

Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102588.D
 Acq On : 29 Jan 2018 10:58
 Operator : SJ/JU
 Sample : J1253-05RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

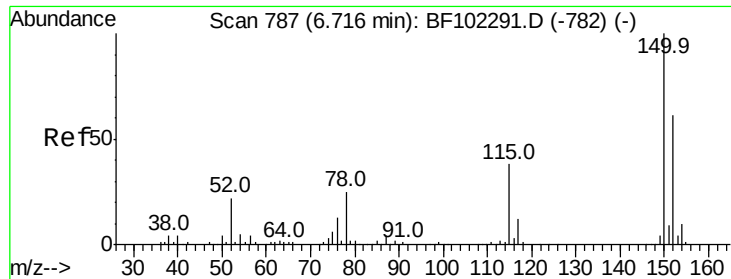
Quant Time: Jan 30 00:03:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	171967	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	708942	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	305592	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	496400	20.00	ng	0.00
75) Chrysene-d12	13.88	240	363999	20.00	ng	0.00
86) Perylene-d12	15.31	264	349835	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	322933	28.47	ng	0.00
7) Phenol-d6	6.36	99	1217315	89.03	ng	0.00
23) Nitrobenzene-d5	7.28	82	960883	77.89	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	39508	13.05	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1435609	69.07	ng	0.00
78) Terphenyl-d14	12.82	244	1023993	63.42	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.37	94	58023	3.887	ng	95
19) n-Nitroso-di-n-propylamine	7.28	70	124597	14.890	ng	# 79
25) Isophorone	7.28	82	957759	43.548	ng	# 64
49) Dimethylphthalate	9.46	163	234561	9.286	ng	98
53) 2,4-Dinitrophenol	10.03	184	135	3.748	ng	# 26
70) Phenanthrene	11.26	178	267030	9.231	ng	99
71) Anthracene	11.31	178	63615	2.155	ng	98
74) Fluoranthene	12.44	202	444047	15.054	ng	99
77) Pyrene	12.67	202	388832	13.816	ng	99
80) Benzo(a)anthracene	13.87	228	219053	9.775	ng	98
82) Chrysene	13.90	228	222578	9.780	ng	99
83) Bis(2-ethylhexyl)phthalate	13.84	149	59135	3.142	ng	99
84) Di-n-octyl phthalate	14.46	149	73087	2.388	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.72	276	105213	5.598	ng	97
87) Benzo(b)fluoranthene	14.90	252	383402	16.909	ng	# 90
88) Benzo(k)fluoranthene	14.90	252	383402	17.897	ng	# 93
89) Benzo(a)pyrene	15.25	252	202386	9.897	ng	# 91
91) Benzo(g,h,i)perylene	17.14	276	94904	5.802	ng	# 89

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

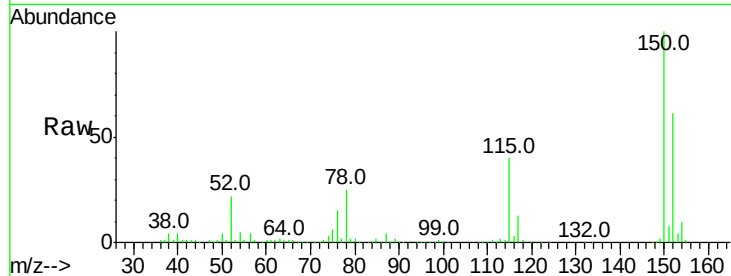


#1

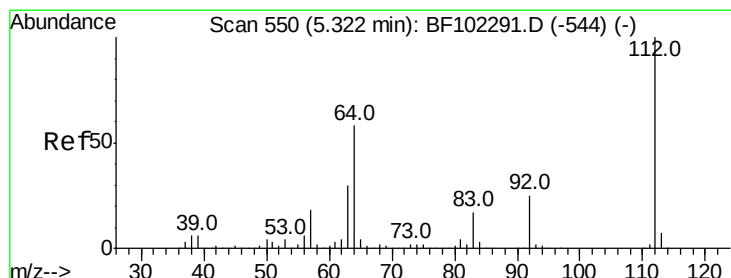
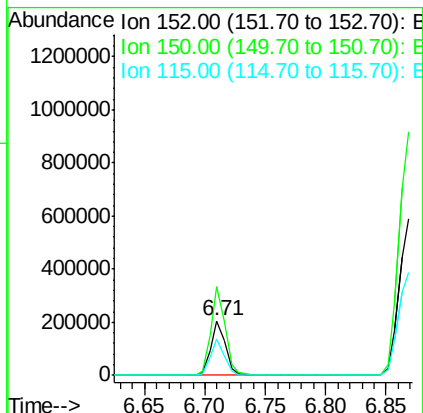
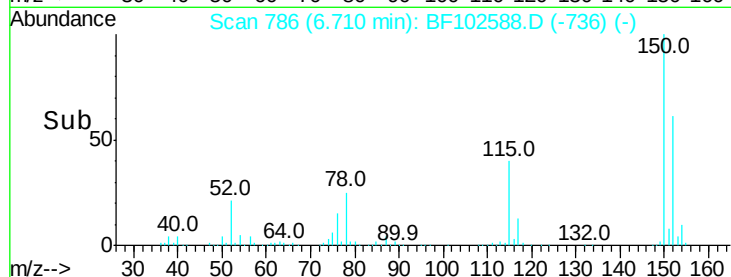
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 171967
Ion Ratio Lower Upper
152 100
150 163.9 124.6 186.8
115 65.8 50.1 75.1



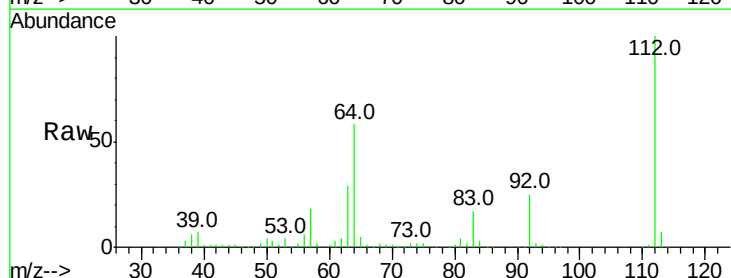
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



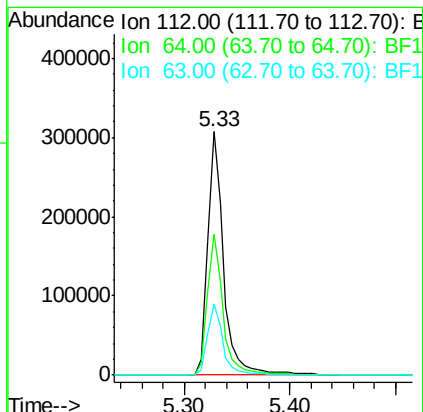
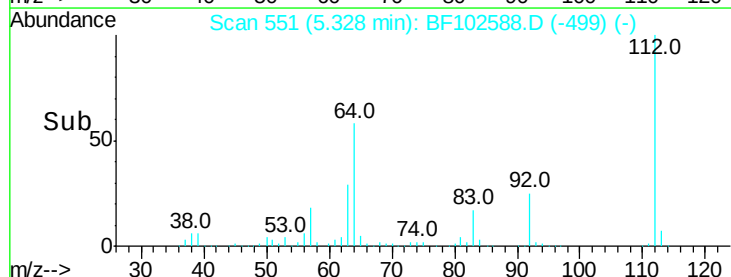
#5

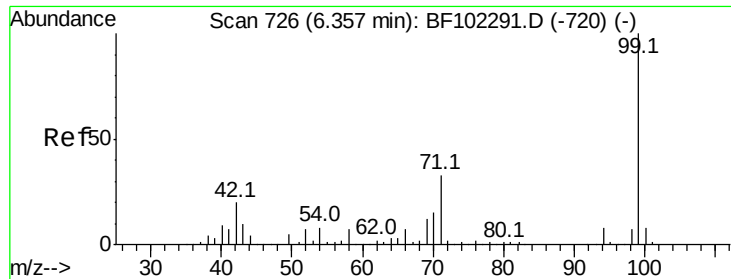
2-Fluorophenol
Concen: 28.474 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Tgt Ion:112 Resp: 322933
Ion Ratio Lower Upper
112 100
64 58.1 47.9 71.9
63 29.3 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: 89.029 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

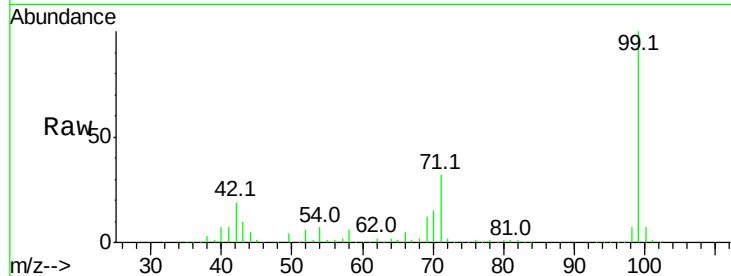
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1217315

Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.5	21.7
71	32.4	25.4	38.0

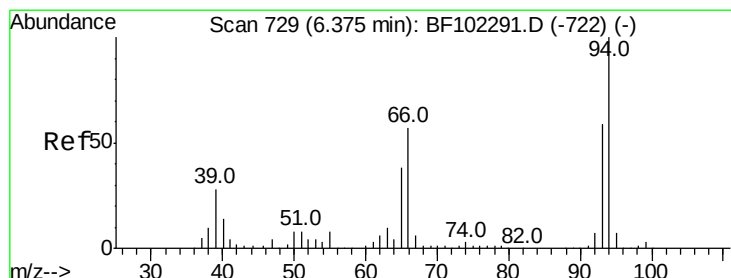
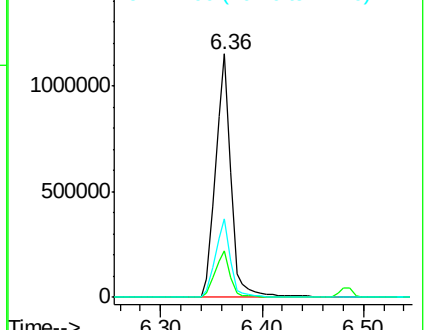
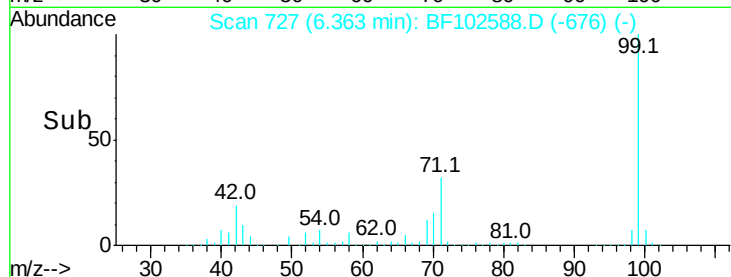


Abundance

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



#10

Phenol

Concen: 3.887 ng

RT: 6.37 min Scan# 729

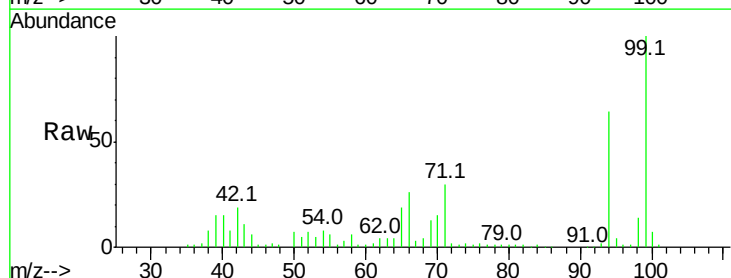
Delta R.T. -0.00 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

Tgt Ion: 94 Resp: 58023

Ion	Ratio	Lower	Upper
94	100		
65	29.4	7.9	47.9
66	40.4	16.2	56.2

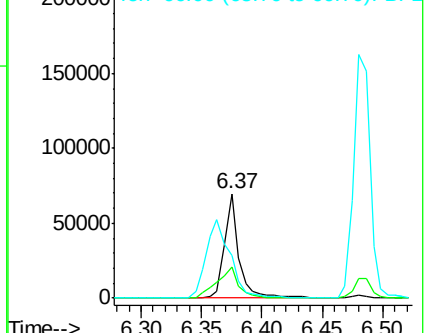
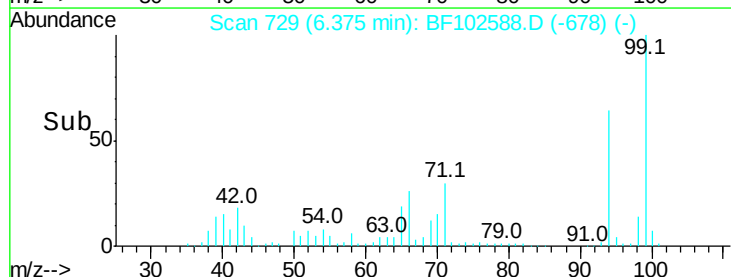


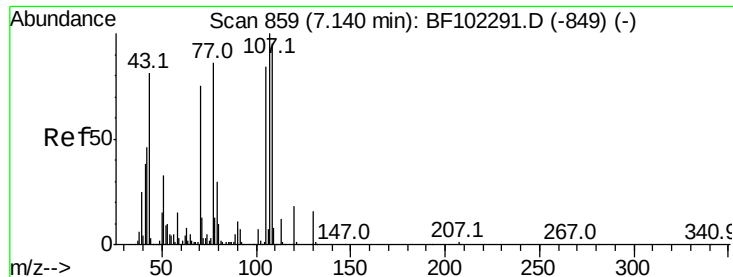
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

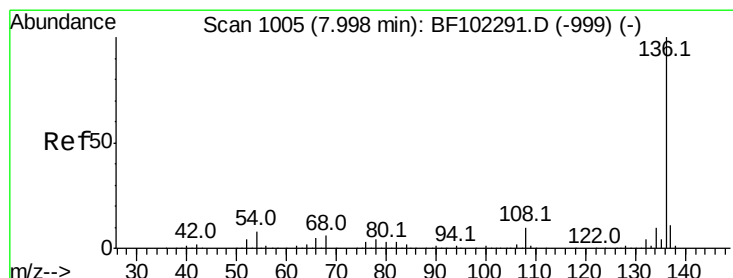
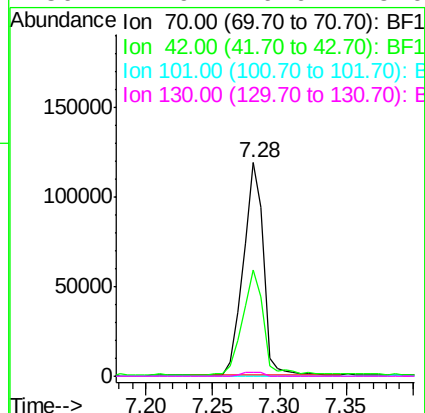
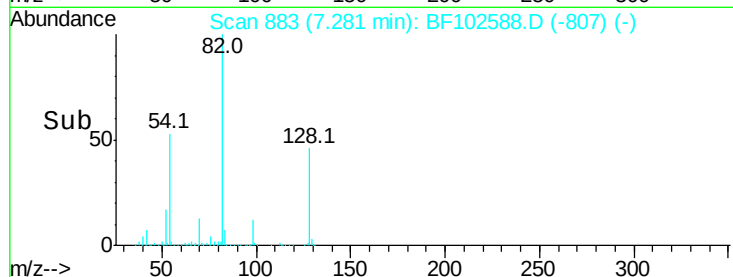
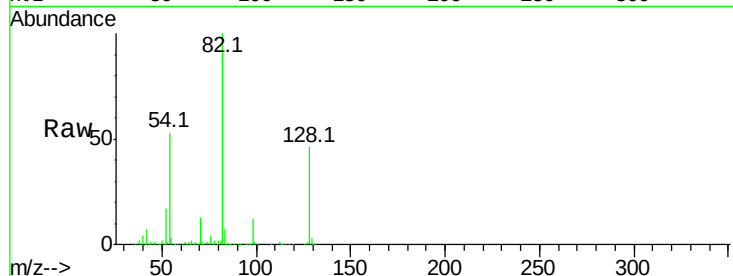




#19
n-Nitroso-di-n-propylamine
Concen: 14.890 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.15 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

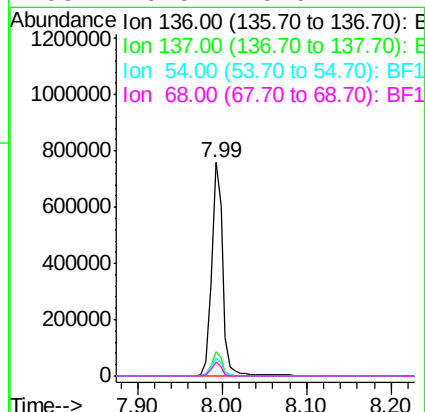
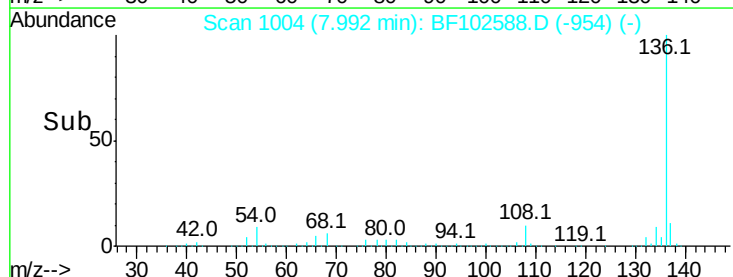
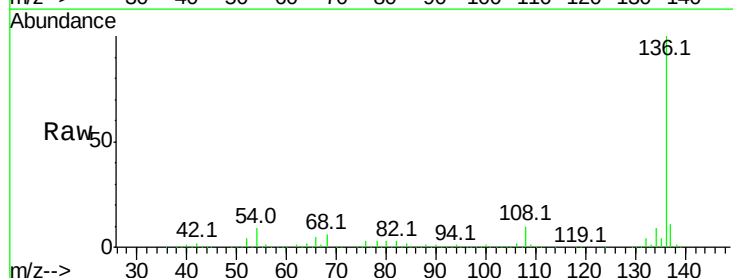
Instrument :
BNA_F
ClientSampleId :

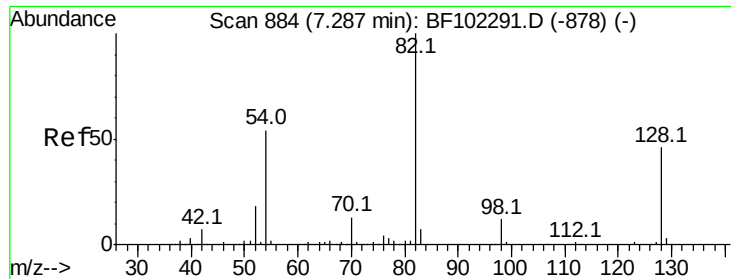
Tot Ion: 70 Resp: 124597
Ion Ratio Lower Upper
70 100
42 49.7 47.5 71.3
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Tgt Ion:136 Resp: 708942
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.5 6.6 9.8
68 6.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 77.889 ng

RT: 7.28 min Scan# 883

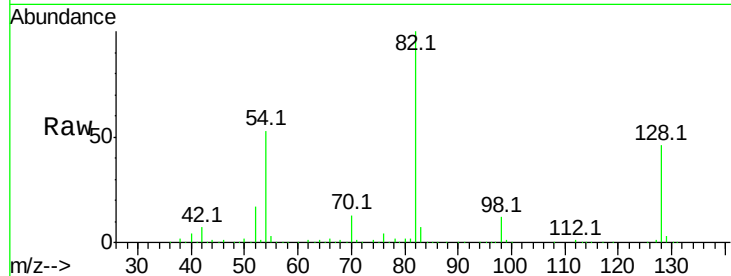
Delta R.T. -0.01 min

Lab File: BF102588.D

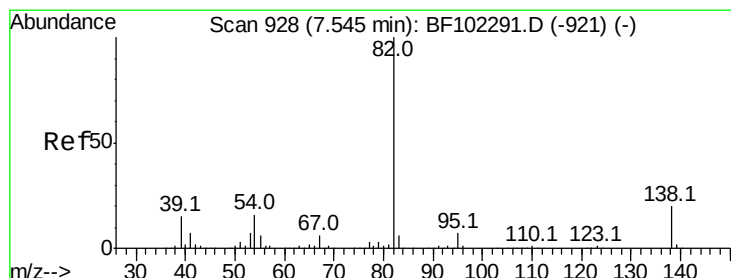
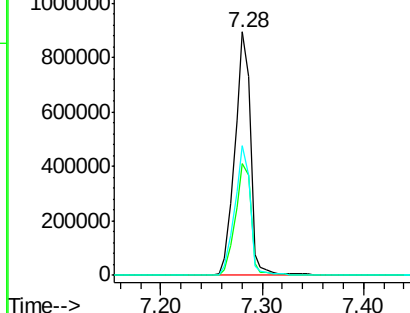
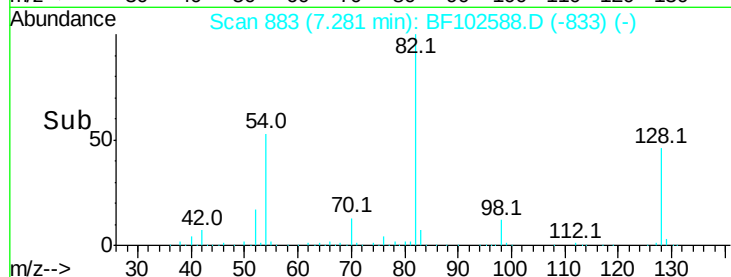
Acq: 29 Jan 2018 10:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:	82	Resp:	960883
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	53.3	41.4	62.2



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



#25

Isophorone

Concen: 43.548 ng

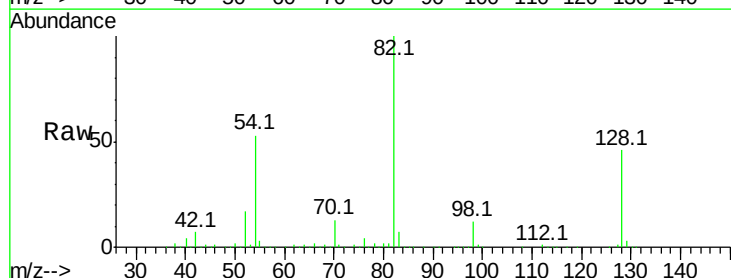
RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

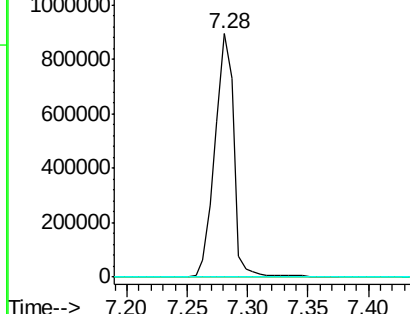
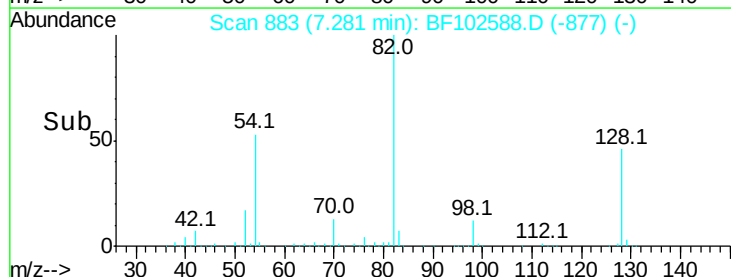
Lab File: BF102588.D

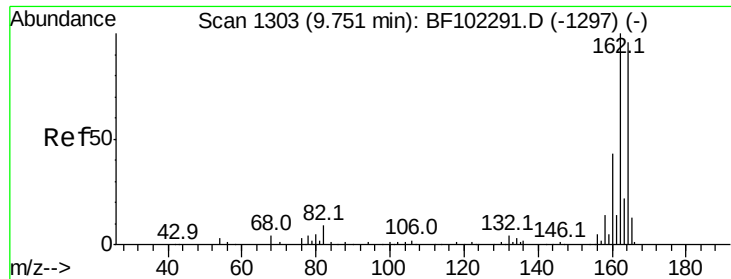
Acq: 29 Jan 2018 10:58

Tgt Ion:	82	Resp:	957759
Ion	Ratio	Lower	Upper
82	100		
95	0.1	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: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

Instrument :

BNA_F

ClientSampled :

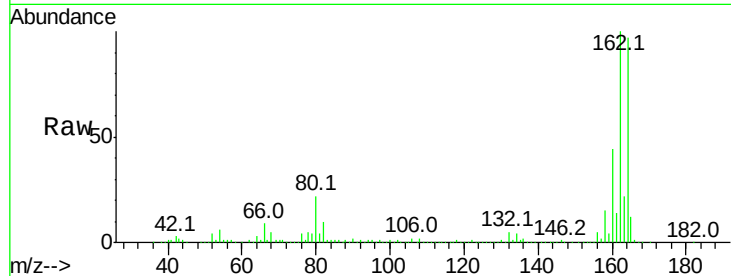
Tot Ion:164 Resp: 305592

Ion Ratio Lower Upper

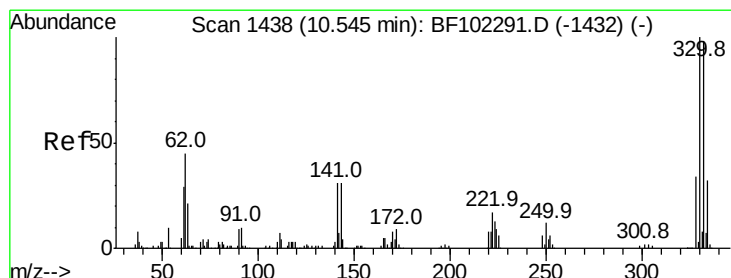
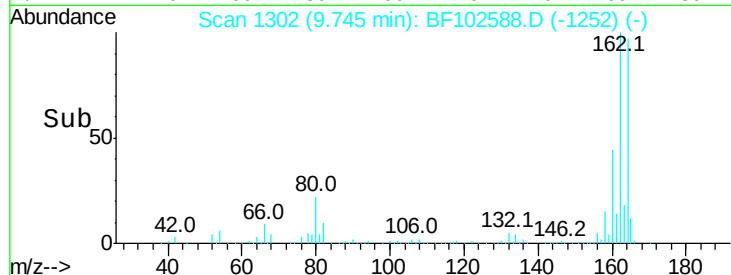
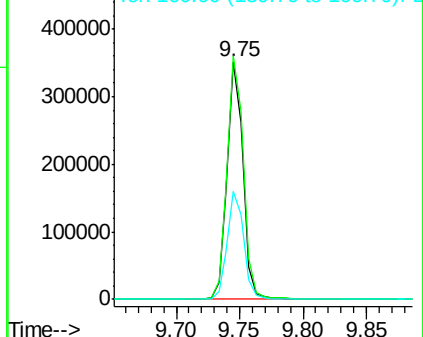
164 100

162 102.6 86.1 129.1

160 45.3 38.3 57.5



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: 13.048 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

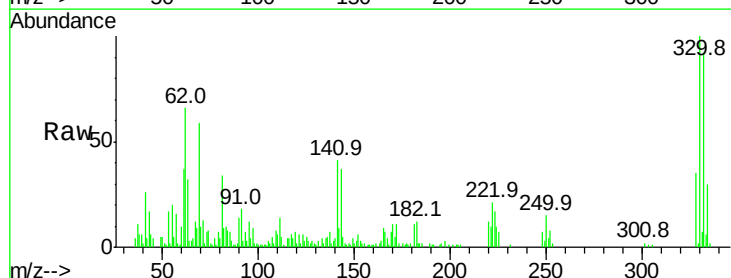
Tgt Ion:330 Resp: 39508

Ion Ratio Lower Upper

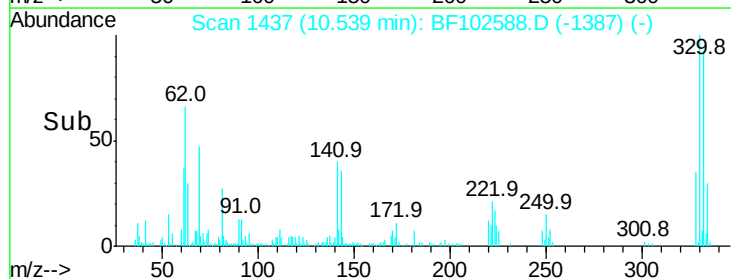
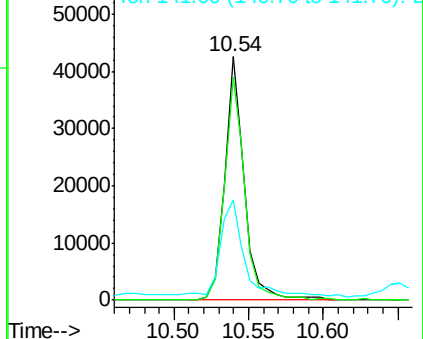
330 100

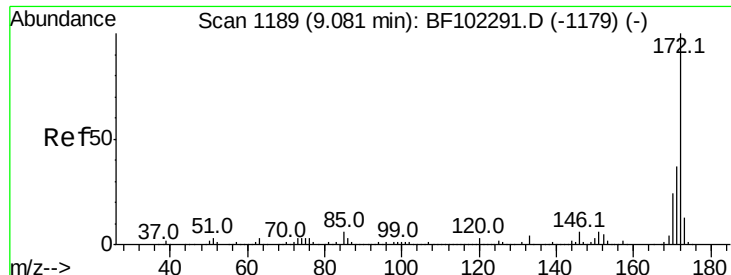
332 94.0 77.0 115.6

141 49.8 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

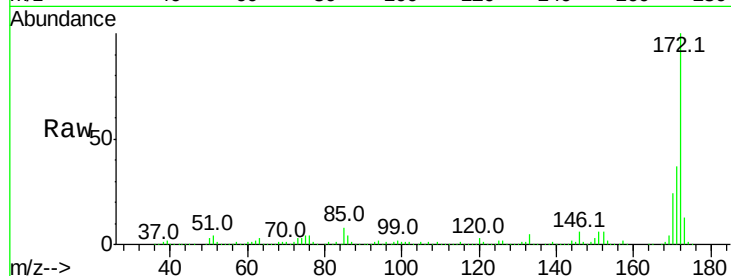




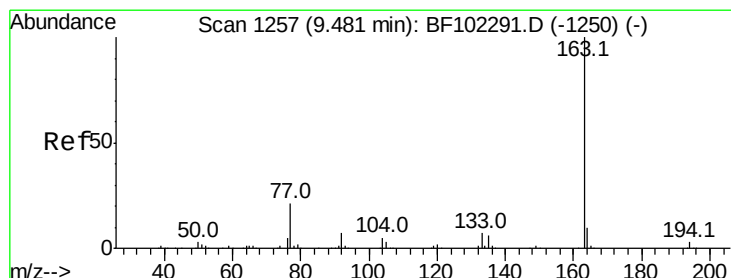
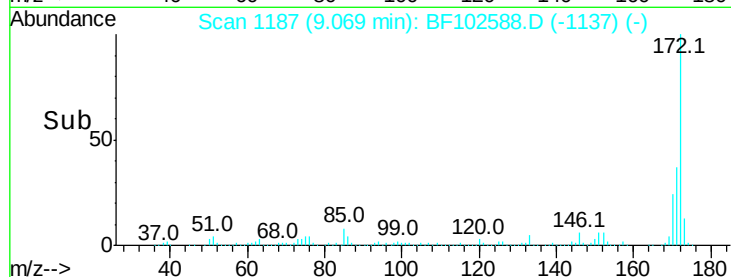
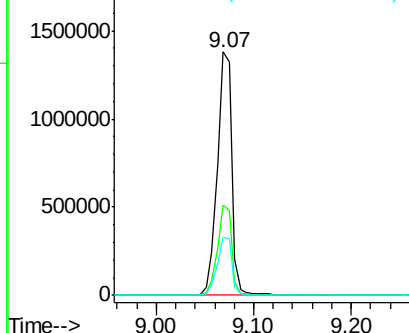
#44
2-Fluorobiphenyl
Concen: 69.074 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1435609
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 24.0 19.6 29.4

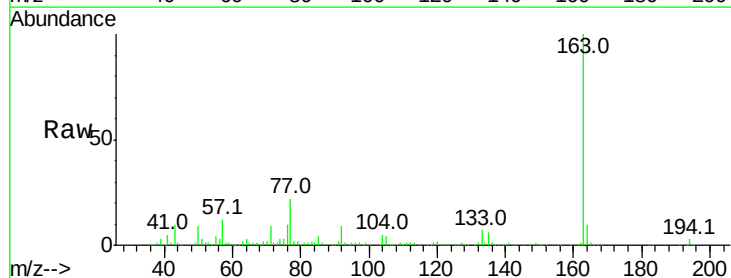


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

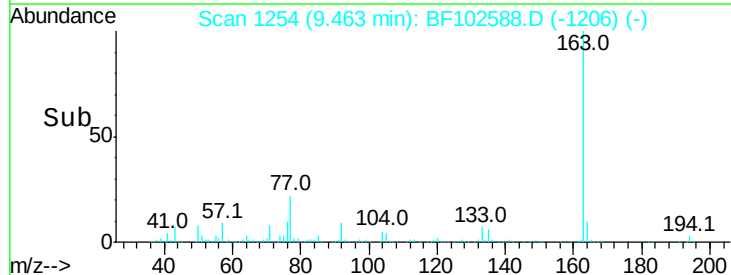
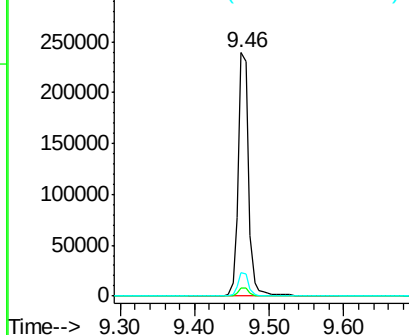


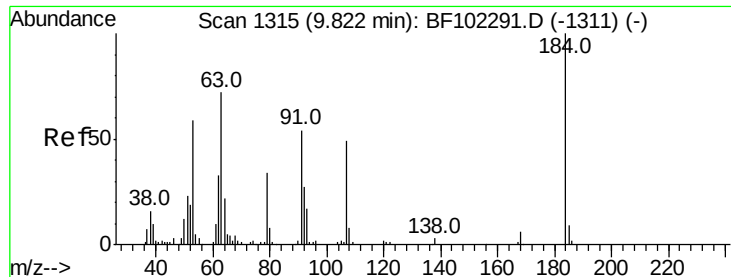
#49
Dimethylphthalate
Concen: 9.286 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Tgt Ion:163 Resp: 234561
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 9.5 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

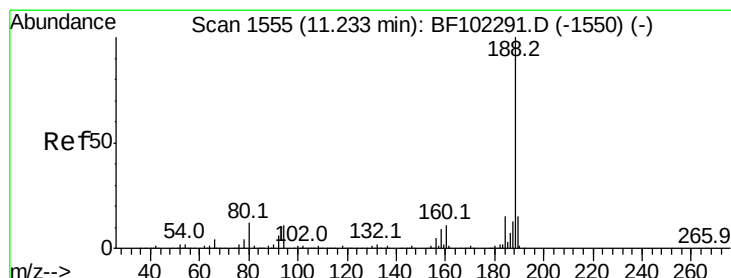
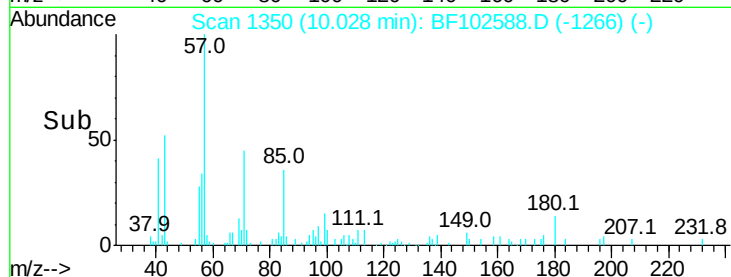
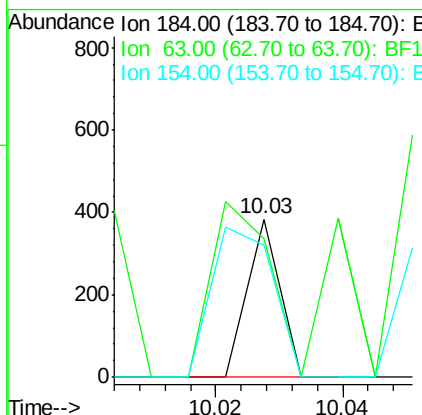
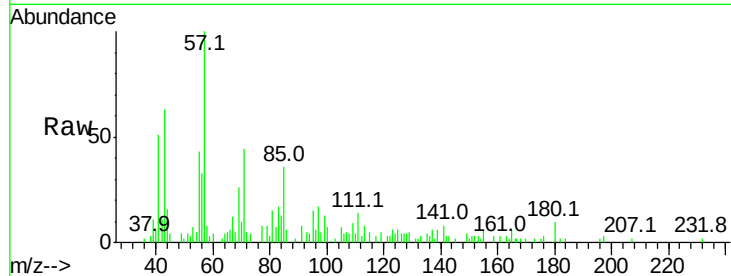




#53
 2,4-Dinitrophenol
 Concen: 3.748 ng
 RT: 10.03 min Scan# 1350
 Delta R.T. 0.19 min
 Lab File: BF102588.D
 Acq: 29 Jan 2018 10:58

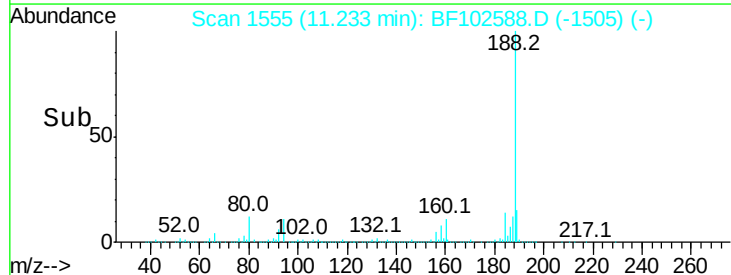
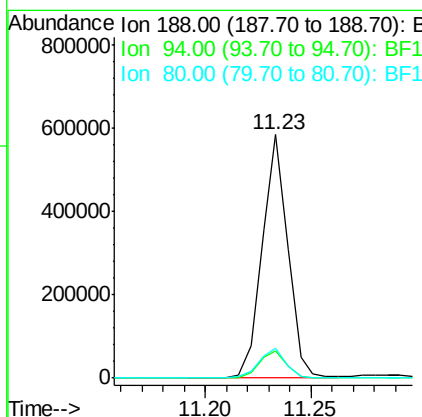
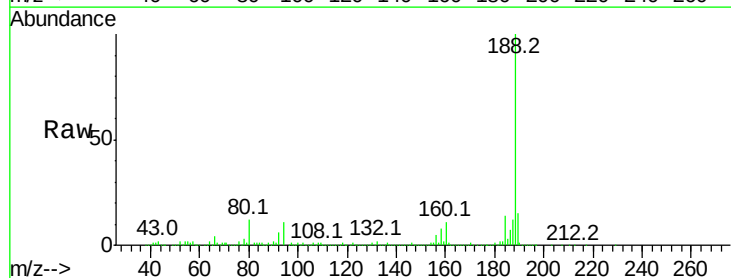
Instrument :
 BNA_F
 ClientSampleId :

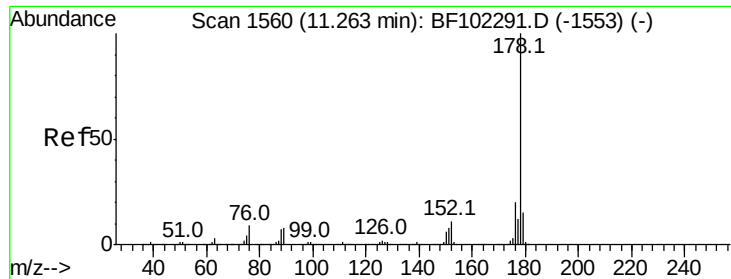
Tot Ion:184 Resp: 135
 Ion Ratio Lower Upper
 184 100
 63 87.8 54.2 81.2#
 154 83.3 184.0 276.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102588.D
 Acq: 29 Jan 2018 10:58

Tgt Ion:188 Resp: 496400
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 12.0 9.2 13.8





#70

Phenanthrene

Concen: 9.231 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

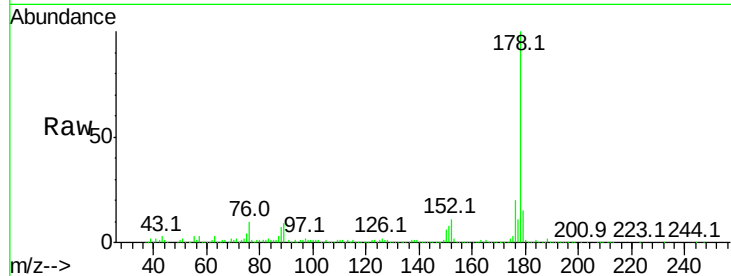
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 267030

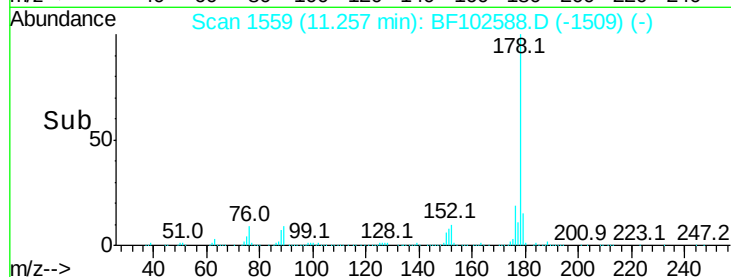
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.5	13.0	19.6



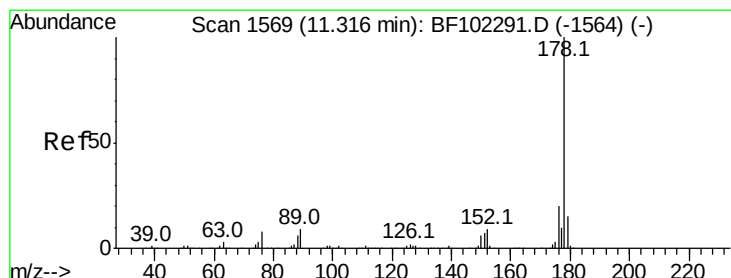
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.15 11.20 11.25 11.30



#71

Anthracene

Concen: 2.155 ng

RT: 11.31 min Scan# 1568

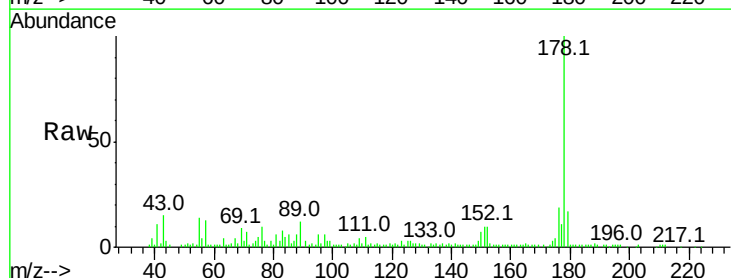
Delta R.T. -0.01 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

Tgt Ion:178 Resp: 63615

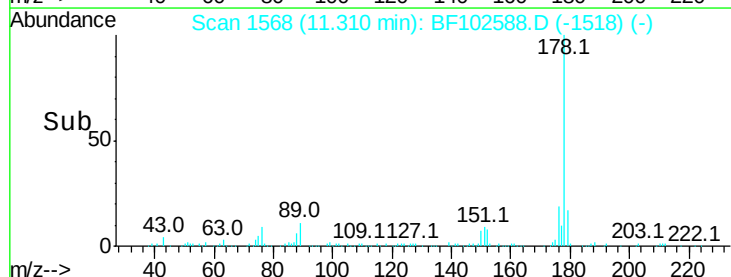
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	17.5	12.6	19.0



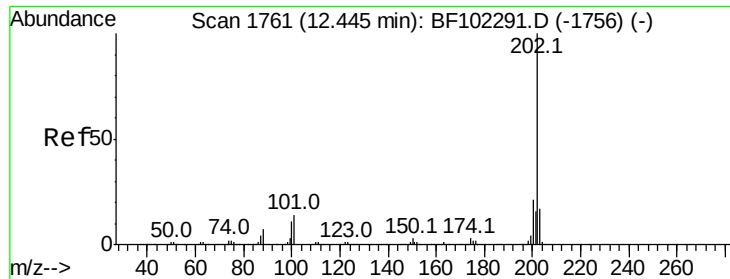
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.30 11.35



#74

Fluoranthene

Concen: 15.054 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

Instrument :

BNA_F

ClientSampleId :

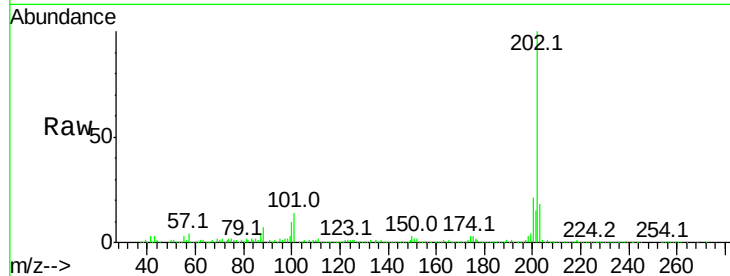
Tot Ion:202 Resp: 444047

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

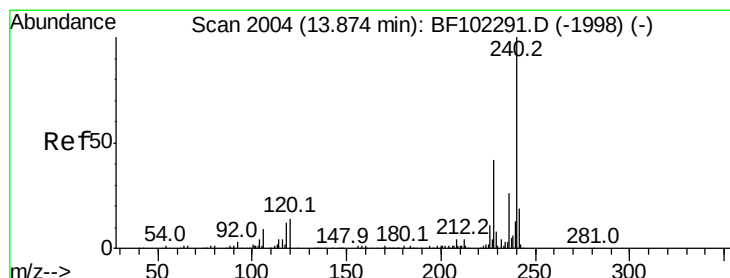
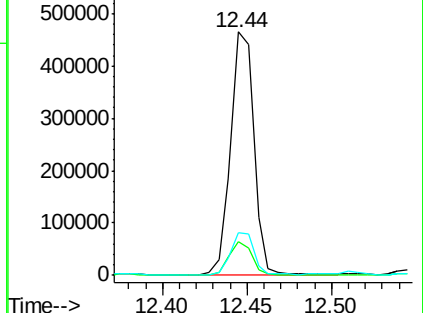
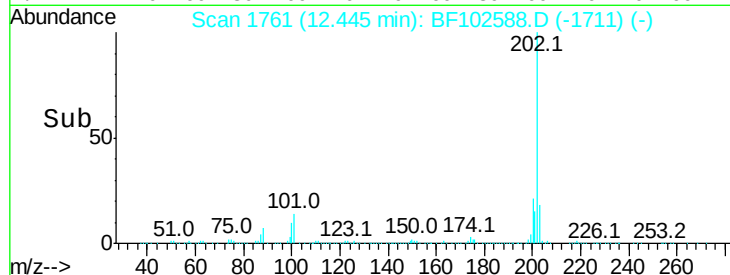
203 17.7 0.0 38.1



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: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

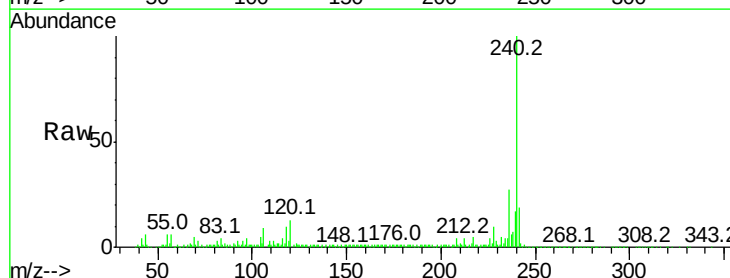
Tgt Ion:240 Resp: 363999

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

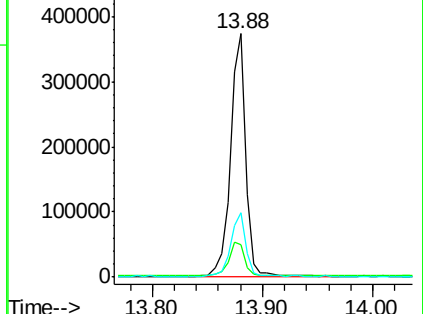
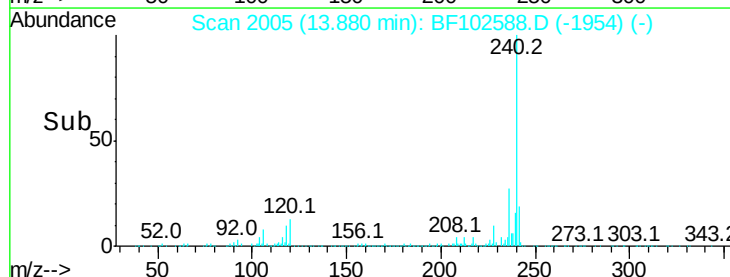
236 26.7 20.7 31.1

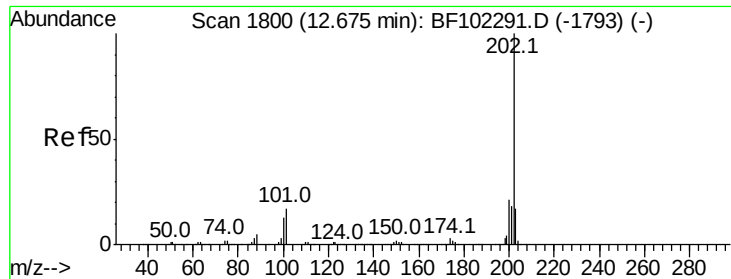


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.816 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

Instrument :

BNA_F

ClientSampleId :

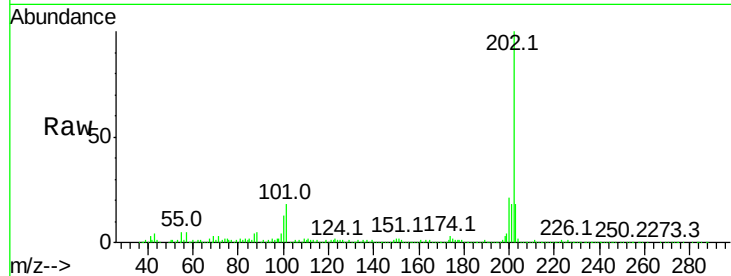
Tot Ion:202 Resp: 388832

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

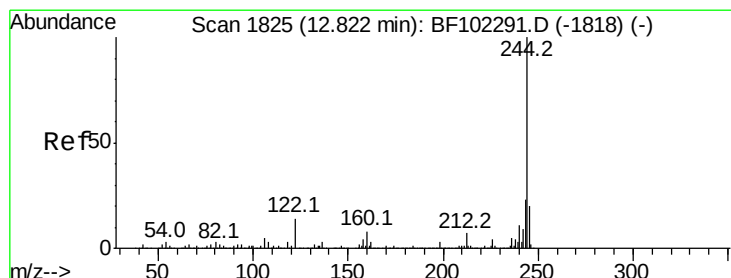
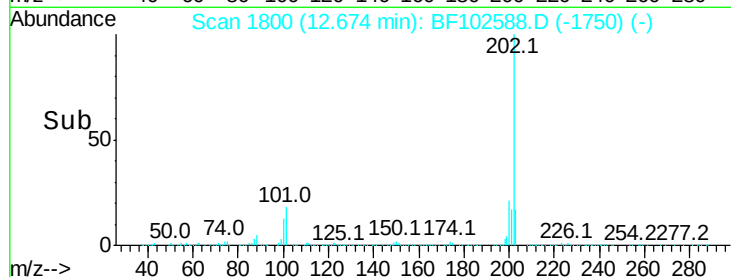
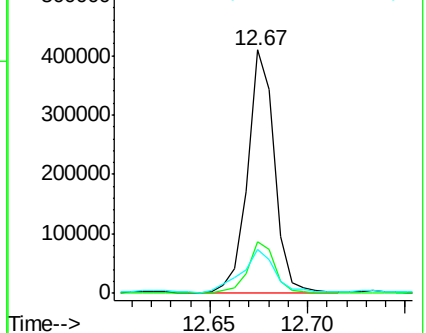
203 17.9 14.3 21.5



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: 63.419 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

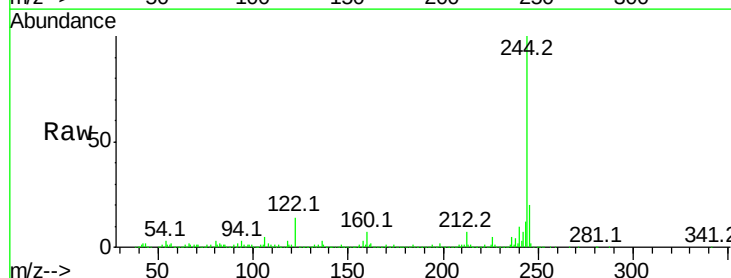
Tgt Ion:244 Resp: 1023993

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

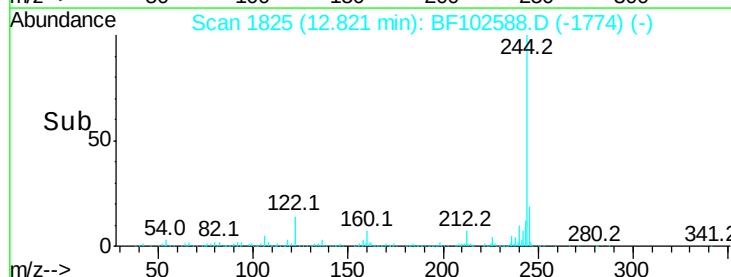
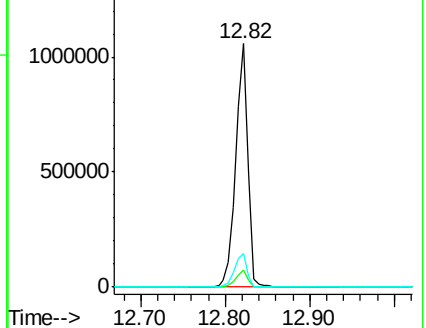
122 13.8 11.0 16.4

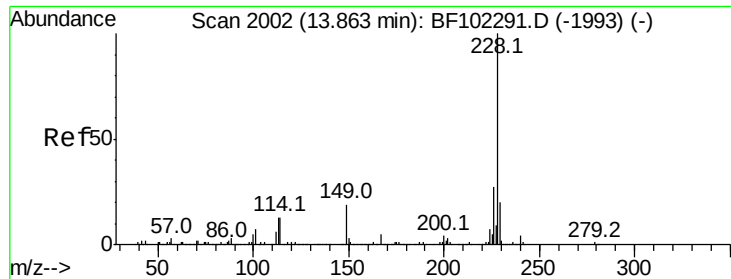


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

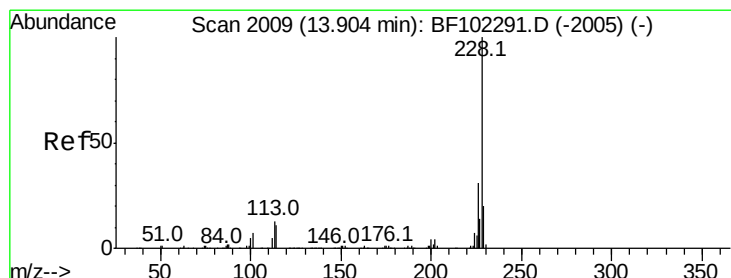
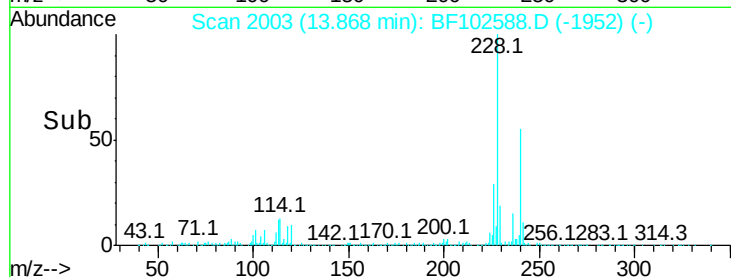
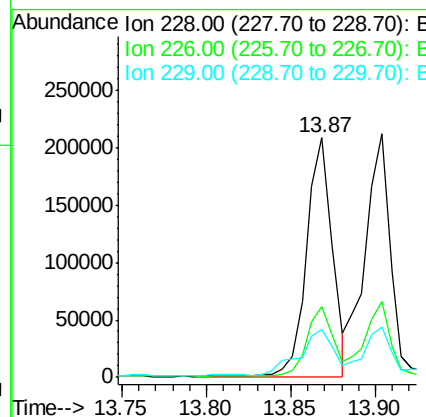
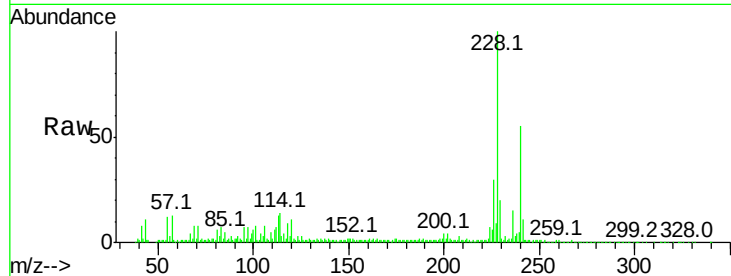




#80
Benzo(a)anthracene
Concen: 9.775 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

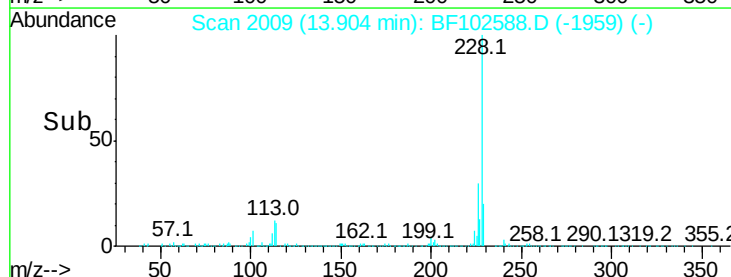
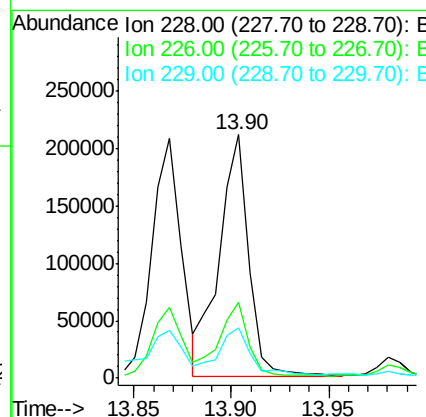
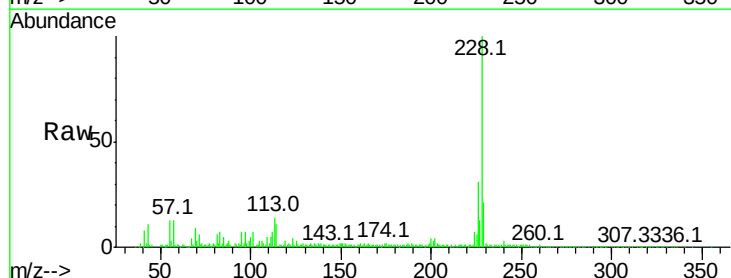
Instrument :
BNA_F
ClientSampleId :

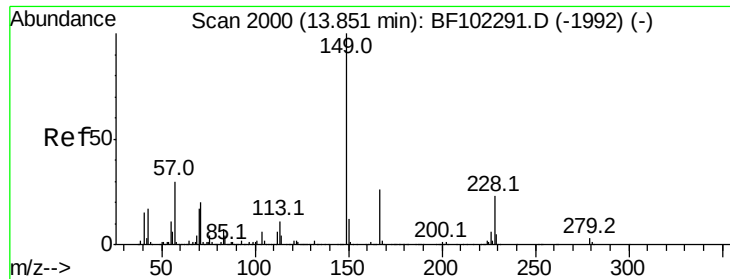
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	20.2	15.8	23.6



#82
Chrysene
Concen: 9.780 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	20.9	16.2	24.4

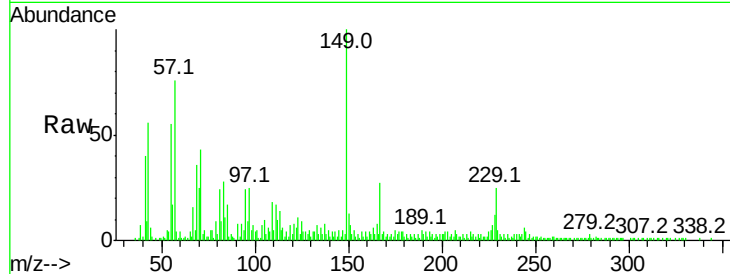




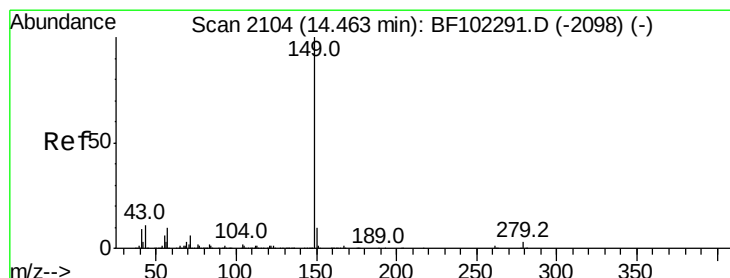
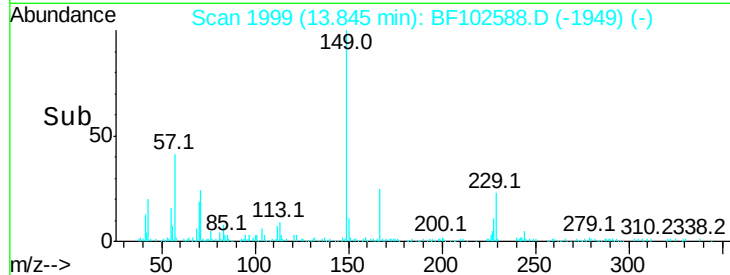
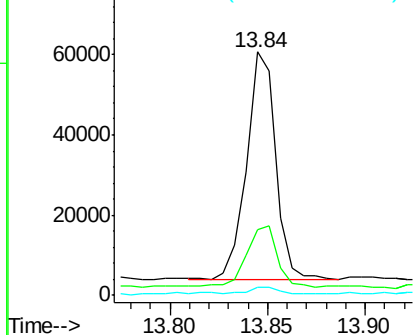
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.142 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. -0.01 min
 Lab File: BF102588.D
 Acq: 29 Jan 2018 10:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.3	31.9
279	3.1	3.0	4.4

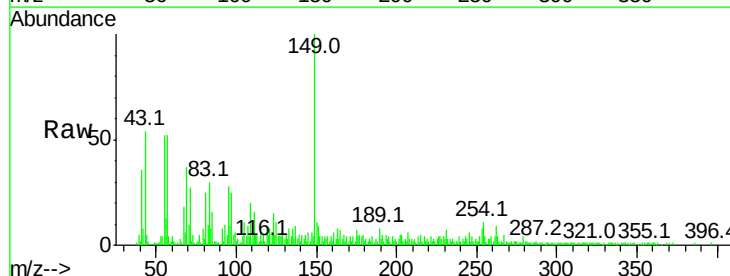


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

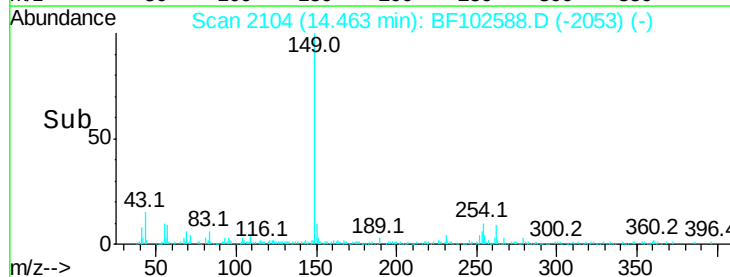
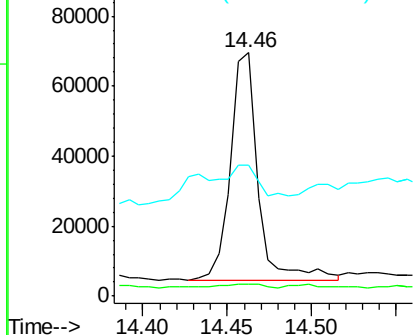


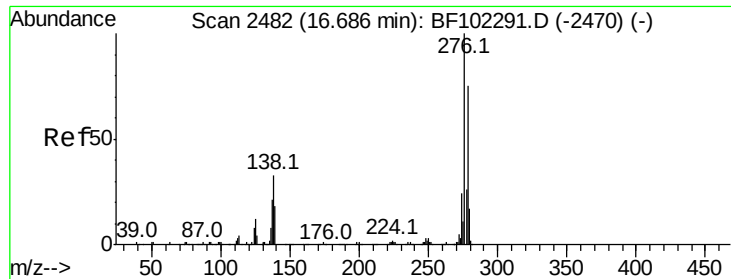
#84
 Di-n-octyl phthalate
 Concen: 2.388 ng
 RT: 14.46 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: BF102588.D
 Acq: 29 Jan 2018 10:58

Tgt Ion	Ratio	Lower	Upper
149	100		
167	2.1	1.2	1.8#
43	14.2	8.4	12.6#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF1





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.598 ng

RT: 16.72 min Scan# 2487

Delta R.T. 0.01 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

Instrument :

BNA_F

ClientSampleId :

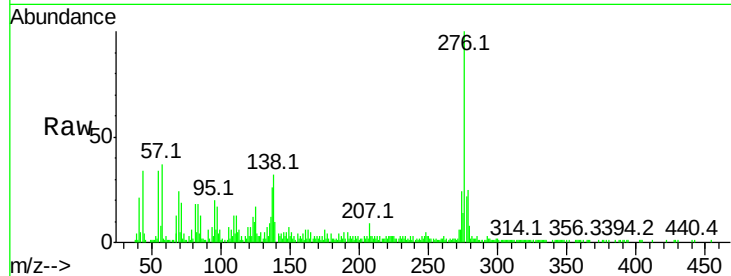
Tot Ion:276 Resp: 105213

Ion Ratio Lower Upper

276 100

138 30.8 25.0 37.6

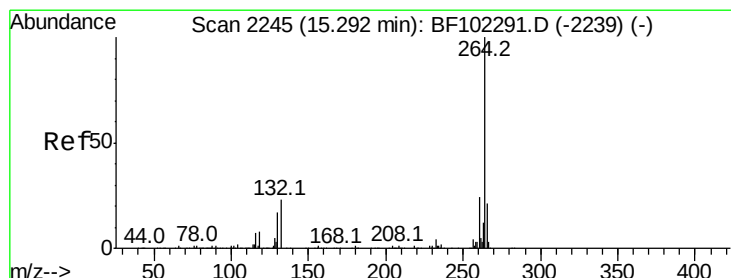
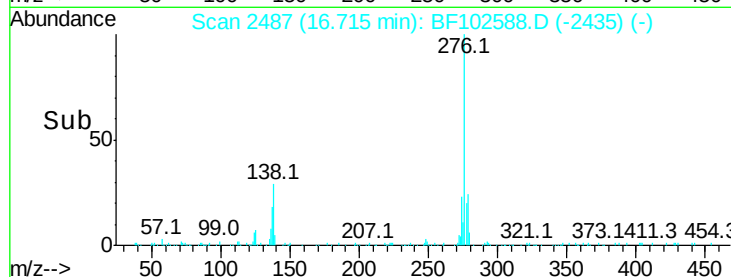
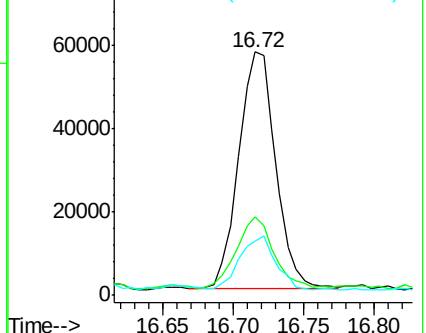
277 21.9 20.1 30.1



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: 15.31 min Scan# 2248

Delta R.T. 0.01 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

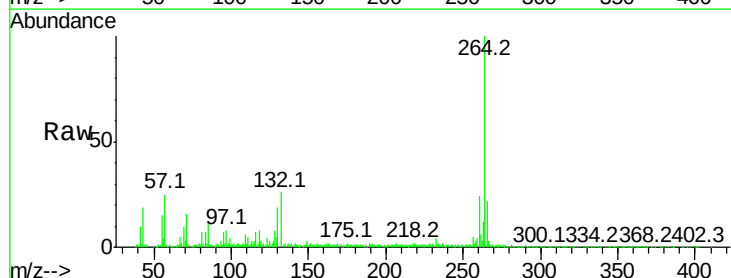
Tgt Ion:264 Resp: 349835

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

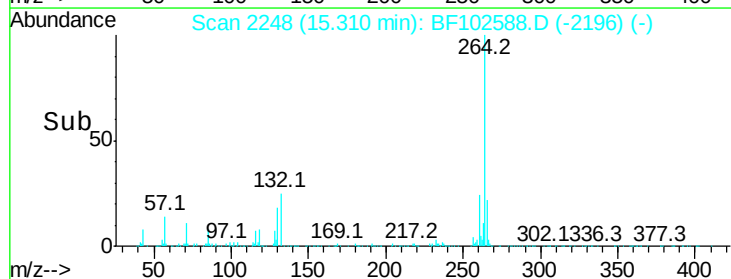
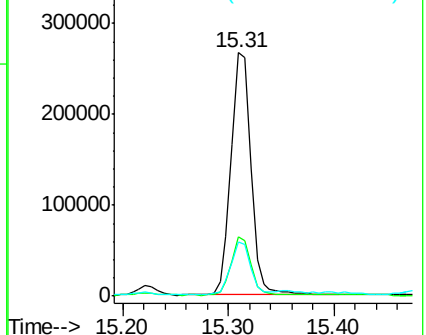
265 22.2 17.5 26.3

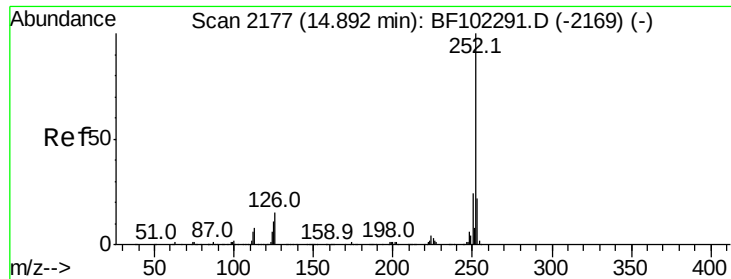


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

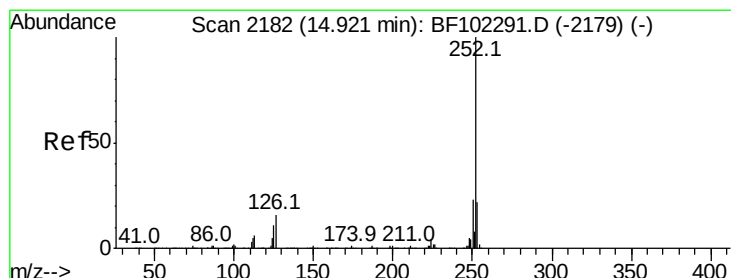
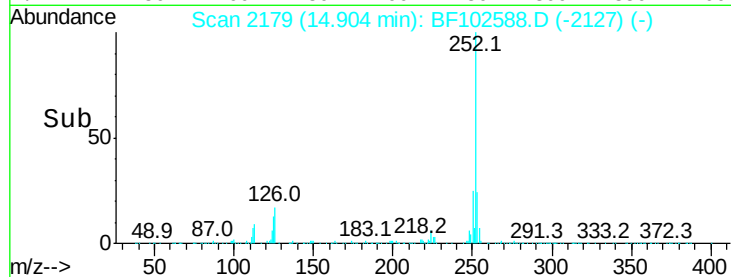
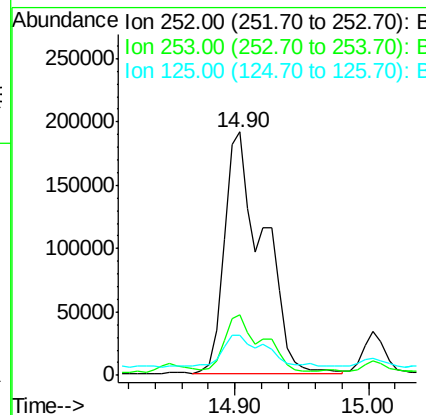
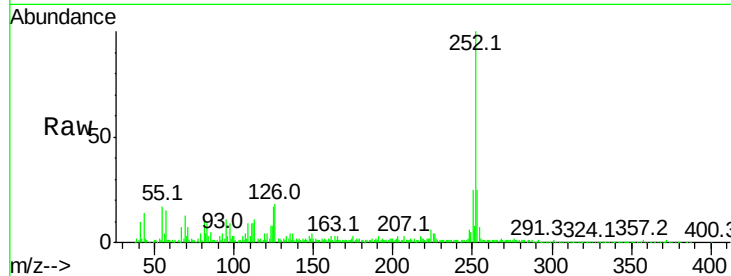




#87
Benzo(b)fluoranthene
Concen: 16.909 ng
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

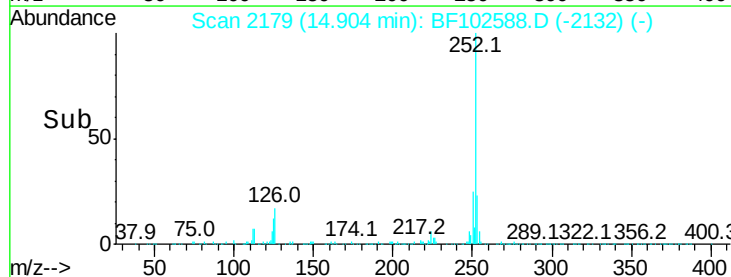
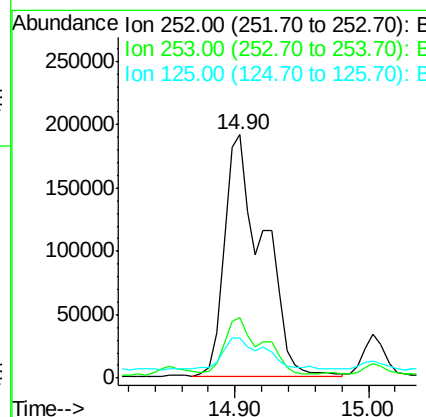
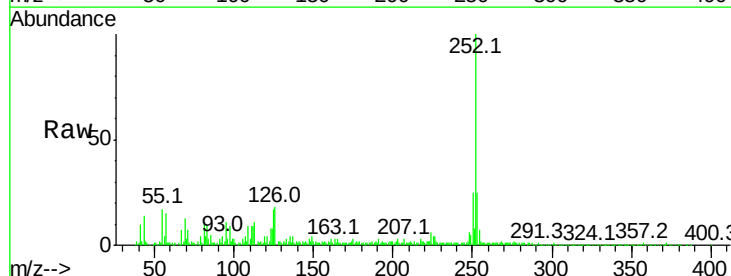
Instrument :
BNA_F
ClientSampleId :

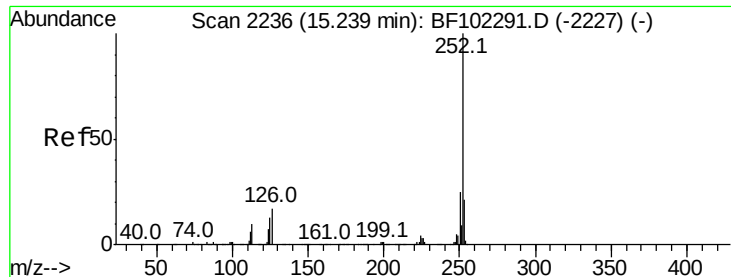
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	16.6	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 17.897 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	16.6	10.2	15.2





#89

Benzo(a)pyrene

Concen: 9.897 ng

RT: 15.25 min Scan# 2238

Delta R.T. -0.00 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

Instrument :

BNA_F

ClientSampleId :

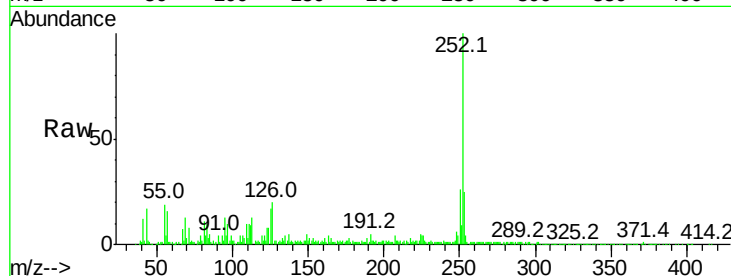
Tot Ion:252 Resp: 202386

Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

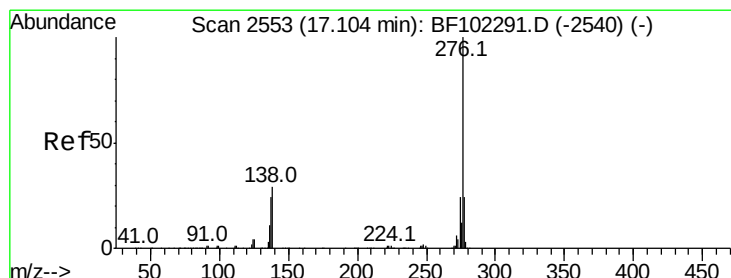
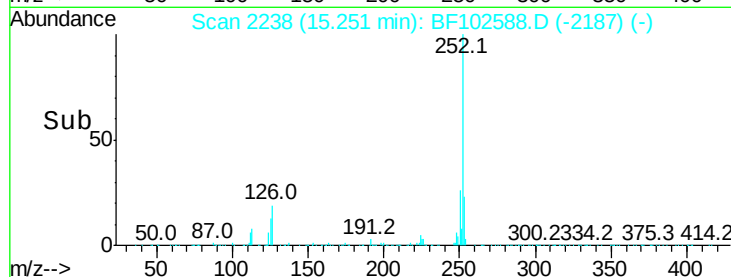
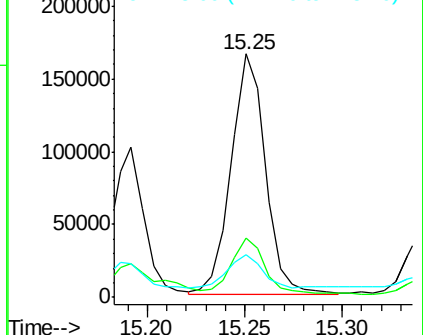
125 17.4 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 5.802 ng

RT: 17.14 min Scan# 2560

Delta R.T. 0.01 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

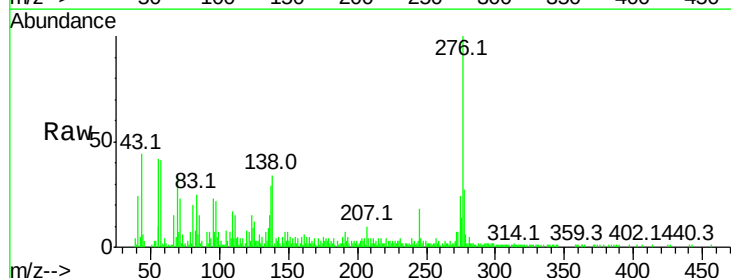
Tgt Ion:276 Resp: 94904

Ion Ratio Lower Upper

276 100

277 27.1 17.9 26.9#

138 33.9 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

