

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120717\
 Data File : BF101214.D
 Acq On : 7 Dec 2017 19:19
 Operator : SJ/JU
 Sample : I6705-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 23:46:27 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	6.84	152	46000	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	164137	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	67444	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	116033	20.00	ng	0.00
75) Chrysene-d12	14.02	240	94973	20.00	ng	0.00
86) Perylene-d12	15.50	264	75368	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	272750	97.98	ng	0.00
7) Phenol-d6	6.48	99	316220	93.56	ng	0.00
23) Nitrobenzene-d5	7.41	82	177622	64.55	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	63924	78.90	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	265804	53.92	ng	-0.01
78) Terphenyl-d14	12.96	244	230968	53.19	ng	0.00

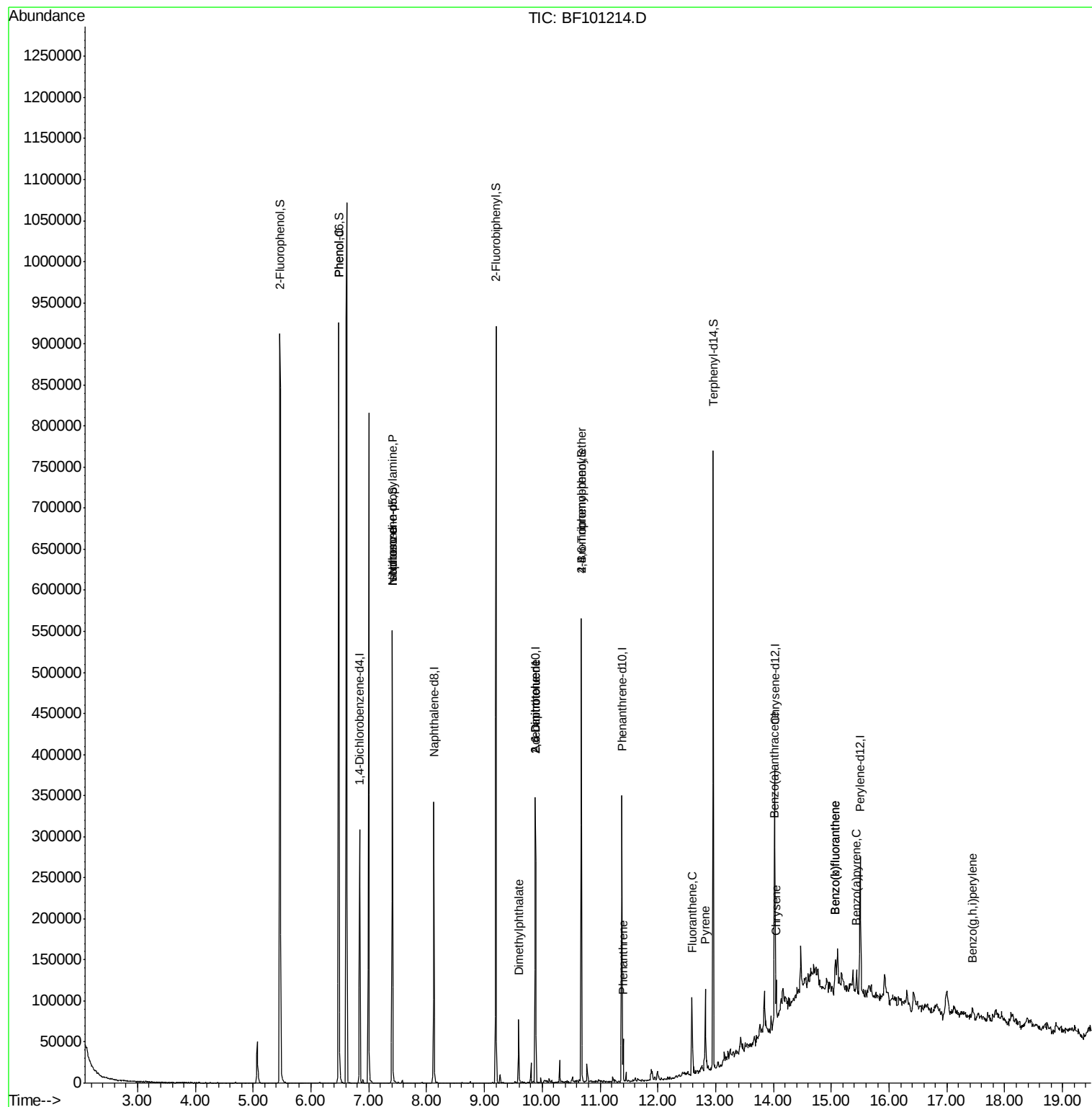
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	8906	2.370	ng	# 53
19) n-Nitroso-di-n-propylamine	7.41	70	23479	10.315	ng	# 78
25) Isophorone	7.41	82	177645	37.797	ng	# 64
49) Dimethylphthalate	9.59	163	28305	5.204	ng	100
50) 2,6-Dinitrotoluene	9.88	165	8326	7.268	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	8326	5.423	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	3974	3.060	ng	# 1
70) Phenanthrene	11.40	178	19412	3.038	ng	99
74) Fluoranthene	12.59	202	39280	5.546	ng	93
77) Pyrene	12.82	202	37080	5.658	ng	98
80) Benzo(a)anthracene	14.01	228	20205	3.369	ng	97
82) Chrysene	14.04	228	17216	3.091	ng	95
87) Benzo(b)fluoranthene	15.07	252	25474	5.643	ng	# 89
88) Benzo(k)fluoranthene	15.07	252	25474	5.728	ng	# 92
89) Benzo(a)pyrene	15.44	252	13906	3.388	ng	# 92
91) Benzo(g,h,i)perylene	17.44	276	8344	2.447	ng	# 79

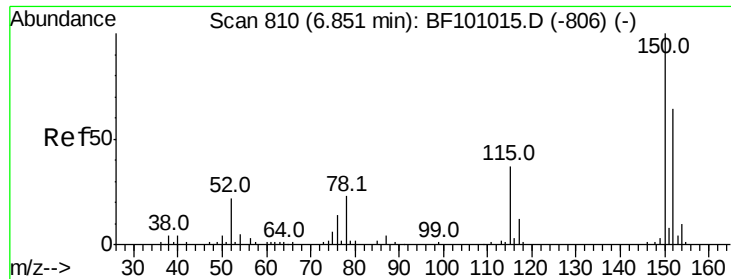
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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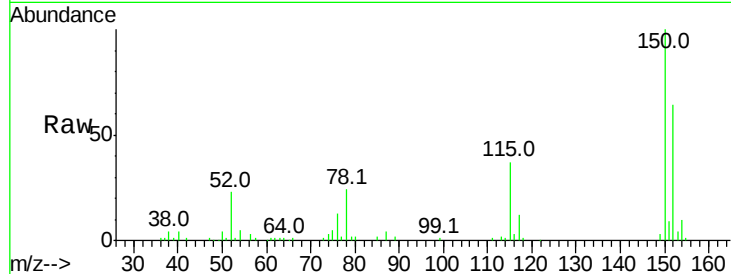


#1

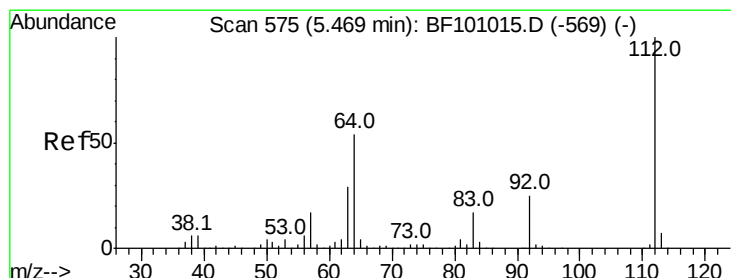
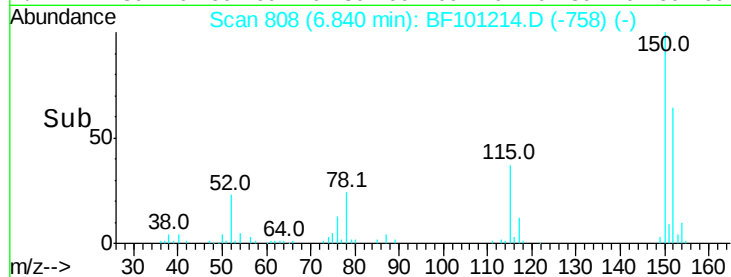
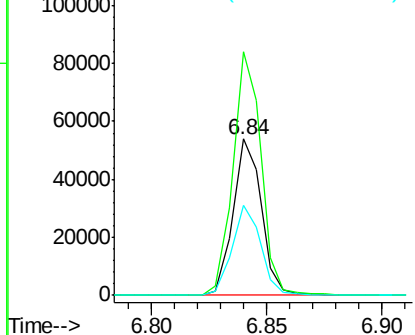
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 46000
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 57.9 50.1 75.1



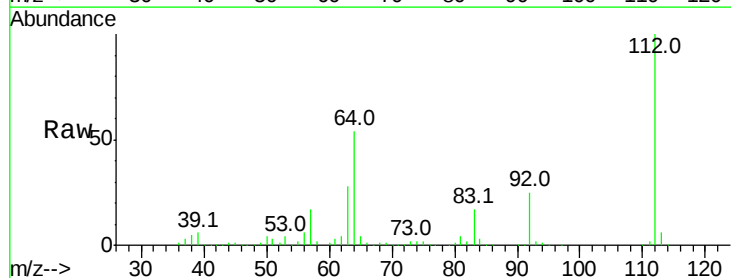
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



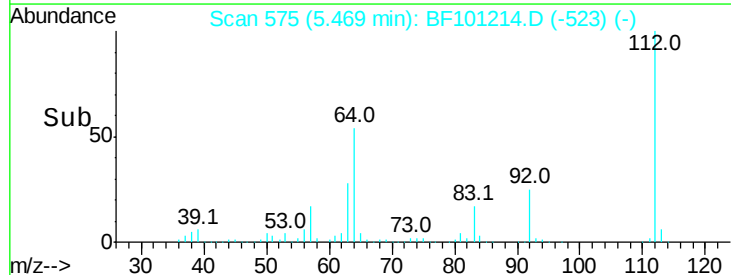
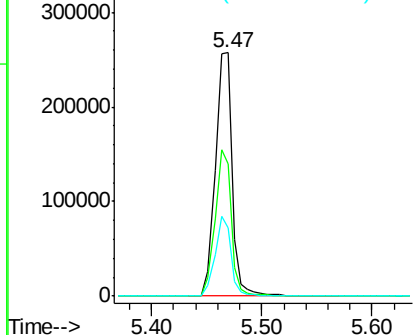
#5

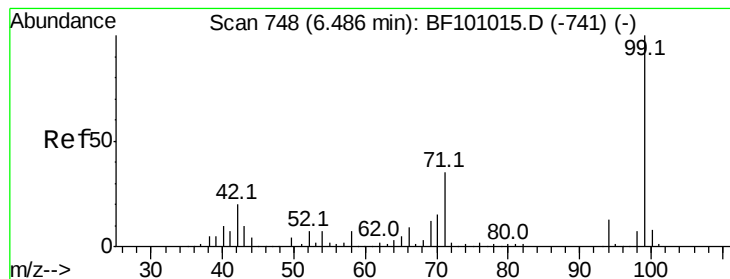
2-Fluorophenol
Concen: 97.979 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:112 Resp: 272750
Ion Ratio Lower Upper
112 100
64 54.5 47.9 71.9
63 27.8 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: 93.563 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101214.D

Acq: 7 Dec 2017 19:19

Instrument :

BNA_F

ClientSampleId :

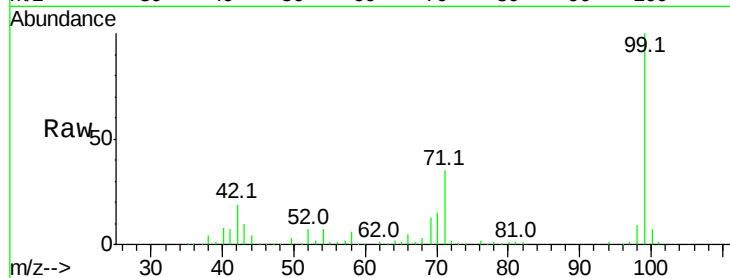
Tot Ion: 99 Resp: 316220

Ion Ratio Lower Upper

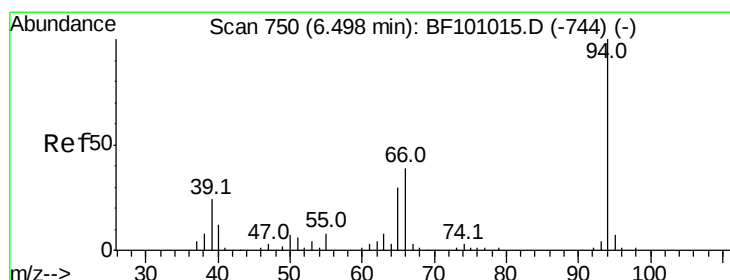
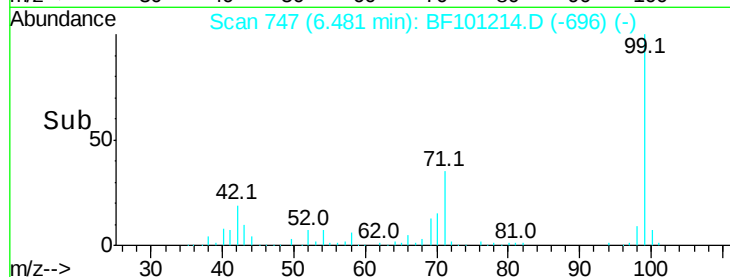
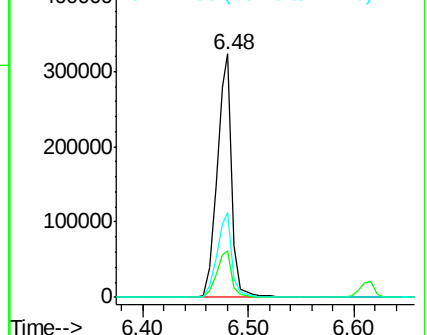
99 100

42 19.2 14.5 21.7

71 34.6 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



#10

Phenol

Concen: 2.370 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF101214.D

Acq: 7 Dec 2017 19:19

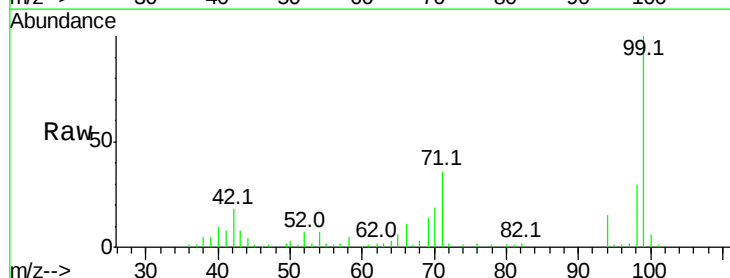
Tgt Ion: 94 Resp: 8906

Ion Ratio Lower Upper

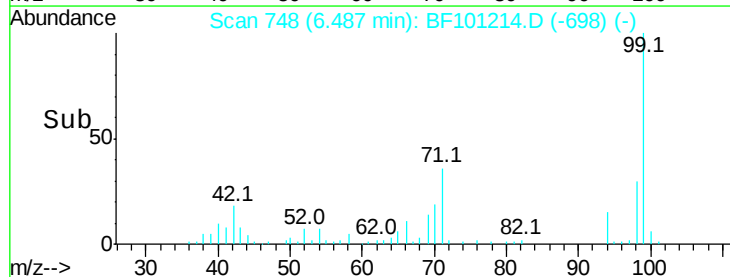
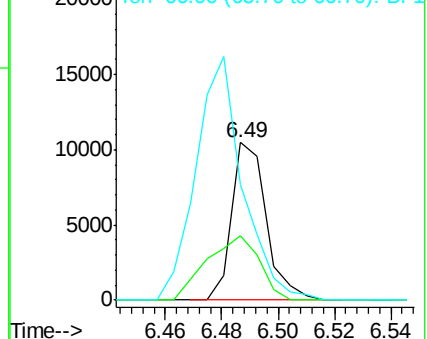
94 100

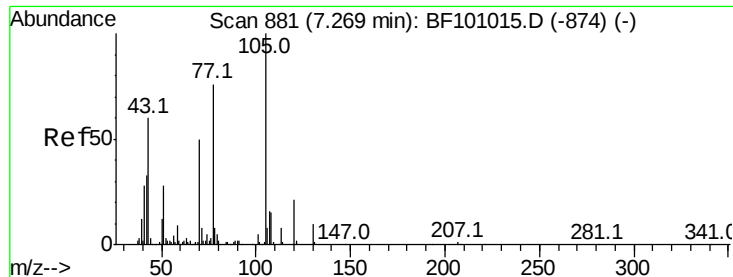
65 40.6 7.9 47.9

66 73.8 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

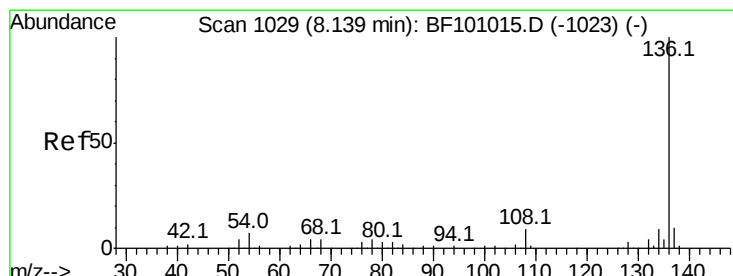
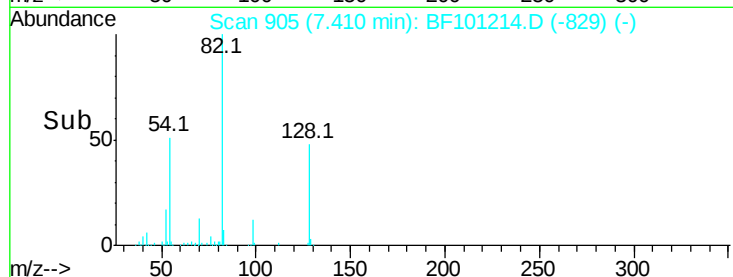
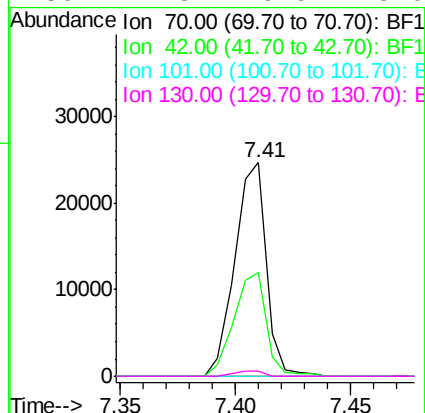
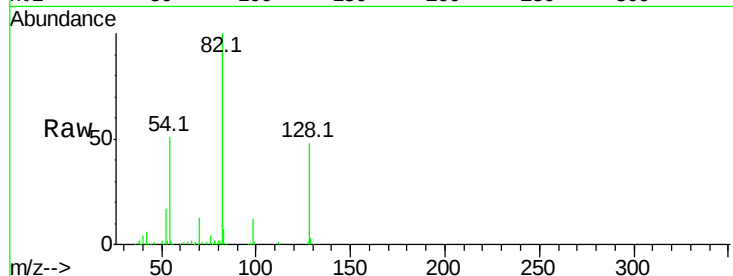




#19
n-Nitroso-di-n-propylamine
Concen: 10.315 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.15 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

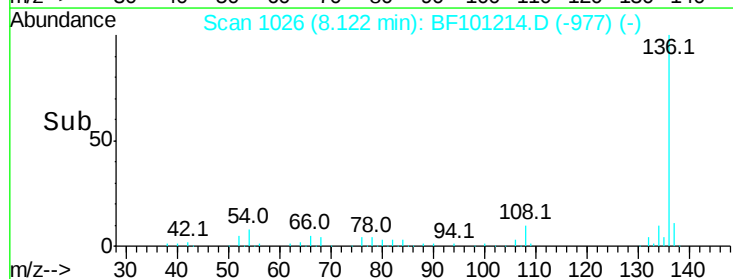
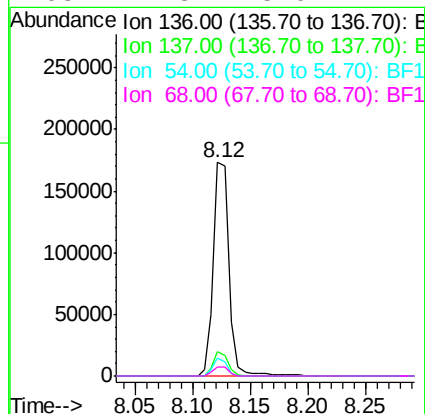
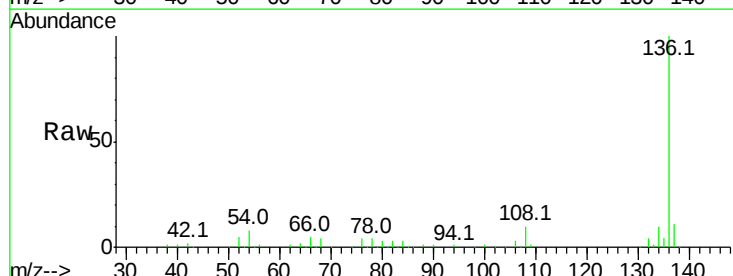
Instrument :
BNA_F
ClientSampleId :

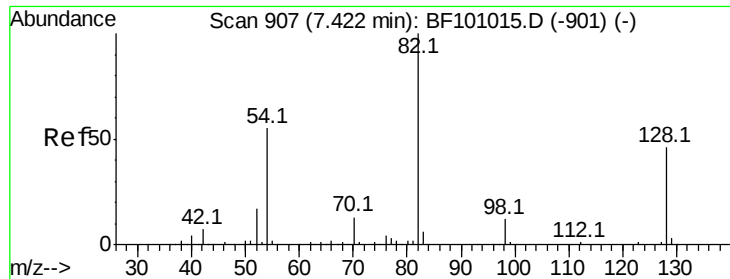
Tot Ion: 70 Resp: 23479
Ion Ratio Lower Upper
70 100
42 48.5 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:136 Resp: 164137
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.3 6.6 9.8
68 4.3 5.0 7.4#





#23

Nitrobenzene-d5

Concen: 64.554 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF101214.D

Acq: 7 Dec 2017 19:19

Instrument :

BNA_F

ClientSampleId :

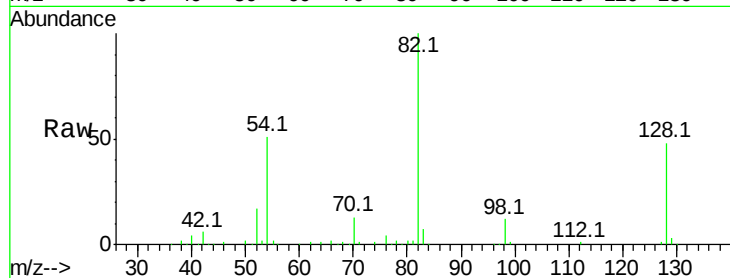
Tot Ion: 82 Resp: 177622

Ion Ratio Lower Upper

82 100

128 48.1 36.1 54.1

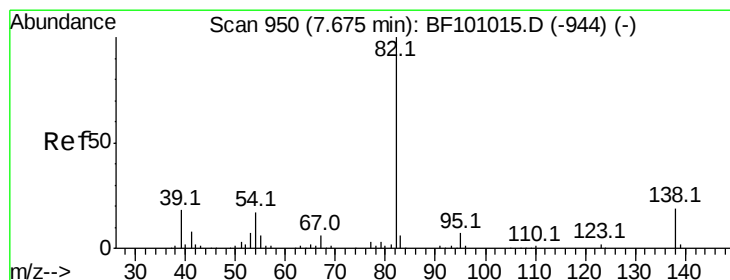
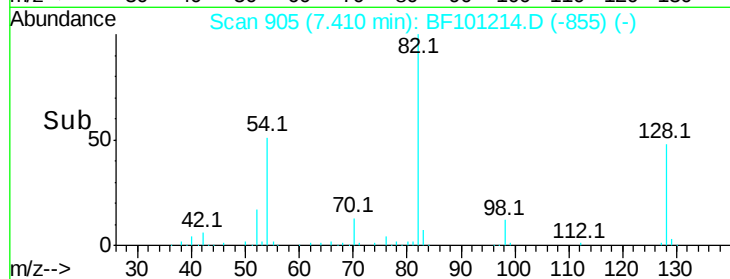
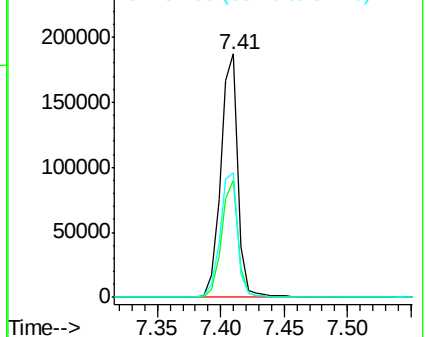
54 51.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 37.797 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101214.D

Acq: 7 Dec 2017 19:19

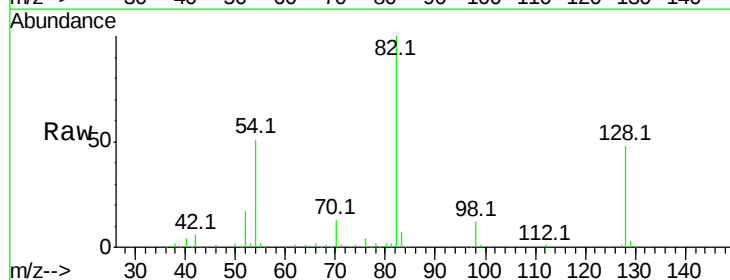
Tgt Ion: 82 Resp: 177645

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

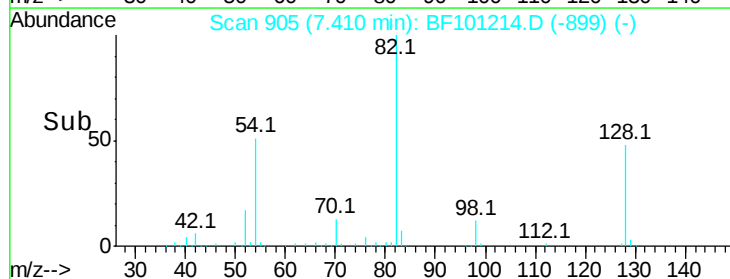
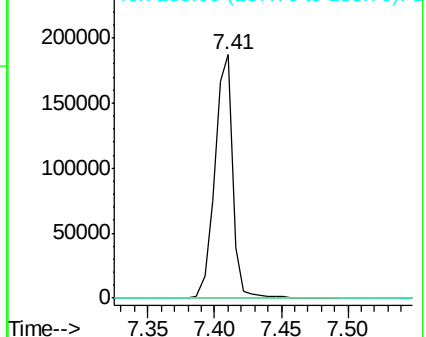
138 0.0 14.9 22.3#

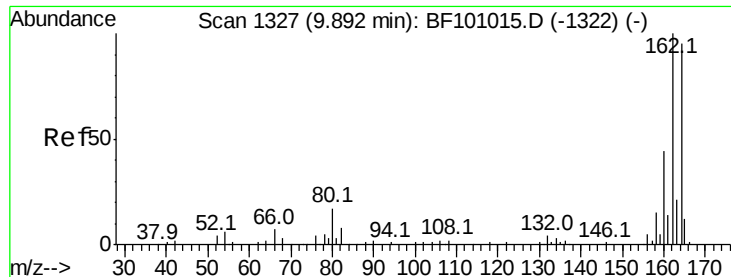


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

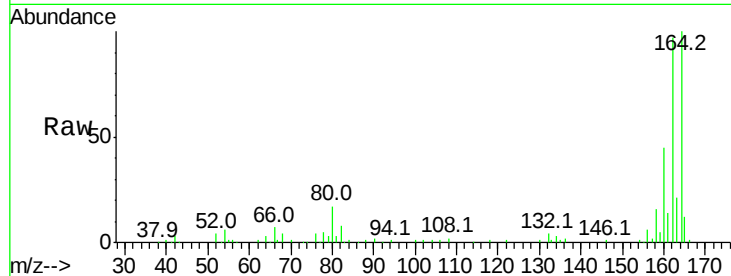




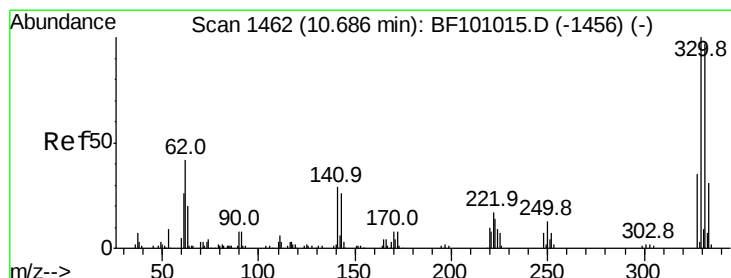
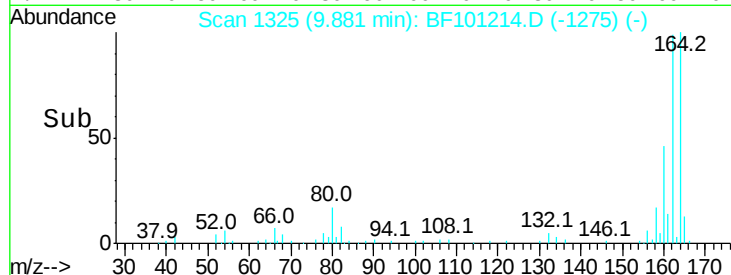
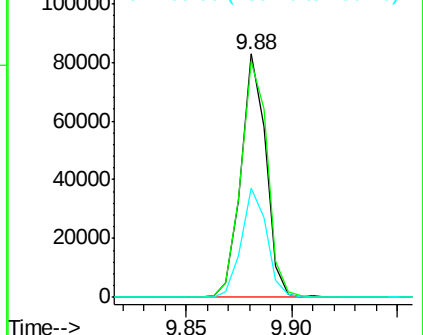
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 67444
Ion Ratio Lower Upper
164 100
162 96.8 86.1 129.1
160 45.0 38.3 57.5

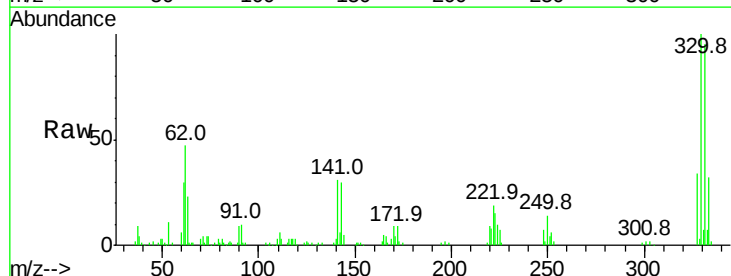


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

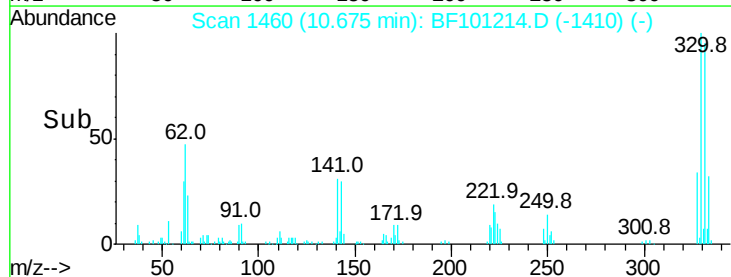
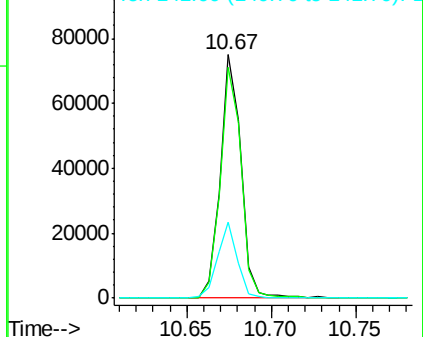


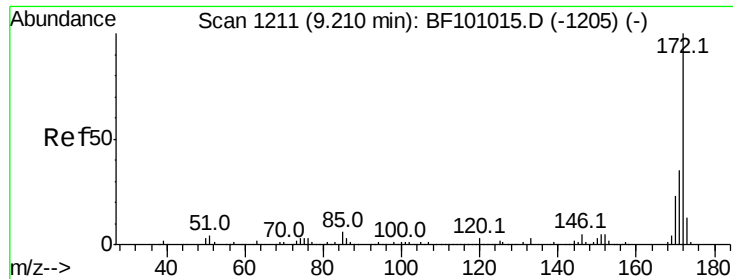
#41
2,4,6-Tribromophenol
Concen: 78.900 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:330 Resp: 63924
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.6
141 29.9 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

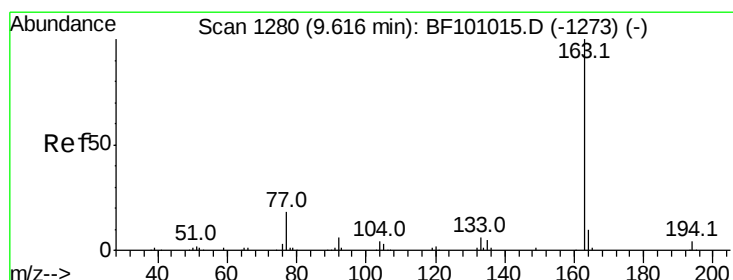
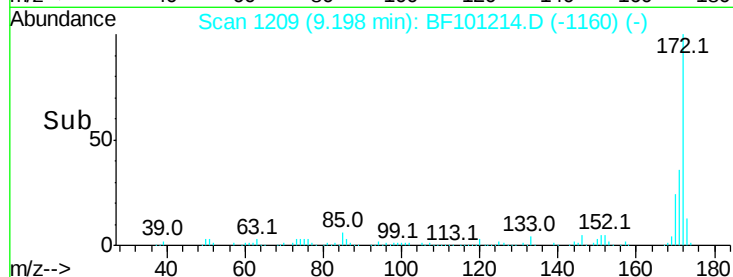
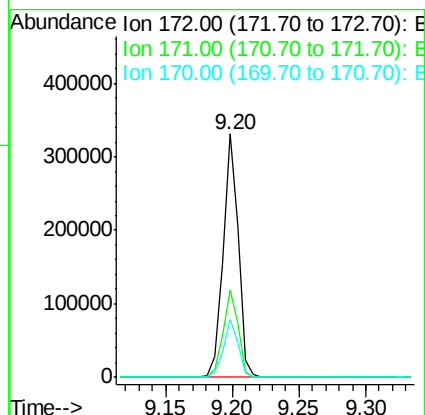
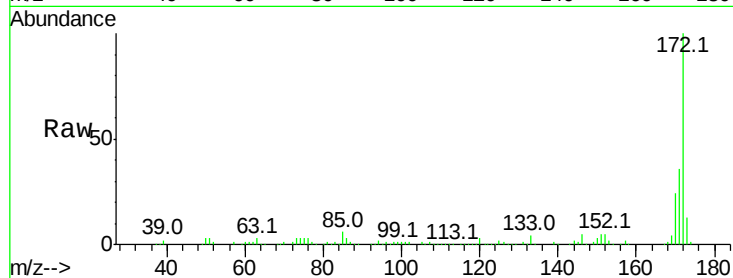




#44
2-Fluorobiphenyl
Concen: 53.922 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

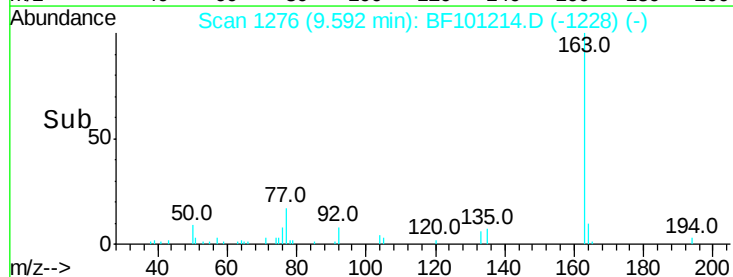
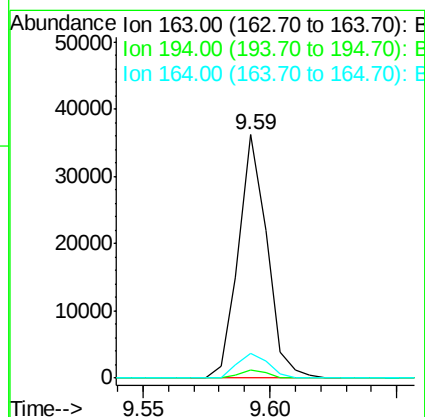
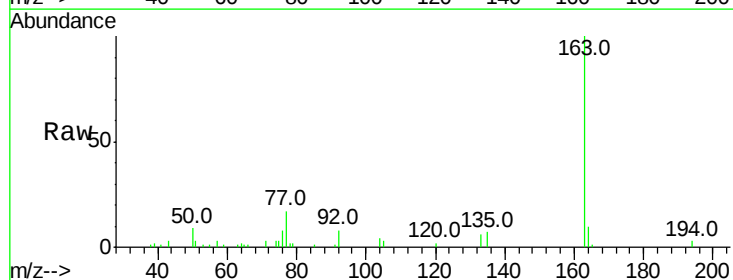
Instrument :
BNA_F
ClientSampleId :

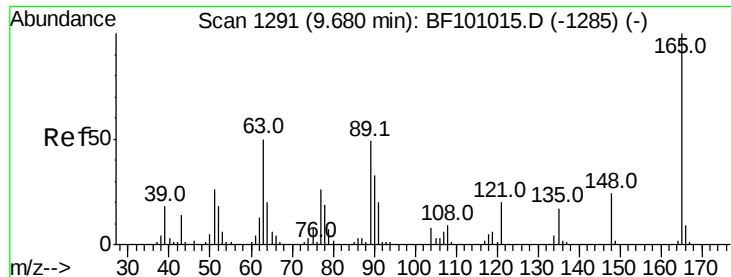
Tot Ion:172 Resp: 265804
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 23.8 19.6 29.4



#49
Dimethylphthalate
Concen: 5.204 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:163 Resp: 28305
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.2 8.2 12.2

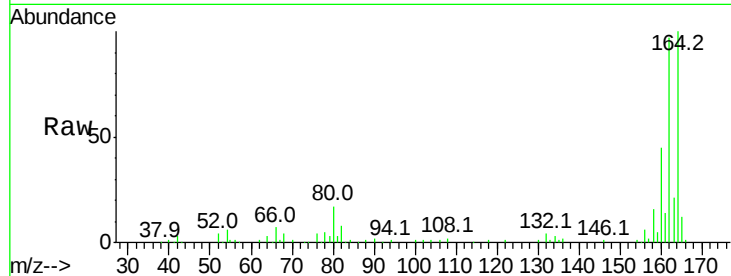




#50
 2,6-Dinitrotoluene
 Concen: 7.268 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.21 min
 Lab File: BF101214.D
 Acq: 7 Dec 2017 19:19

Instrument :
 BNA_F
 ClientSampleId :

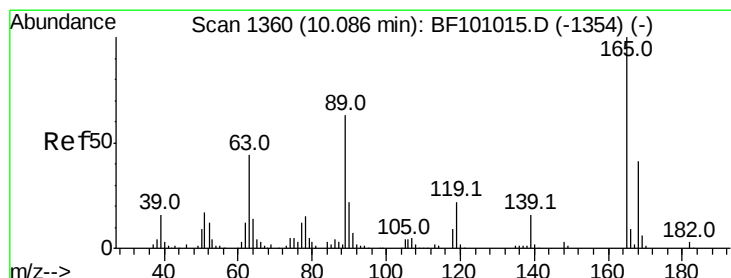
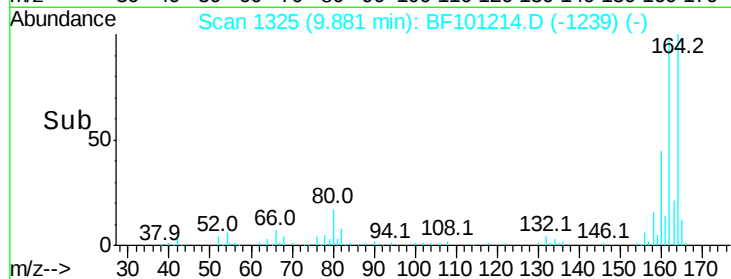
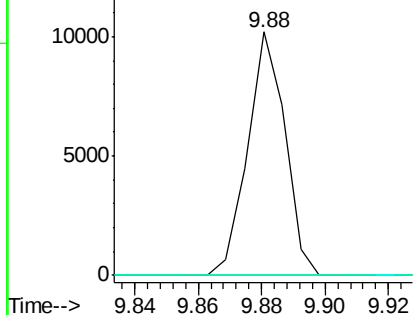
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

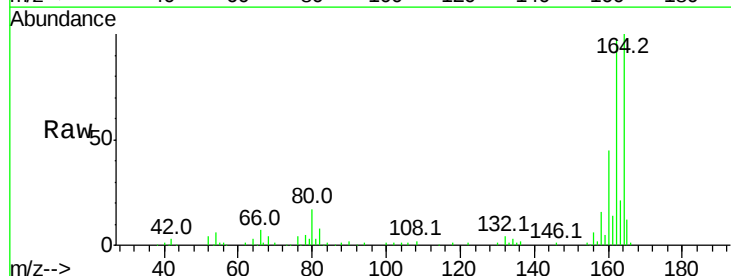
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 5.423 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101214.D
 Acq: 7 Dec 2017 19:19

Tgt 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#

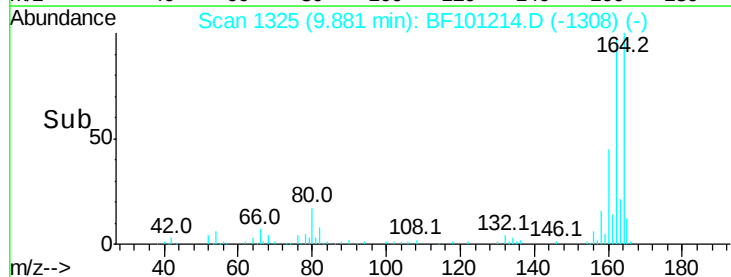
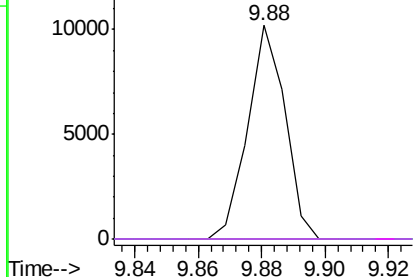


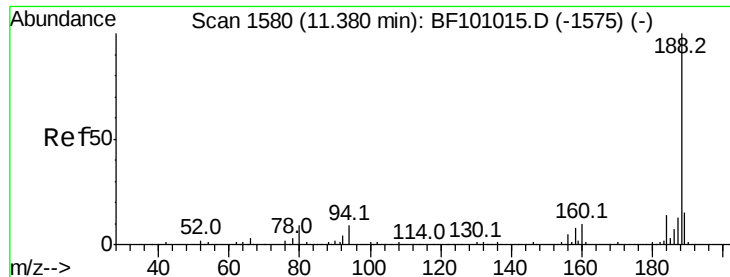
Abundance Ion 165.00 (164.70 to 165.70): E

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

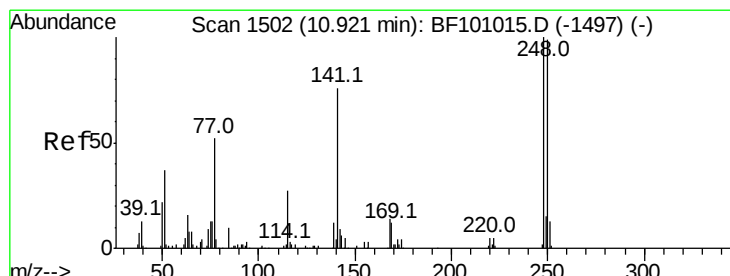
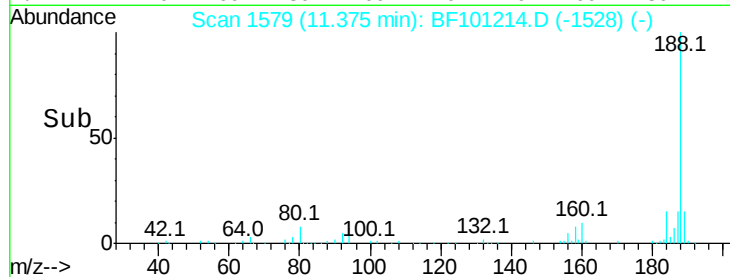
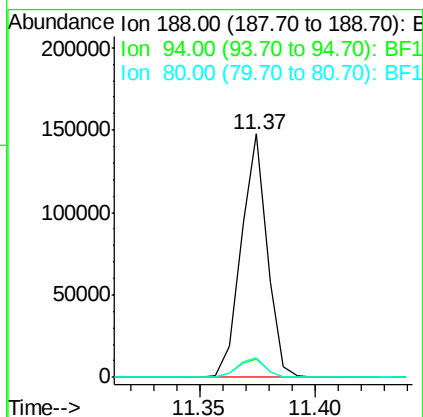
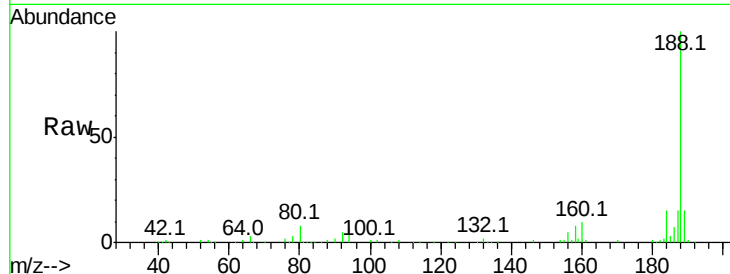




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

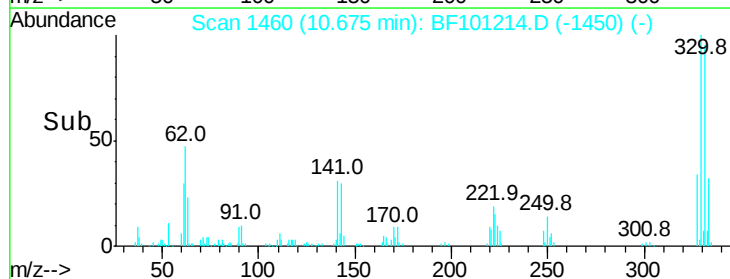
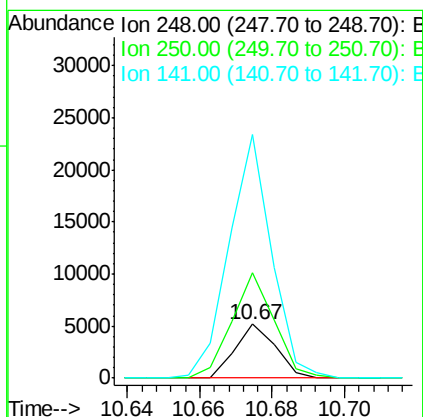
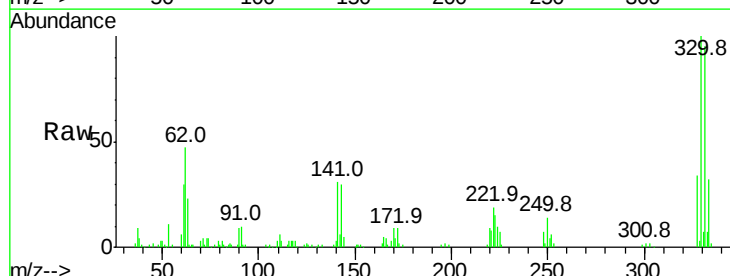
Instrument :
BNA_F
ClientSampleId :

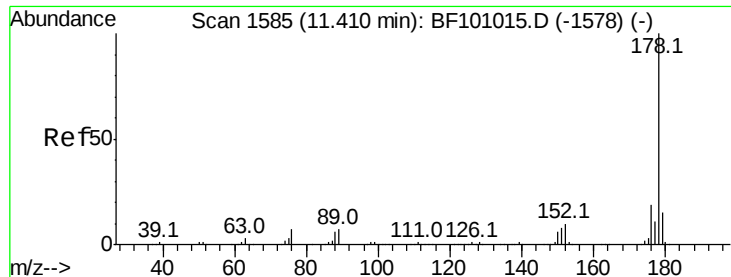
Tot Ion:188 Resp: 116033
Ion Ratio Lower Upper
188 100
94 7.4 8.5 12.7#
80 8.3 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 3.060 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:248 Resp: 3974
Ion Ratio Lower Upper
248 100
250 196.9 76.9 115.3#
141 453.7 74.4 111.6#





#70

Phenanthrene

Concen: 3.038 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF101214.D

Acq: 7 Dec 2017 19:19

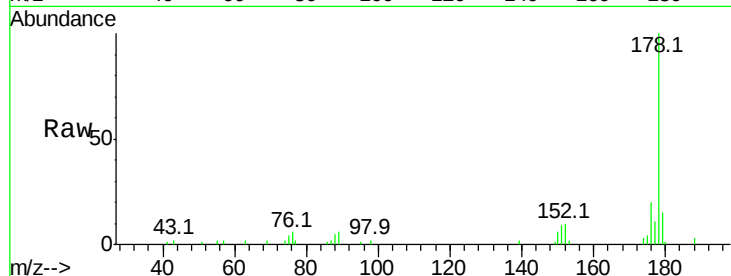
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 19412

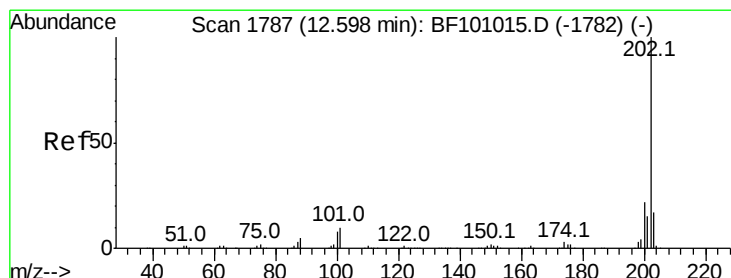
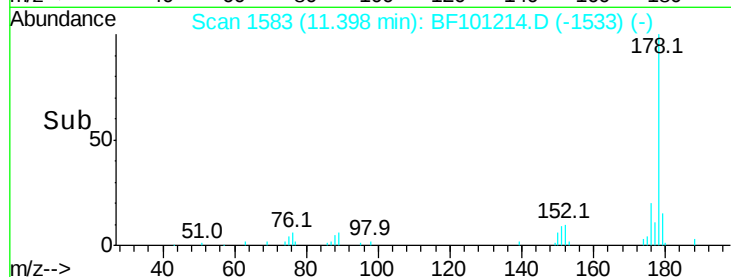
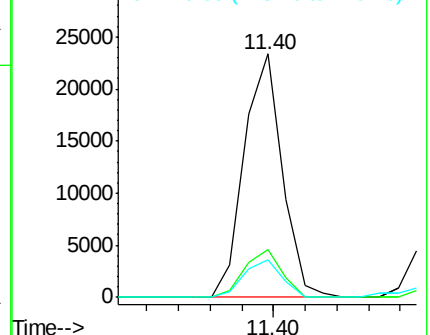
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.5	13.0	19.6



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



#74

Fluoranthene

Concen: 5.546 ng

RT: 12.59 min Scan# 1786

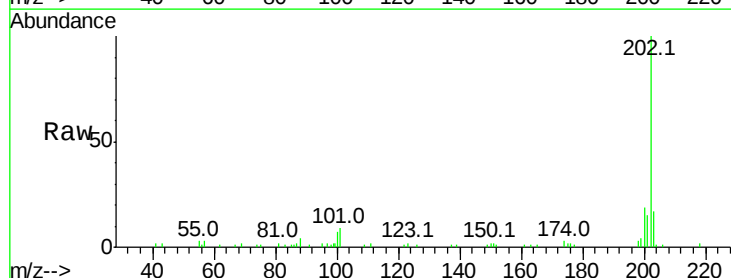
Delta R.T. 0.00 min

Lab File: BF101214.D

Acq: 7 Dec 2017 19:19

Tgt Ion:202 Resp: 39280

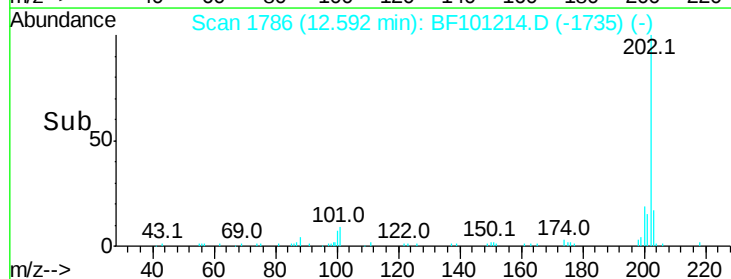
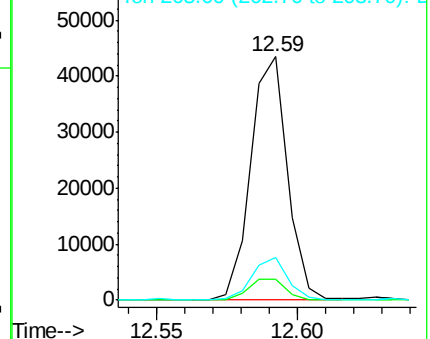
Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	34.1
203	17.4	0.0	38.1

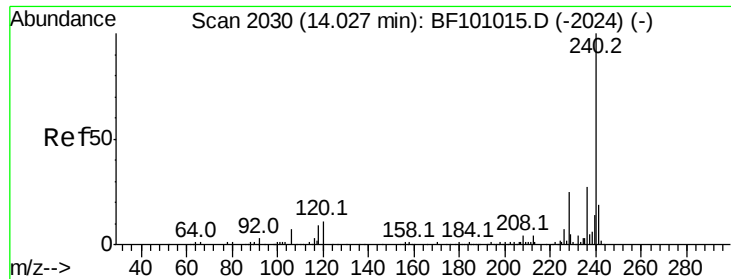


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF101214.D

Acq: 7 Dec 2017 19:19

Instrument :

BNA_F

ClientSampled :

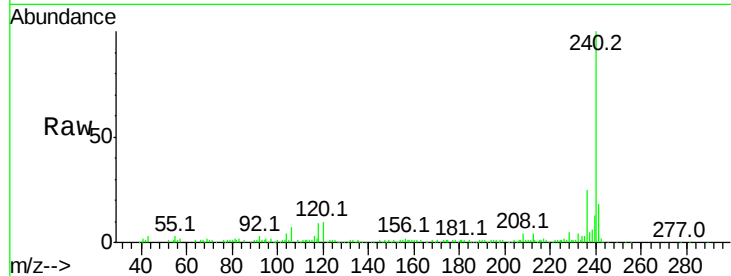
Tot Ion:240 Resp: 94973

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

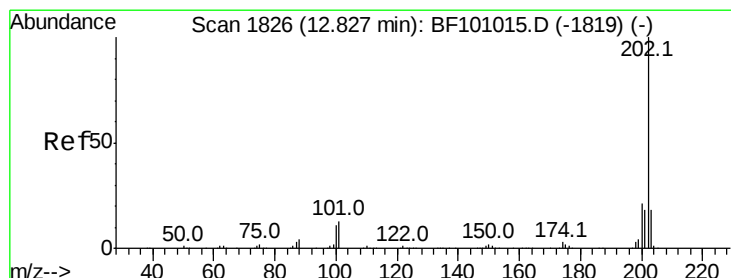
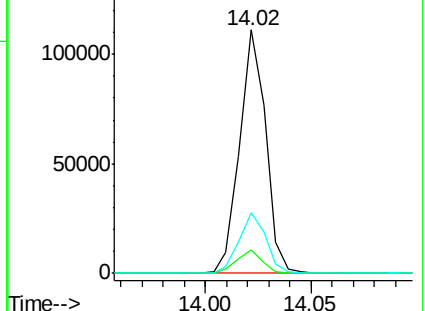
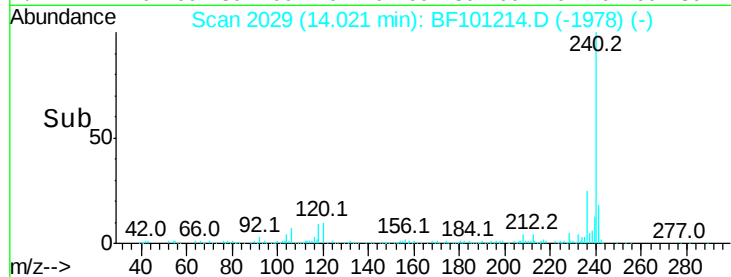
236 24.7 20.7 31.1



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

Pyrene

Concen: 5.658 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF101214.D

Acq: 7 Dec 2017 19:19

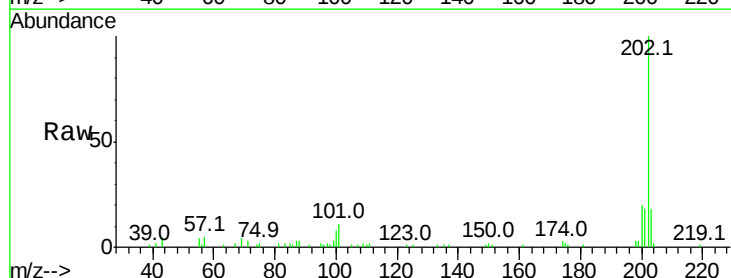
Tgt Ion:202 Resp: 37080

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

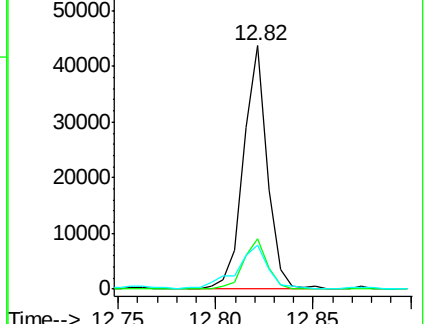
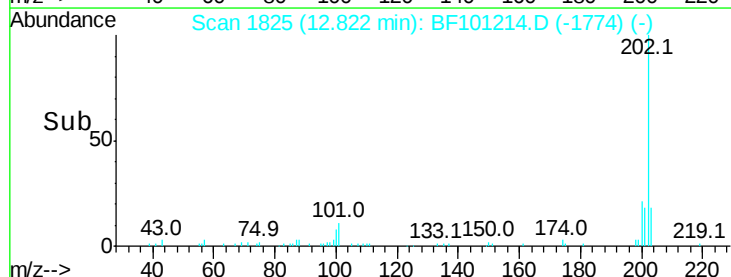
203 18.2 14.3 21.5

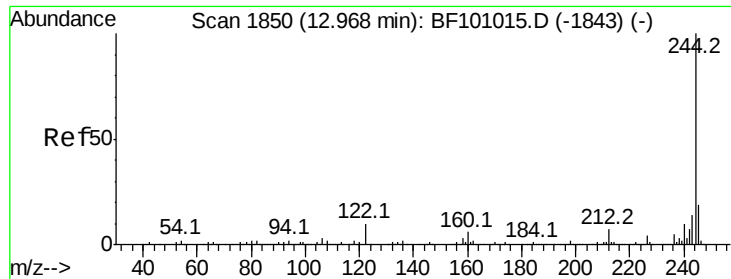


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

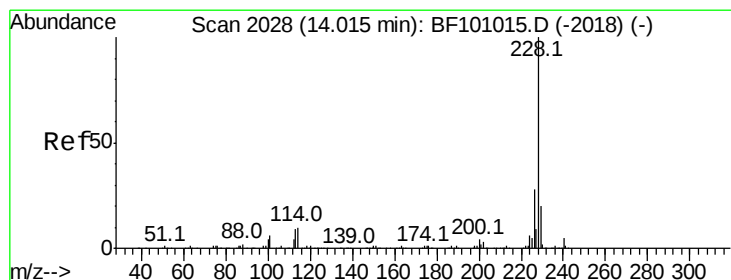
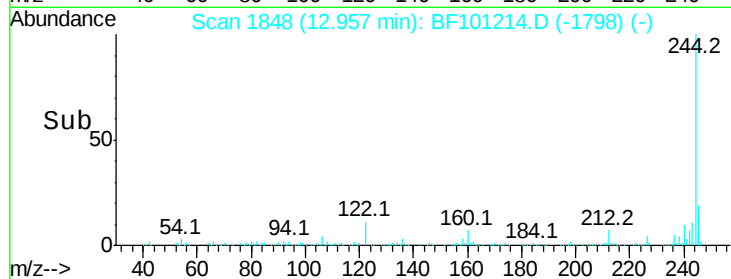
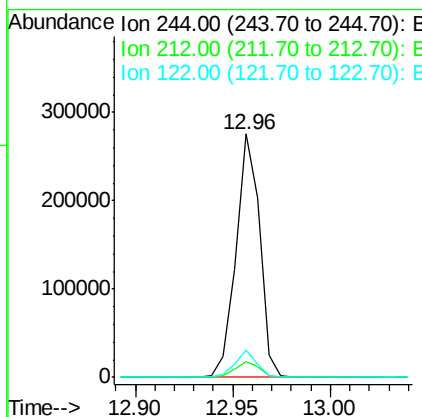
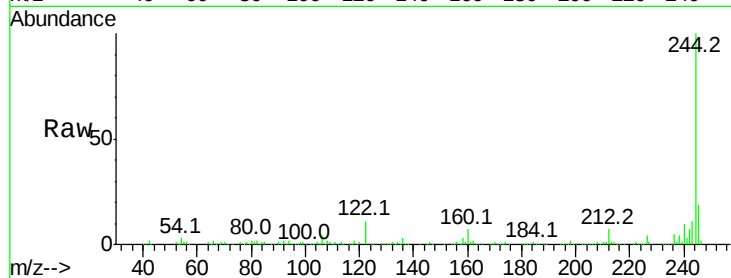




#78
 Terphenyl-d14
 Concen: 53.193 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101214.D
 Acq: 7 Dec 2017 19:19

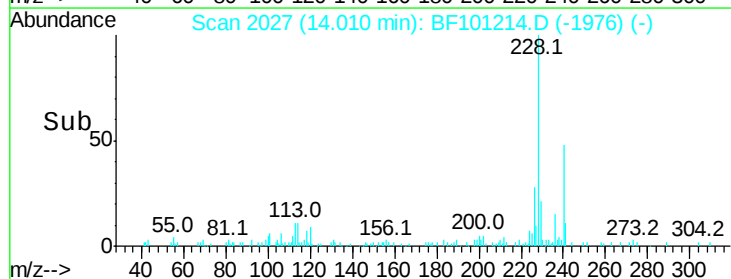
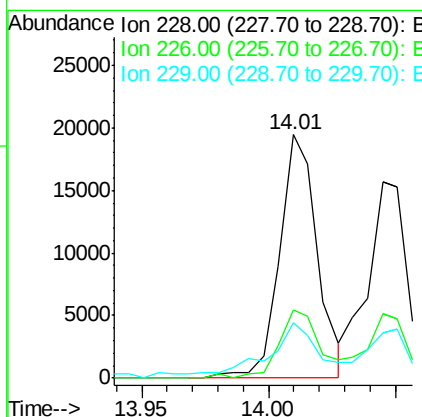
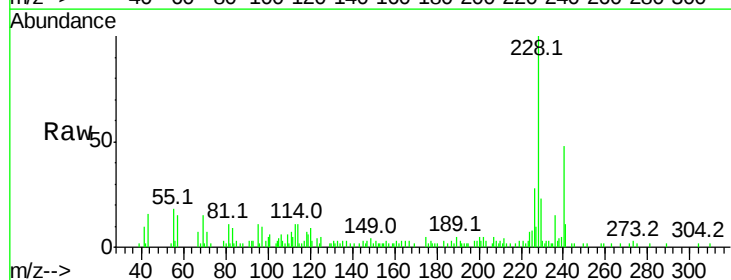
Instrument :
 BNA_F
 ClientSampleId :

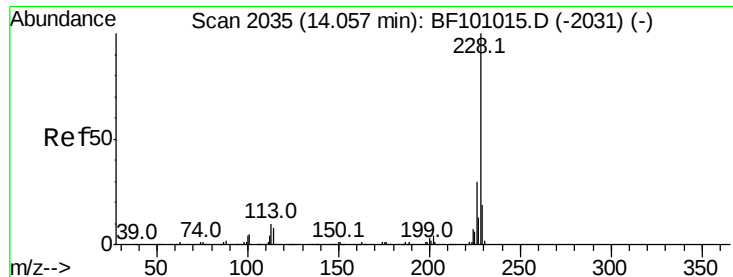
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.2	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 3.369 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF101214.D
 Acq: 7 Dec 2017 19:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	22.8	15.8	23.6

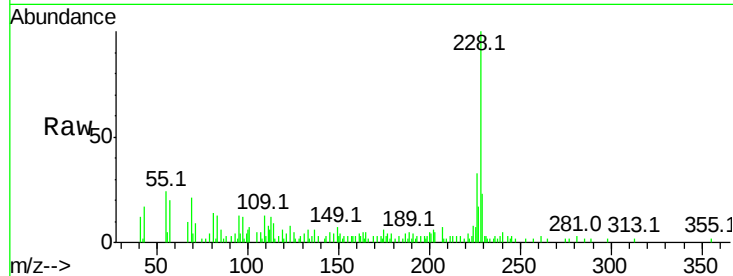




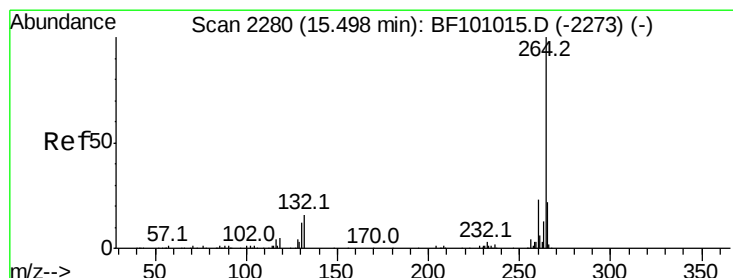
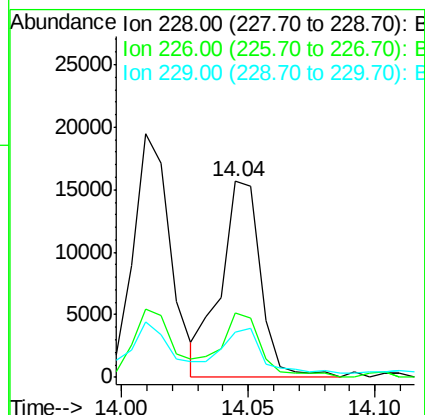
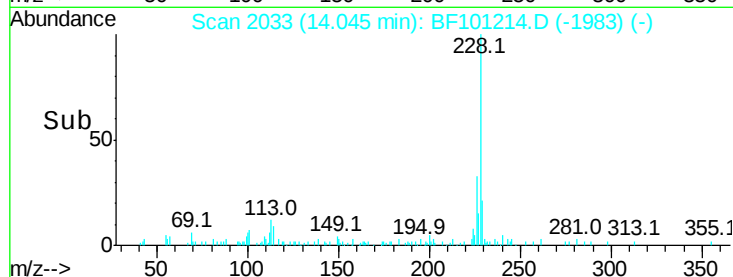
#82
Chrysene
Concen: 3.091 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 17216
Ion Ratio Lower Upper
228 100
226 33.1 25.0 37.6
229 23.4 16.2 24.4

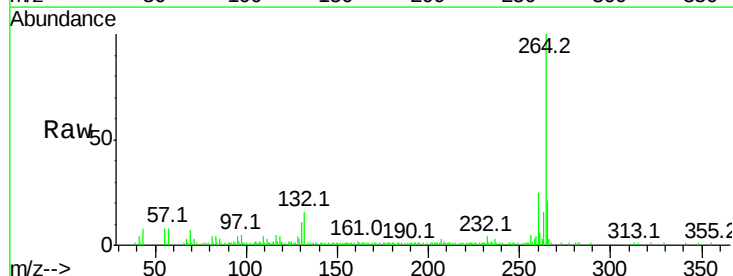


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

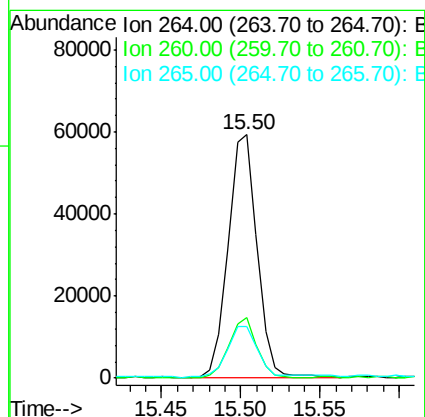
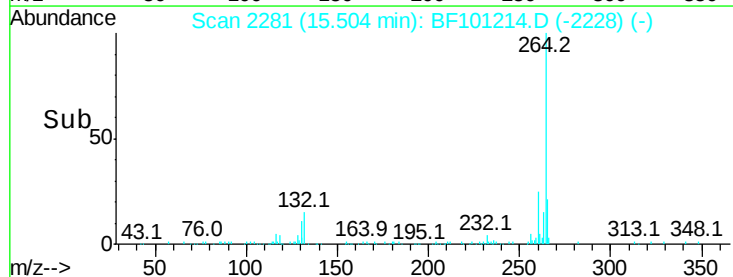


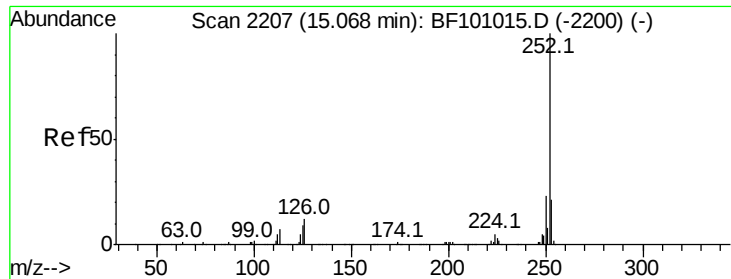
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion:264 Resp: 75368
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.2 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: 5.643 ng

RT: 15.07 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BF101214.D

Acq: 7 Dec 2017 19:19

Instrument :

BNA_F

ClientSampleId :

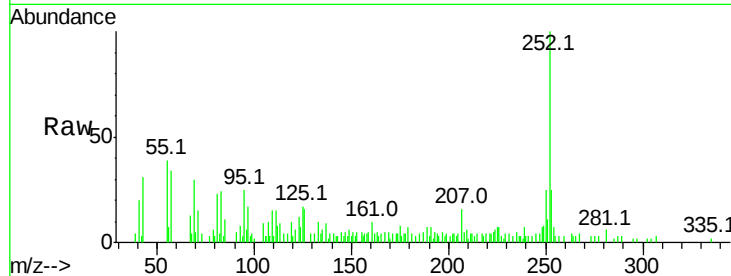
Tot Ion:252 Resp: 25474

Ion Ratio Lower Upper

252 100

253 25.3 17.0 25.6

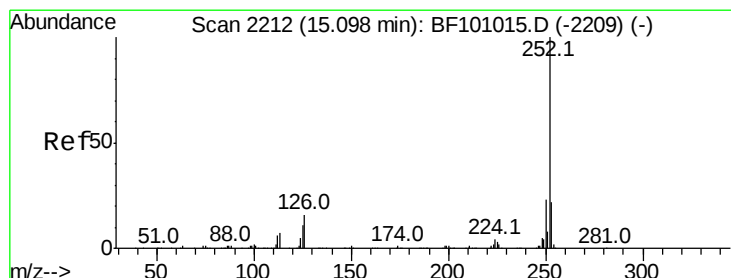
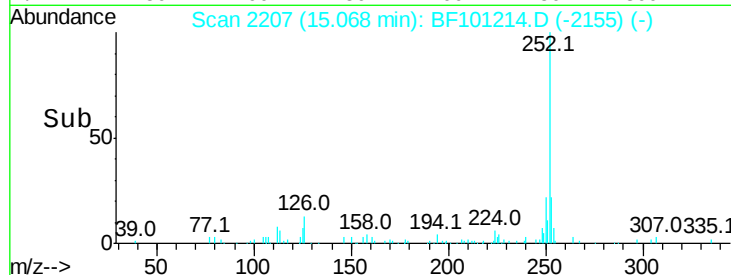
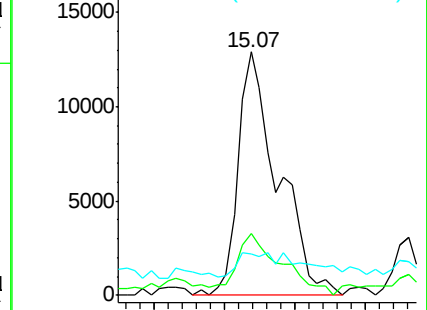
125 17.0 9.0 13.6#



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: 5.728 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.02 min

Lab File: BF101214.D

Acq: 7 Dec 2017 19:19

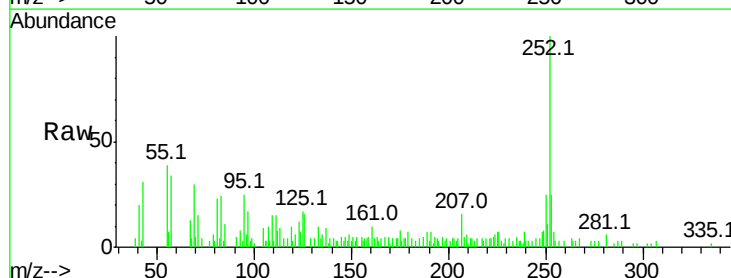
Tgt Ion:252 Resp: 25474

Ion Ratio Lower Upper

252 100

253 25.3 17.9 26.9

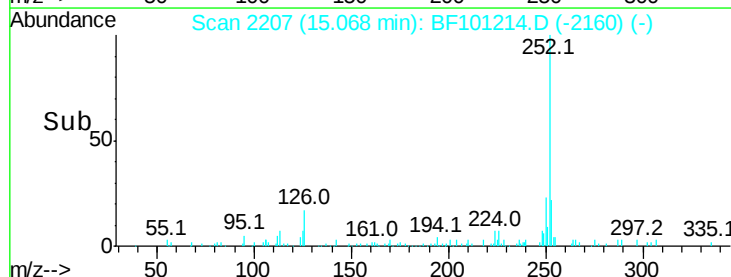
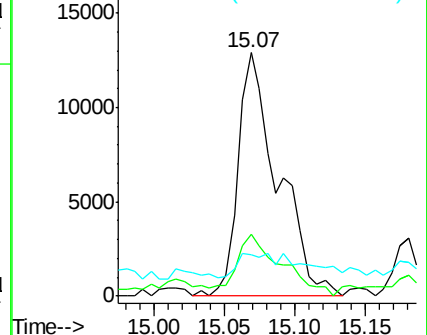
125 17.0 10.2 15.2#

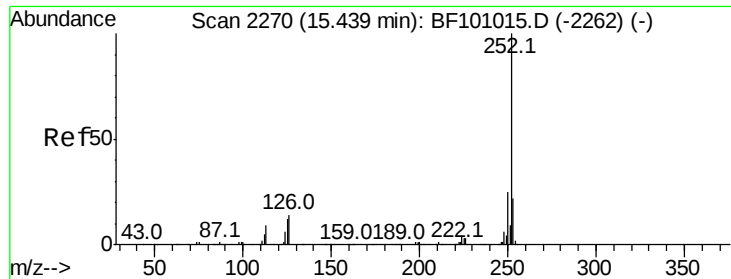


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

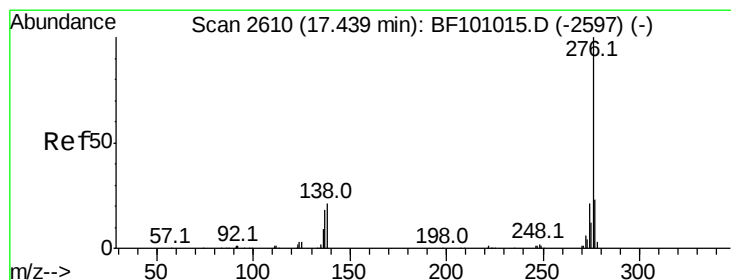
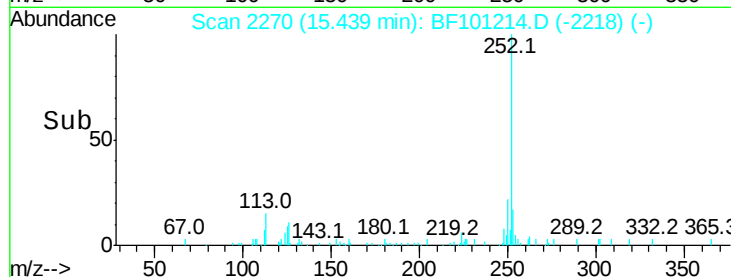
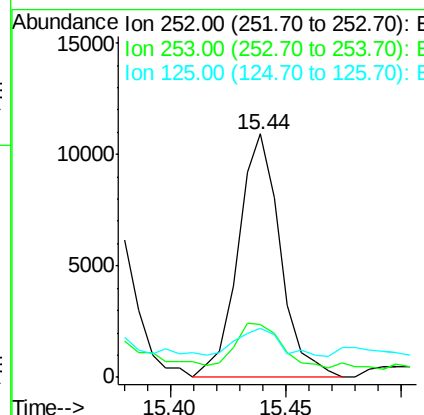
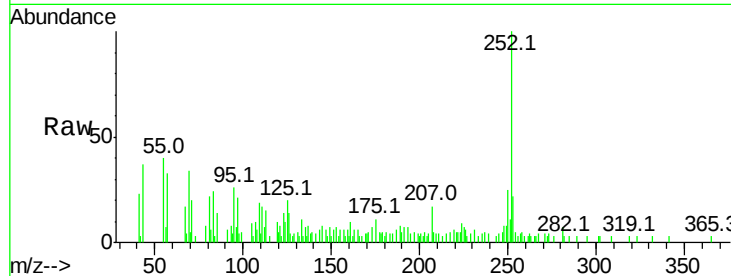




#89
Benzo(a)pyrene
Concen: 3.388 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	20.2	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 2.447 ng
RT: 17.44 min Scan# 2611
Delta R.T. 0.02 min
Lab File: BF101214.D
Acq: 7 Dec 2017 19:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	34.5	17.9	26.9
138	18.2	21.8	32.8

