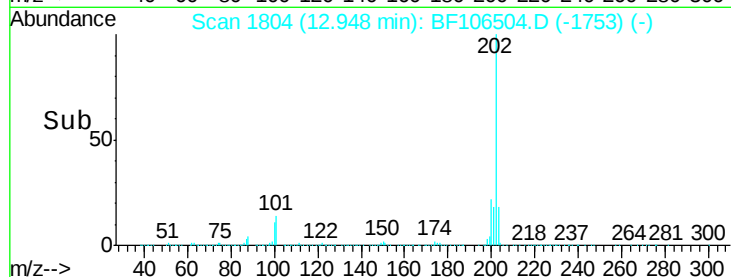
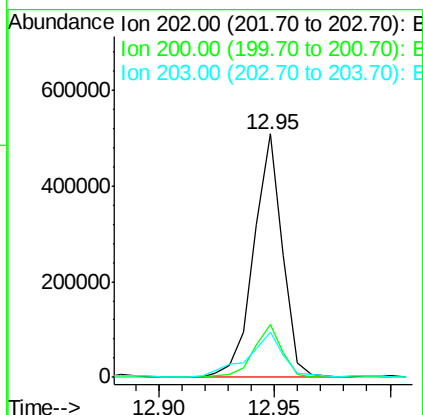
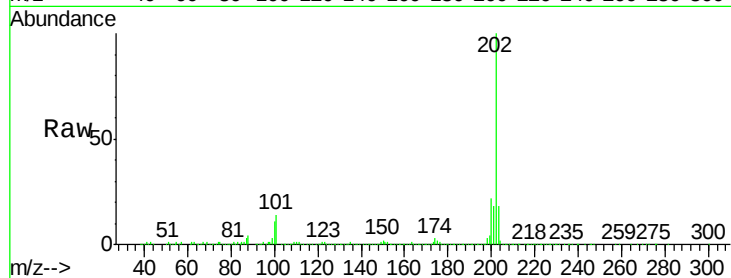




#77
 Pyrene
 Concen: 21.895 ng
 RT: 12.95 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: BF106504.D
 Acq: 15 Jun 2018 20:46

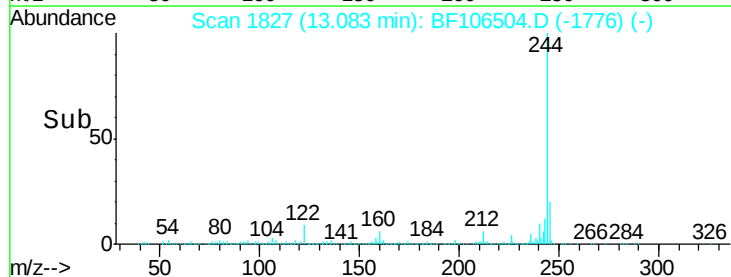
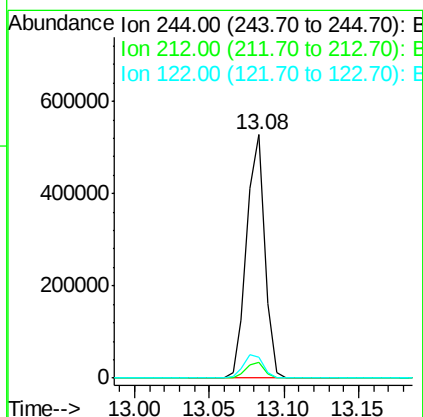
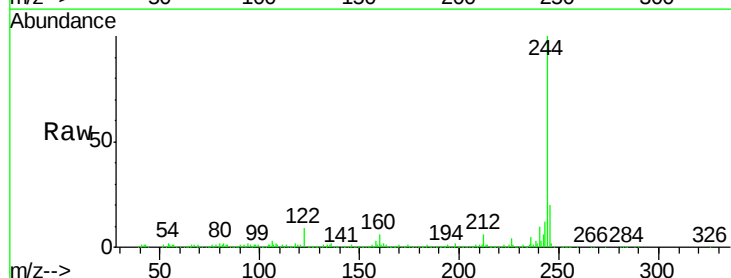
Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-6

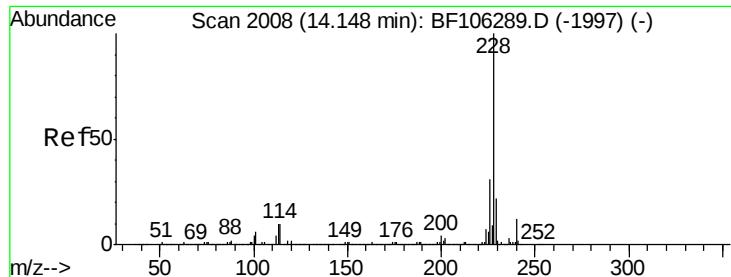
Tgt Ion: 202 Resp: 439400
 Ion Ratio Lower Upper
 202 100
 200 21.7 17.4 26.2
 203 18.5 14.3 21.5



#78
 Terphenyl-d14
 Concen: 34.446 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF106504.D
 Acq: 15 Jun 2018 20:46

Tgt Ion: 244 Resp: 444557
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 8.7 11.0 16.4#

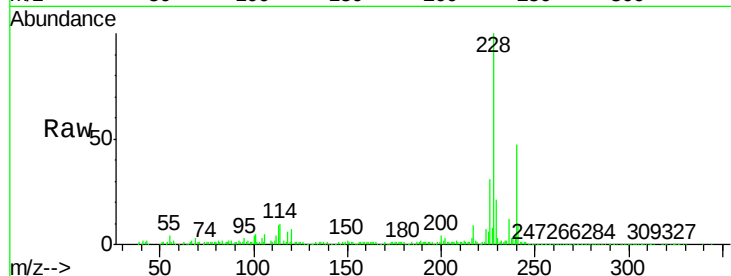




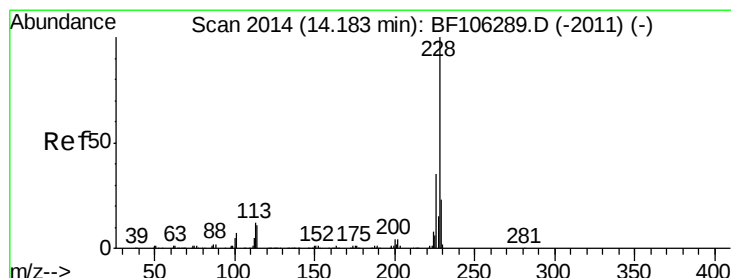
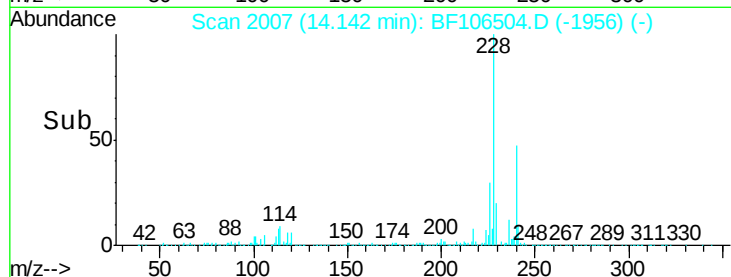
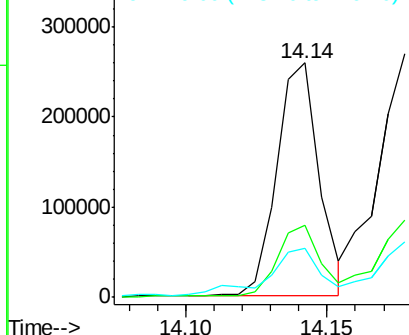
#80
Benzo(a)anthracene
Concen: 14.106 ng
RT: 14.14 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-6

Tgt Ion:228 Resp: 269087
Ion Ratio Lower Upper
228 100
226 30.7 22.6 33.8
229 20.9 15.8 23.6

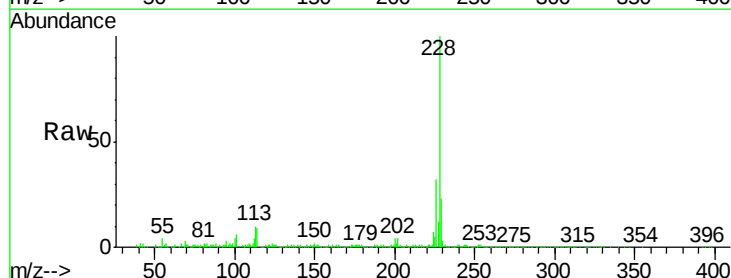


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

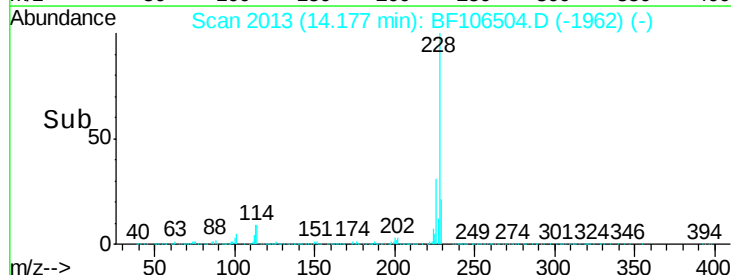
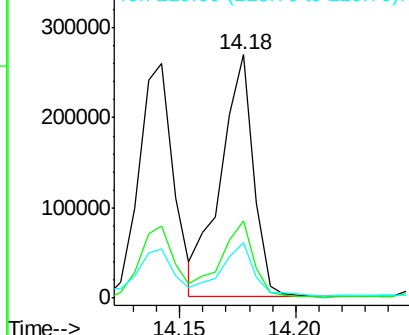


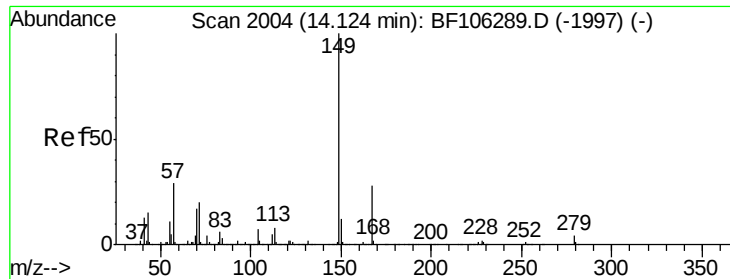
#82
Chrysene
Concen: 15.198 ng
RT: 14.18 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

Tgt Ion:228 Resp: 264690
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.6
229 22.5 16.2 24.4



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

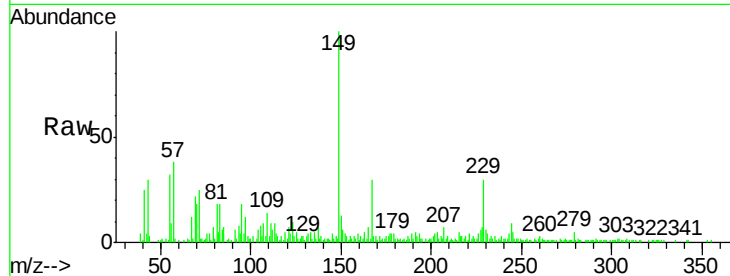




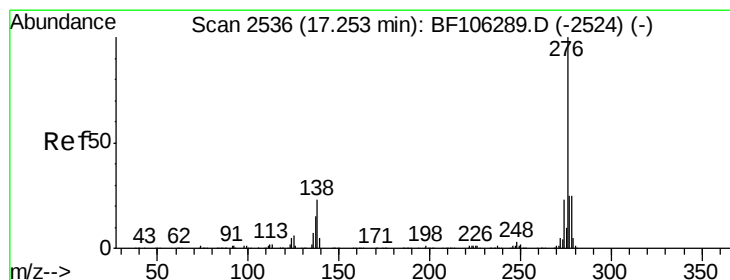
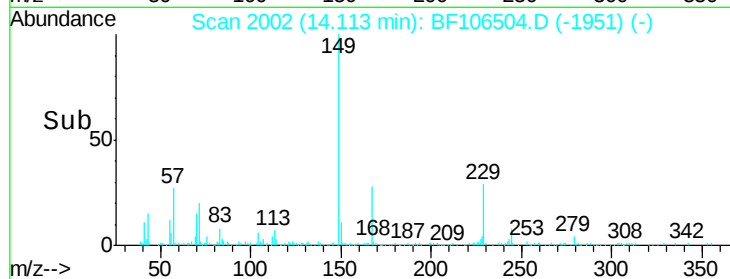
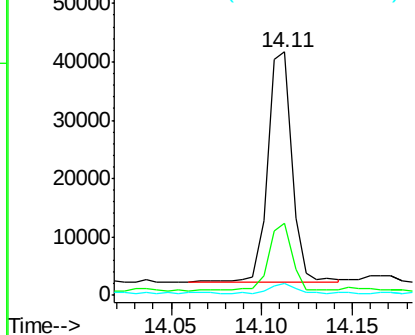
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.415 ng
 RT: 14.11 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: BF106504.D
 Acq: 15 Jun 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-6

Tgt Ion:149 Resp: 36782
 Ion Ratio Lower Upper
 149 100
 167 29.5 21.3 31.9
 279 5.1 3.0 4.4#

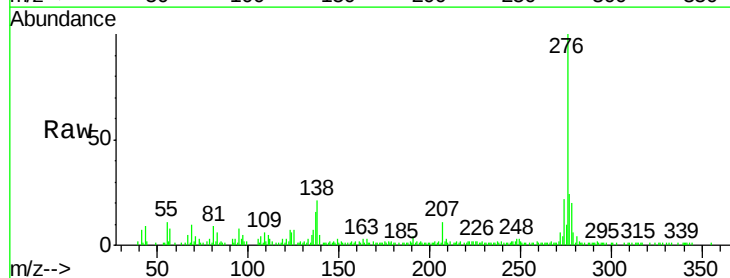


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

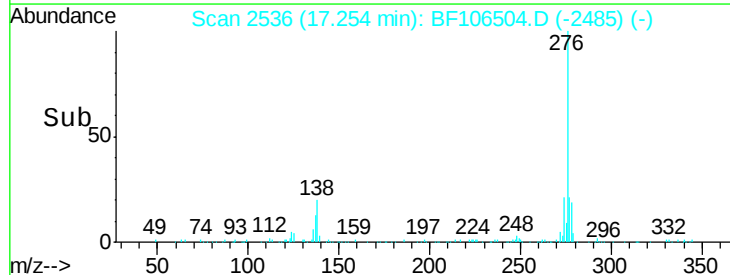
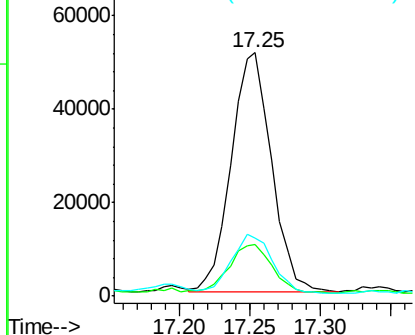


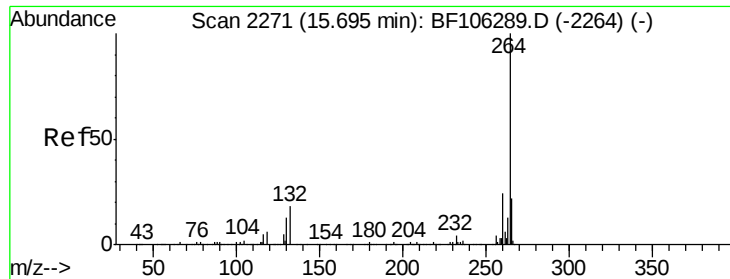
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.332 ng
 RT: 17.25 min Scan# 2536
 Delta R.T. 0.00 min
 Lab File: BF106504.D
 Acq: 15 Jun 2018 20:46

Tgt Ion:276 Resp: 101921
 Ion Ratio Lower Upper
 276 100
 138 22.1 25.0 37.6#
 277 25.3 20.1 30.1



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

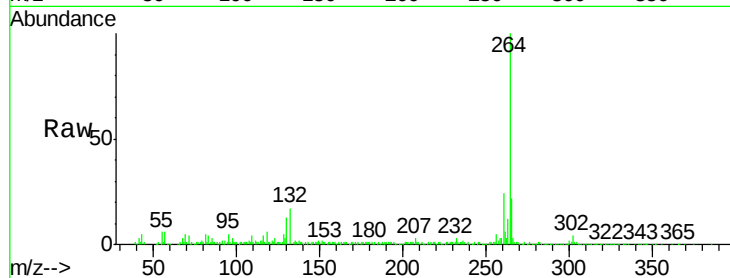




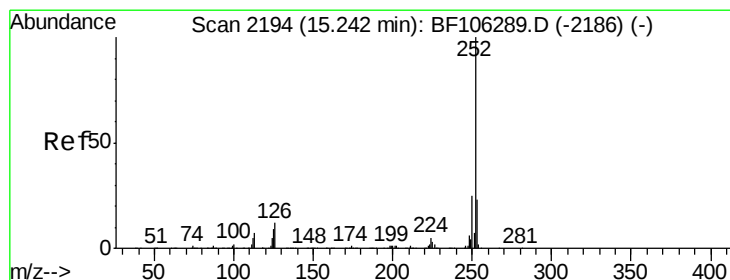
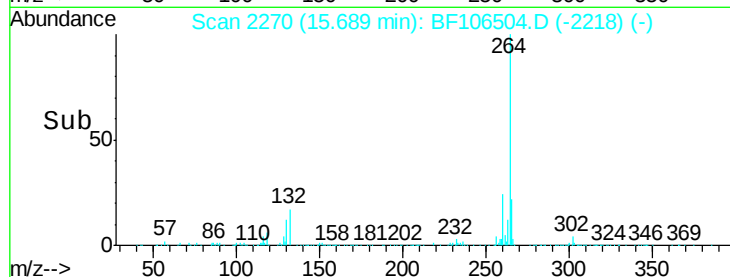
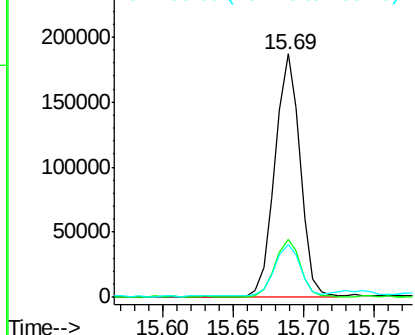
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:264 Resp: 233241
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.9 17.5 26.3

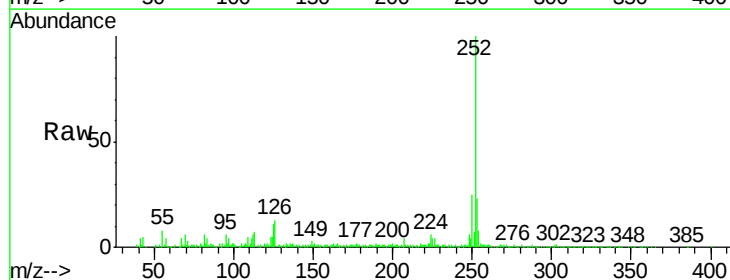


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

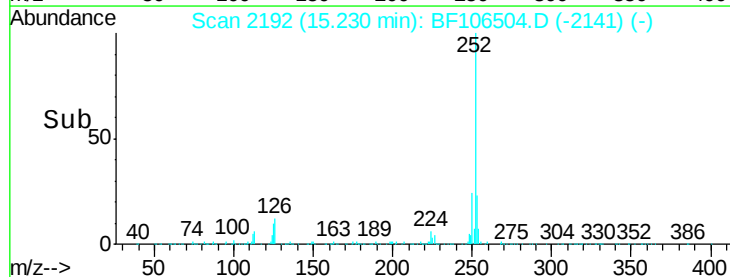
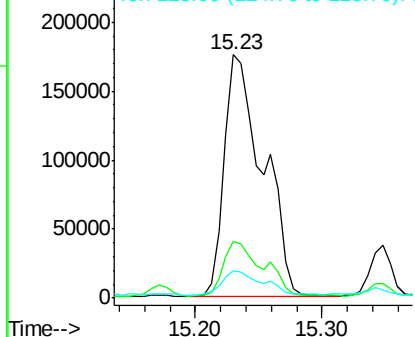


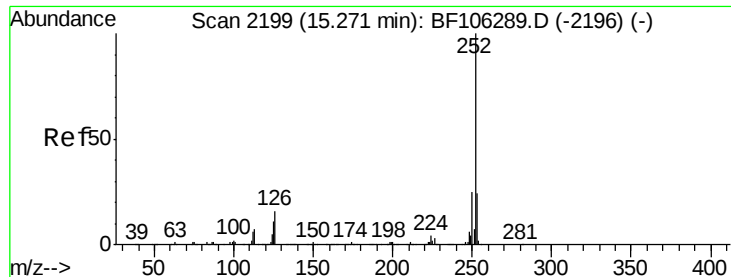
#87
Benzo(b)fluoranthene
Concen: 26.474 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

Tgt Ion:252 Resp: 373257
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 11.0 9.0 13.6



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

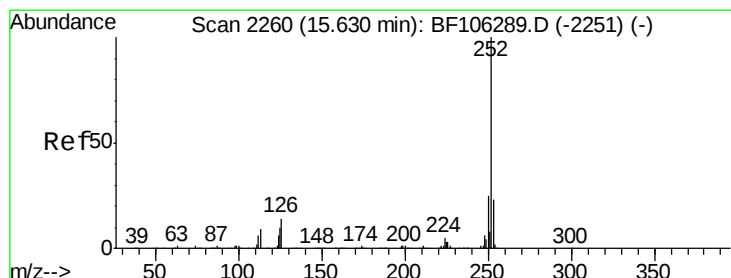
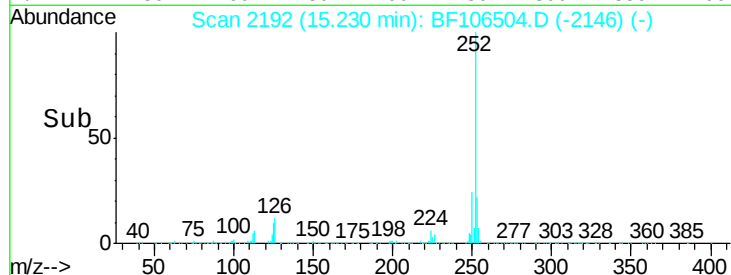
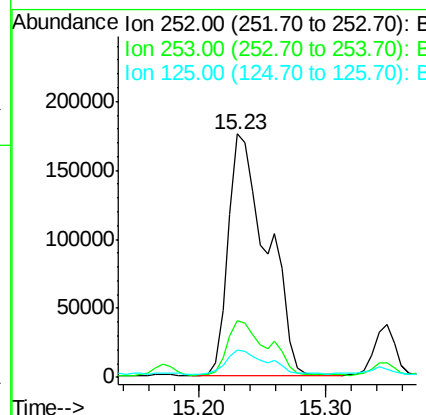
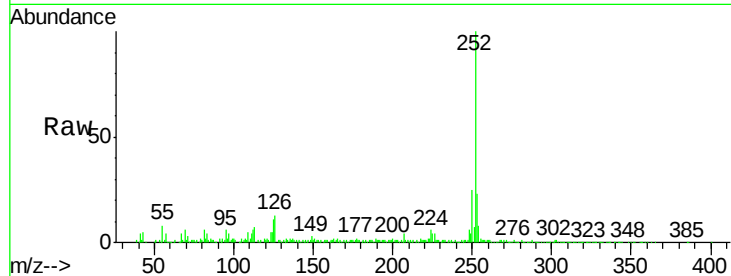




#88
Benzo(k)fluoranthene
Concen: 26.731 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

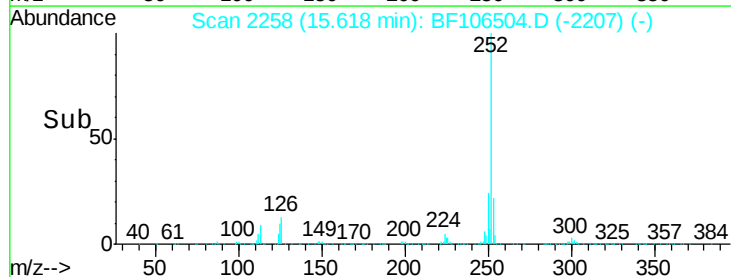
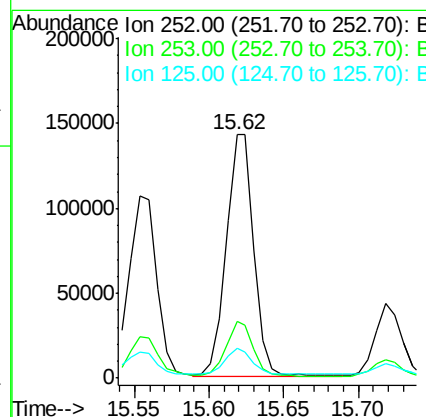
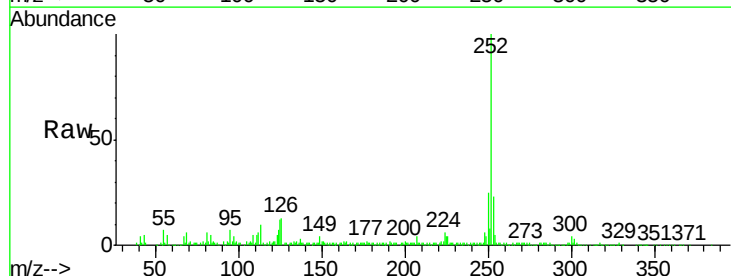
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-6

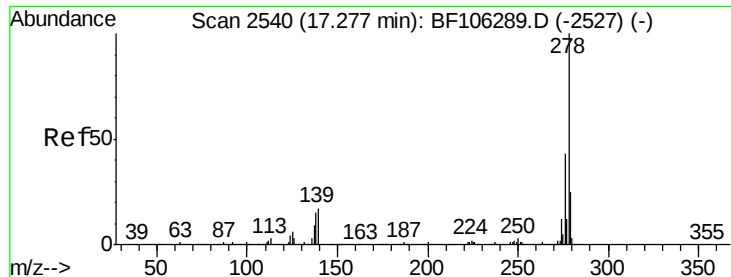
Tgt Ion:252 Resp: 373257
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 11.0 10.2 15.2



#89
Benzo(a)pyrene
Concen: 14.634 ng
RT: 15.62 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

Tgt Ion:252 Resp: 185583
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 12.4 9.8 14.6

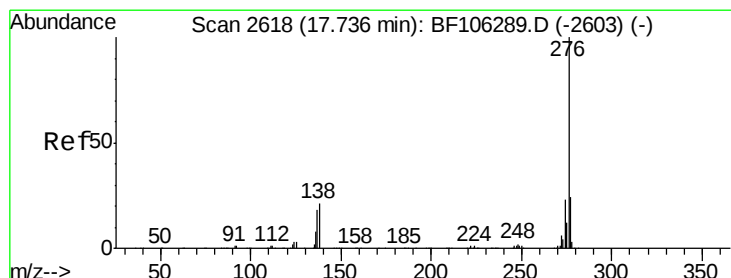
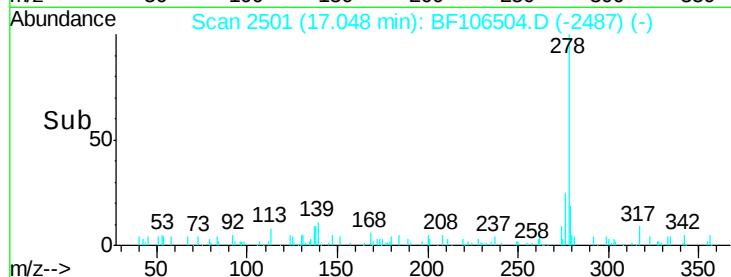
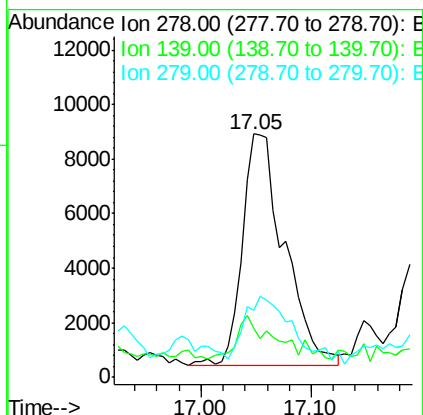
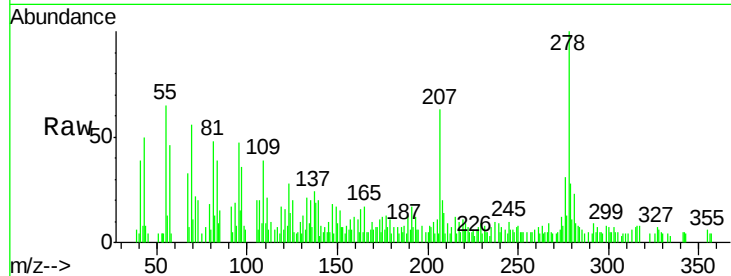




#90
Dibenzo(a,h)anthracene
Concen: 2.154 ng
RT: 17.05 min Scan# 2501
Delta R.T. -0.22 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-6

Tgt Ion: 278 Resp: 22775
Ion Ratio Lower Upper
278 100
139 19.9 15.9 23.9
279 27.6 19.0 28.4



#91
Benzo(g,h,i)perylene
Concen: 10.539 ng
RT: 17.73 min Scan# 2617
Delta R.T. 0.00 min
Lab File: BF106504.D
Acq: 15 Jun 2018 20:46

Tgt Ion: 276 Resp: 108281
Ion Ratio Lower Upper
276 100
277 22.8 17.9 26.9
138 20.5 21.8 32.8#

