

Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\
 Data File : BF102124.D
 Acq On : 16 Jan 2018 21:56
 Operator : SJ/JU
 Sample : J1014-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 17 02:27:57 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

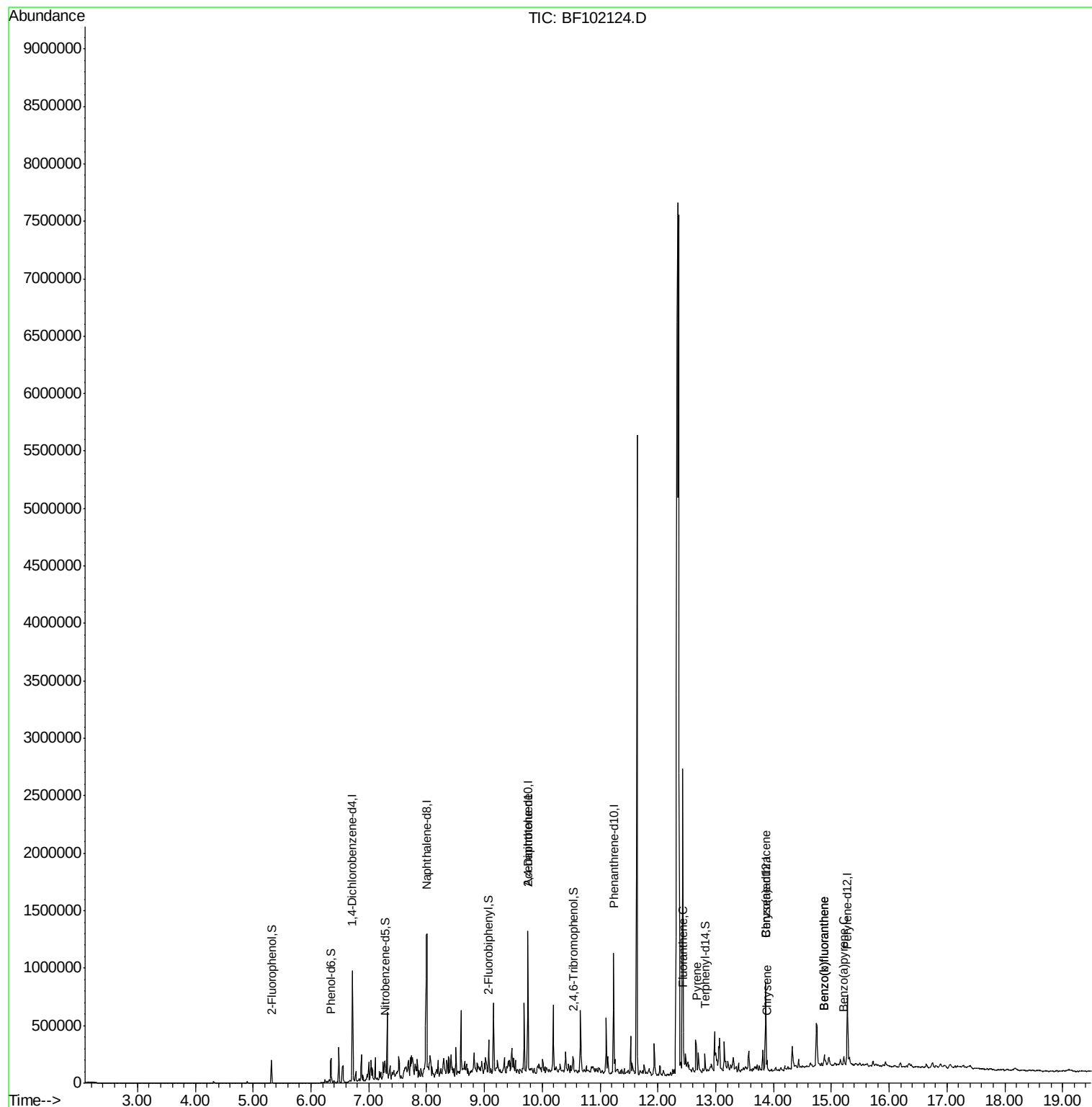
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	140770	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	544724	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	233698	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	347878	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	244081	20.00	ng	-0.02
86) Perylene-d12	15.28	264	259588	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	54395	5.46	ng	-0.01
7) Phenol-d6	6.35	99	65726	5.53	ng	-0.02
23) Nitrobenzene-d5	7.27	82	40334	4.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	12035	5.90	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	76725	5.13	ng	-0.02
78) Terphenyl-d14	12.82	244	47844	4.07	ng	-0.02
Target Compounds						
56) 2,4-Dinitrotoluene	9.75	165	33051	7.042	ng	Qvalue # 24
74) Fluoranthene	12.44	202	66875	3.345	ng	95
77) Pyrene	12.67	202	65238	3.024	ng	98
80) Benzo(a)anthracene	13.86	228	35237	2.263	ng	95
82) Chrysene	13.89	228	34076	2.098	ng	94
87) Benzo(b)fluoranthene	14.87	252	61681	3.644	ng	94
88) Benzo(k)fluoranthene	14.87	252	61681	3.778	ng	97
89) Benzo(a)pyrene	15.22	252	33789	2.218	ng	# 96

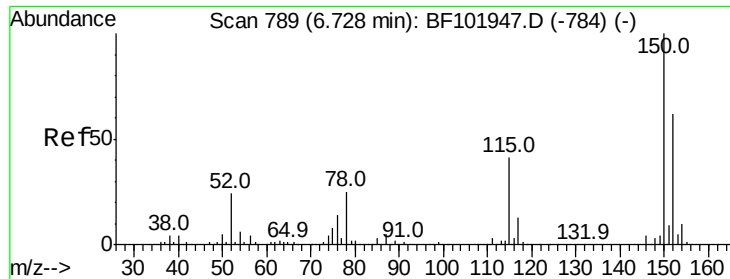
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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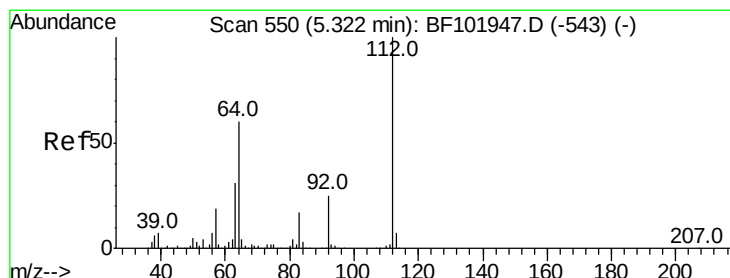
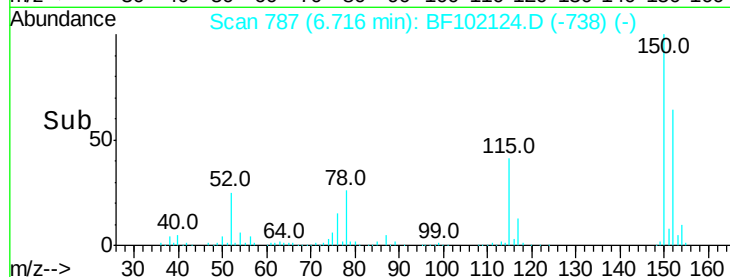
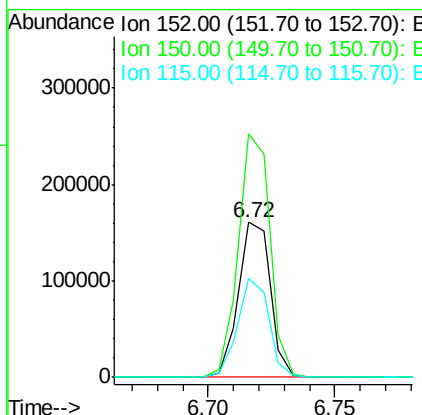
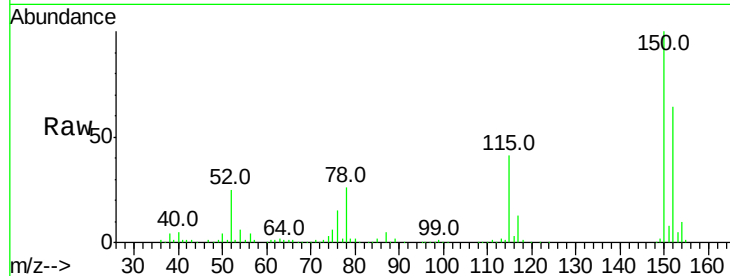


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Instrument :
BNA_F
ClientSampleId :

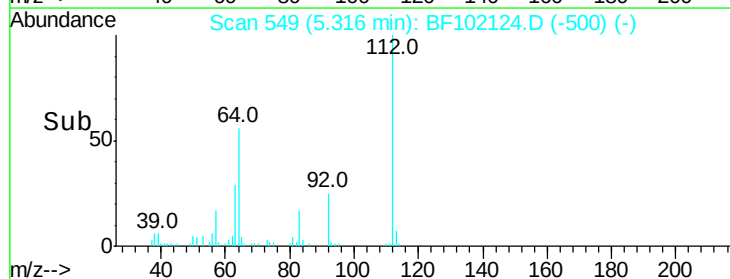
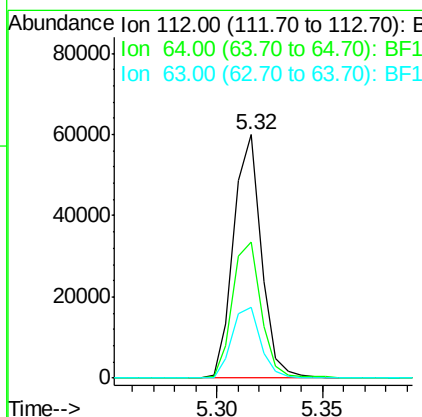
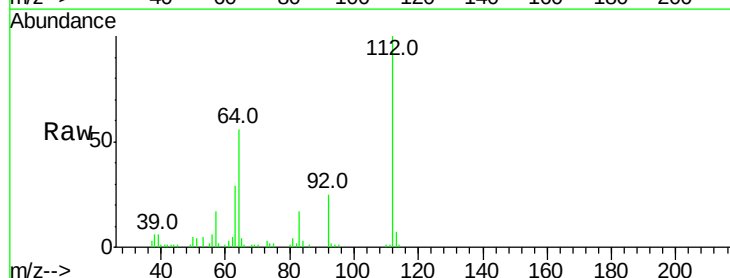
Tot Ion:152 Resp: 140770
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 64.3 50.1 75.1

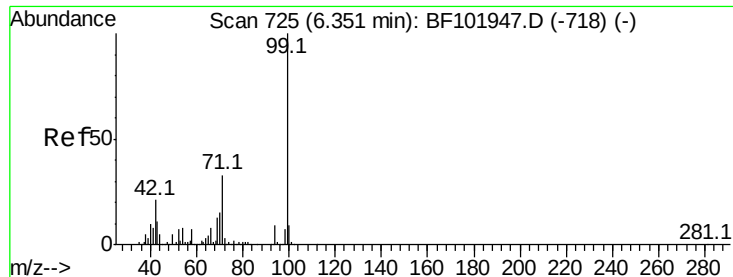


#5

2-Fluorophenol
Concen: 5.456 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Tgt Ion:112 Resp: 54395
Ion Ratio Lower Upper
112 100
64 55.9 47.9 71.9
63 29.2 23.7 35.5





#7

Phenol-d6

Concen: 5.526 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF102124.D

Acq: 16 Jan 2018 21:56

Instrument :

BNA_F

ClientSampleId :

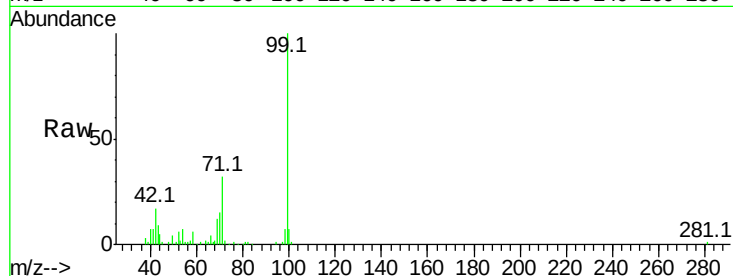
Tot Ion: 99 Resp: 65726

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

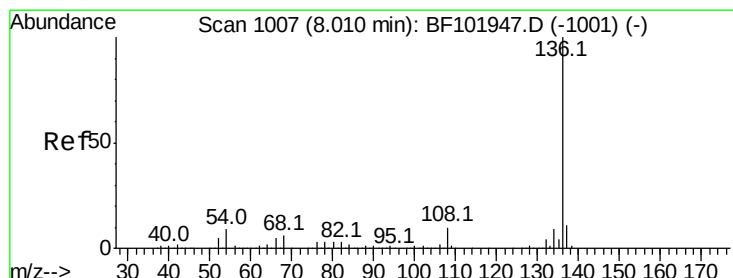
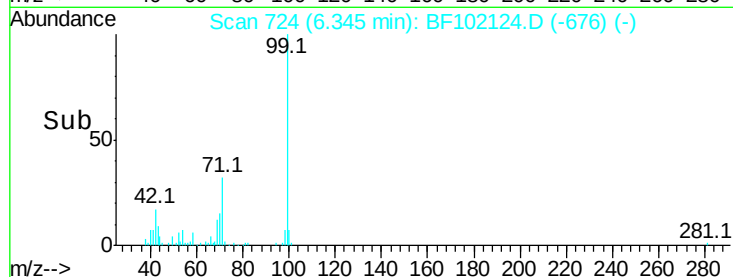
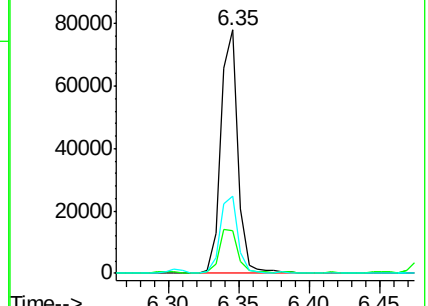
71 31.6 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF102124.D

Acq: 16 Jan 2018 21:56

Tgt Ion: 136 Resp: 544724

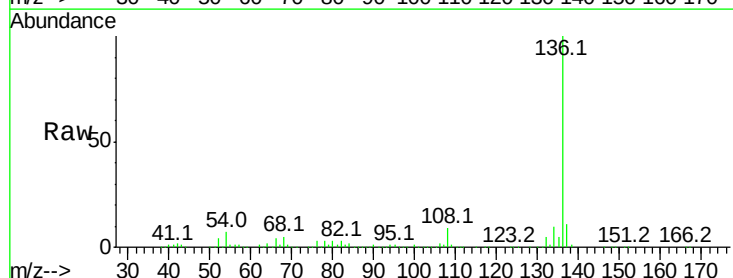
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.9 6.6 9.8

68 4.9 5.0 7.4#

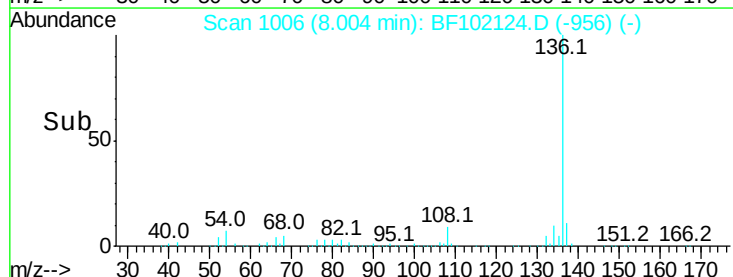
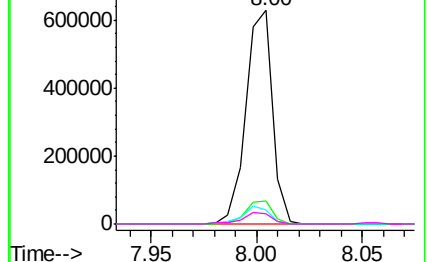


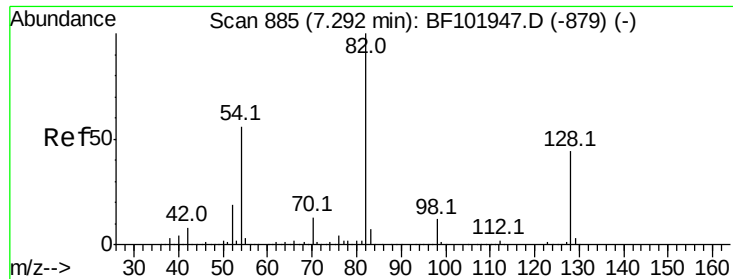
Abundance Ion 136.00 (135.70 to 136.70): E

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

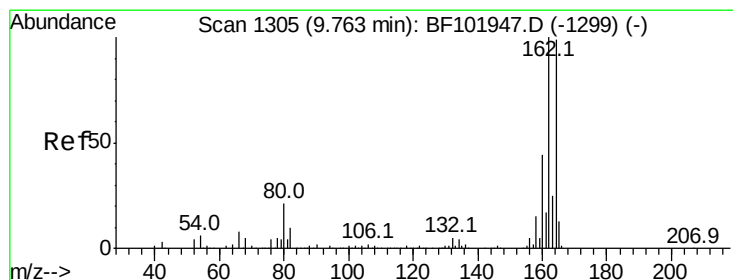
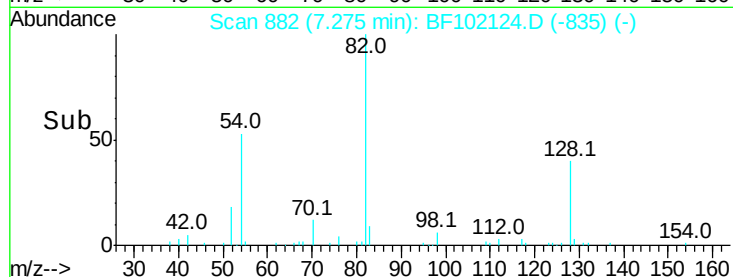
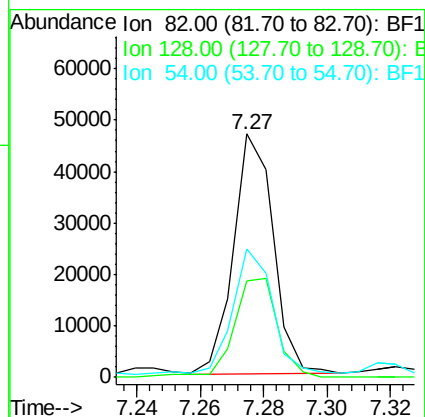
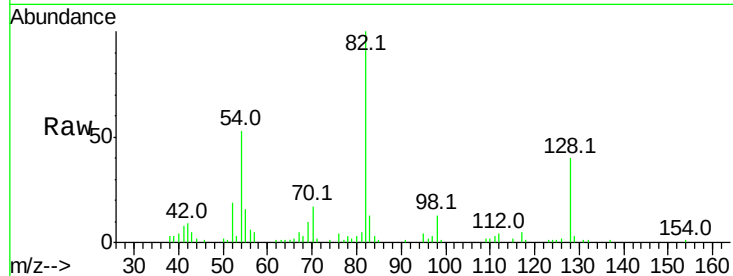




#23
Nitrobenzene-d5
Concen: 4.351 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

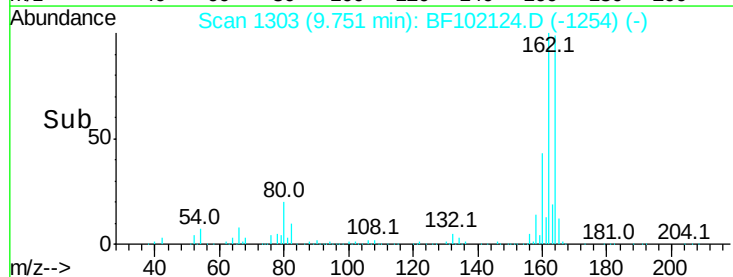
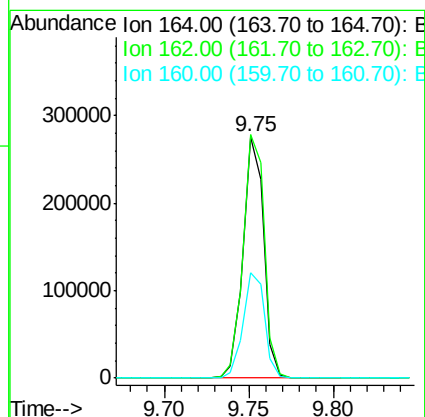
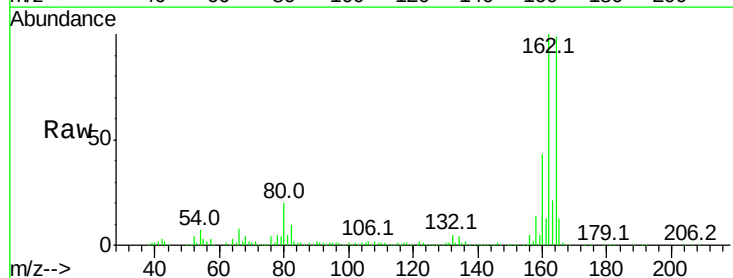
Instrument :
BNA_F
ClientSampleId :

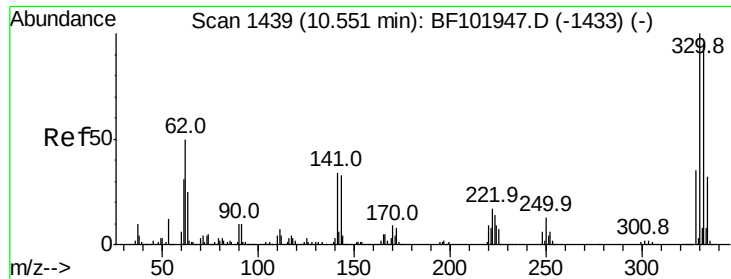
Tot Ion: 82 Resp: 40334
Ion Ratio Lower Upper
82 100
128 39.7 36.1 54.1
54 53.0 41.4 62.2



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Tgt Ion:164 Resp: 233698
Ion Ratio Lower Upper
164 100
162 100.9 86.1 129.1
160 43.5 38.3 57.5

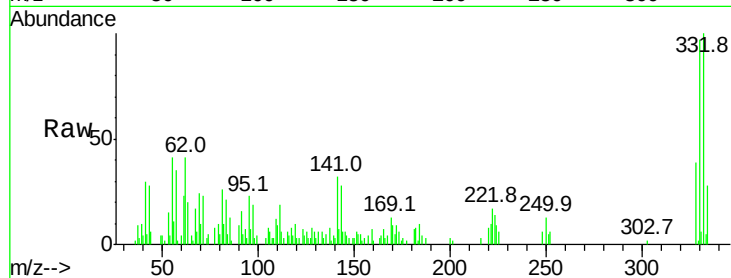




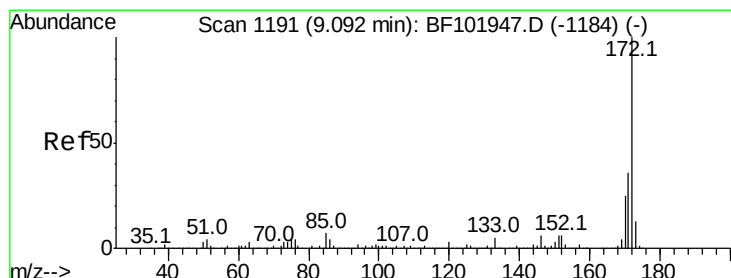
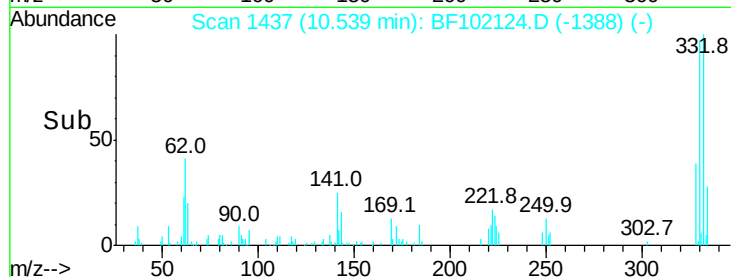
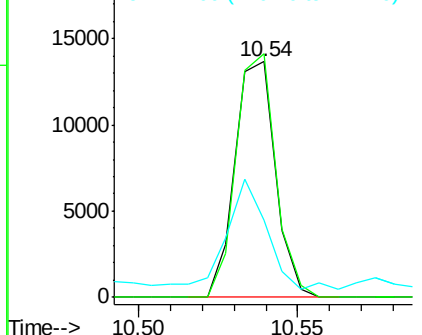
#41
 2,4,6-Tribromophenol
 Concen: 5.901 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102124.D
 Acq: 16 Jan 2018 21:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 12035
 Ion Ratio Lower Upper
 330 100
 332 101.2 77.0 115.6
 141 46.7 29.9 44.9#

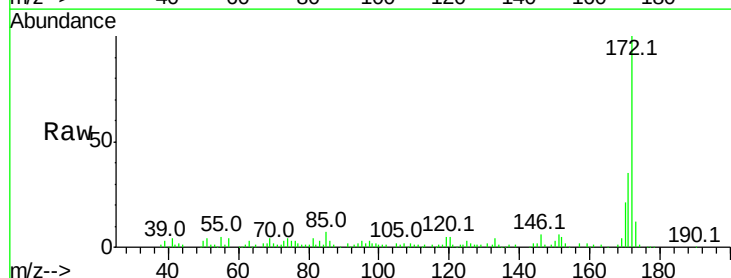


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

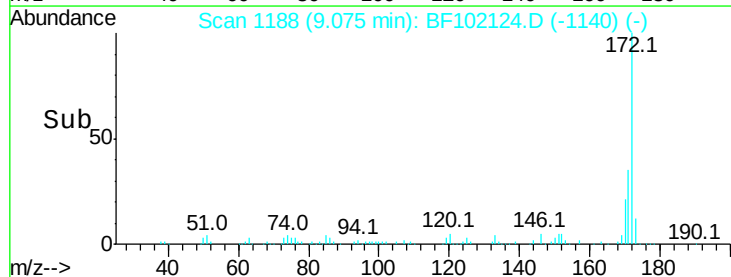
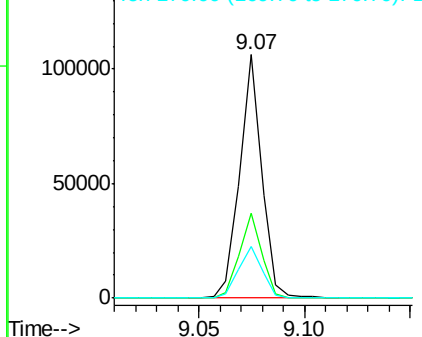


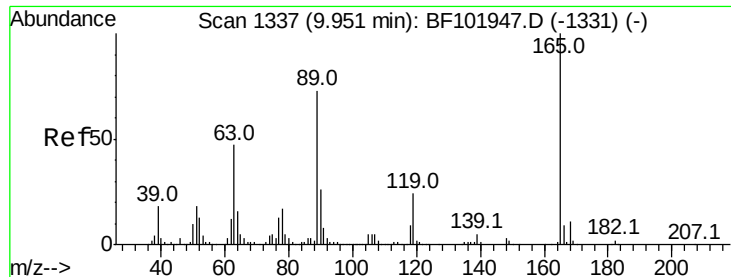
#44
 2-Fluorobiphenyl
 Concen: 5.129 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF102124.D
 Acq: 16 Jan 2018 21:56

Tgt Ion:172 Resp: 76725
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.7 44.5
 170 21.3 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

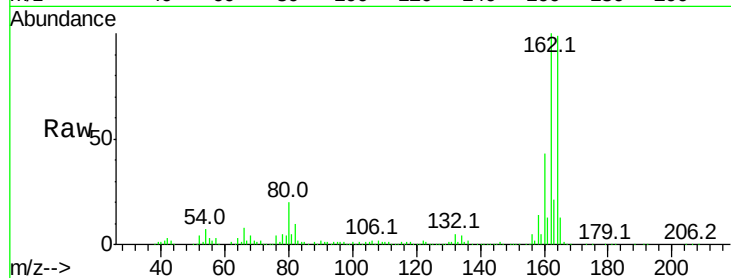




#56
 2,4-Dinitrotoluene
 Concen: 7.042 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF102124.D
 Acq: 16 Jan 2018 21:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	165	Resp:	33051
Ion	Ratio	Lower	Upper
165	100		
63	2.4	36.4	54.6#
89	2.0	57.8	86.6#
182	1.8	1.6	2.4

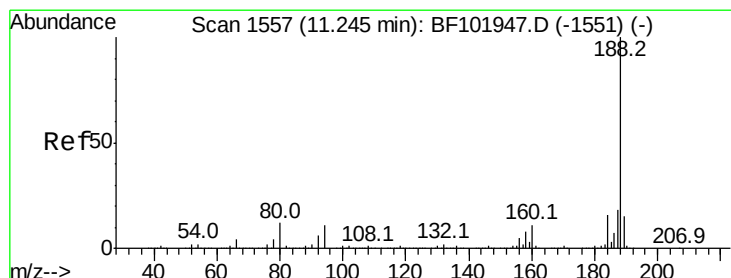
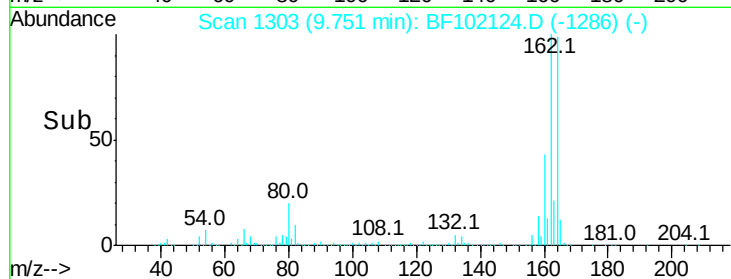
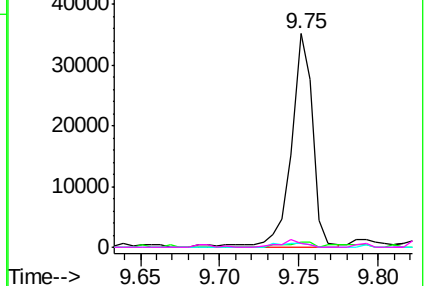


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

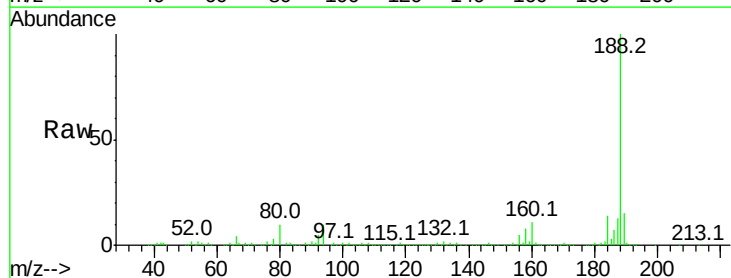
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102124.D
 Acq: 16 Jan 2018 21:56

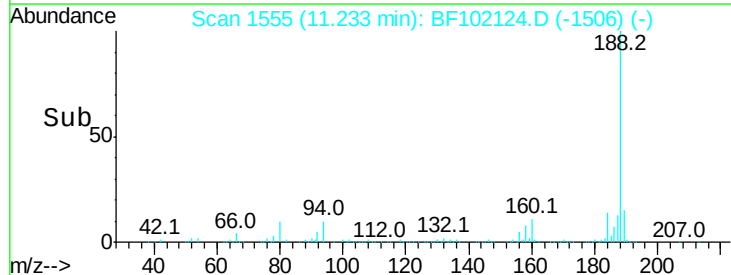
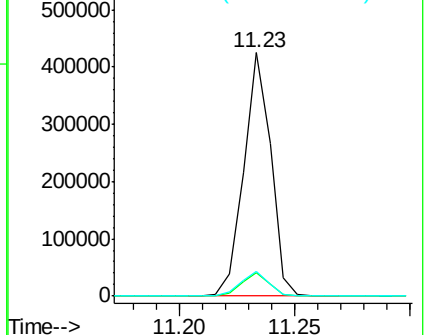
Tgt Ion:	188	Resp:	347878
Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.4	9.2	13.8

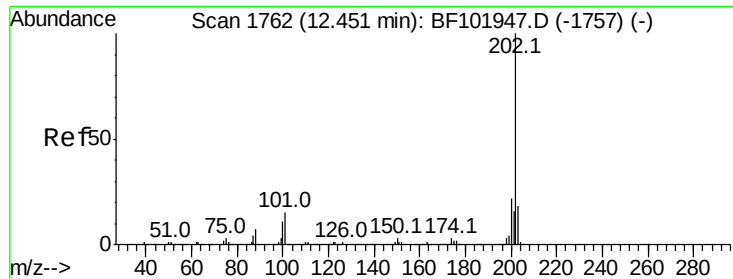


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#74

Fluoranthene

Concen: 3.345 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102124.D

Acq: 16 Jan 2018 21:56

Instrument :

BNA_F

ClientSampleId :

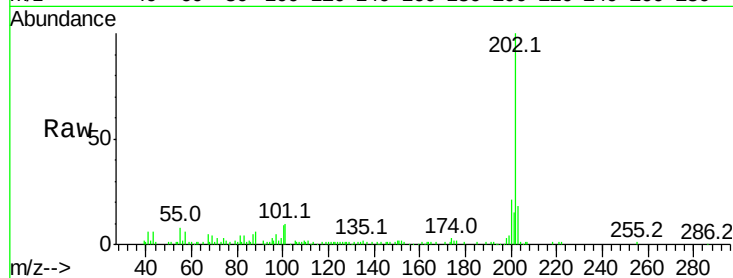
Tot Ion:202 Resp: 66875

Ion Ratio Lower Upper

202 100

101 10.1 0.0 34.1

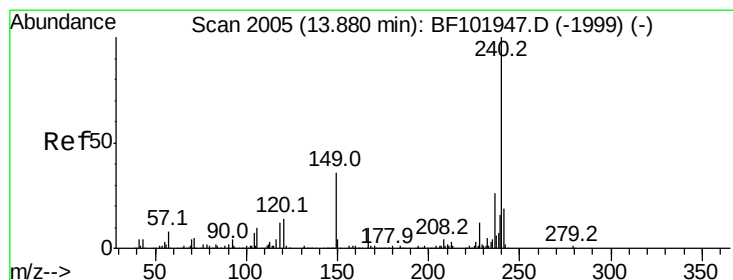
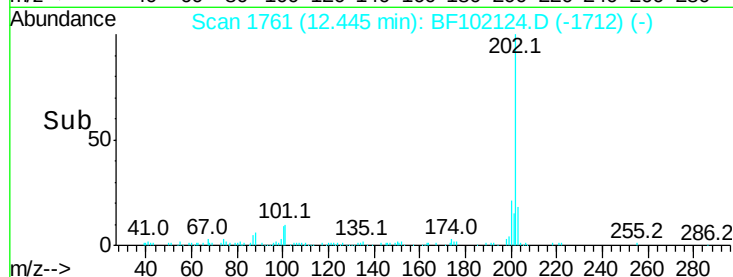
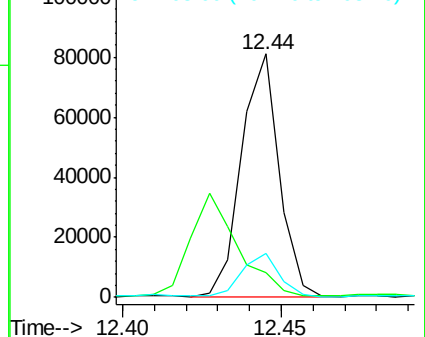
203 18.3 0.0 38.1



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: 13.86 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BF102124.D

Acq: 16 Jan 2018 21:56

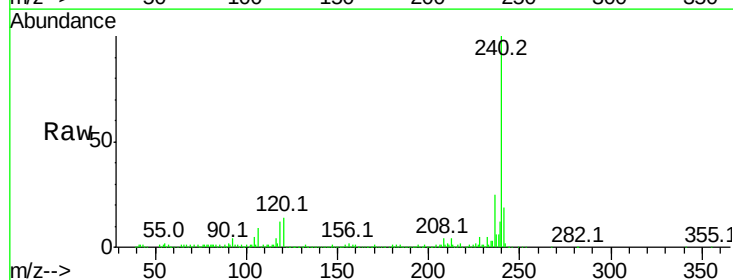
Tgt Ion:240 Resp: 244081

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

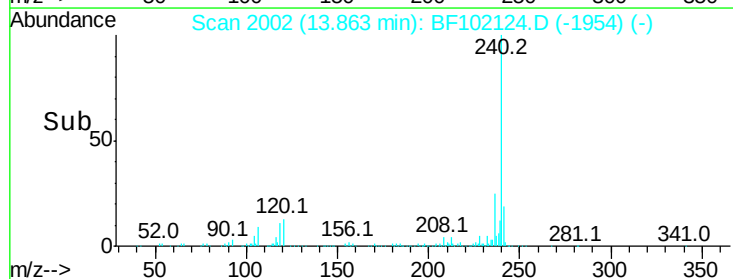
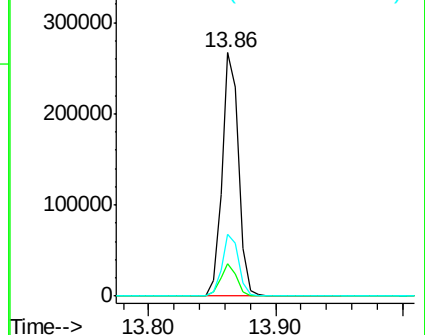
236 25.3 20.7 31.1

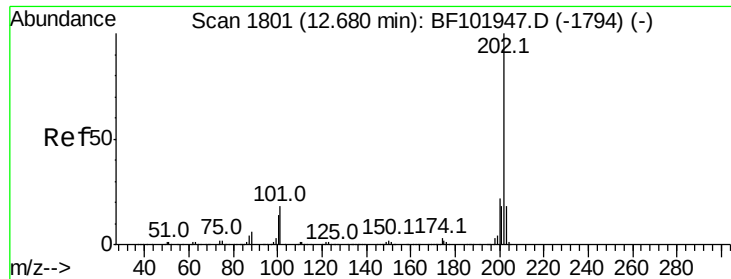


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.024 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102124.D

Acq: 16 Jan 2018 21:56

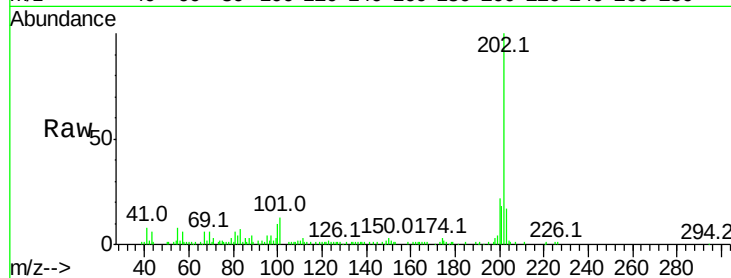
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 65238

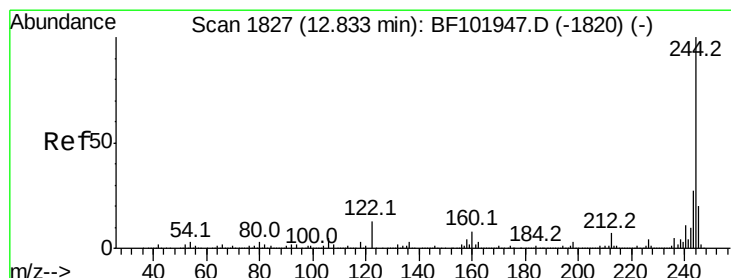
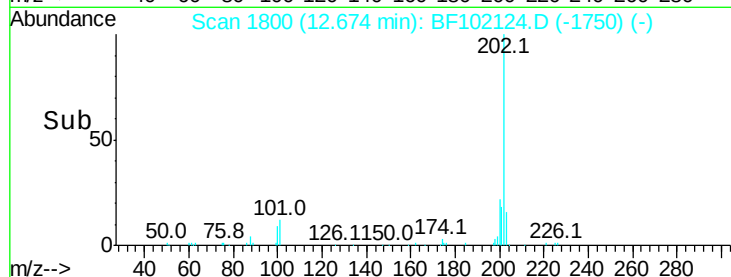
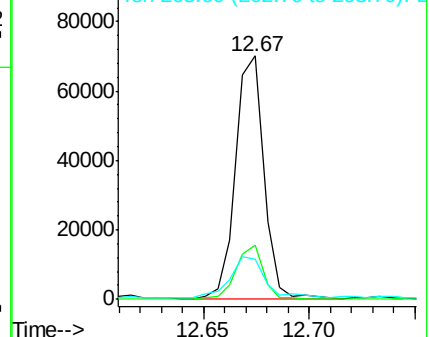
Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.4	26.2
203	16.6	14.3	21.5



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: 4.070 ng

RT: 12.82 min Scan# 1824

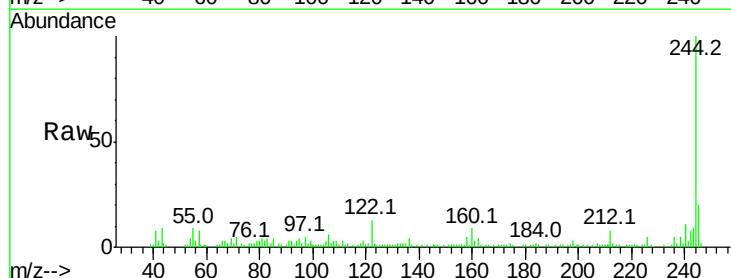
Delta R.T. -0.02 min

Lab File: BF102124.D

Acq: 16 Jan 2018 21:56

Tgt Ion:244 Resp: 47844

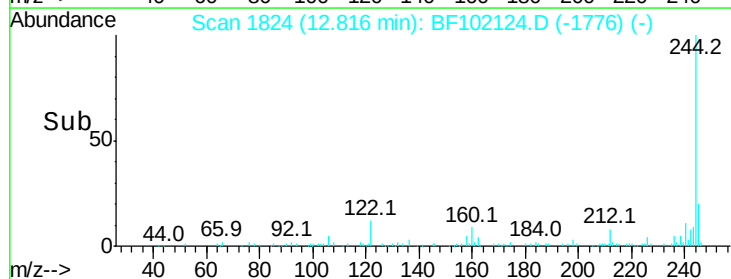
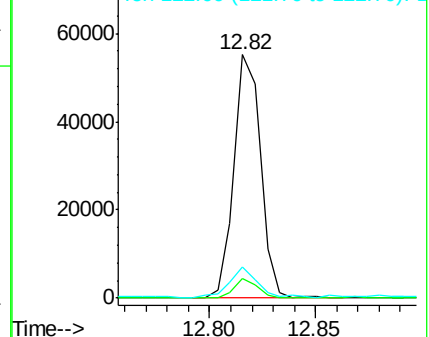
Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.4	8.0#
122	12.8	11.0	16.4

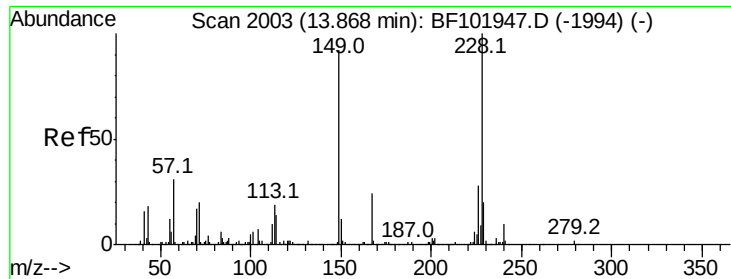


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

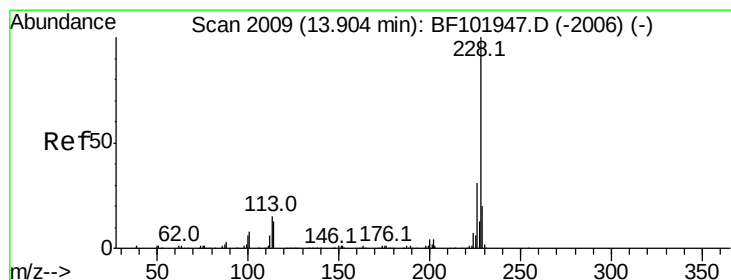
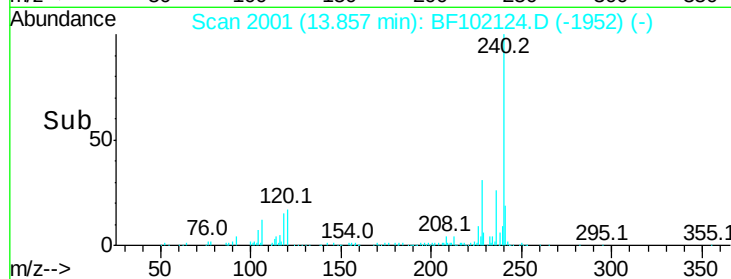
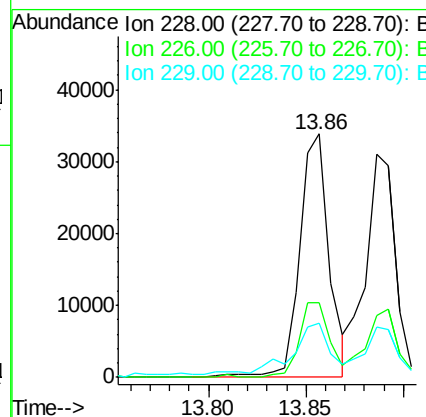
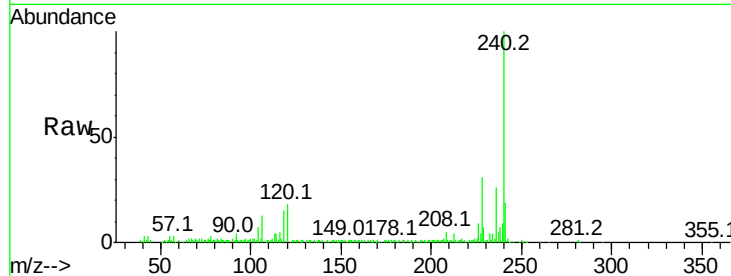




#80
Benzo(a)anthracene
Concen: 2.263 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

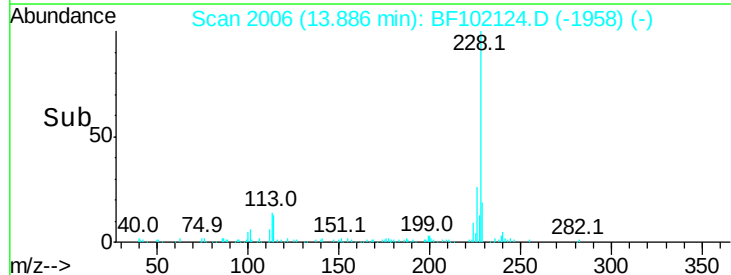
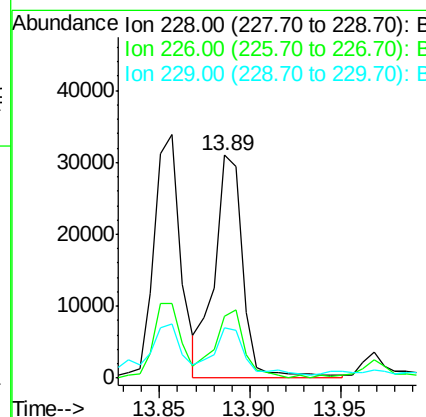
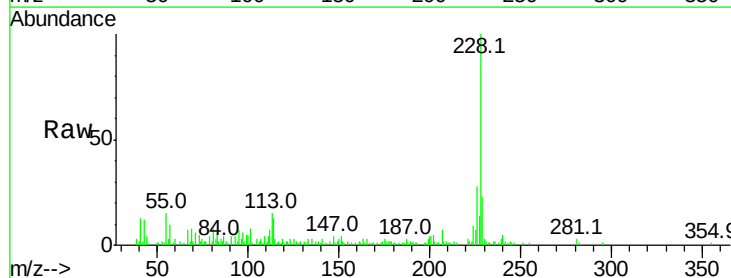
Instrument :
BNA_F
ClientSampleId :

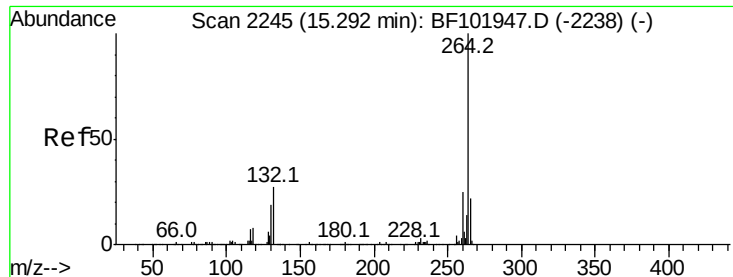
Tot Ion:228 Resp: 35237
Ion Ratio Lower Upper
228 100
226 30.9 22.6 33.8
229 22.3 15.8 23.6



#82
Chrysene
Concen: 2.098 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Tgt Ion:228 Resp: 34076
Ion Ratio Lower Upper
228 100
226 28.0 25.0 37.6
229 22.9 16.2 24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF102124.D

Acq: 16 Jan 2018 21:56

Instrument :

BNA_F

ClientSampleId :

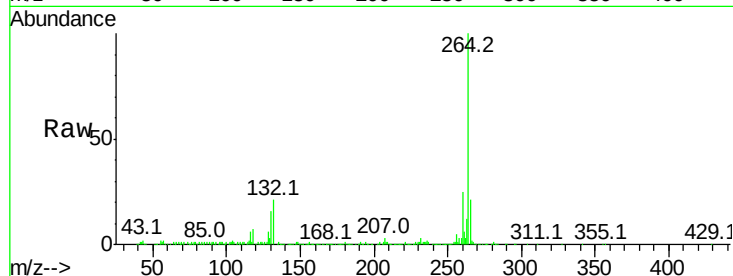
Tot Ion:264 Resp: 259588

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

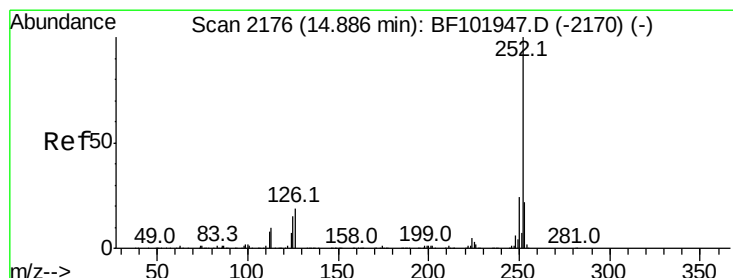
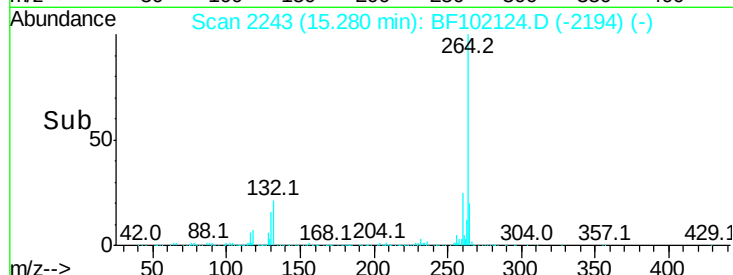
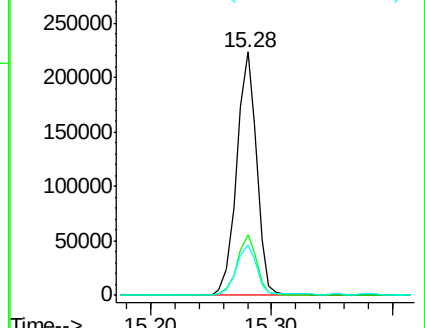
265 20.7 17.5 26.3



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: 3.644 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BF102124.D

Acq: 16 Jan 2018 21:56

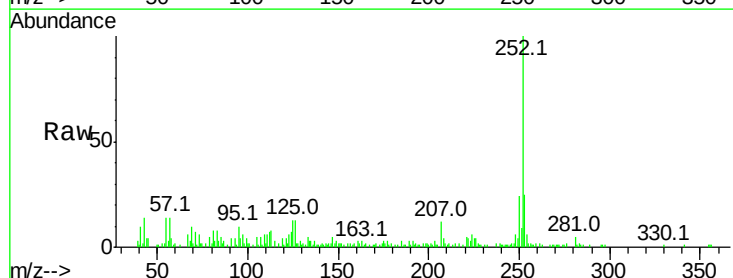
Tgt Ion:252 Resp: 61681

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

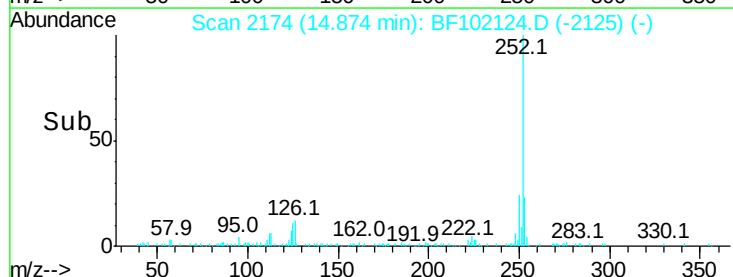
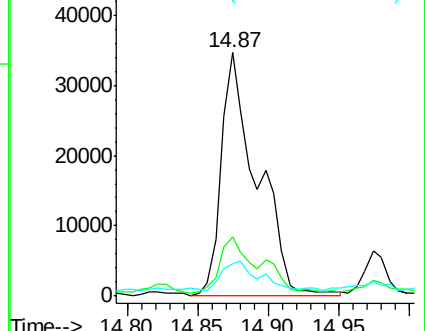
125 13.2 9.0 13.6

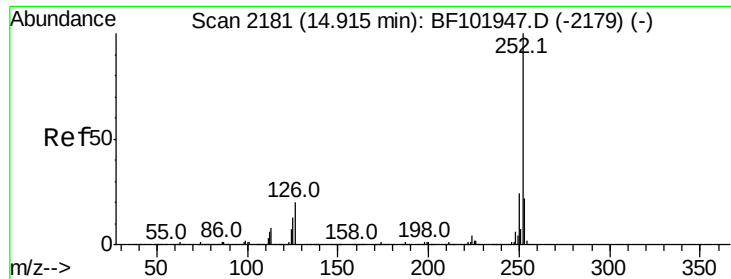


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

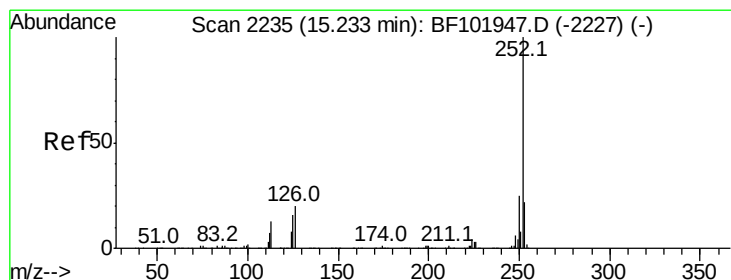
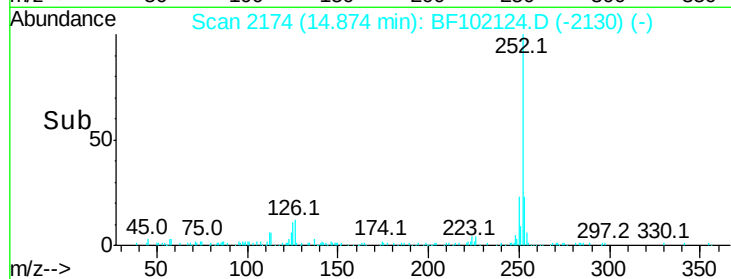
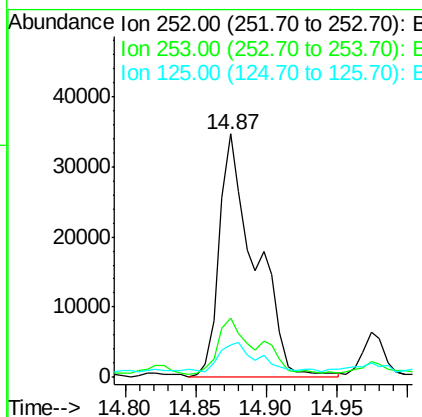
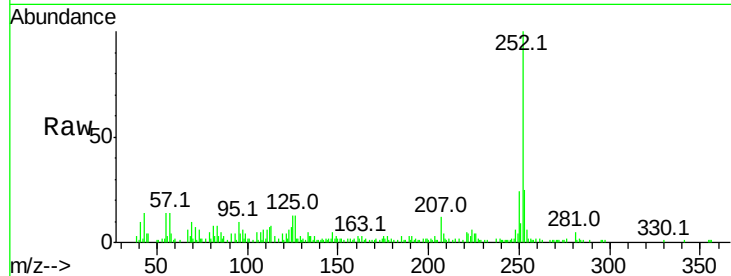




#88
Benzo(k)fluoranthene
Concen: 3.778 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	13.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.218 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	16.0	9.8	14.6

