

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101174.D
 Acq On : 6 Dec 2017 18:12
 Operator : SJ/JU
 Sample : I6676-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-120417

Quant Time: Dec 06 23:50:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	43447	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	165397	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	70770	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	119674	20.00	ng	0.00
75) Chrysene-d12	14.02	240	98870	20.00	ng	0.00
86) Perylene-d12	15.50	264	88472	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	50636	19.26	ng	0.00
7) Phenol-d6	6.47	99	57440	17.99	ng	0.00
23) Nitrobenzene-d5	7.41	82	34395	12.41	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	12205	14.36	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	72296	13.98	ng	-0.01
78) Terphenyl-d14	12.96	244	56140	12.42	ng	0.00

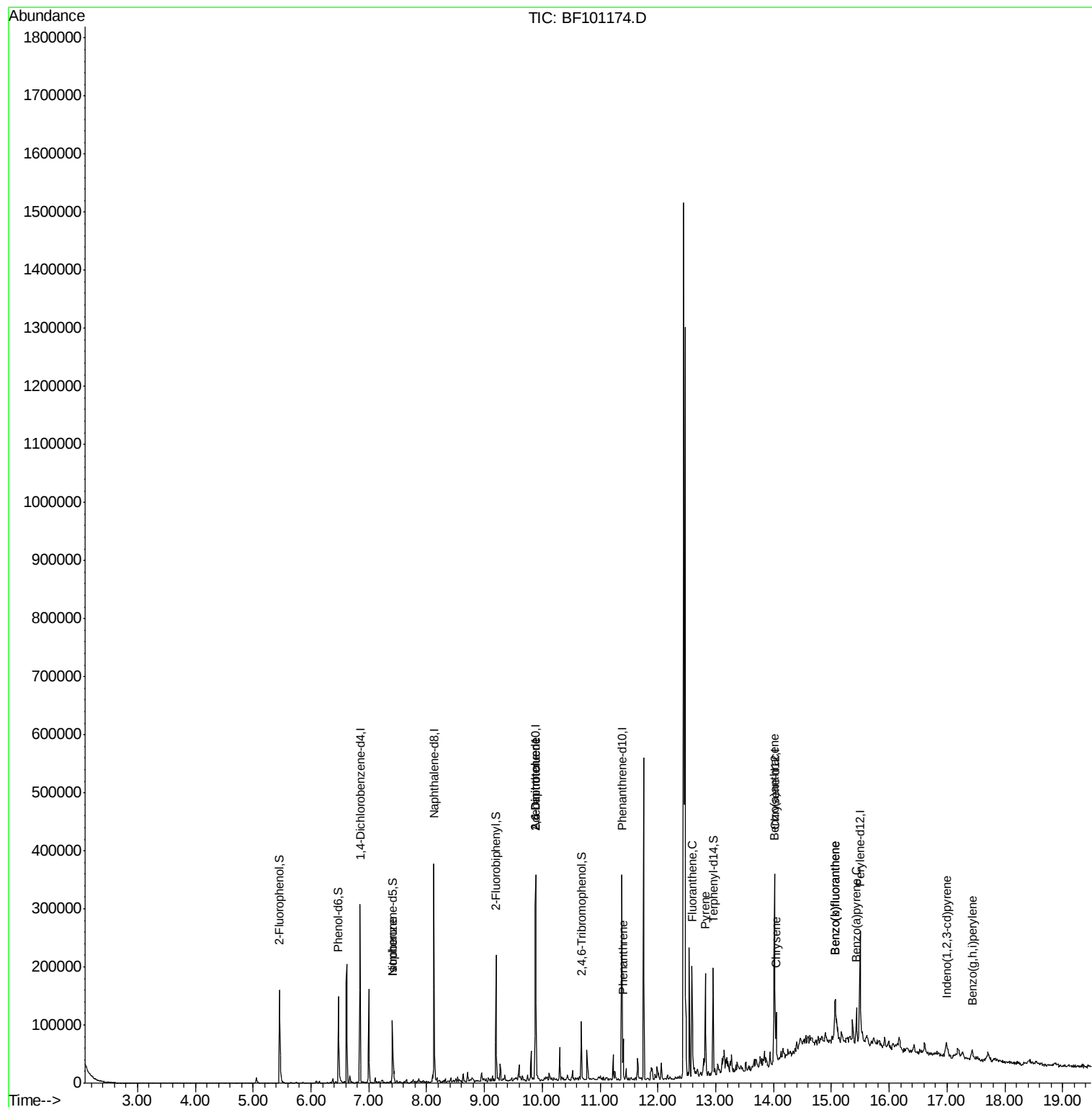
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.41	82	34395	7.262	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	8899	7.403	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	8899	5.524	ng	# 21
70) Phenanthrene	11.40	178	24676	3.744	ng	96
74) Fluoranthene	12.59	202	66677	9.127	ng	93
77) Pyrene	12.82	202	61784	9.056	ng	99
80) Benzo(a)anthracene	14.01	228	36255	5.808	ng	96
82) Chrysene	14.04	228	30286	5.224	ng	95
85) Indeno(1,2,3-cd)pyrene	16.99	276	13378	2.596	ng	# 87
87) Benzo(b)fluoranthene	15.06	252	48504	9.153	ng	95
88) Benzo(k)fluoranthene	15.06	252	48504	9.290	ng	98
89) Benzo(a)pyrene	15.43	252	25750	5.345	ng	99
91) Benzo(a,h,i)perylene	17.44	276	12460	3.113	ng	# 87

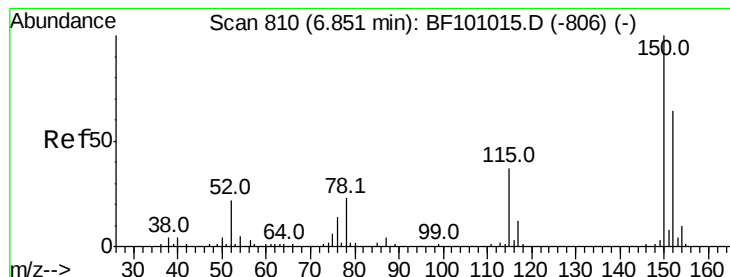
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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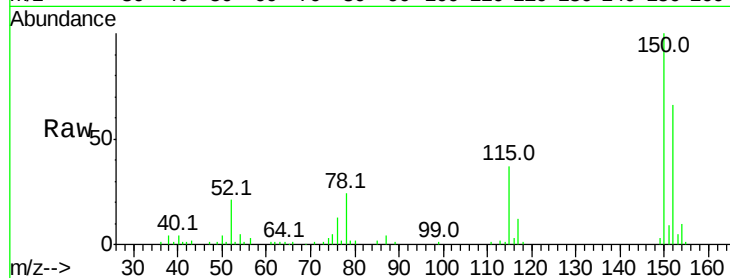


#1

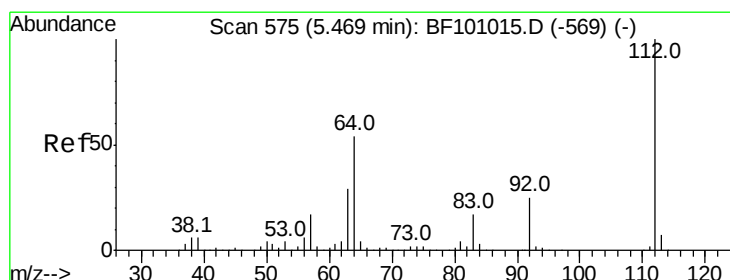
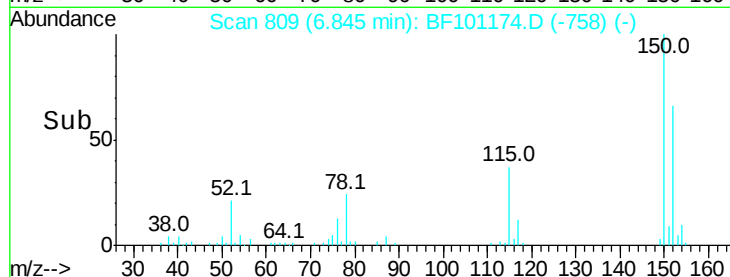
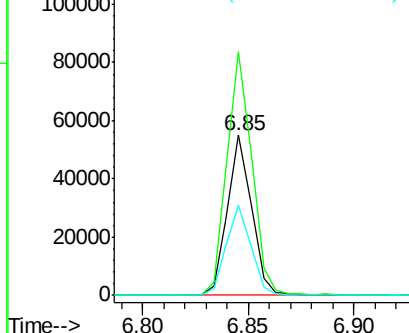
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF101174.D
 Acq: 6 Dec 2017 18:12

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-120417

Tot Ion:152 Resp: 43447
 Ion Ratio Lower Upper
 152 100
 150 151.9 124.6 186.8
 115 56.5 50.1 75.1



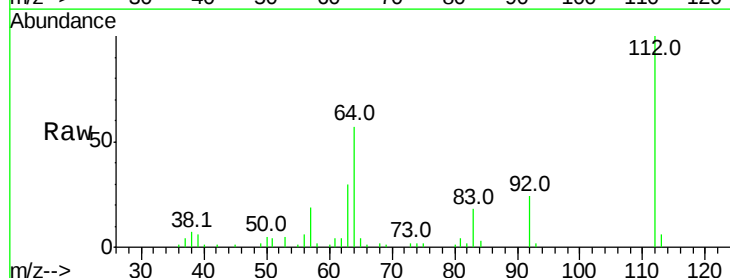
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



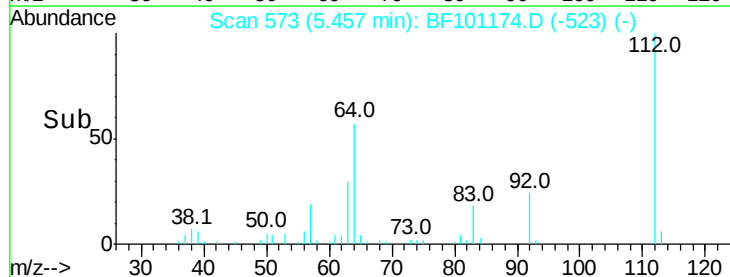
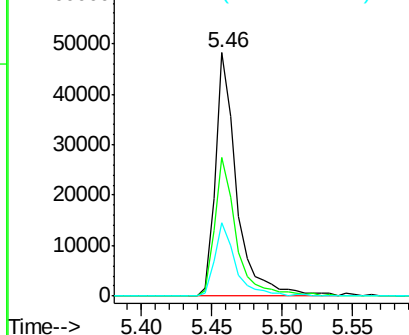
#5

2-Fluorophenol
 Concen: 19.259 ng
 RT: 5.46 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF101174.D
 Acq: 6 Dec 2017 18:12

Tgt Ion:112 Resp: 50636
 Ion Ratio Lower Upper
 112 100
 64 56.9 47.9 71.9
 63 30.1 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: 17.994 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101174.D

Acq: 6 Dec 2017 18:12

Instrument :

BNA_F

ClientSampleId :

OK-02-120417

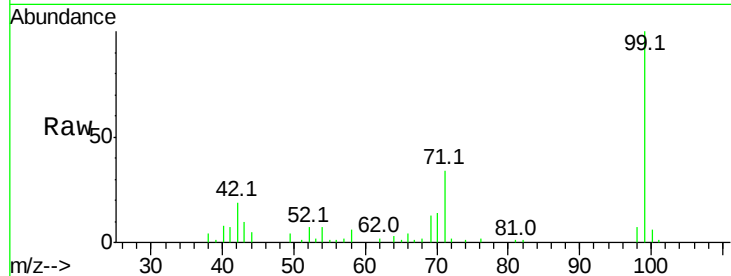
Tot Ion: 99 Resp: 57440

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

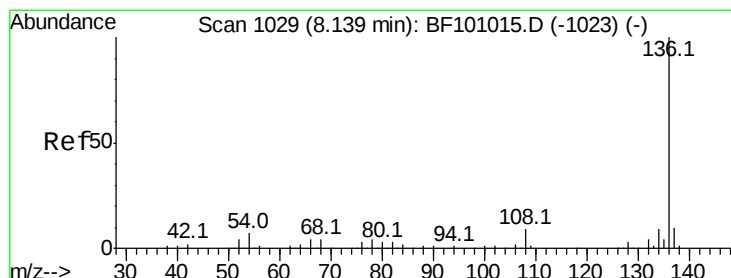
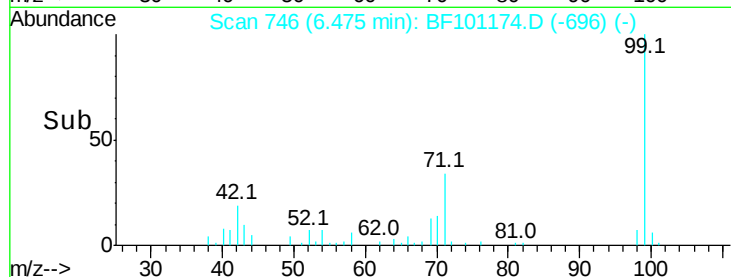
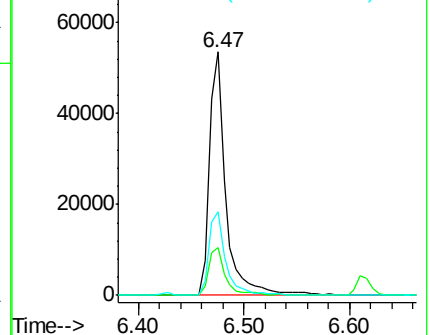
71 34.3 25.4 38.0



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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF101174.D

Acq: 6 Dec 2017 18:12

Tgt Ion: 136 Resp: 165397

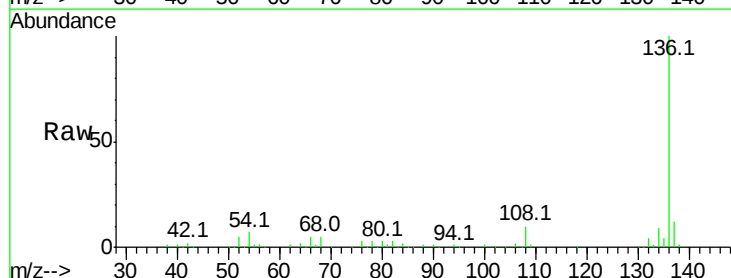
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 7.4 6.6 9.8

68 4.5 5.0 7.4#

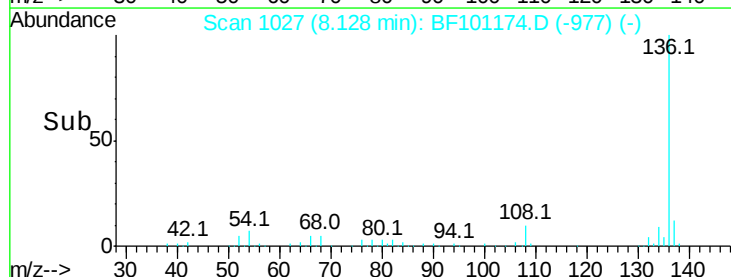
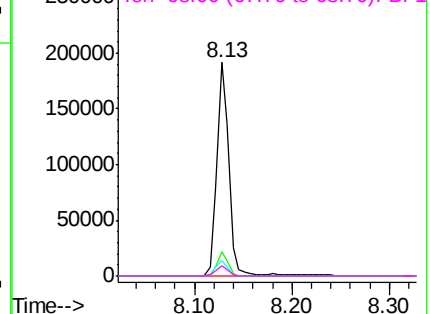


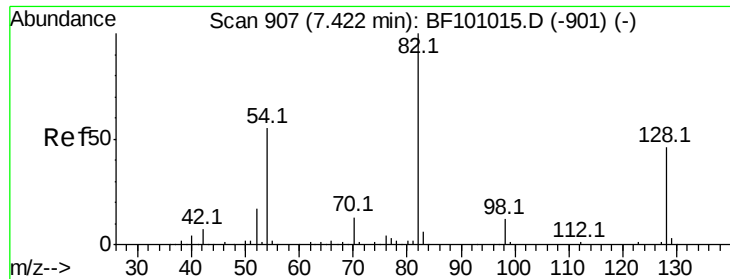
Abundance Ion 136.00 (135.70 to 136.70): E

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

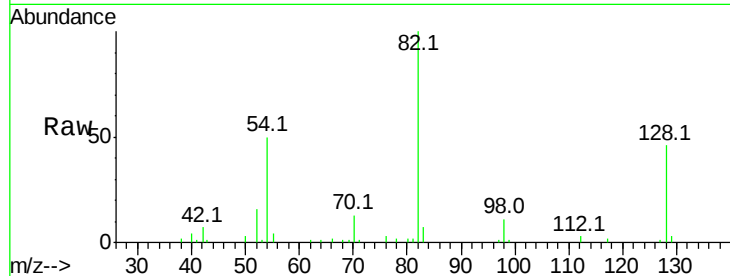




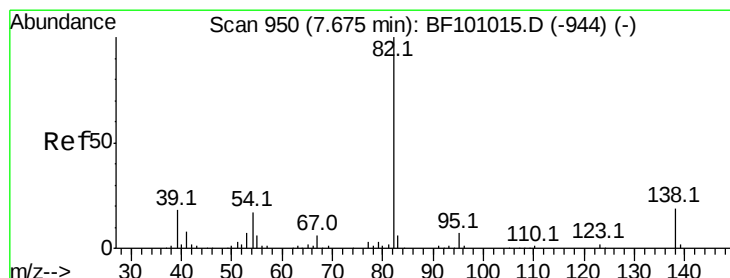
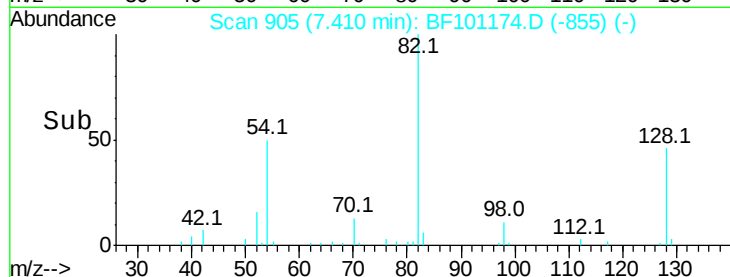
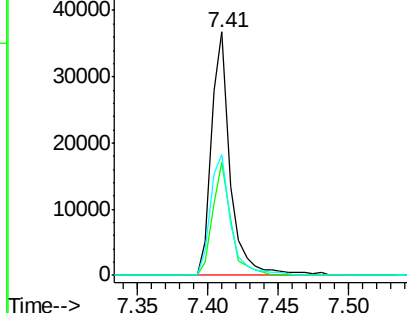
#23
Nitrobenzene-d5
Concen: 12.405 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Instrument :
BNA_F
ClientSampleId :
OK-02-120417

Tot Ion	82	Resp	34395
Ion Ratio	100	Lower	Upper
128	46.4	36.1	54.1
54	49.7	41.4	62.2

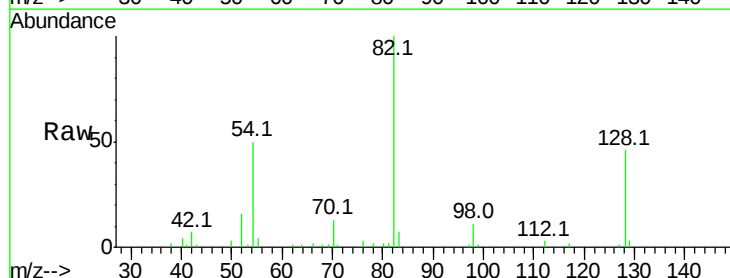


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

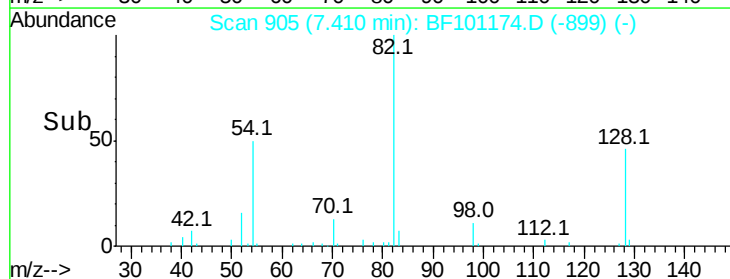
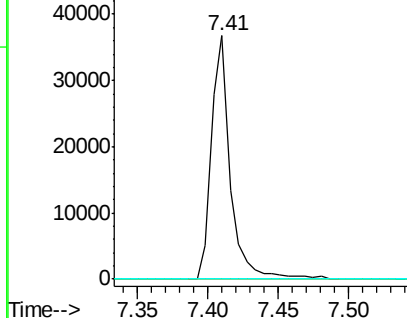


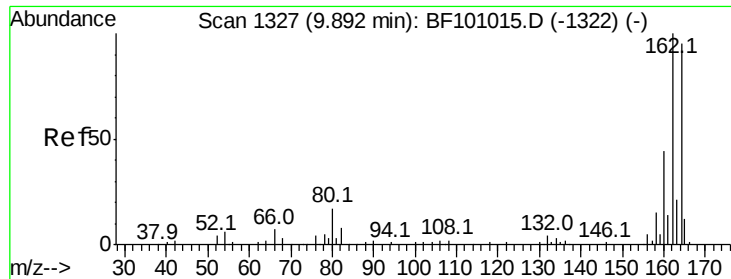
#25
Isophorone
Concen: 7.262 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion	82	Resp	34395
Ion Ratio	100	Lower	Upper
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

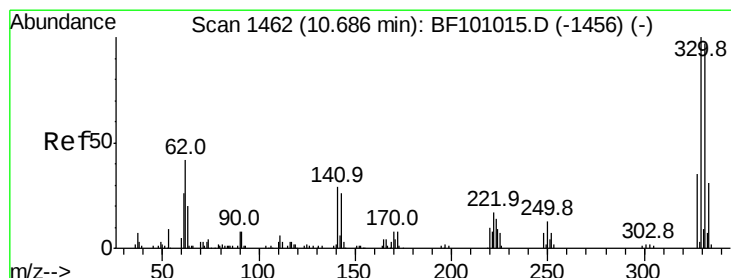
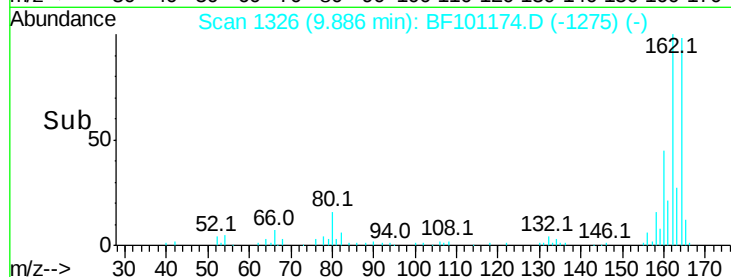
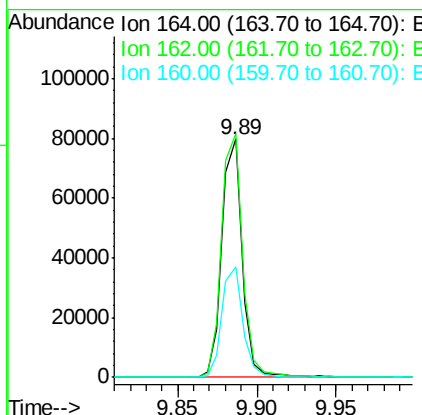
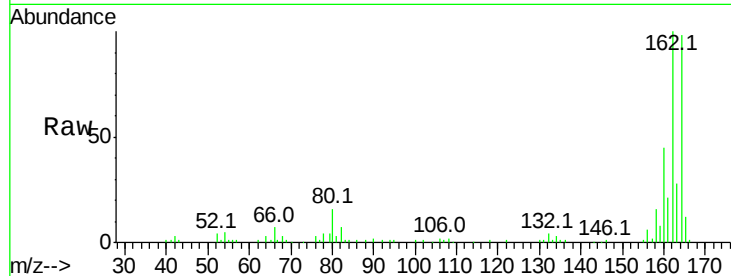




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BF101174.D
 Acq: 6 Dec 2017 18:12

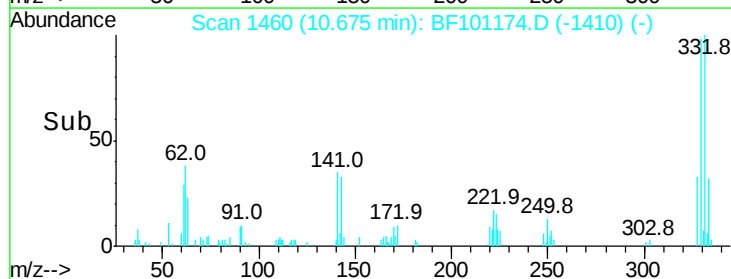
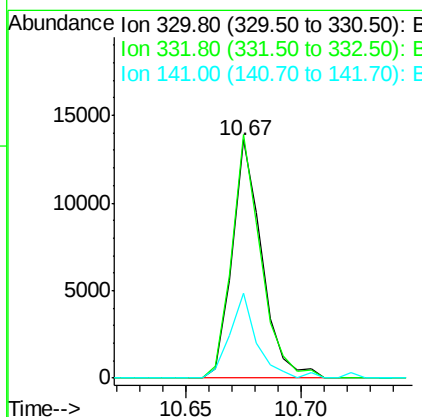
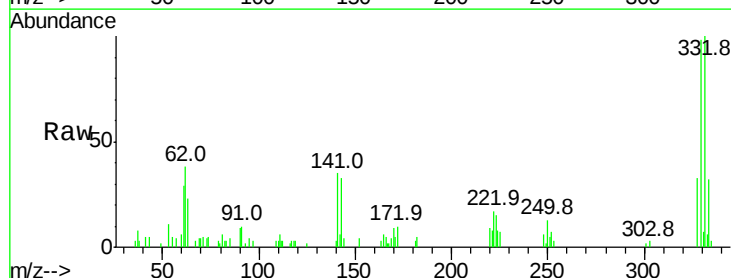
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-120417

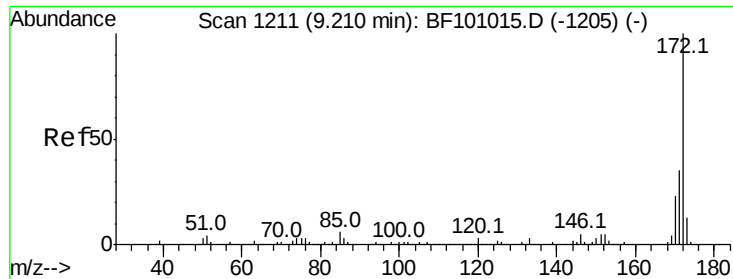
Tot Ion:164 Resp: 70770
 Ion Ratio Lower Upper
 164 100
 162 102.3 86.1 129.1
 160 46.4 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 14.356 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101174.D
 Acq: 6 Dec 2017 18:12

Tgt Ion:330 Resp: 12205
 Ion Ratio Lower Upper
 330 100
 332 99.7 77.0 115.6
 141 32.4 29.9 44.9

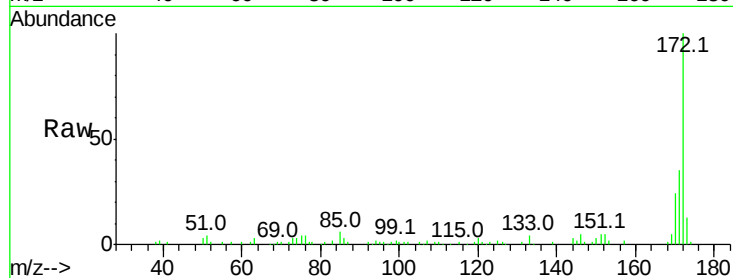




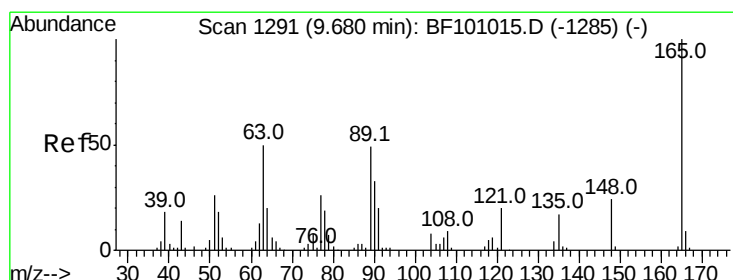
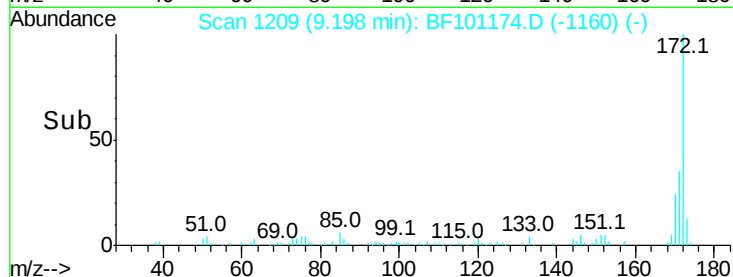
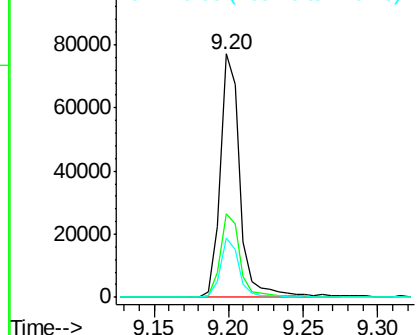
#44
 2-Fluorobiphenyl
 Concen: 13.977 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101174.D
 Acq: 6 Dec 2017 18:12

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-120417

Tot Ion:172 Resp: 72296
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.7 44.5
 170 24.2 19.6 29.4

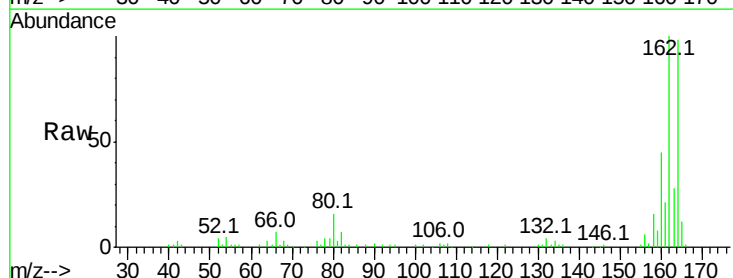


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

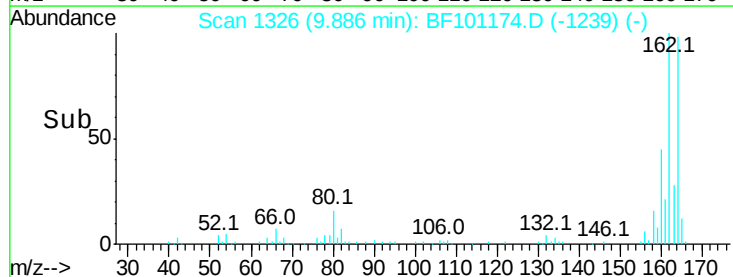
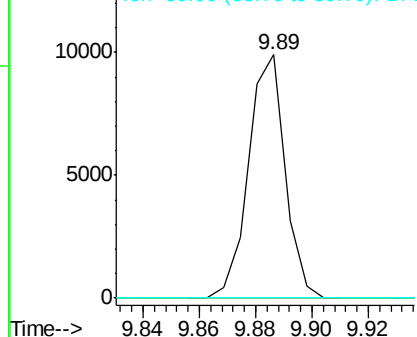


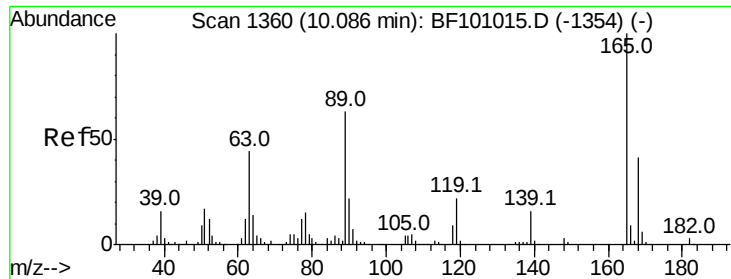
#50
 2,6-Dinitrotoluene
 Concen: 7.403 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF101174.D
 Acq: 6 Dec 2017 18:12

Tgt Ion:165 Resp: 8899
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 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

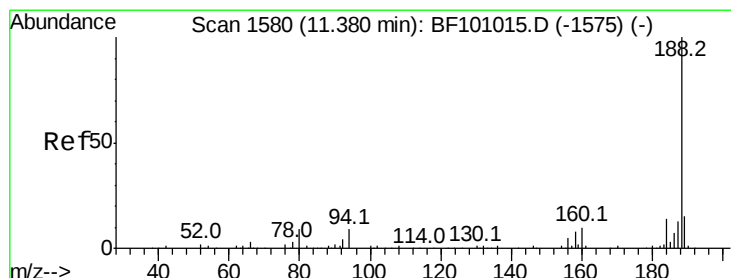
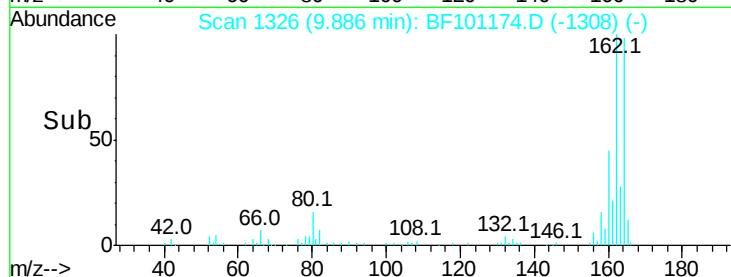
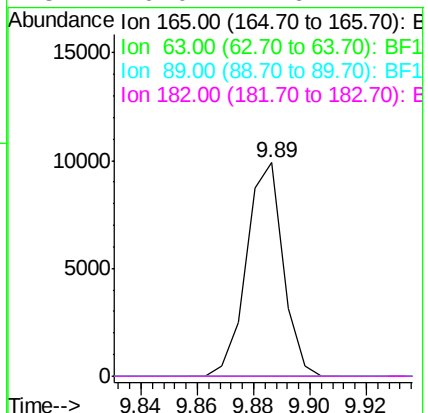
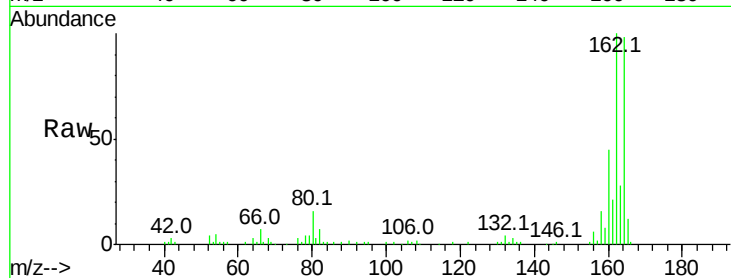




#56
 2,4-Dinitrotoluene
 Concen: 5.524 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.19 min
 Lab File: BF101174.D
 Acq: 6 Dec 2017 18:12

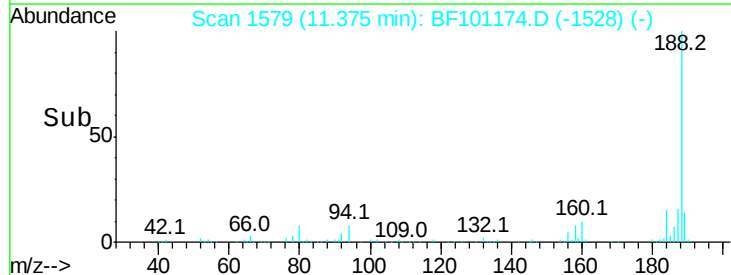
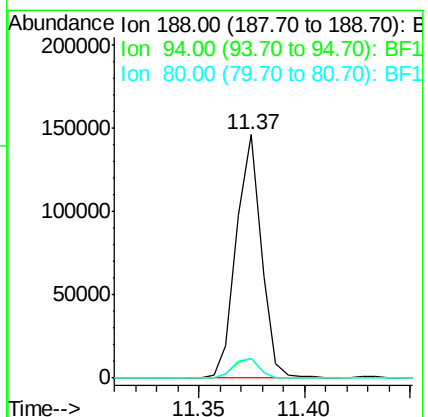
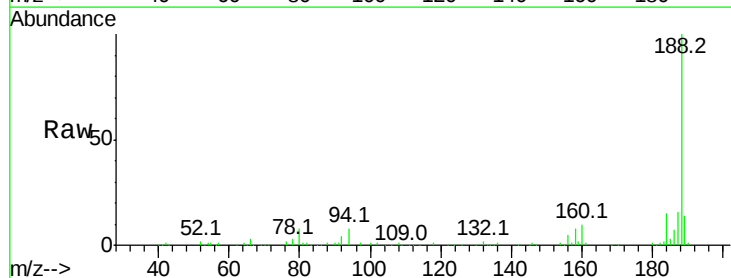
Instrument :
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 OK-02-120417

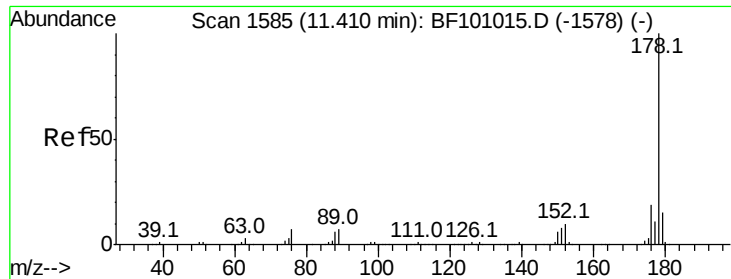
Tot Ion:	165	Resp:	8899
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101174.D
 Acq: 6 Dec 2017 18:12

Tgt Ion:	188	Resp:	119674
Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	8.0	9.2	13.8#





#70

Phenanthrene

Concen: 3.744 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF101174.D

Acq: 6 Dec 2017 18:12

Instrument :

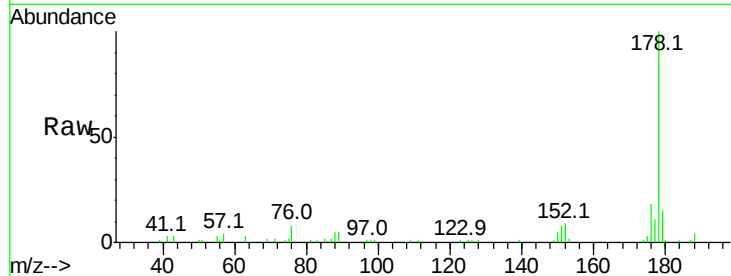
BNA_F

ClientSampleId :

OK-02-120417

Tot Ion:178 Resp: 24676

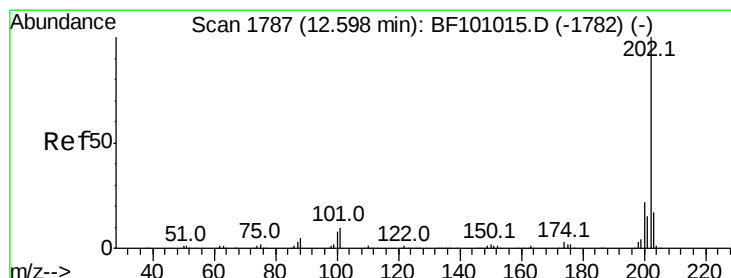
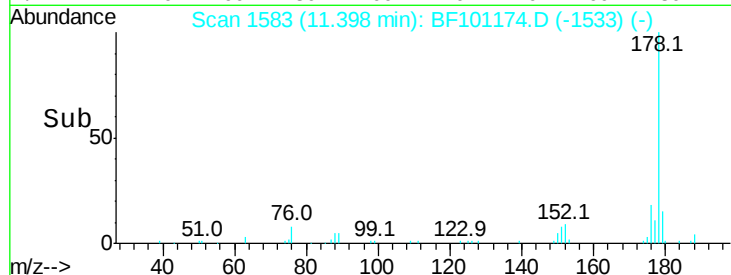
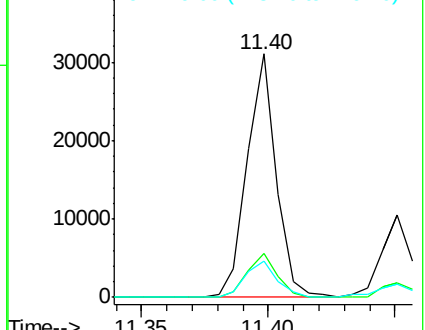
Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	14.7	13.0	19.6



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: 9.127 ng

RT: 12.59 min Scan# 1786

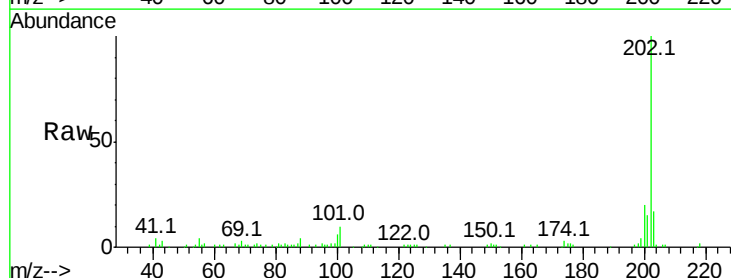
Delta R.T. 0.00 min

Lab File: BF101174.D

Acq: 6 Dec 2017 18:12

Tgt Ion:202 Resp: 66677

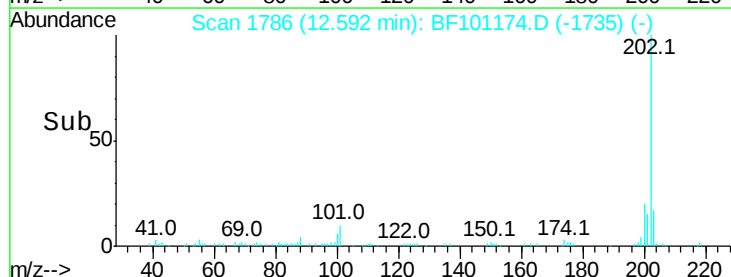
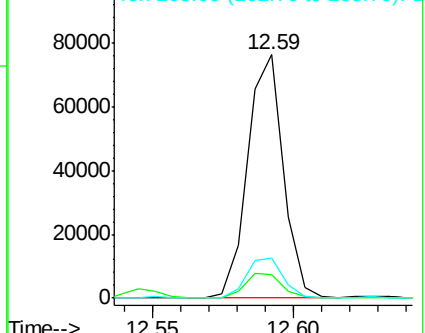
Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	34.1
203	16.6	0.0	38.1

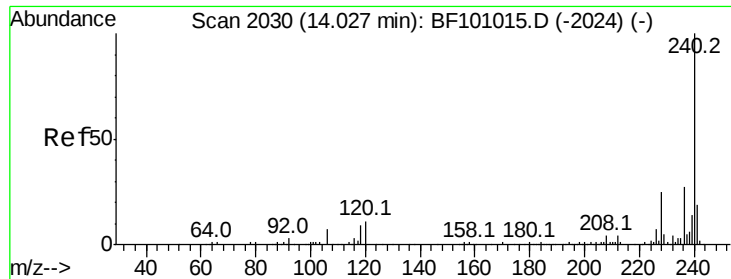


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101174.D

Acq: 6 Dec 2017 18:12

Instrument :

BNA_F

ClientSampleId :

OK-02-120417

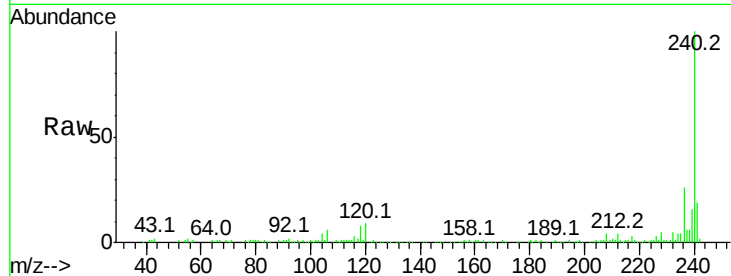
Tot Ion:240 Resp: 98870

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

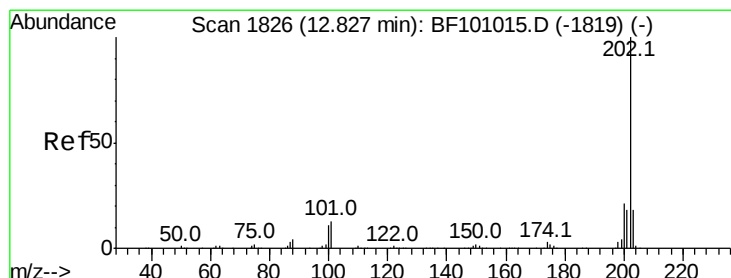
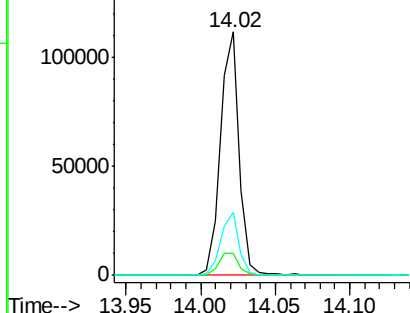
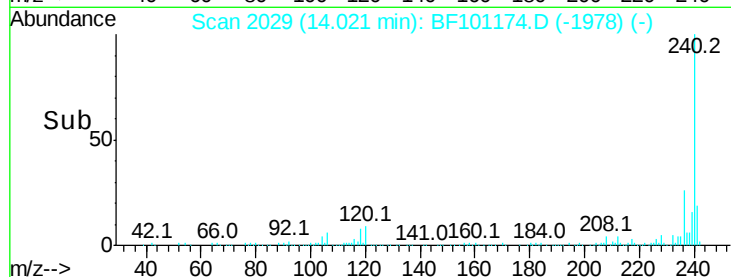
236 25.8 20.7 31.1



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: 9.056 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF101174.D

Acq: 6 Dec 2017 18:12

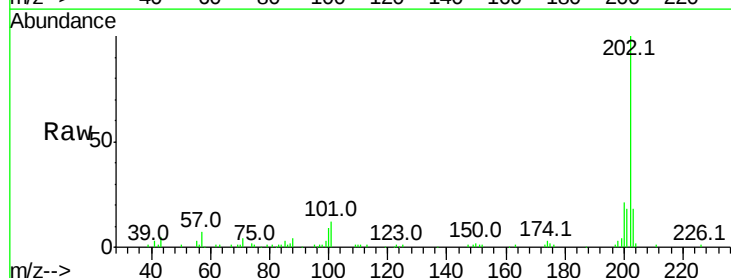
Tgt Ion:202 Resp: 61784

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

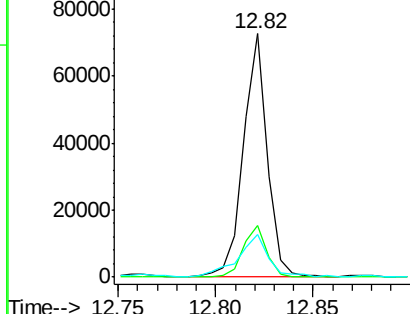
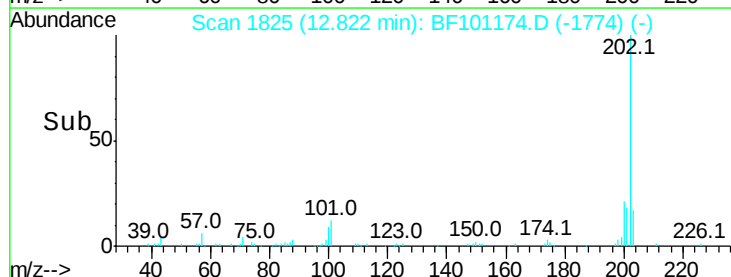
203 17.5 14.3 21.5

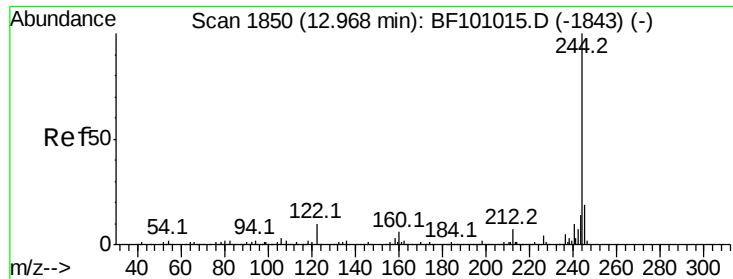


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.420 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101174.D

Acq: 6 Dec 2017 18:12

Instrument :

BNA_F

ClientSampleId :

OK-02-120417

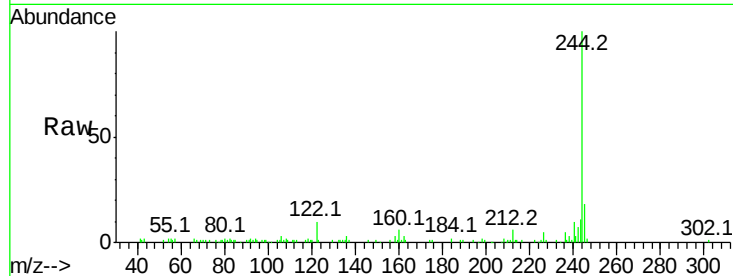
Tot Ion:244 Resp: 56140

Ion Ratio Lower Upper

244 100

212 5.7 5.4 8.0

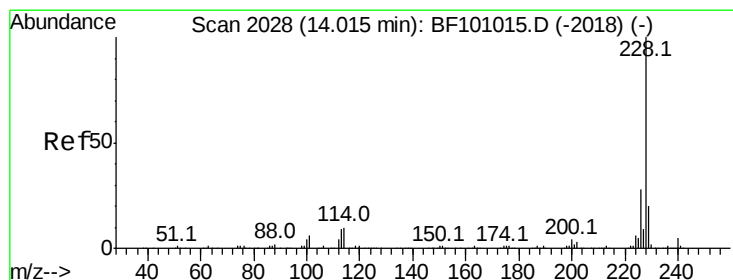
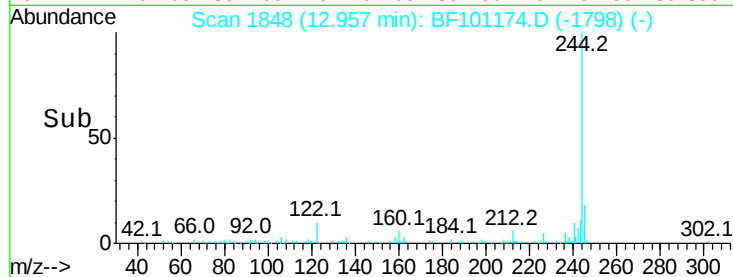
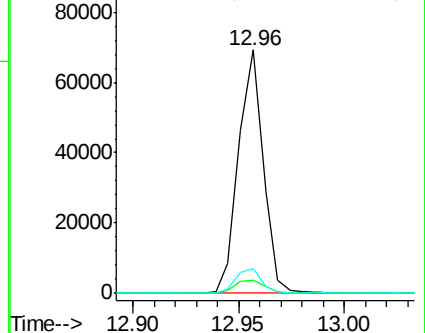
122 9.9 11.0 16.4#



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: 5.808 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF101174.D

Acq: 6 Dec 2017 18:12

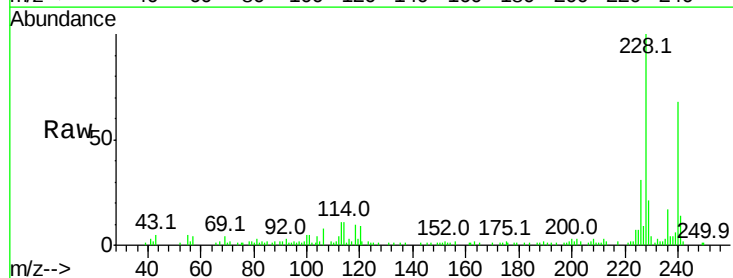
Tgt Ion:228 Resp: 36255

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

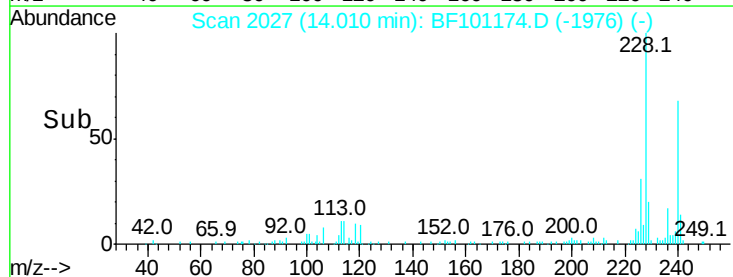
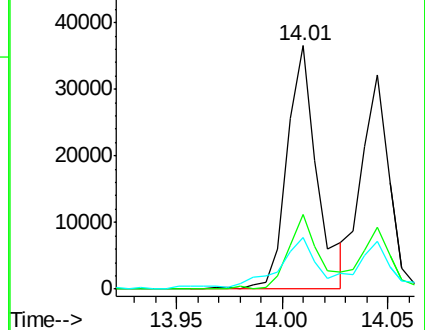
229 21.3 15.8 23.6

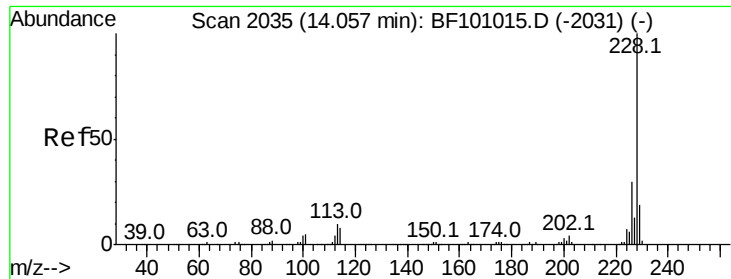


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.224 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101174.D

Acq: 6 Dec 2017 18:12

Instrument :

BNA_F

ClientSampleId :

OK-02-120417

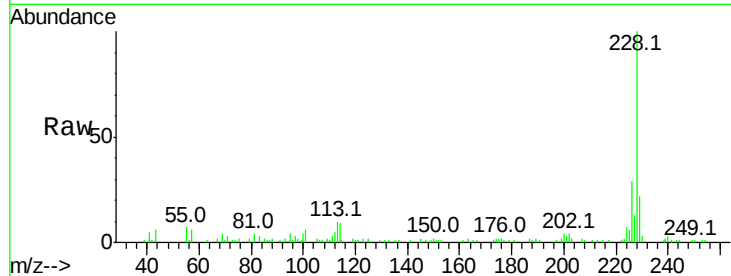
Tot Ion:228 Resp: 30286

Ion Ratio Lower Upper

228 100

226 28.7 25.0 37.6

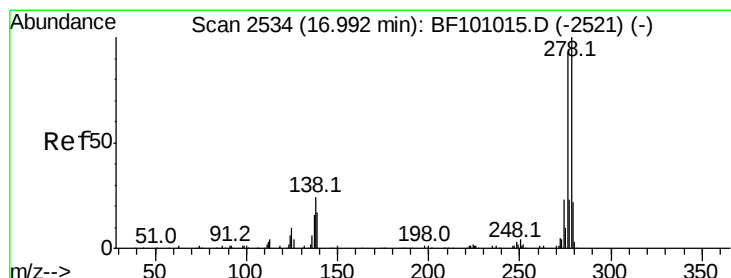
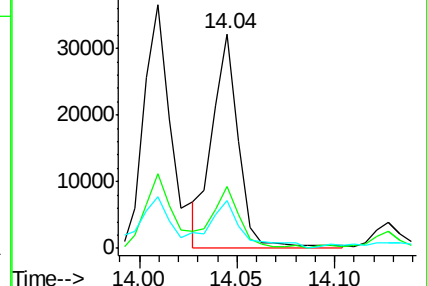
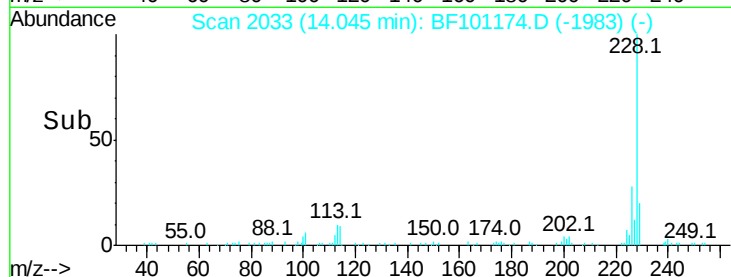
229 22.4 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.596 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF101174.D

Acq: 6 Dec 2017 18:12

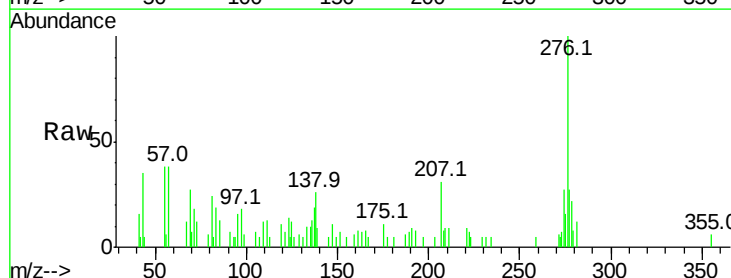
Tgt Ion:276 Resp: 13378

Ion Ratio Lower Upper

276 100

138 22.3 25.0 37.6#

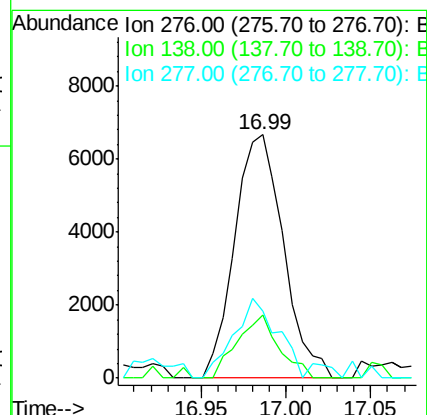
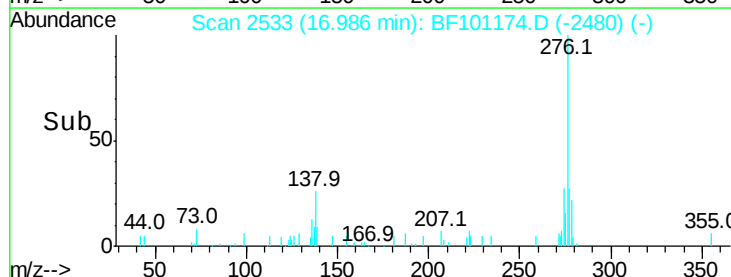
277 29.0 20.1 30.1

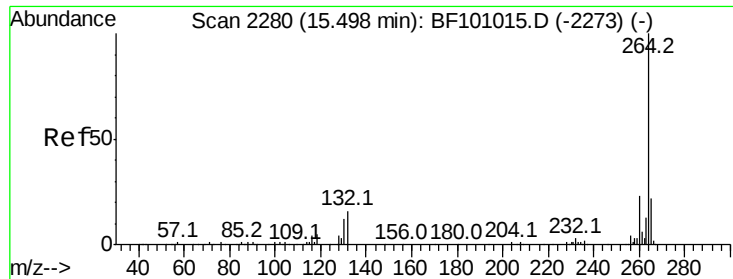


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

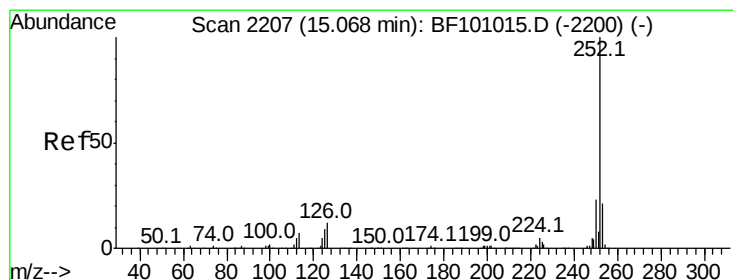
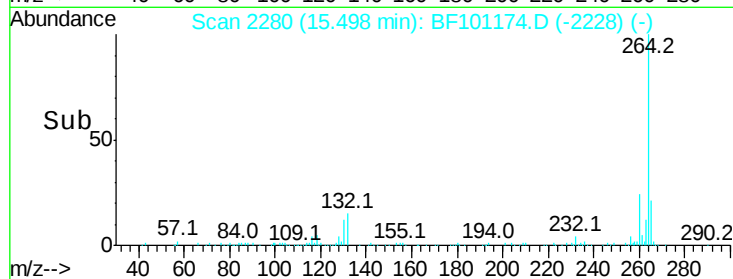
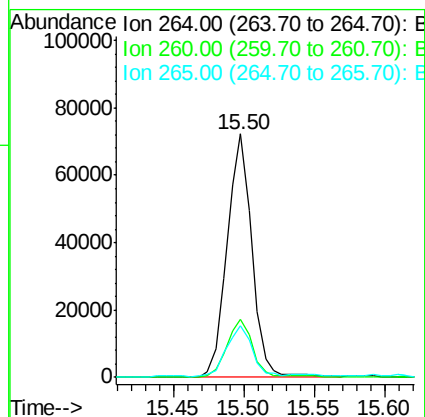
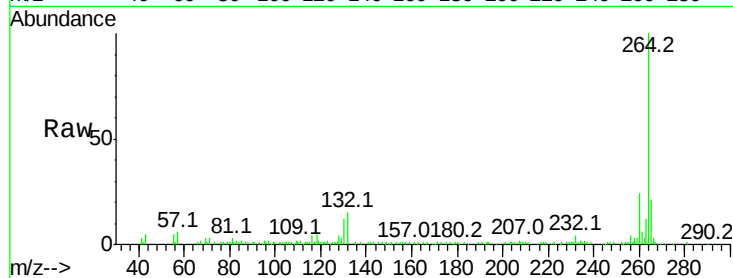




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

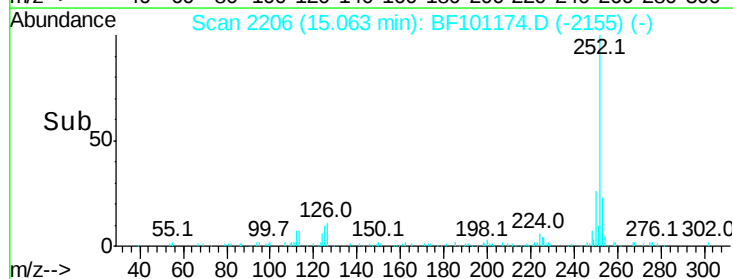
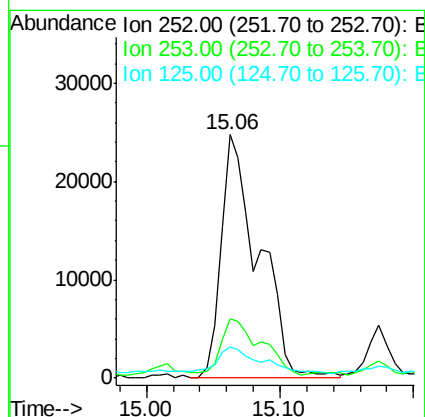
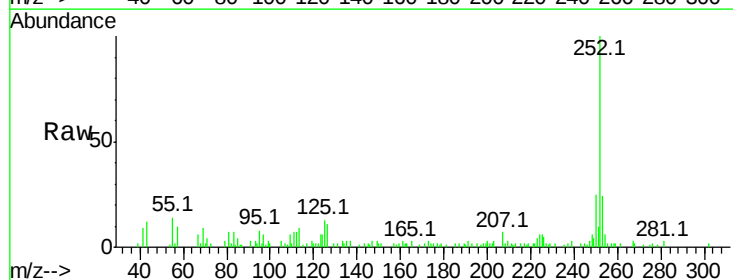
Instrument :
BNA_F
ClientSampleId :
OK-02-120417

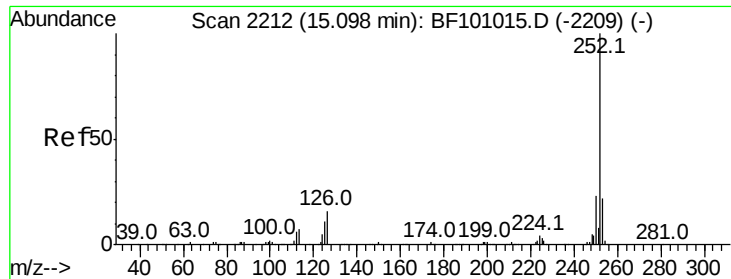
Tot Ion:264 Resp: 88472
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 9.153 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101174.D
Acq: 6 Dec 2017 18:12

Tgt Ion:252 Resp: 48504
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 12.7 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 9.290 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BF101174.D

Acq: 6 Dec 2017 18:12

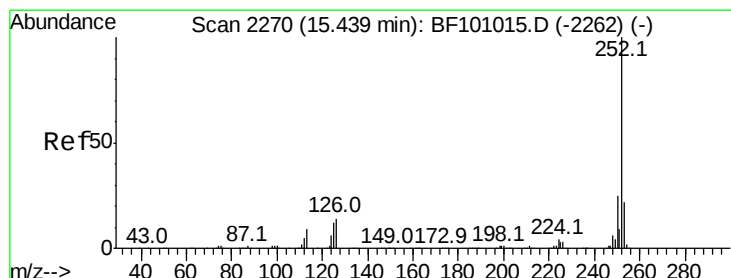
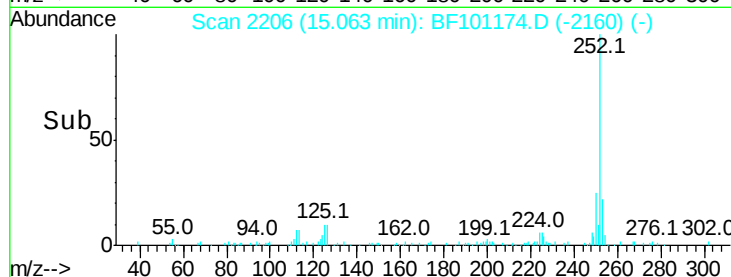
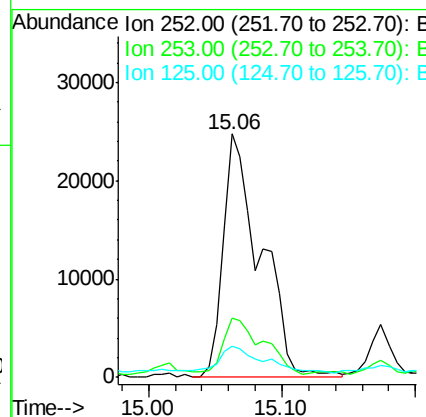
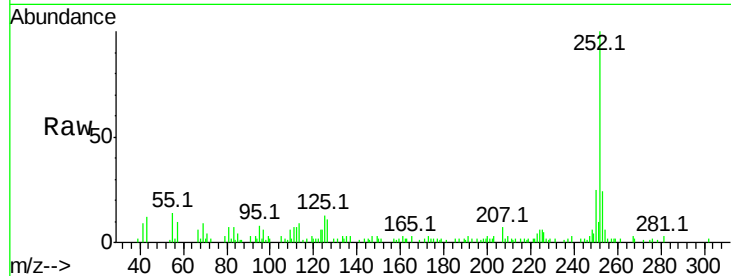
Instrument :

BNA_F

ClientSampleId :

OK-02-120417

Tot Ion:252	Resp:	48504
Ion Ratio	Lower	Upper
252	100	
253	24.1	17.9 26.9
125	12.7	10.2 15.2



#89

Benzo(a)pyrene

Concen: 5.345 ng

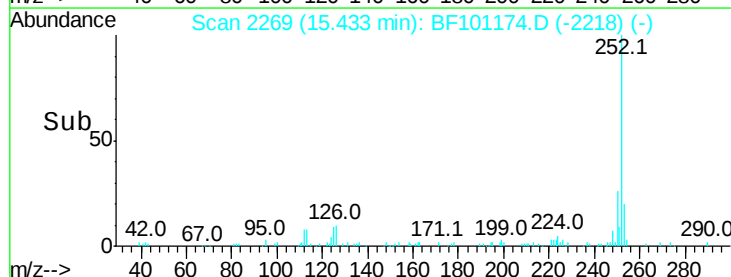
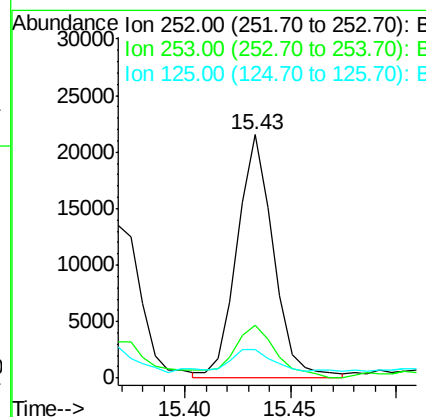
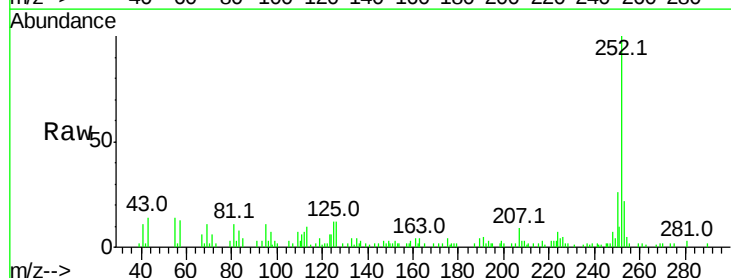
RT: 15.43 min Scan# 2269

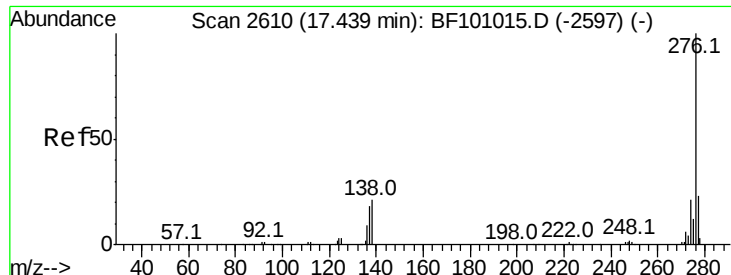
Delta R.T. 0.00 min

Lab File: BF101174.D

Acq: 6 Dec 2017 18:12

Tgt Ion:252	Resp:	25750
Ion Ratio	Lower	Upper
252	100	
253	21.8	17.1 25.7
125	12.0	9.8 14.6





#91

Benzo(a,h,i)perylene

Concen: 3.113 ng

RT: 17.44 min Scan# 2610

Delta R.T. 0.01 min

Lab File: BF101174.D

Acq: 6 Dec 2017 18:12

Instrument :

BNA_F

ClientSampleId :

OK-02-120417

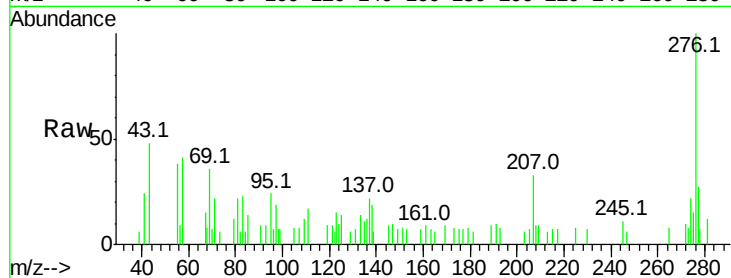
Tot Ion:276 Resp: 12460

Ion Ratio Lower Upper

276 100

277 27.2 17.9 26.9#

138 19.0 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

