

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061418\
 Data File : BF106454.D
 Acq On : 14 Jun 2018 20:38
 Operator : JU/SJ
 Sample : J3501-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10-S

Quant Time: Jun 15 01:13:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 14 18:39:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	124226	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	455723	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	184990	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	330306	20.00	ng	0.00
75) Chrysene-d12	14.15	240	321010	20.00	ng	-0.01
86) Perylene-d12	15.69	264	226452	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	748101	101.92	ng	0.00
7) Phenol-d6	6.61	99	907834	97.90	ng	0.00
23) Nitrobenzene-d5	7.53	82	584363	75.43	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	195722	109.96	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	908609	88.29	ng	0.00
78) Terphenyl-d14	13.08	244	892717	69.07	ng	0.00

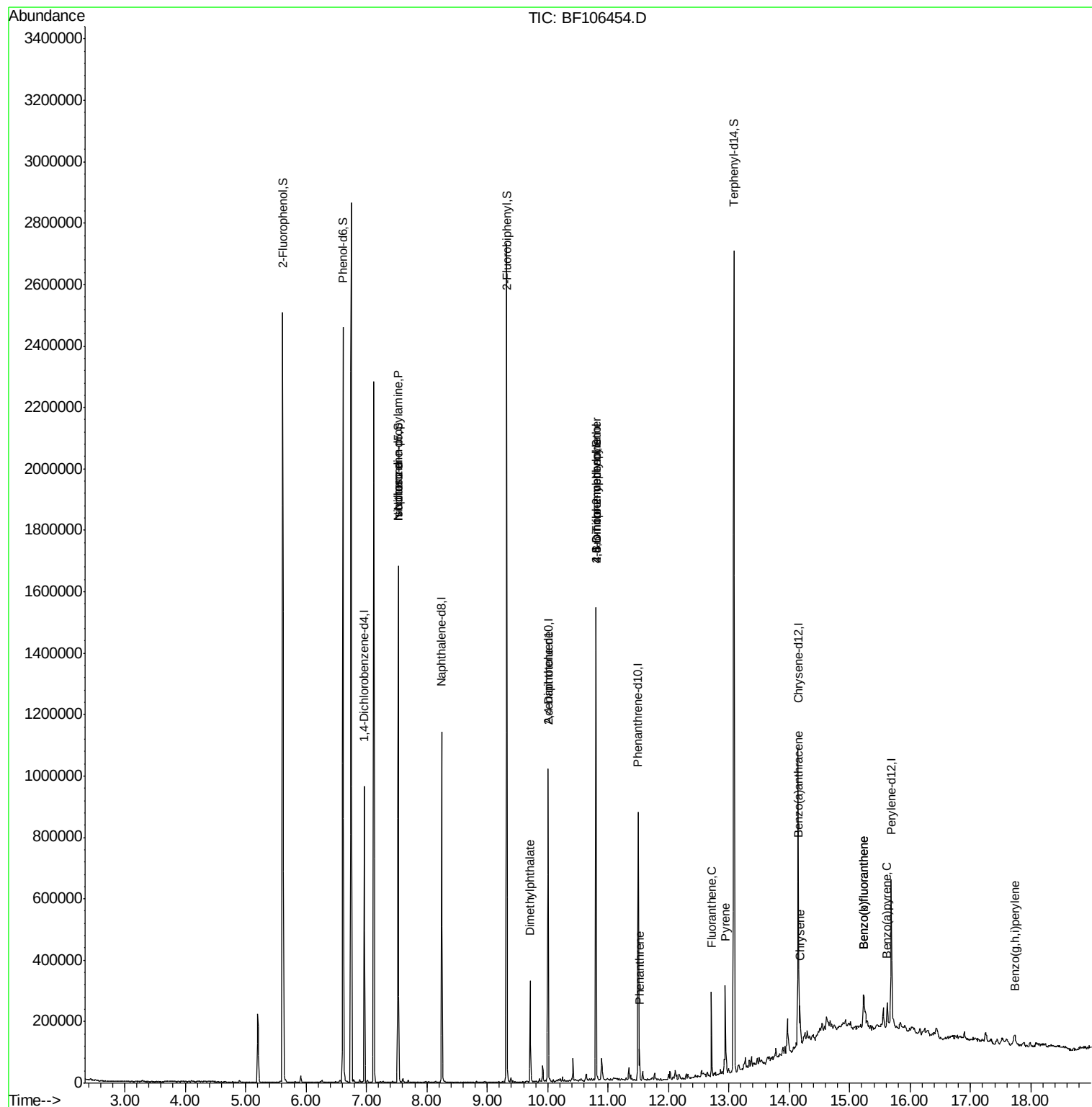
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	78641	11.304	ng	# 74
25) Isophorone	7.53	82	584352	38.620	ng	# 64
49) Dimethylphthalate	9.71	163	119706	9.057	ng	99
56) 2,4-Dinitrotoluene	10.01	165	23849	7.035	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.80	198	347	6.464	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	13538	3.604	ng	# 1
70) Phenanthrene	11.52	178	34068	2.106	ng	99
74) Fluoranthene	12.71	202	98296	5.698	ng	95
77) Pyrene	12.94	202	112531	5.599	ng	98
80) Benzo(a)anthracene	14.14	228	64050	3.353	ng	98
82) Chrysene	14.18	228	59114	3.389	ng	97
87) Benzo(b)fluoranthene	15.24	252	75076	5.484	ng	94
88) Benzo(k)fluoranthene	15.24	252	75076	5.538	ng	97
89) Benzo(a)pyrene	15.62	252	37060	3.010	ng	95
91) Benzo(g,h,i)perylene	17.73	276	23732	2.379	ng	94

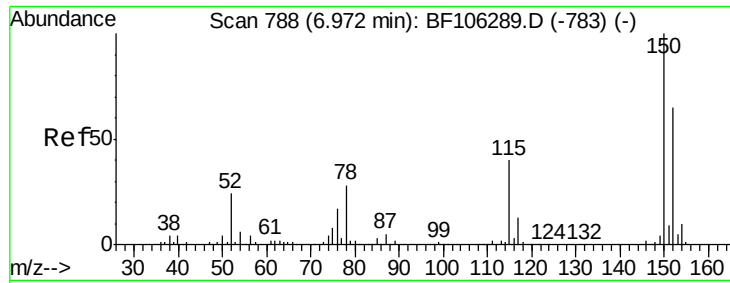
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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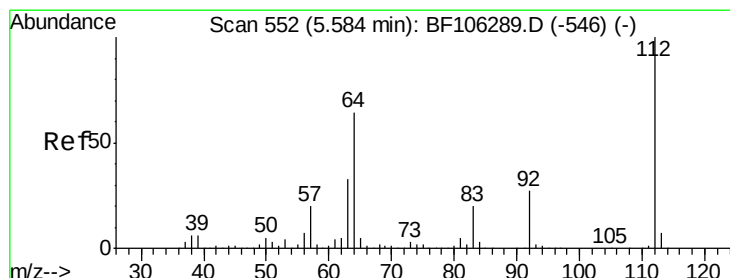
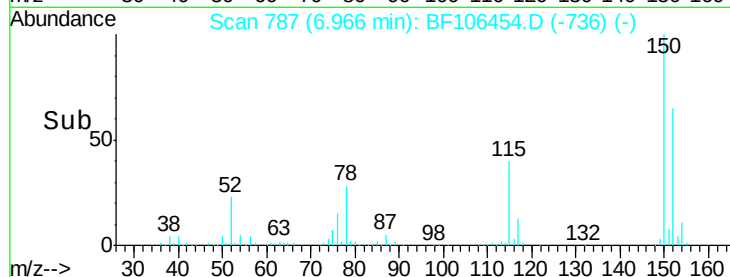
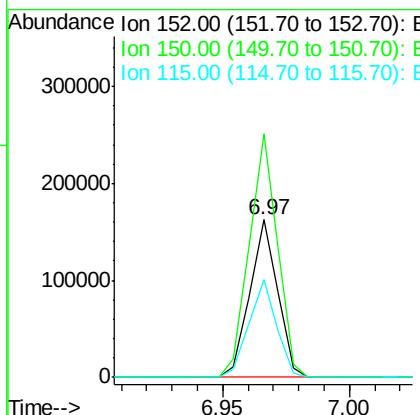
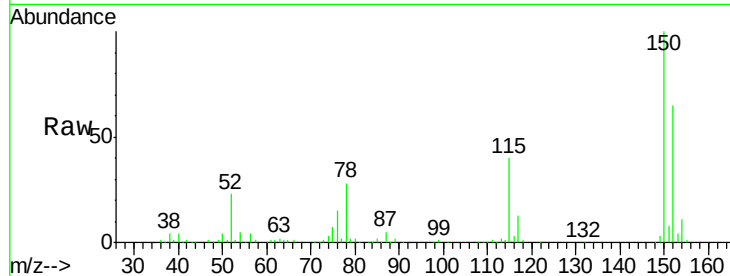




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF106454.D
 Acq: 14 Jun 2018 20:38

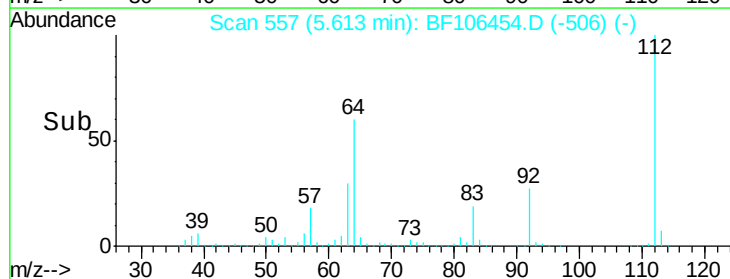
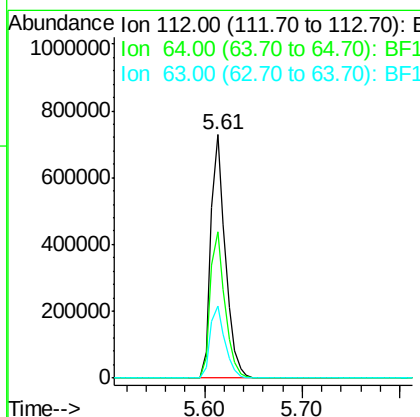
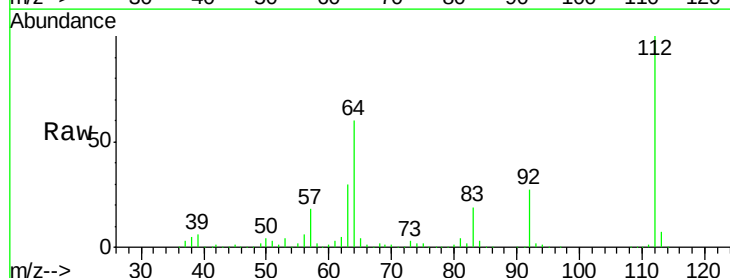
Instrument :
 BNA_F
 ClientSampleId :
 TP-10-S

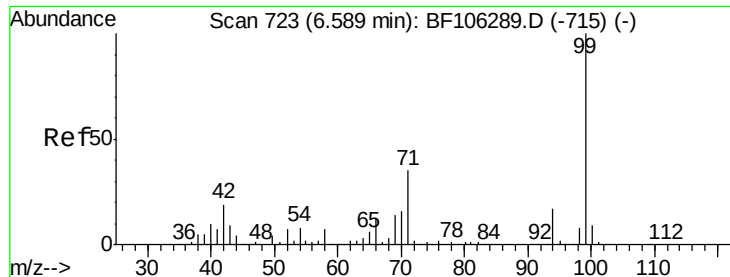
Tgt Ion:152 Resp: 124226
 Ion Ratio Lower Upper
 152 100
 150 154.3 124.6 186.8
 115 61.9 50.1 75.1



#5
 2-Fluorophenol
 Concen: 101.924 ng
 RT: 5.61 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: BF106454.D
 Acq: 14 Jun 2018 20:38

Tgt Ion:112 Resp: 748101
 Ion Ratio Lower Upper
 112 100
 64 59.9 47.9 71.9
 63 29.8 23.7 35.5





#7

Phenol-d6

Concen: 97.899 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF106454.D

Acq: 14 Jun 2018 20:38

Instrument :

BNA_F

ClientSampled :

TP-10-S

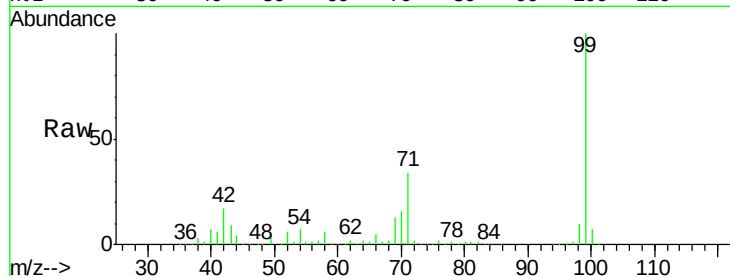
Tgt Ion: 99 Resp: 907834

Ion Ratio Lower Upper

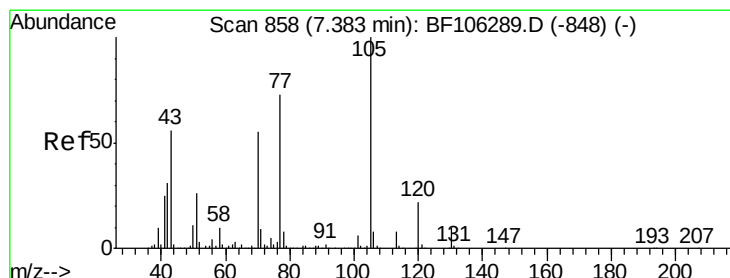
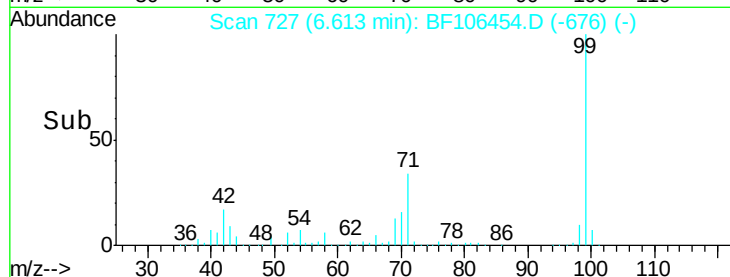
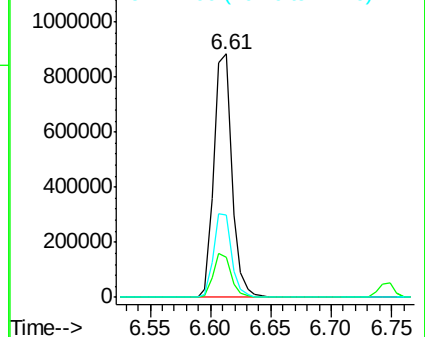
99 100

42 16.6 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: 11.304 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106454.D

Acq: 14 Jun 2018 20:38

Tgt Ion: 70 Resp: 78641

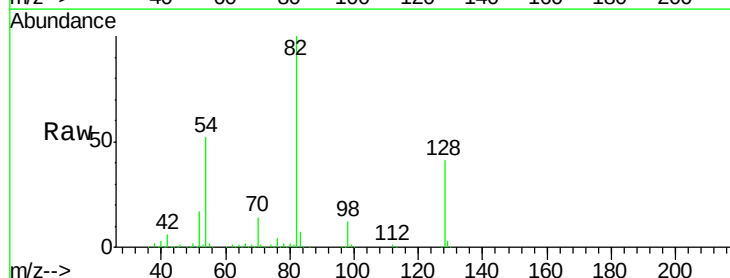
Ion Ratio Lower Upper

70 100

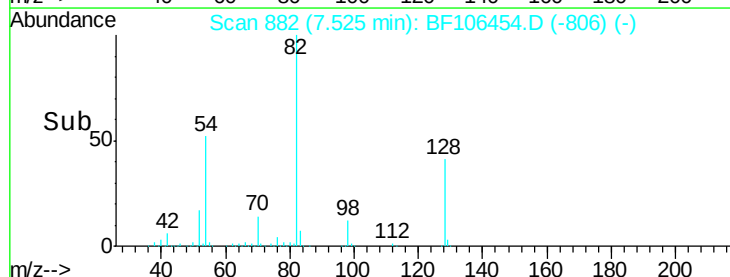
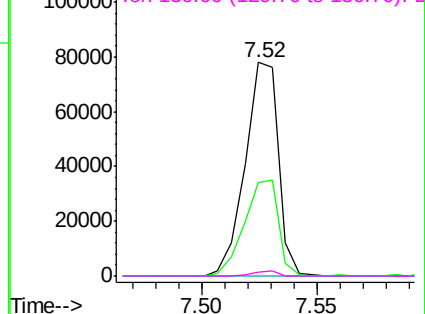
42 43.8 47.5 71.3#

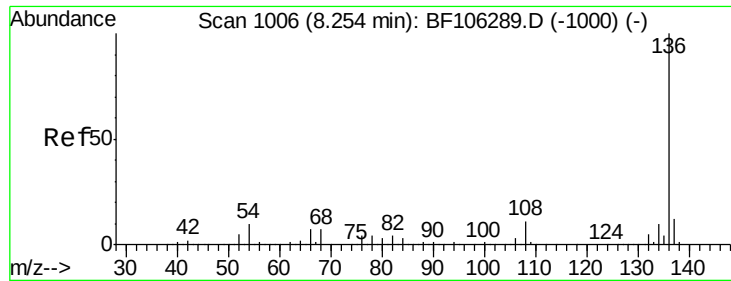
101 0.0 7.4 11.2#

130 1.9 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

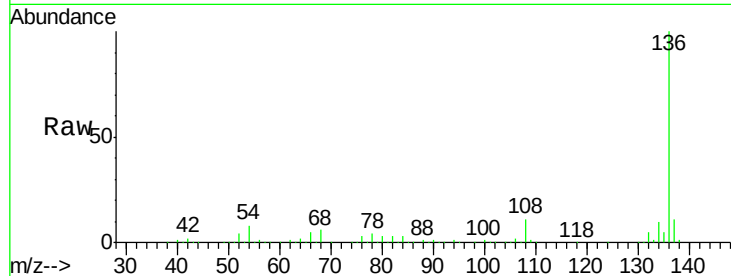




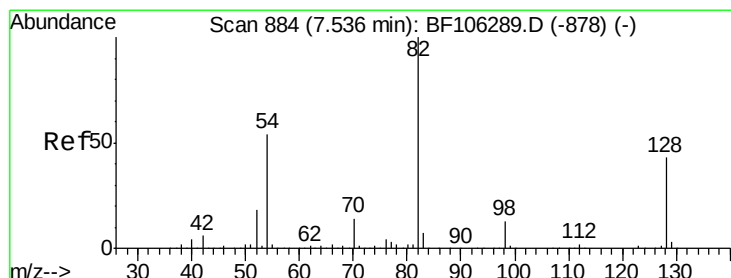
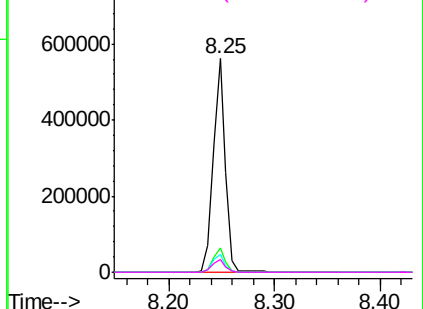
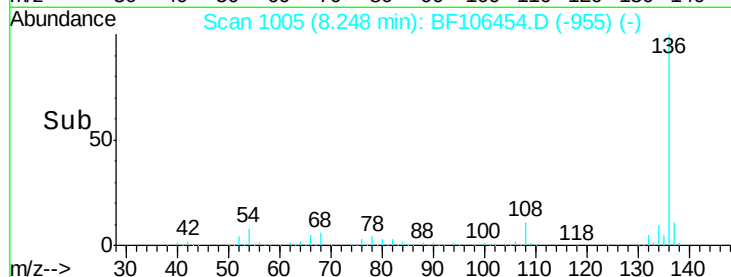
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF106454.D
Acq: 14 Jun 2018 20:38

Instrument :
BNA_F
ClientSampleId :
TP-10-S

Tgt Ion:	136	Resp:	455723
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.3	6.6	9.8
68	6.3	5.0	7.4

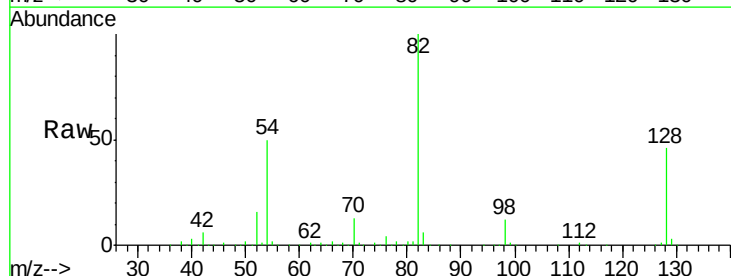


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

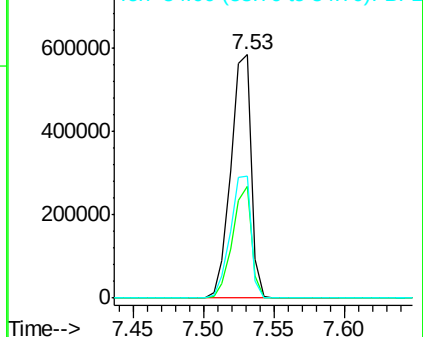
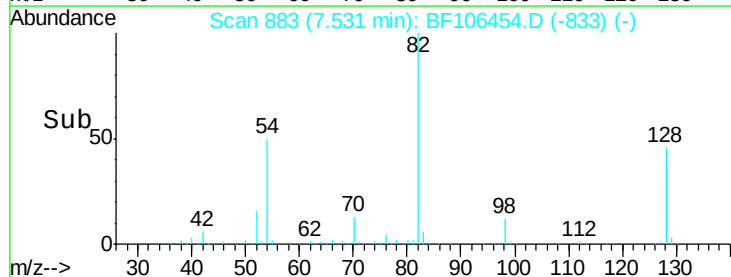


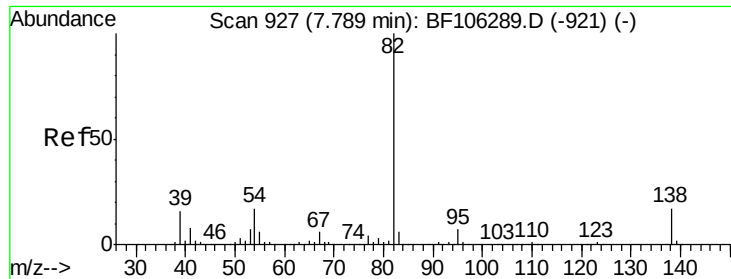
#23
Nitrobenzene-d5
Concen: 75.434 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF106454.D
Acq: 14 Jun 2018 20:38

Tgt Ion:	82	Resp:	584363
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	50.2	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: 38.620 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF106454.D

Acq: 14 Jun 2018 20:38

Instrument :

BNA_F

ClientSampleId :

TP-10-S

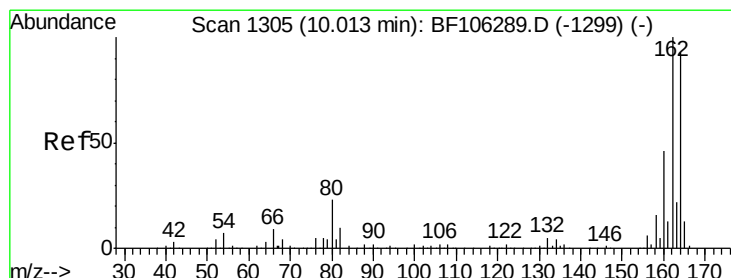
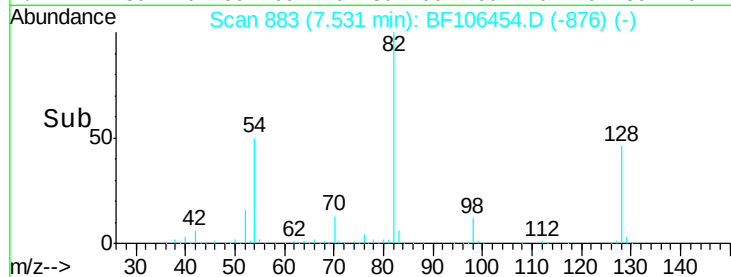
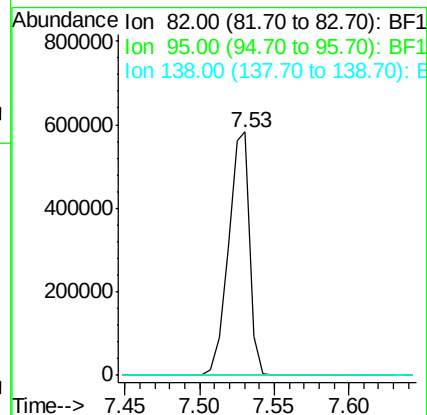
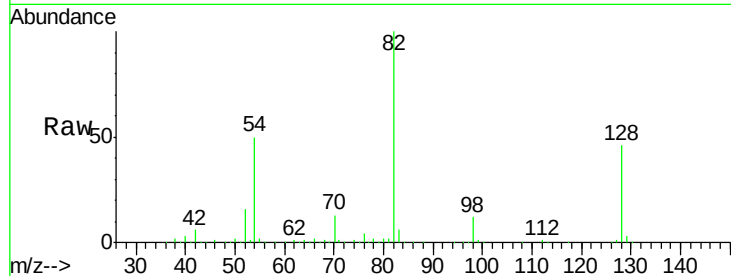
Tgt Ion: 82 Resp: 584352

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF106454.D

Acq: 14 Jun 2018 20:38

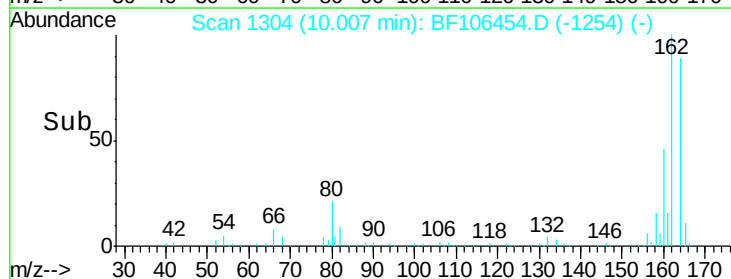
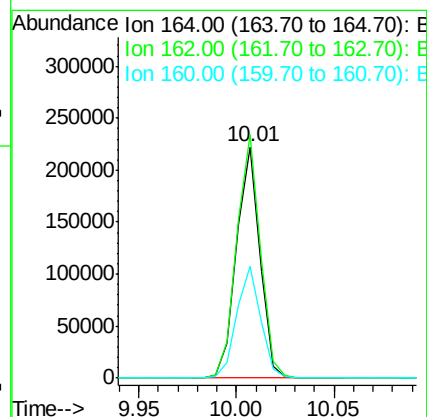
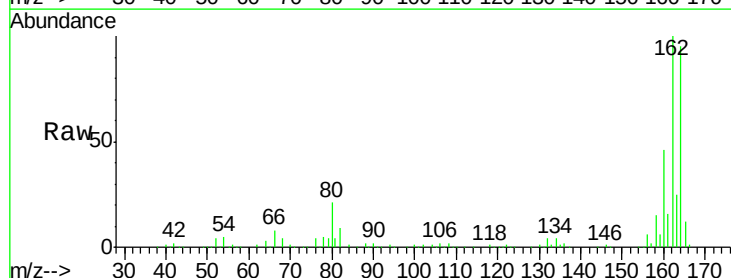
Tgt Ion: 164 Resp: 184990

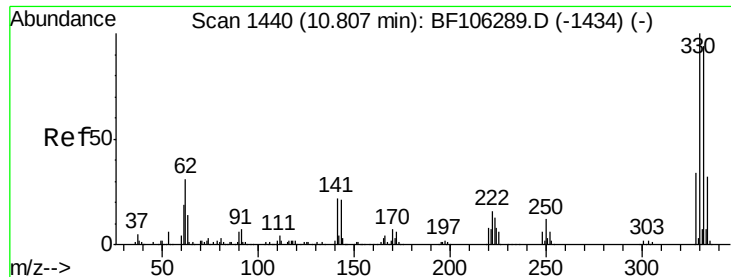
Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

160 48.6 38.3 57.5

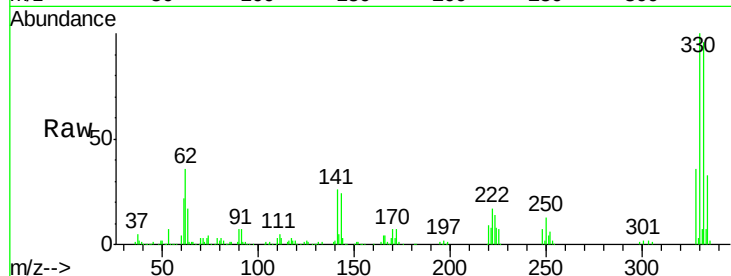




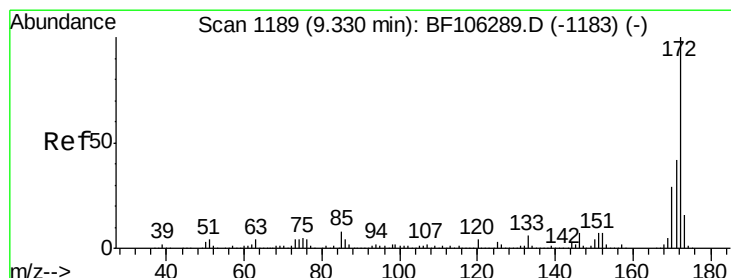
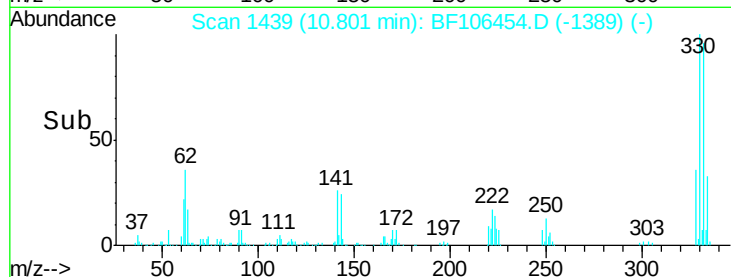
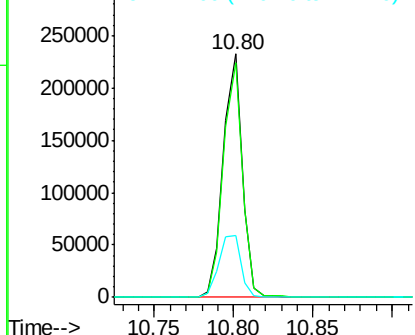
#41
 2,4,6-Tribromophenol
 Concen: 109.961 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106454.D
 Acq: 14 Jun 2018 20:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-10-S

Tgt Ion:330 Resp: 195722
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 29.7 29.9 44.9#

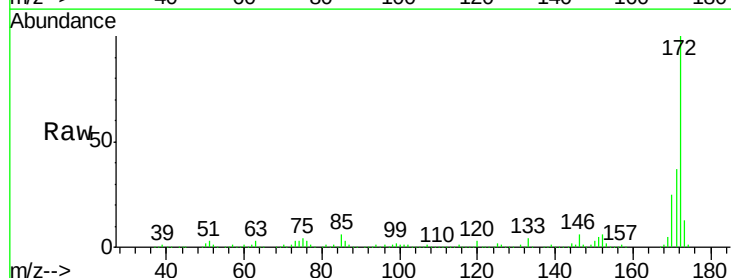


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

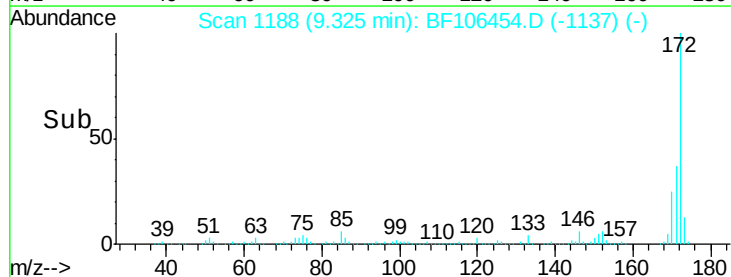
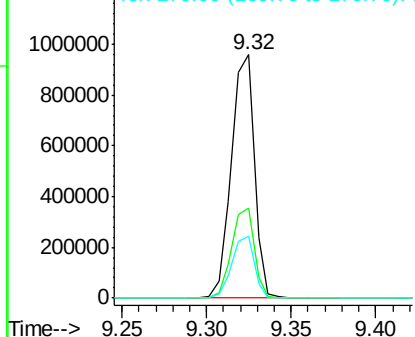


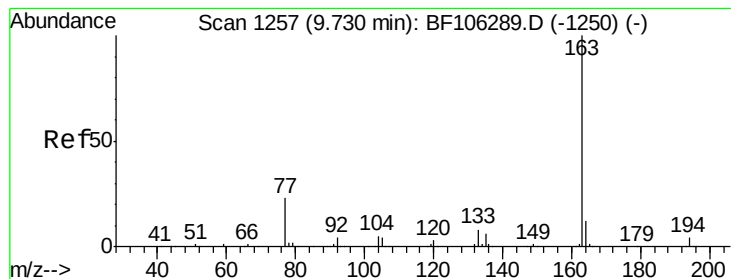
#44
 2-Fluorobiphenyl
 Concen: 88.294 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF106454.D
 Acq: 14 Jun 2018 20:38

Tgt Ion:172 Resp: 908609
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.7 44.5
 170 25.3 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: 9.057 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF106454.D

Acq: 14 Jun 2018 20:38

Instrument :

BNA_F

ClientSampleId :

TP-10-S

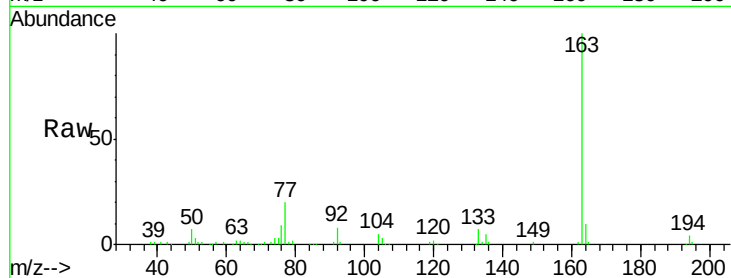
Tgt Ion:163 Resp: 119706

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

164 10.2 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

200000

150000

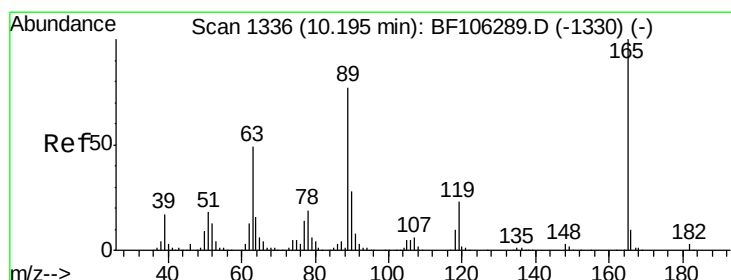
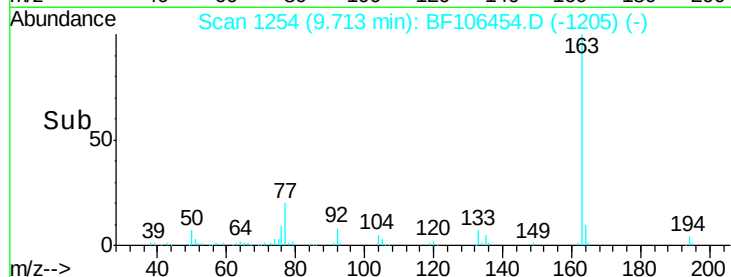
100000

50000

0

9.65 9.70 9.75 9.80

Time-->



#56

2,4-Dinitrotoluene

Concen: 7.035 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF106454.D

Acq: 14 Jun 2018 20:38

Tgt Ion:165 Resp: 23849

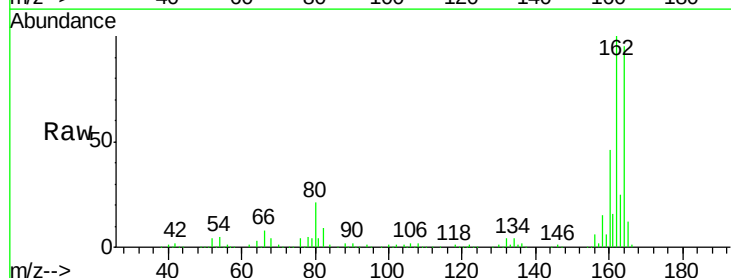
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#



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

Ion 182.00 (181.70 to 182.70): E

40000

30000

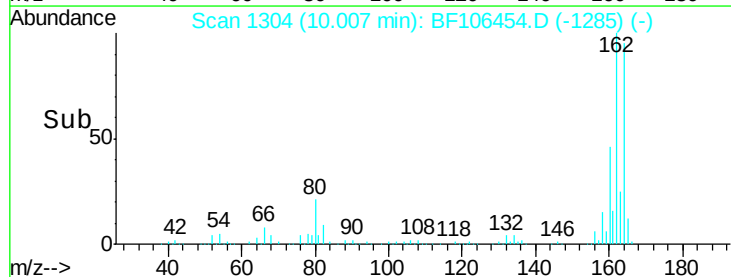
20000

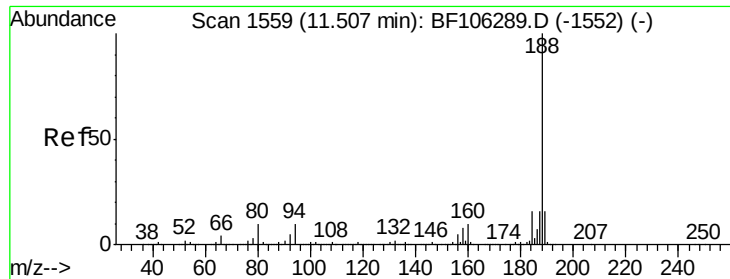
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0

10.00

Time-->

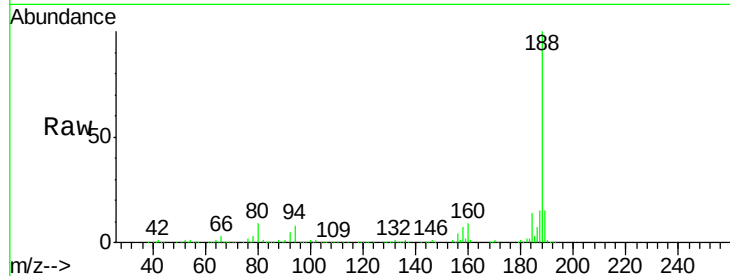




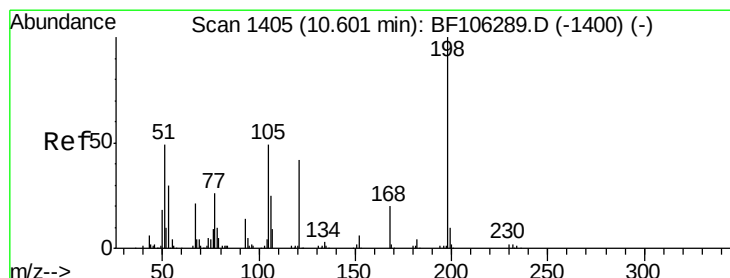
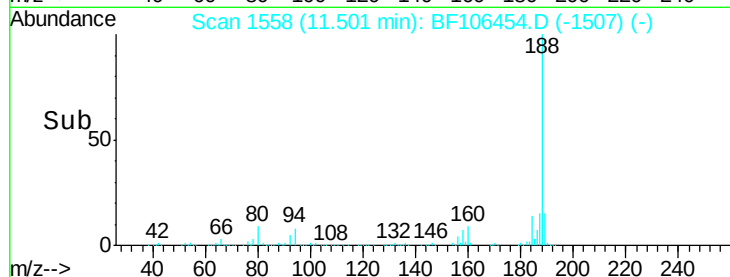
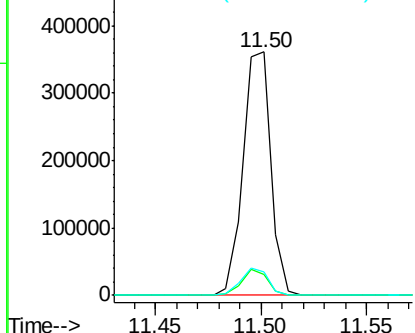
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF106454.D
 Acq: 14 Jun 2018 20:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-10-S

Tgt Ion:188 Resp: 330306
 Ion Ratio Lower Upper
 188 100
 94 8.4 8.5 12.7#
 80 9.4 9.2 13.8

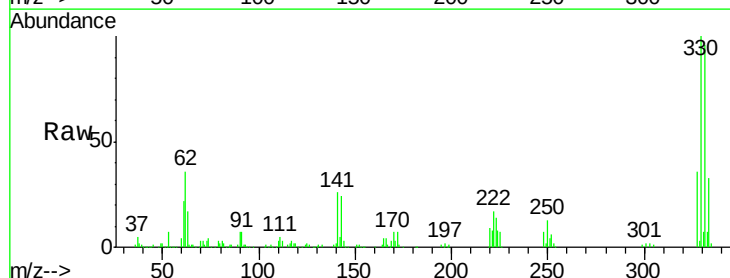


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

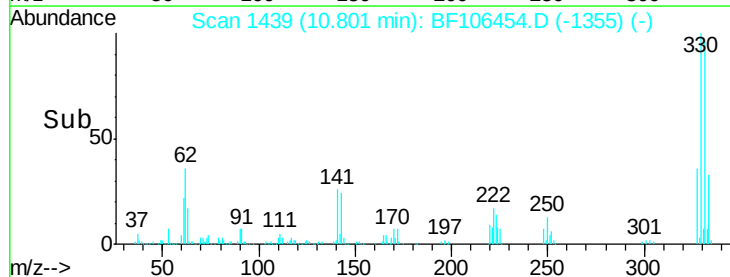
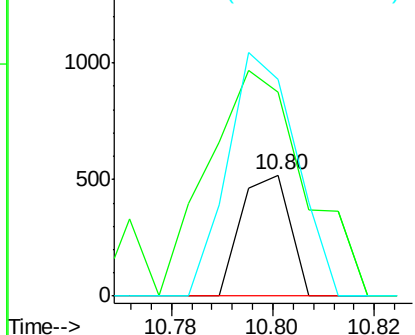


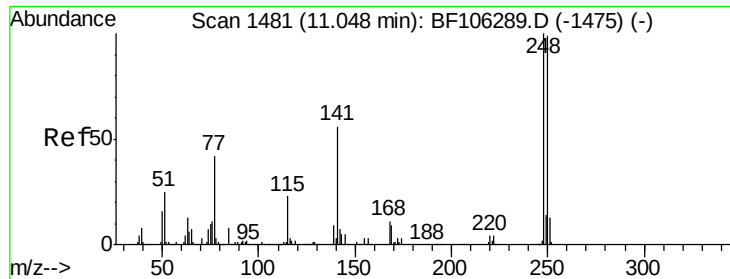
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.464 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.19 min
 Lab File: BF106454.D
 Acq: 14 Jun 2018 20:38

Tgt Ion:198 Resp: 347
 Ion Ratio Lower Upper
 198 100
 51 168.5 37.7 77.7#
 105 178.8 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

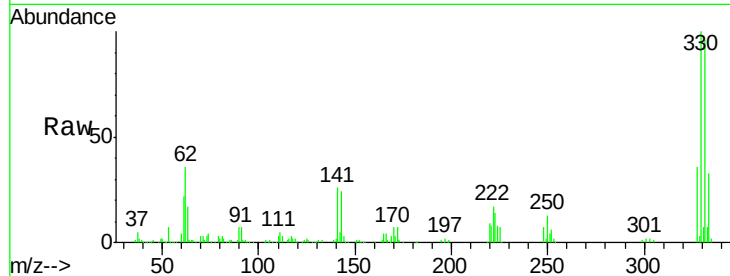




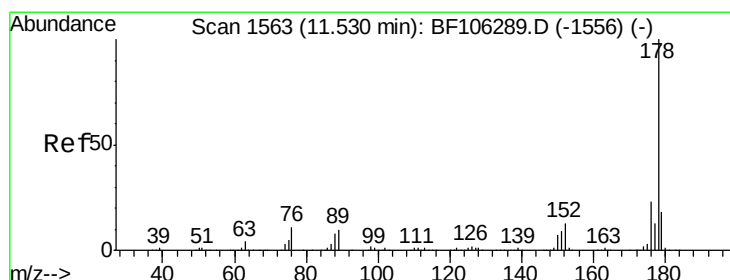
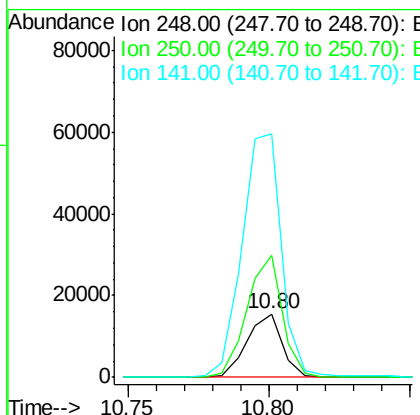
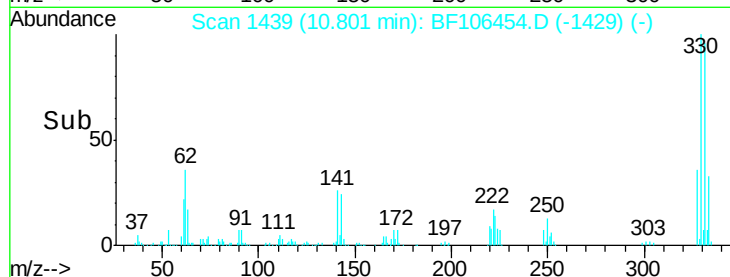
#66
 4-Bromophenyl-phenylether
 Concen: 3.604 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF106454.D
 Acq: 14 Jun 2018 20:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-10-S

Tgt Ion: 248 Resp: 13538
 Ion Ratio Lower Upper
 248 100
 250 192.0 76.9 115.3#
 141 384.9 74.4 111.6#

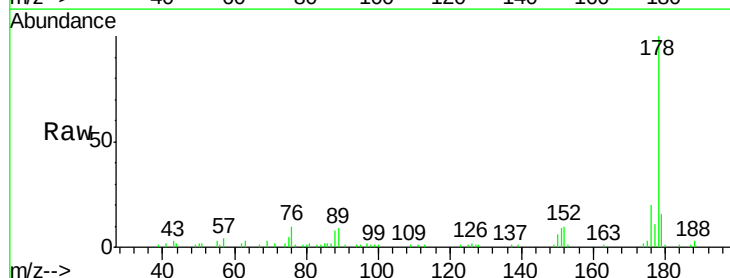


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

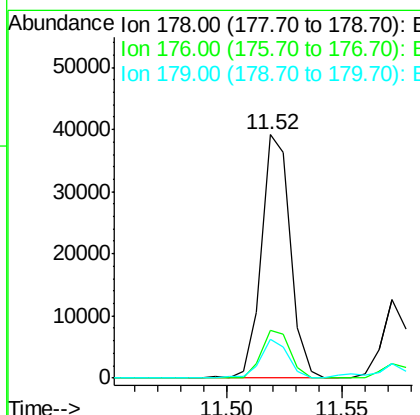
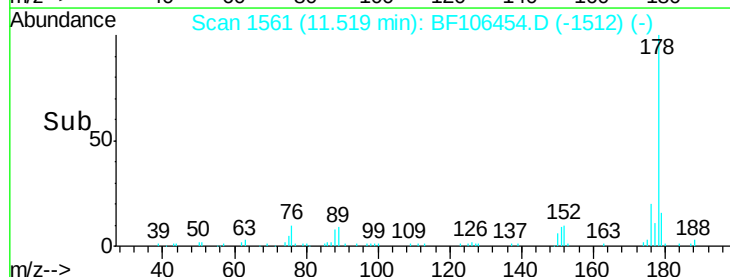


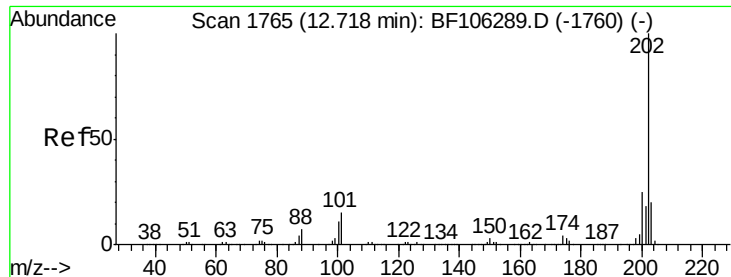
#70
 Phenanthrene
 Concen: 2.106 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF106454.D
 Acq: 14 Jun 2018 20:38

Tgt Ion: 178 Resp: 34068
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 16.0 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





#74

Fluoranthene

Concen: 5.698 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106454.D

Acq: 14 Jun 2018 20:38

Instrument :

BNA_F

ClientSampleId :

TP-10-S

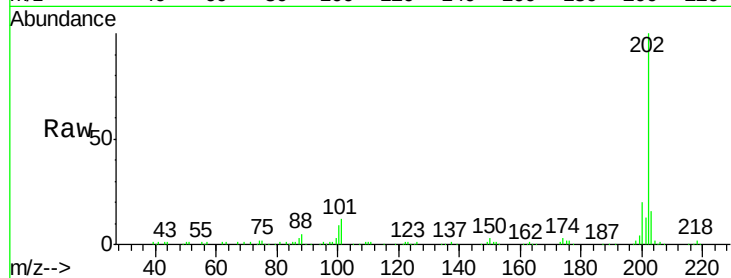
Tgt Ion:202 Resp: 98296

Ion Ratio Lower Upper

202 100

101 11.8 0.0 34.1

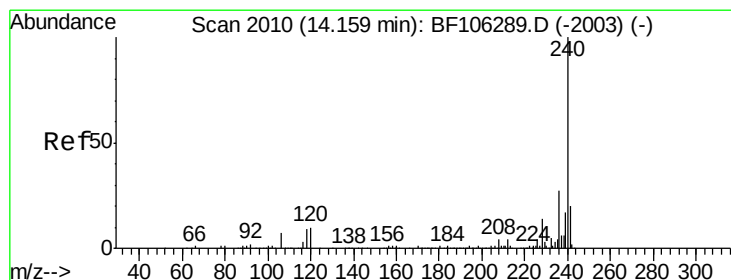
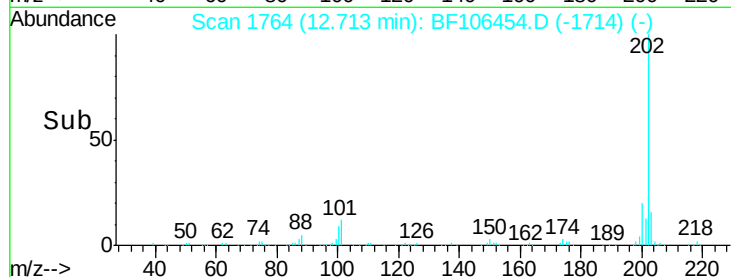
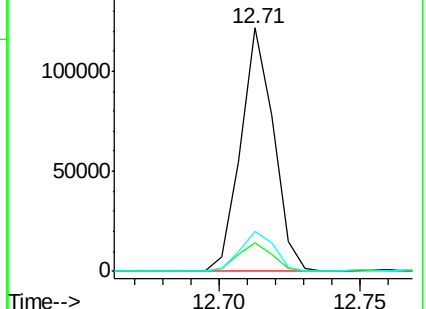
203 16.3 0.0 38.1



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: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106454.D

Acq: 14 Jun 2018 20:38

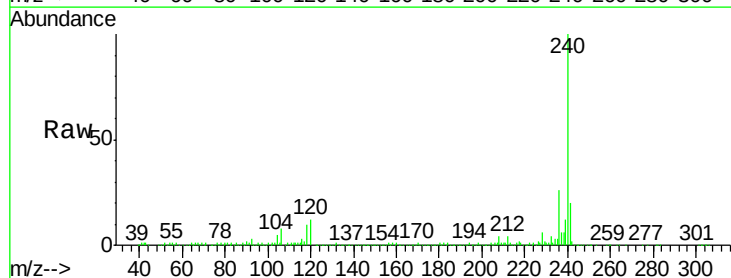
Tgt Ion:240 Resp: 321010

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

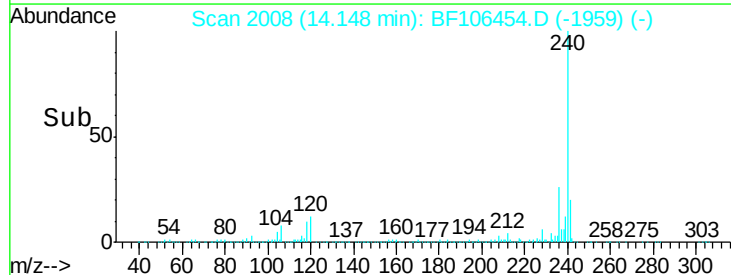
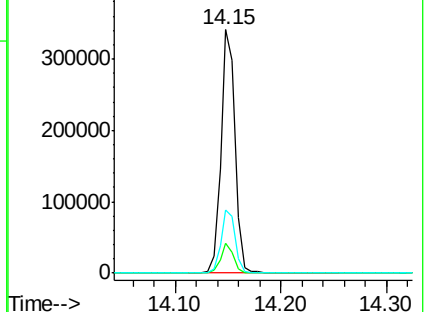
236 25.8 20.7 31.1

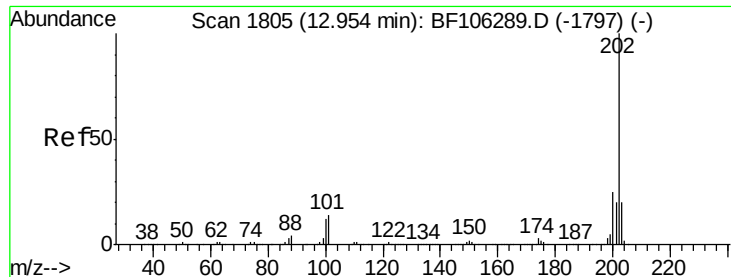


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

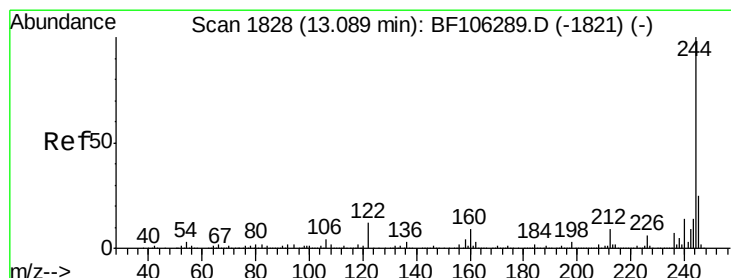
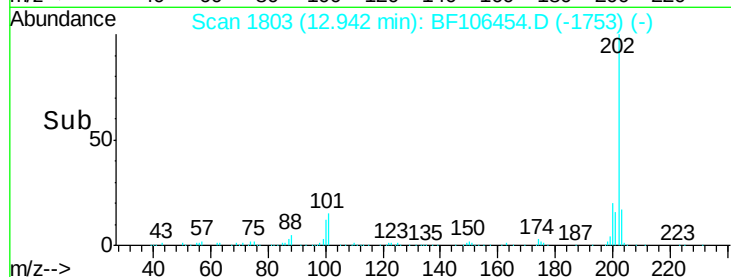
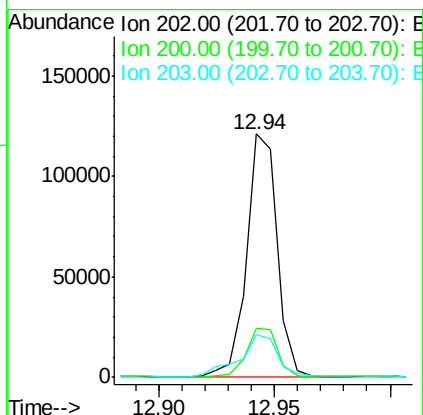
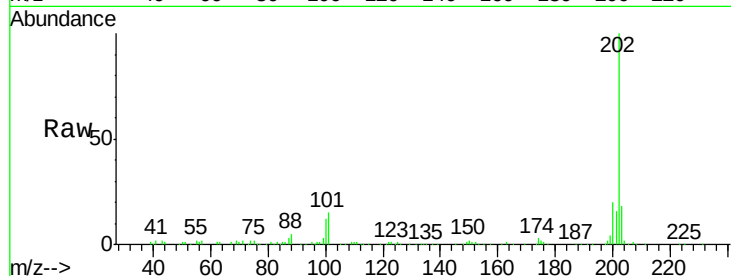




#77
 Pyrene
 Concen: 5.599 ng
 RT: 12.94 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BF106454.D
 Acq: 14 Jun 2018 20:38

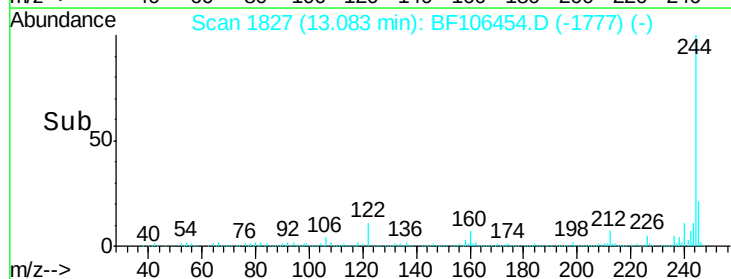
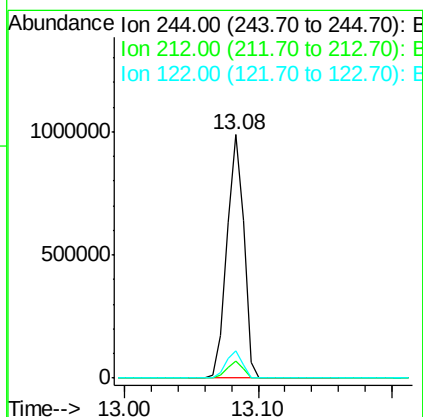
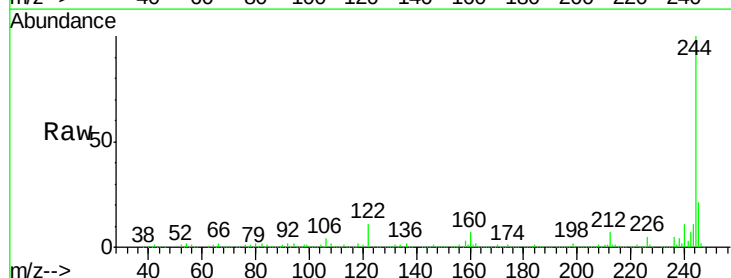
Instrument :
 BNA_F
 ClientSampleId :
 TP-10-S

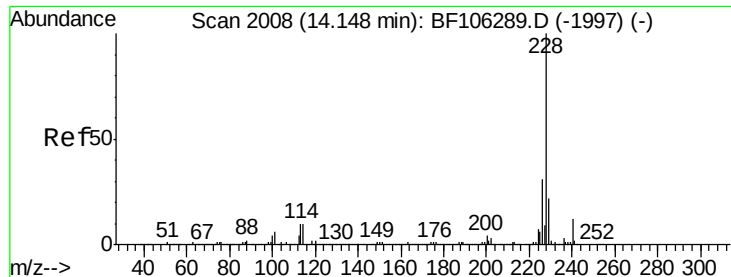
Tgt Ion: 202 Resp: 112531
 Ion Ratio Lower Upper
 202 100
 200 20.0 17.4 26.2
 203 17.5 14.3 21.5



#78
 Terphenyl-d14
 Concen: 69.073 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BF106454.D
 Acq: 14 Jun 2018 20:38

Tgt Ion: 244 Resp: 892717
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 11.2 11.0 16.4





#80

Benzo(a)anthracene

Concen: 3.353 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF106454.D

Acq: 14 Jun 2018 20:38

Instrument :

BNA_F

ClientSampleId :

TP-10-S

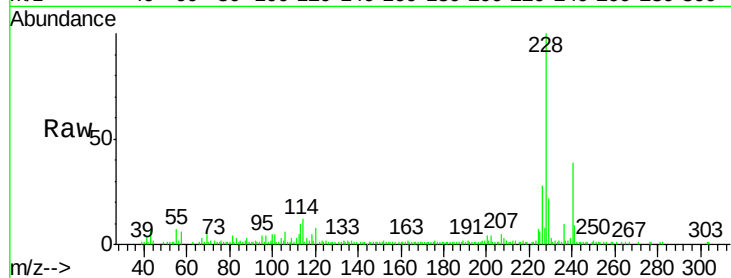
Tgt Ion:228 Resp: 64050

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

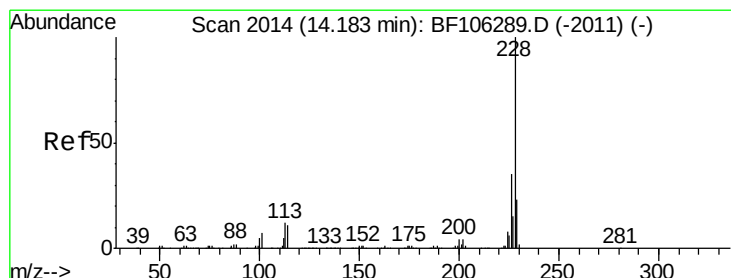
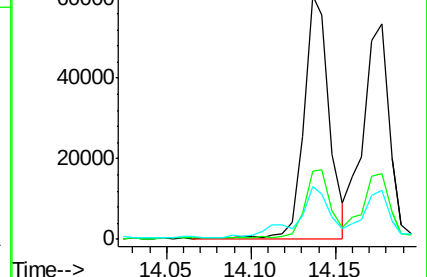
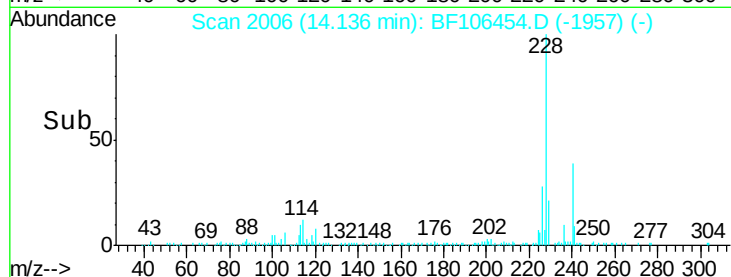
229 21.8 15.8 23.6



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: 3.389 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF106454.D

Acq: 14 Jun 2018 20:38

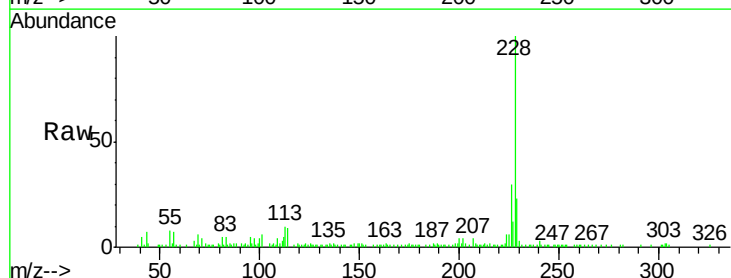
Tgt Ion:228 Resp: 59114

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

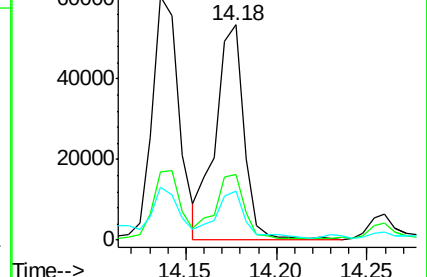
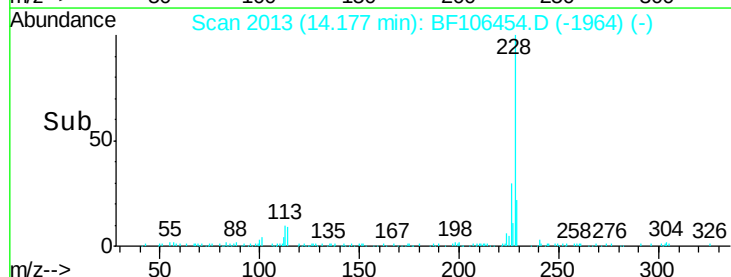
229 22.7 16.2 24.4

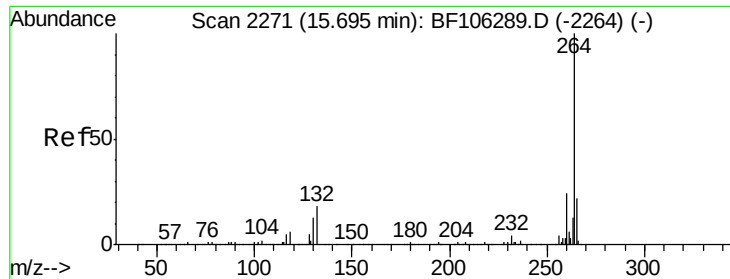


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

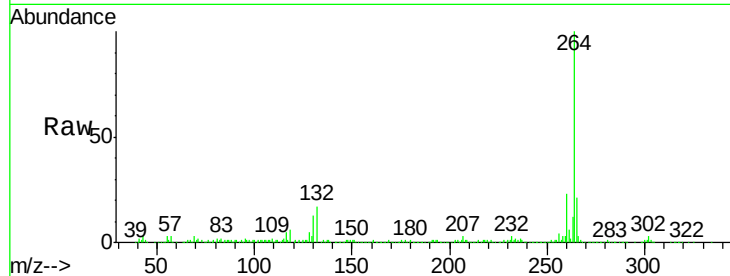




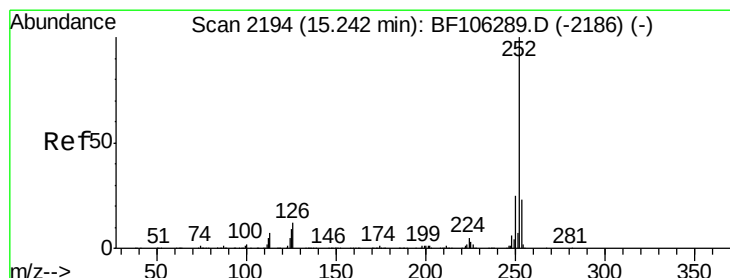
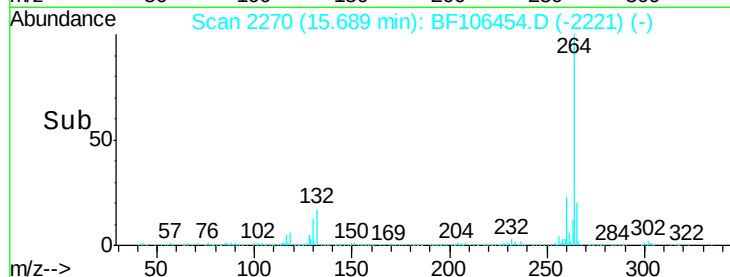
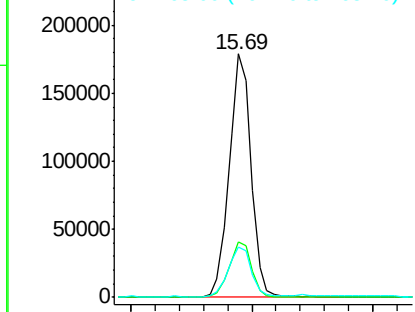
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF106454.D
Acq: 14 Jun 2018 20:38

Instrument :
BNA_F
ClientSampleId :
TP-10-S

Tgt Ion:264 Resp: 226452
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 20.8 17.5 26.3

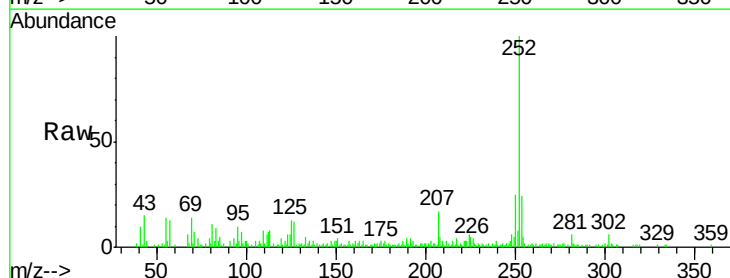


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

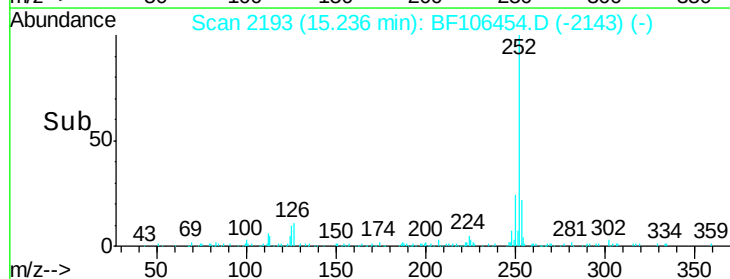
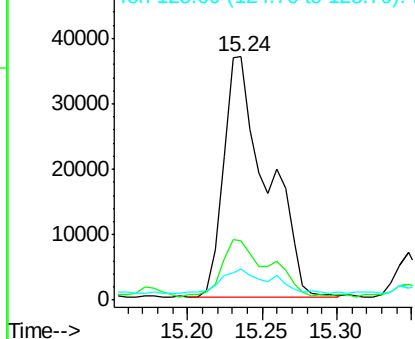


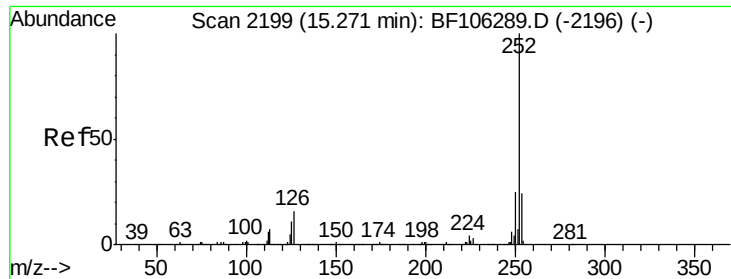
#87
Benzo(b)fluoranthene
Concen: 5.484 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF106454.D
Acq: 14 Jun 2018 20:38

Tgt Ion:252 Resp: 75076
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 13.0 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

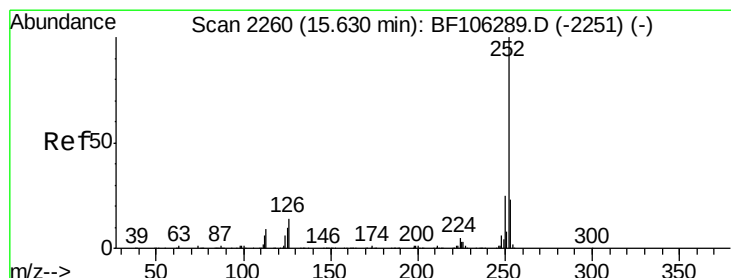
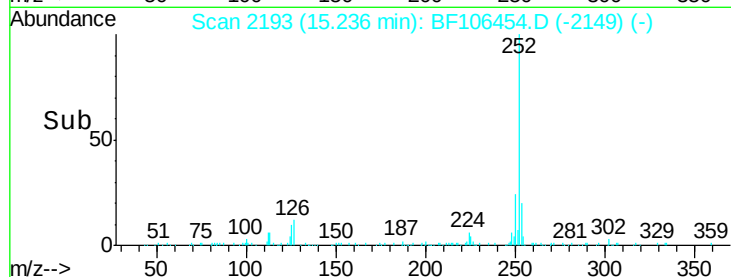
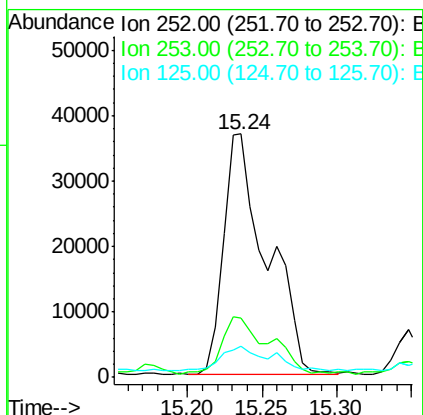
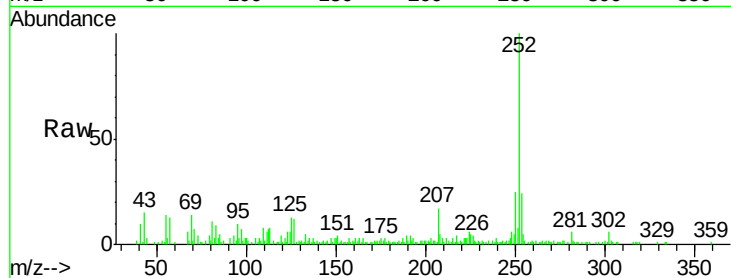




#88
Benzo(k)fluoranthene
Concen: 5.538 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.04 min
Lab File: BF106454.D
Acq: 14 Jun 2018 20:38

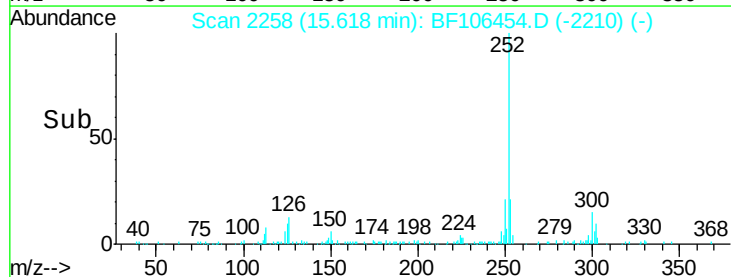
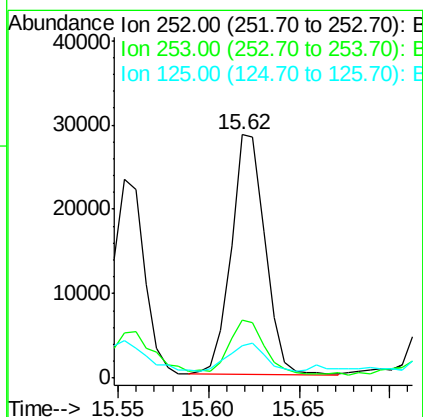
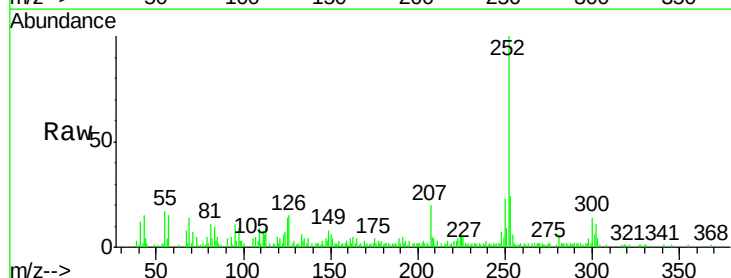
Instrument :
BNA_F
ClientSampleId :
TP-10-S

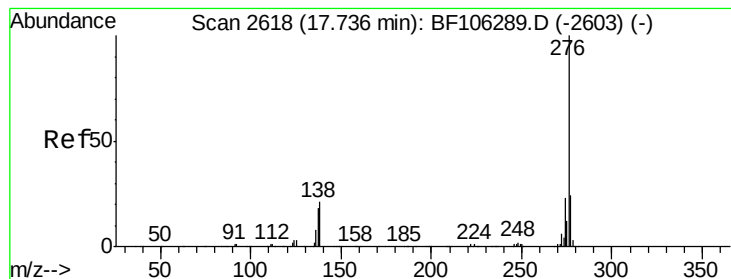
Tgt Ion:252 Resp: 75076
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 13.0 10.2 15.2



#89
Benzo(a)pyrene
Concen: 3.010 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF106454.D
Acq: 14 Jun 2018 20:38

Tgt Ion:252 Resp: 37060
Ion Ratio Lower Upper
252 100
253 24.0 17.1 25.7
125 13.5 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 2.379 ng

RT: 17.73 min Scan# 2617

Delta R.T. -0.02 min

Lab File: BF106454.D

Acq: 14 Jun 2018 20:38

Instrument :

BNA_F

ClientSampleId :

TP-10-S

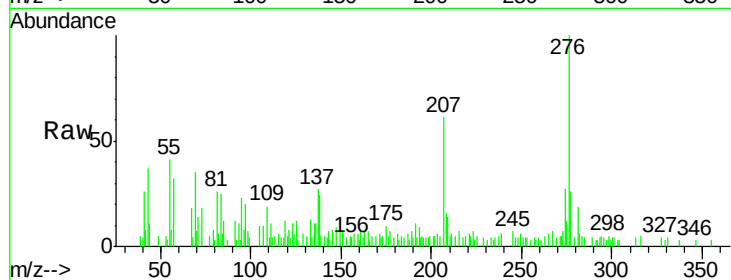
Tgt Ion: 276 Resp: 23732

Ion Ratio Lower Upper

276 100

277 25.5 17.9 26.9

138 24.3 21.8 32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

