

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF101988.D
 Acq On : 10 Jan 2018 19:30
 Operator : SJ/JU
 Sample : J1076-05 50X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14-01

Quant Time: Jan 11 01:55:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	212925	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	877731	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	375722	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	583674	20.00	ng	0.00
75) Chrysene-d12	13.87	240	321654	20.00	ng	0.00
86) Perylene-d12	15.29	264	349647	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	4758	0.32	ng	0.00
7) Phenol-d6	6.35	99	5578	0.31	ng	0.00
23) Nitrobenzene-d5	7.53	82	884	0.06	ng	0.24
41) 2,4,6-Tribromophenol	10.55	330	687	0.21	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	6804	0.28	ng	-0.01
78) Terphenyl-d14	12.82	244	5752	0.37	ng	-0.01

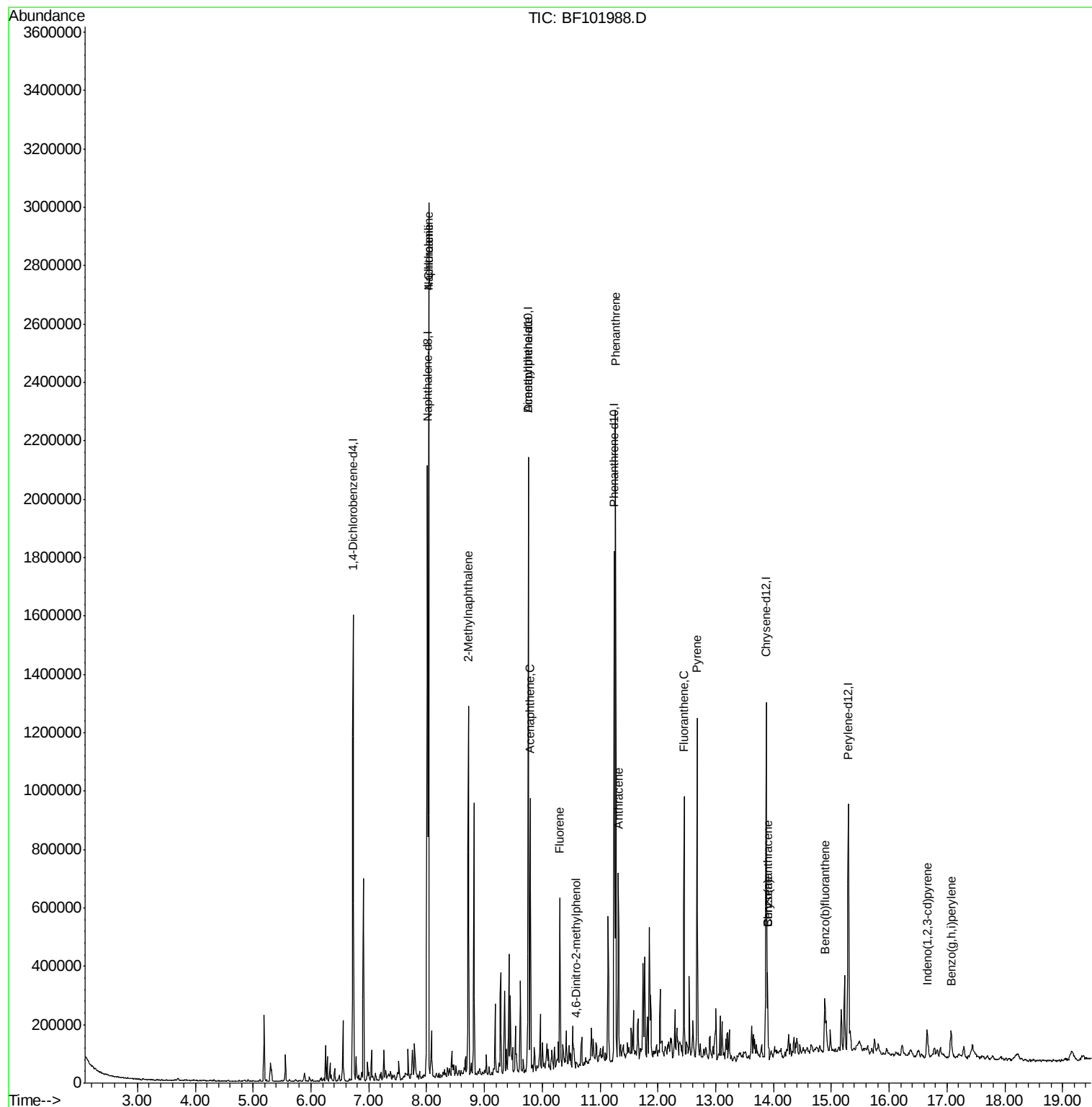
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.03	128	1217718	27.765	ng	100
33) 4-Chloroaniline	8.03	127	161536	8.629	ng	# 35
37) 2-Methylnaphthalene	8.72	142	290503	10.061	ng	99
49) Dimethylphthalate	9.76	163	105700	3.507	ng	# 1
51) Acenaphthene	9.79	154	175633	7.080	ng	97
57) Fluorene	10.30	166	149704	6.361	ng	100
64) 4,6-Dinitro-2-methylphenol	10.57	198	107	5.692	ng	# 1
70) Phenanthrene	11.27	178	710411	20.837	ng	99
71) Anthracene	11.32	178	219331	6.343	ng	97
74) Fluoranthene	12.45	202	312863	9.327	ng	99
77) Pyrene	12.68	202	422044	14.844	ng	98
80) Benzo(a)anthracene	13.90	228	95300	4.644	ng	94
82) Chrysene	13.90	228	95300	4.453	ng	98
85) Indeno(1,2,3-cd)pyrene	16.66	276	55243	3.547	ng	99
87) Benzo(b)fluoranthene	14.89	252	127403	5.588	ng	# 95
91) Benzo(g,h,i)perylene	17.07	276	67100	4.069	ng	# 93

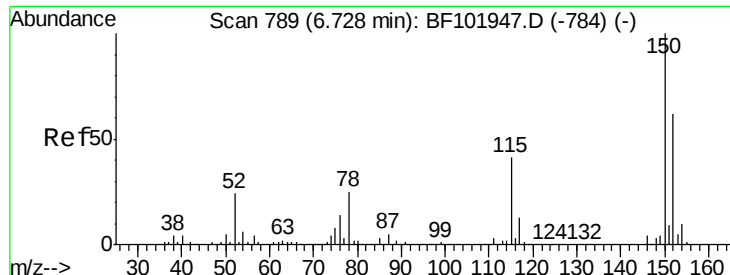
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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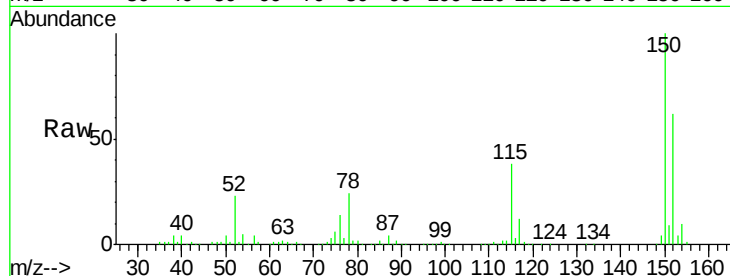


#1

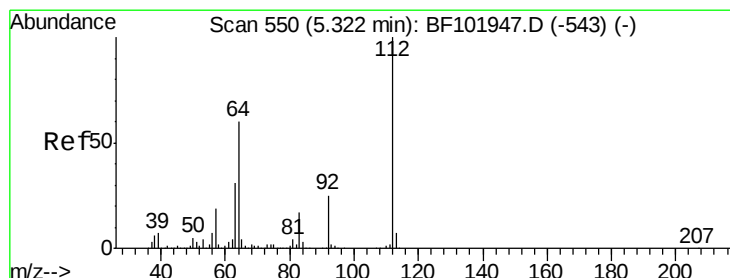
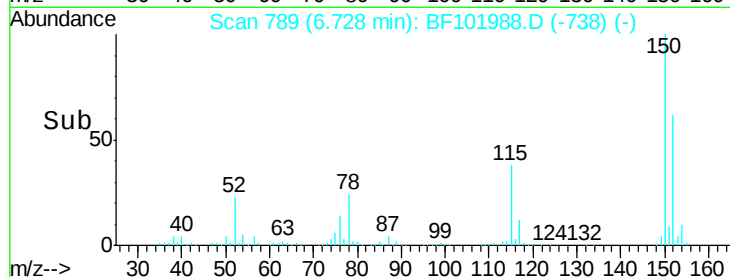
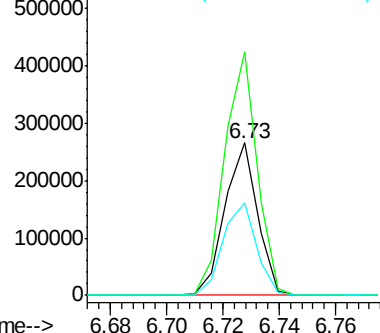
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Instrument :
BNA_F
ClientSampleId :
WC-14-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	60.7	50.1	75.1



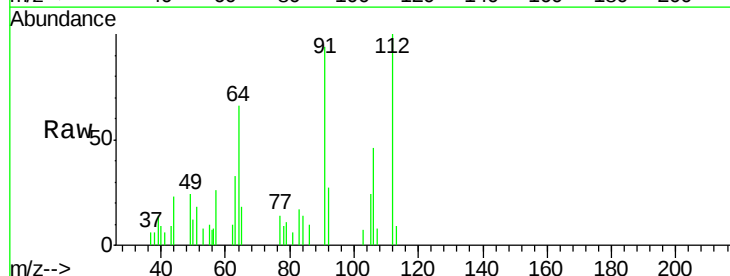
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



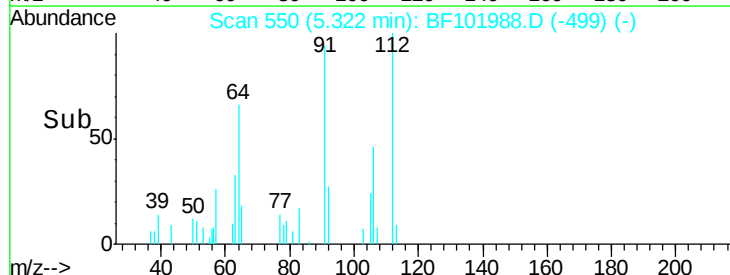
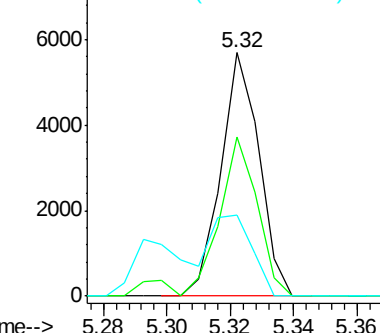
#5

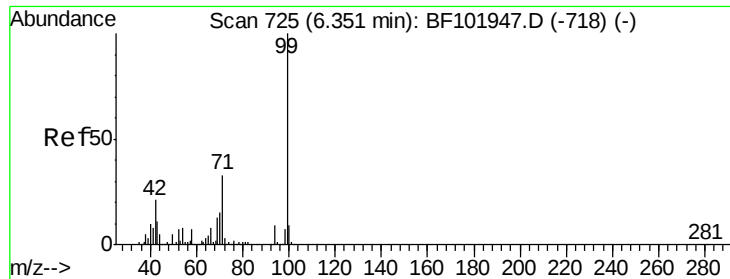
2-Fluorophenol
Concen: 0.316 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	47.9	71.9
63	33.3	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: 0.310 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF101988.D

Acq: 10 Jan 2018 19:30

Instrument :

BNA_F

ClientSampleId :

WC-14-01

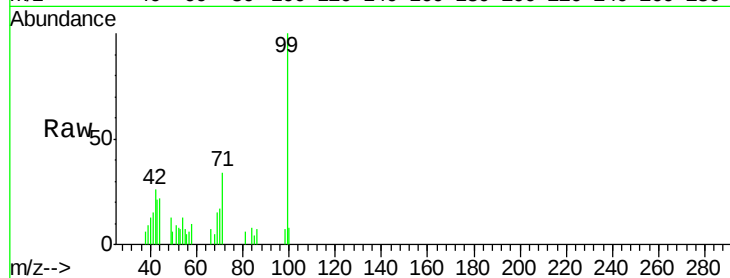
Tot Ion: 99 Resp: 5578

Ion Ratio Lower Upper

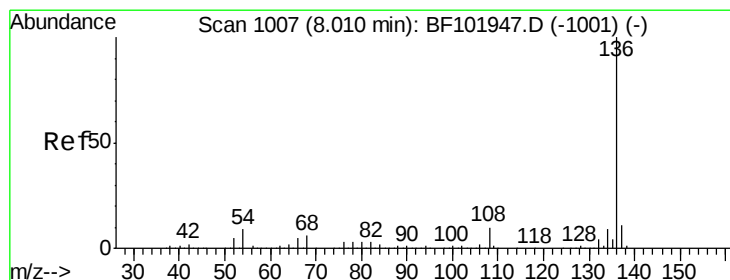
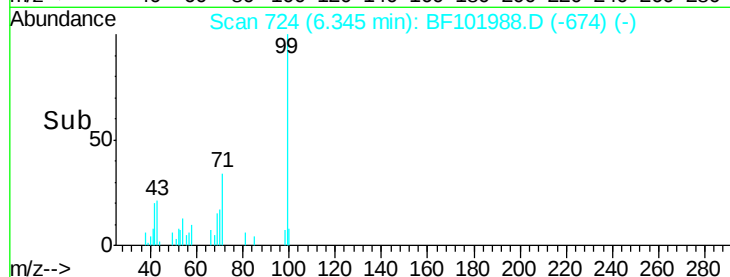
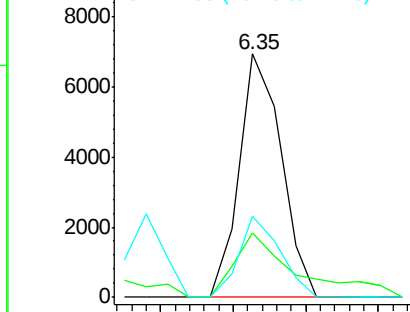
99 100

42 26.3 14.5 21.7#

71 33.5 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: 8.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF101988.D

Acq: 10 Jan 2018 19:30

Tgt Ion: 136 Resp: 877731

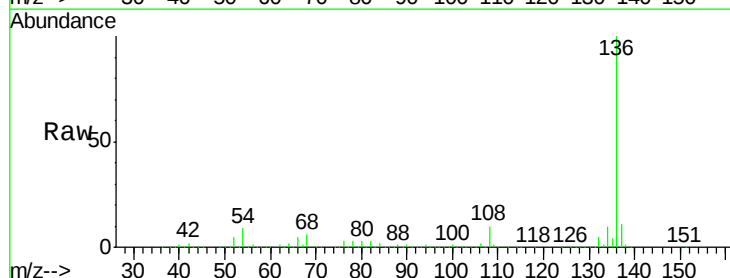
Ion Ratio Lower Upper

136 100

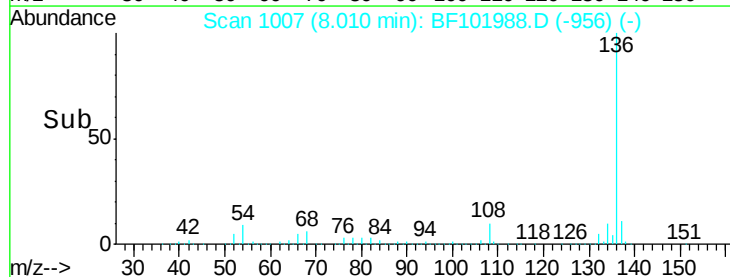
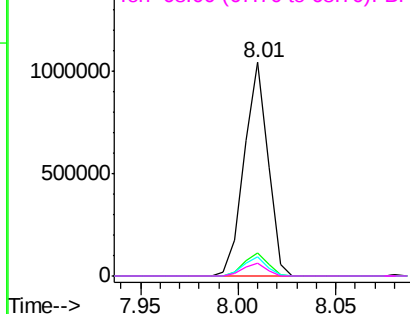
137 11.0 8.9 13.3

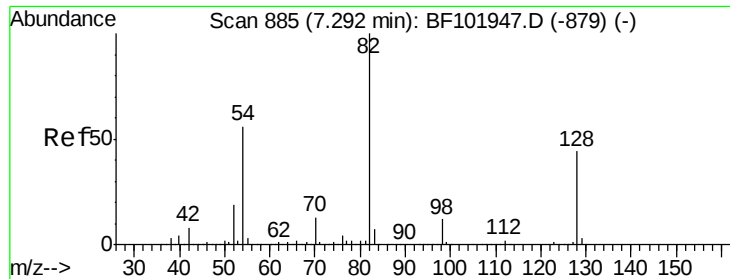
54 8.8 6.6 9.8

68 6.2 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

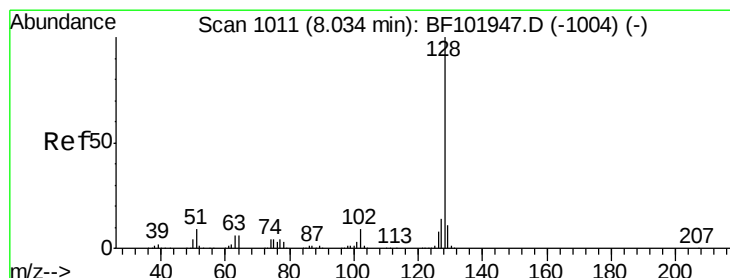
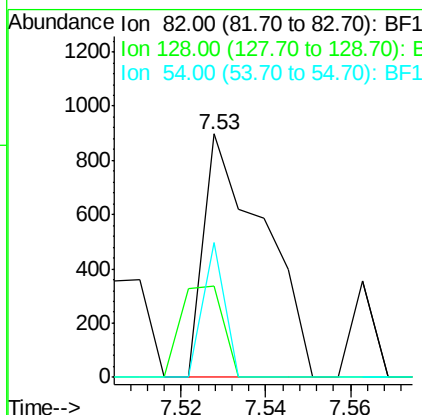
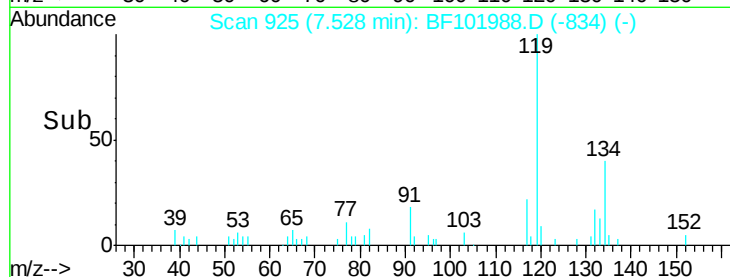
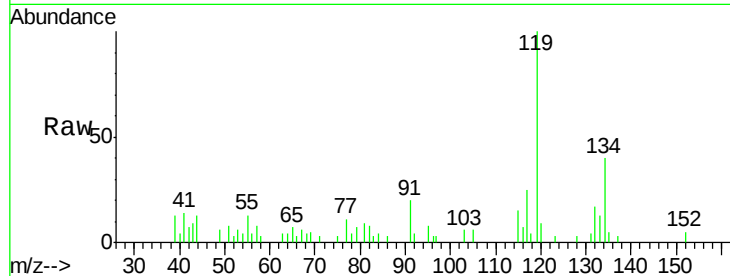




#23
Nitrobenzene-d5
Concen: 0.059 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.24 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

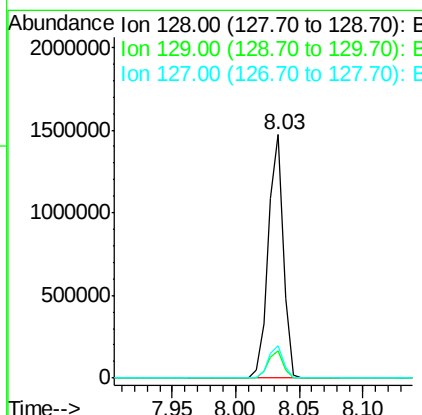
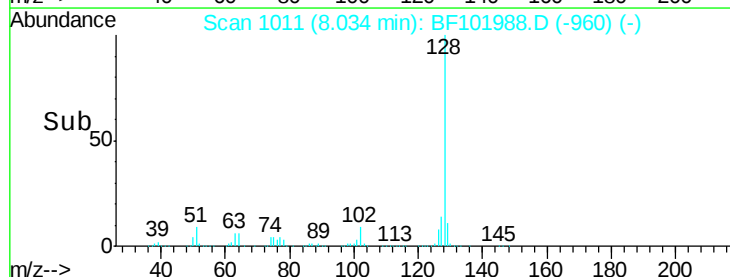
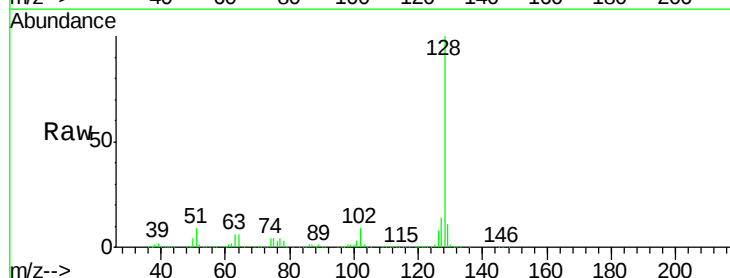
Instrument :
BNA_F
ClientSampleId :
WC-14-01

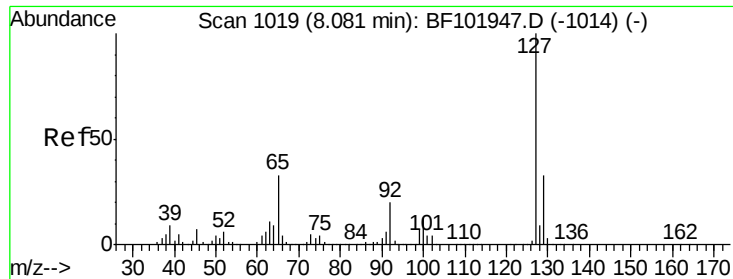
Tot Ion: 82 Resp: 884
Ion Ratio Lower Upper
82 100
128 37.3 36.1 54.1
54 55.1 41.4 62.2



#31
Naphthalene
Concen: 27.765 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion: 128 Resp: 1217718
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.5 10.9 16.3

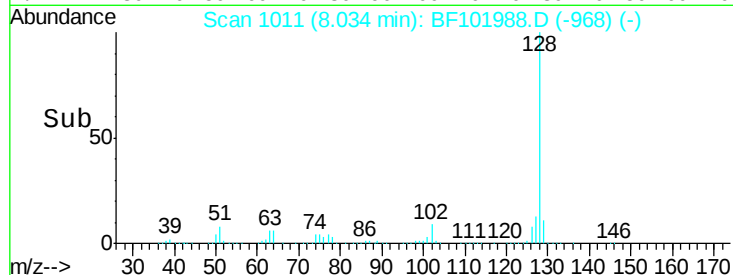
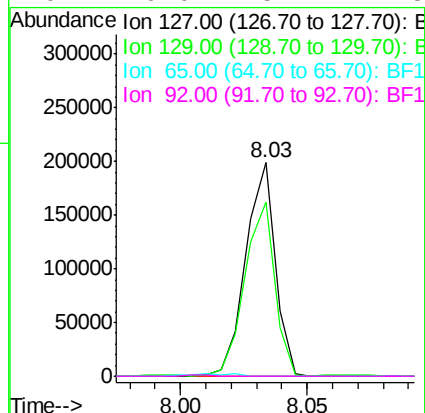
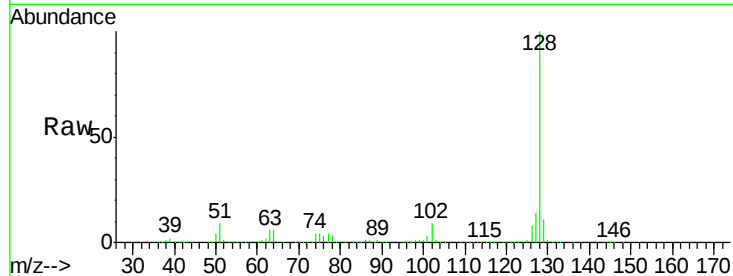




#33
4-Chloroaniline
Concen: 8.629 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.05 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

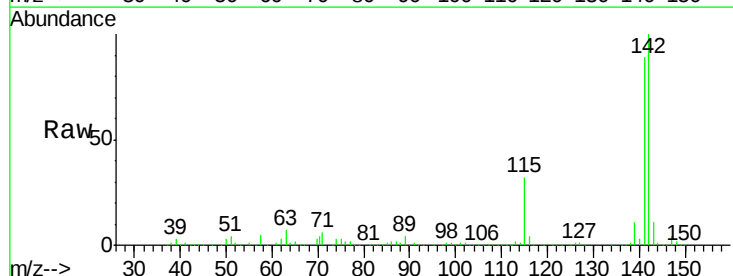
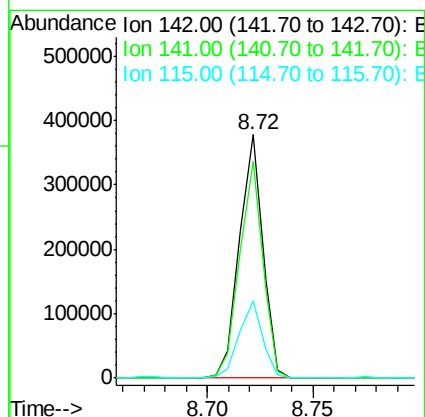
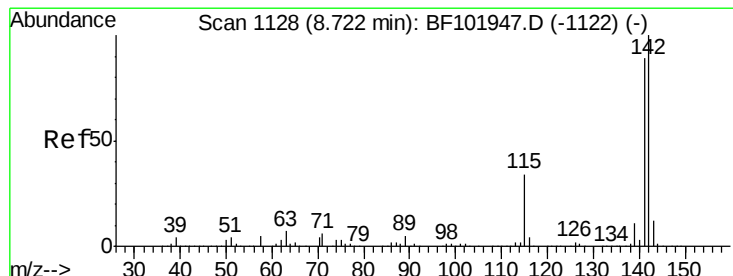
Instrument :
BNA_F
ClientSampleId :
WC-14-01

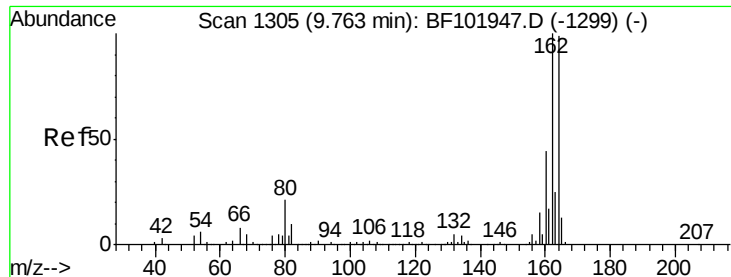
Tot Ion:	127	Resp:	161536
Ion	Ratio	Lower	Upper
127	100		
129	81.3	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 10.061 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:	142	Resp:	290503
Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2
115	31.9	26.1	39.1

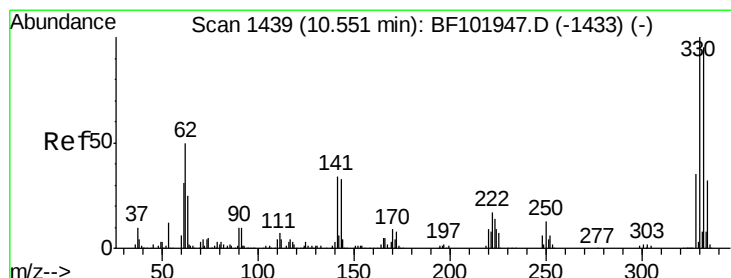
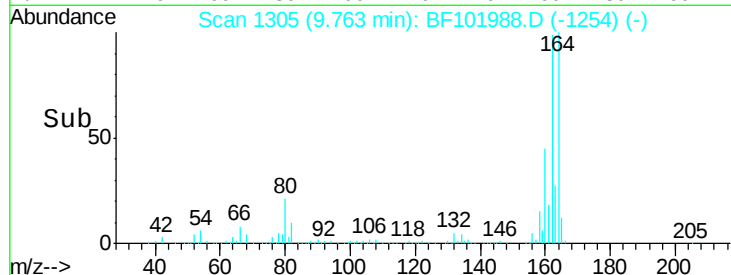
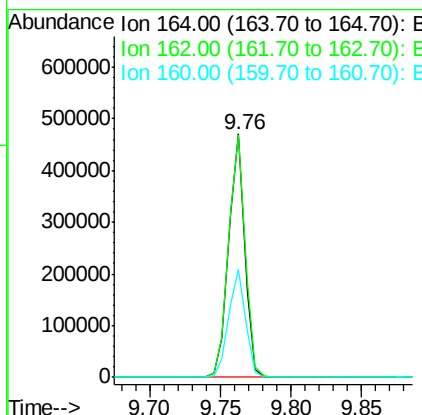
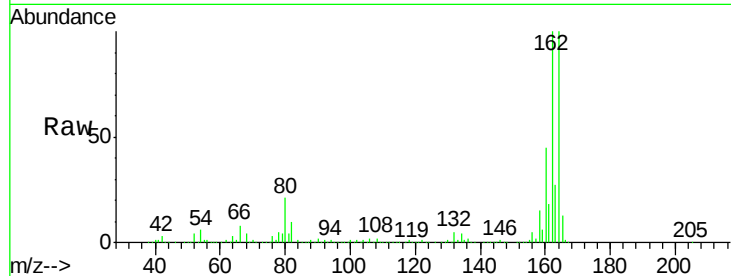




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: BF101988.D
 Acq: 10 Jan 2018 19:30

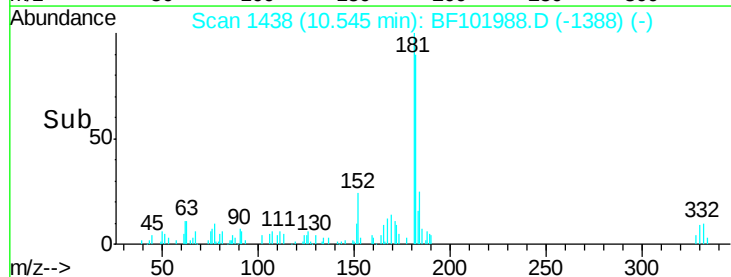
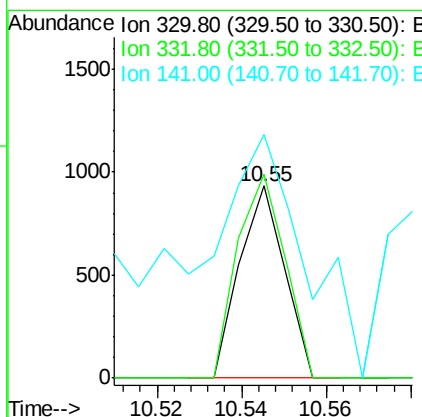
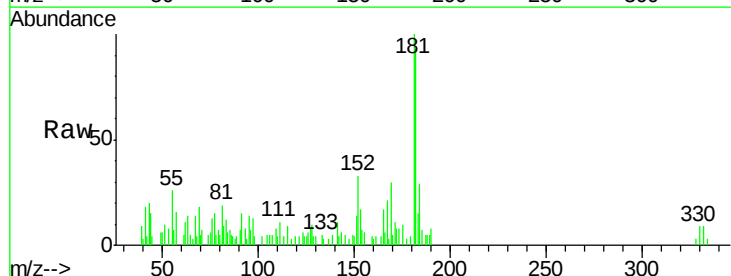
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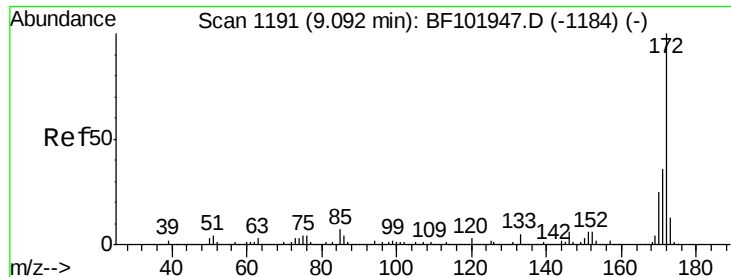
Tot Ion:164 Resp: 375722
 Ion Ratio Lower Upper
 164 100
 162 99.6 86.1 129.1
 160 44.6 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 0.210 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF101988.D
 Acq: 10 Jan 2018 19:30

Tgt Ion:330 Resp: 687
 Ion Ratio Lower Upper
 330 100
 332 112.7 77.0 115.6
 141 230.9 29.9 44.9#

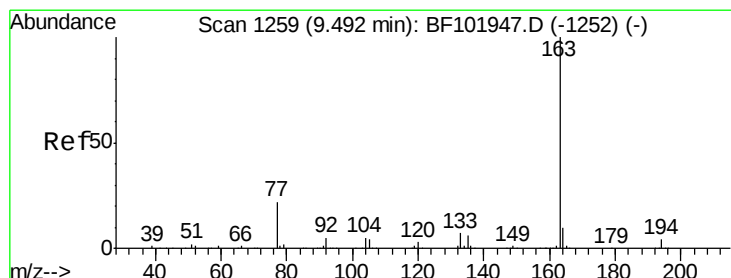
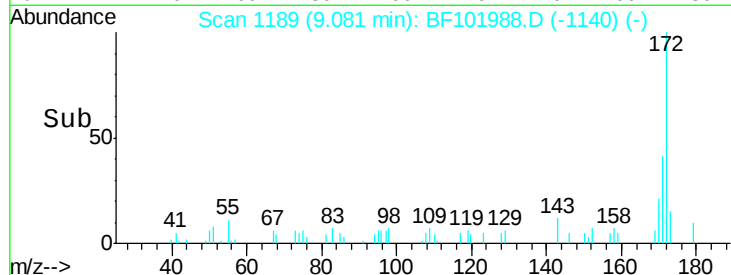
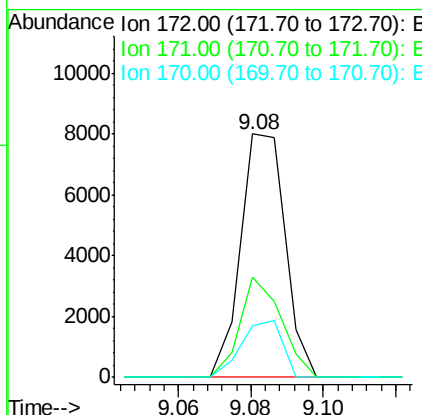
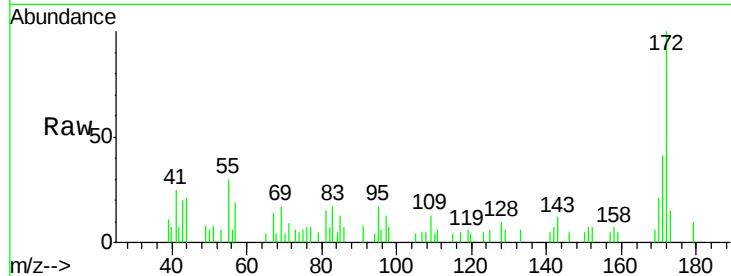




#44
2-Fluorobiphenyl
Concen: 0.283 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

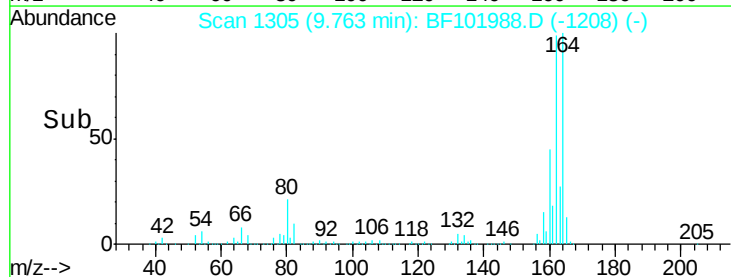
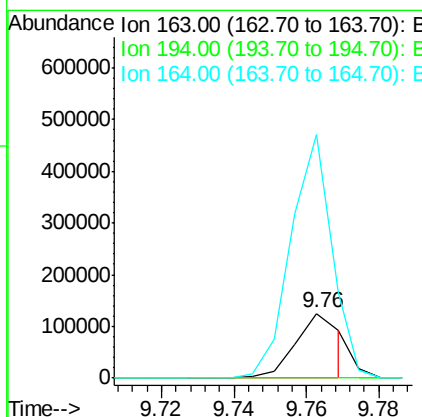
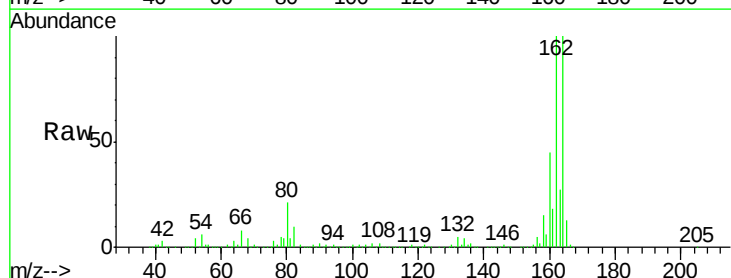
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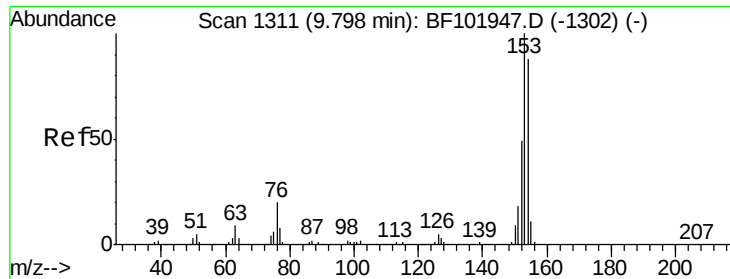
Tot Ion:172 Resp: 6804
Ion Ratio Lower Upper
172 100
171 41.4 29.7 44.5
170 21.1 19.6 29.4



#49
Dimethylphthalate
Concen: 3.507 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.27 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:163 Resp: 105700
Ion Ratio Lower Upper
163 100
194 0.0 2.7 4.1#
164 374.9 8.2 12.2#





#51

Acenaphthene

Concen: 7.080 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF101988.D

Acq: 10 Jan 2018 19:30

Instrument :

BNA_F

ClientSampleId :

WC-14-01

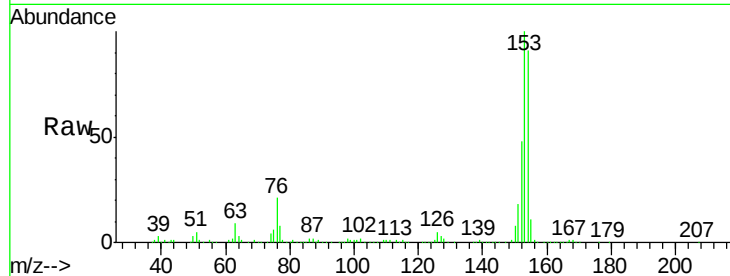
Tot Ion:154 Resp: 175633

Ion Ratio Lower Upper

154 100

153 110.3 91.2 136.8

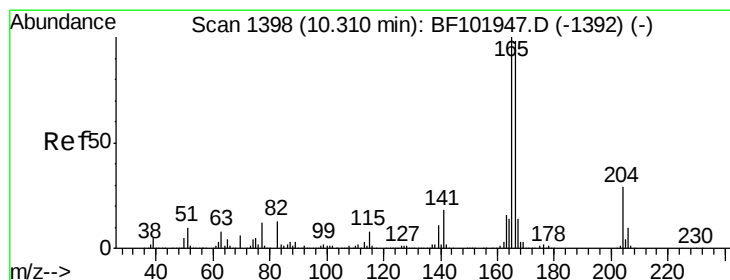
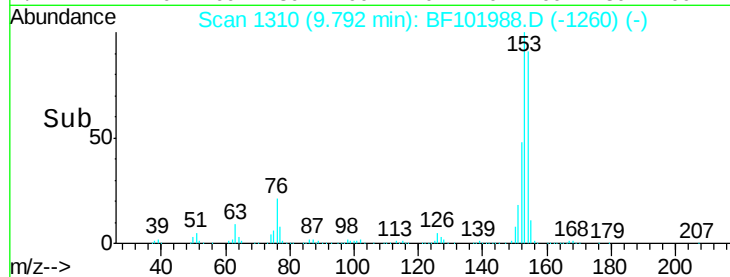
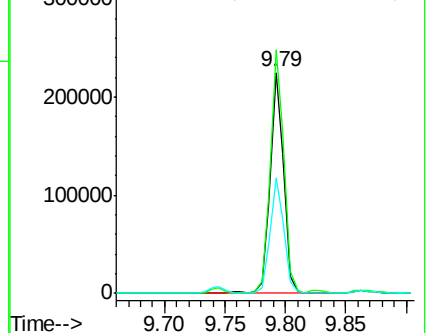
152 52.5 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 6.361 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF101988.D

Acq: 10 Jan 2018 19:30

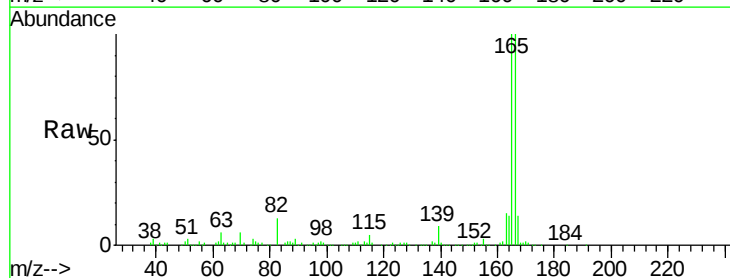
Tgt Ion:166 Resp: 149704

Ion Ratio Lower Upper

166 100

165 99.6 79.8 119.8

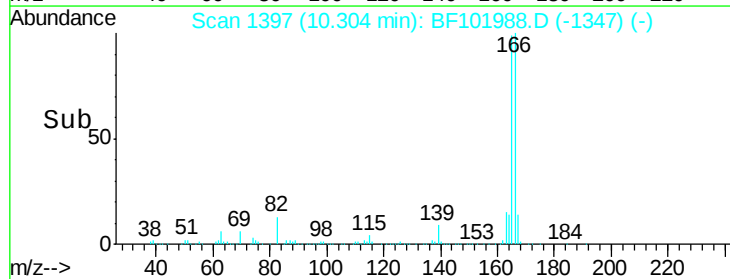
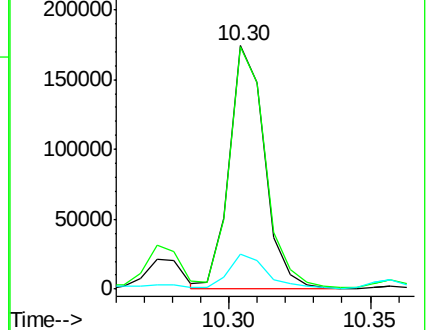
167 14.2 10.6 16.0

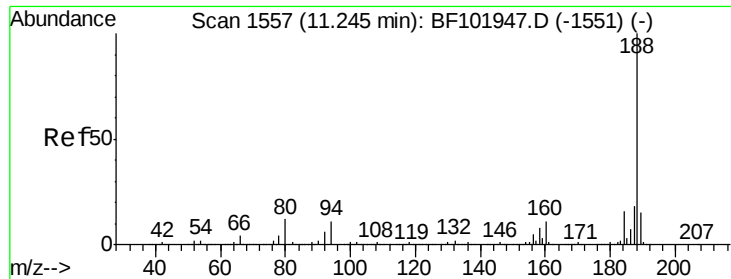


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

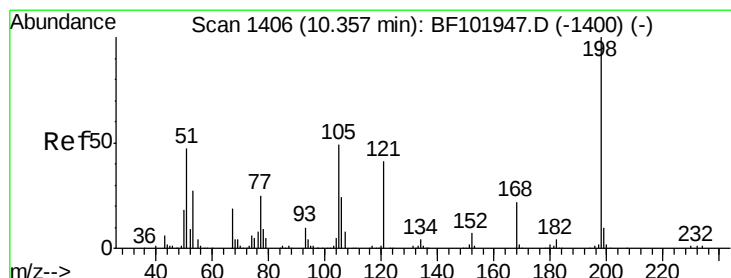
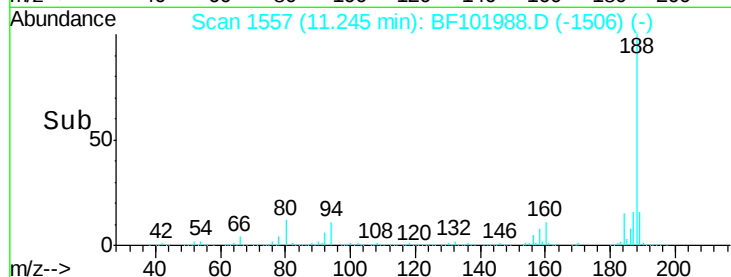
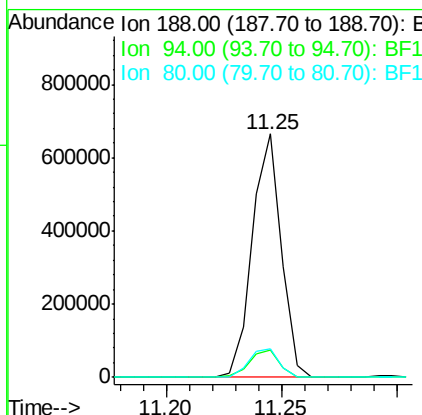
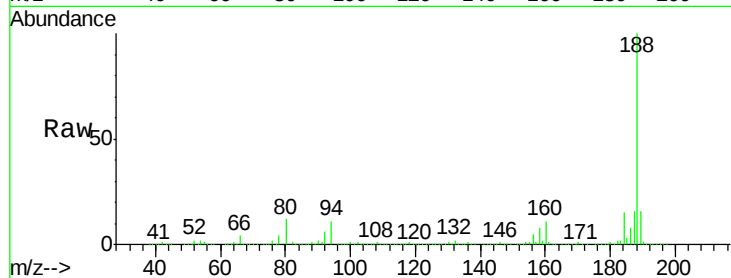




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

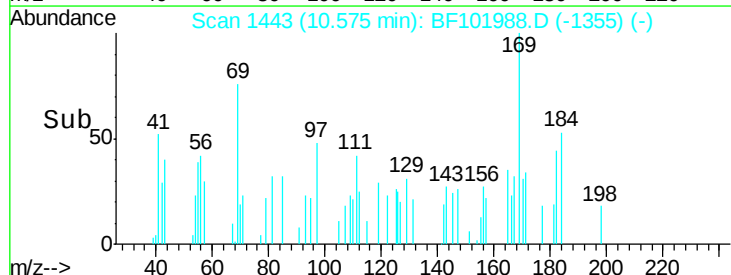
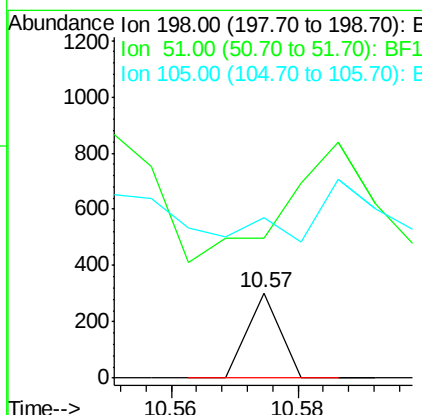
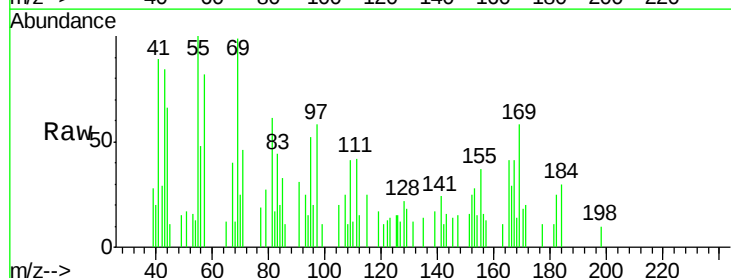
Instrument :
BNA_F
ClientSampleId :
WC-14-01

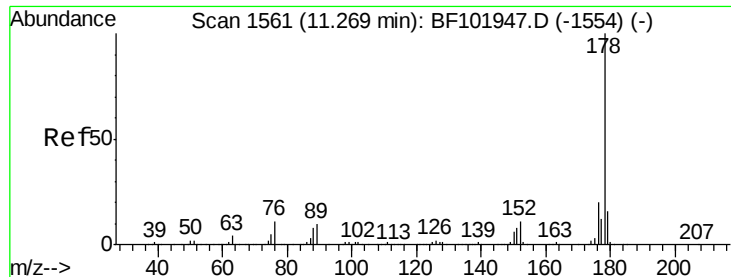
Tot Ion:188 Resp: 583674
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.692 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.22 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:198 Resp: 107
Ion Ratio Lower Upper
198 100
51 164.2 37.7 77.7#
105 189.1 36.3 76.3#

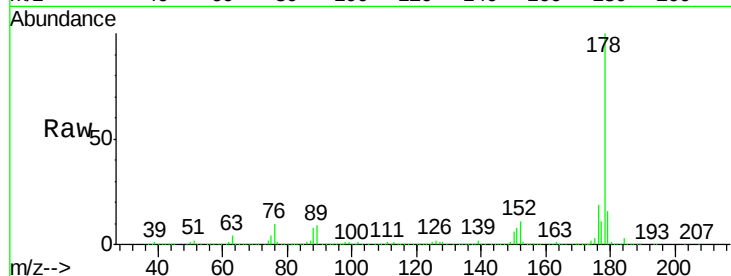




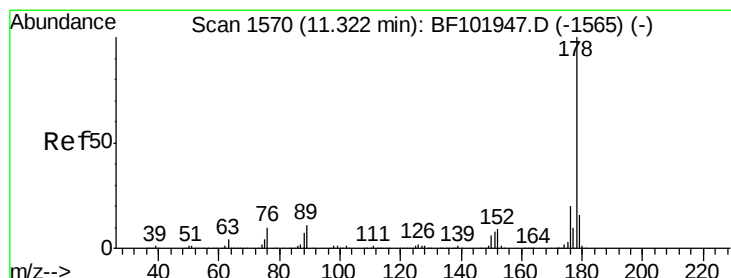
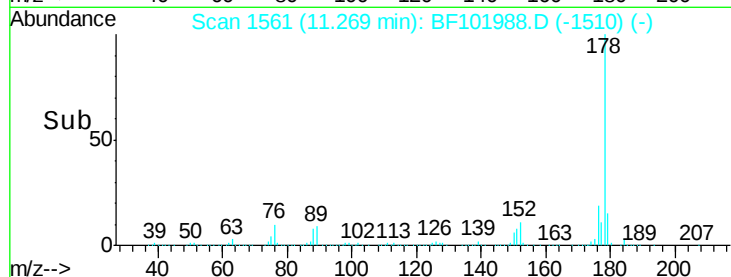
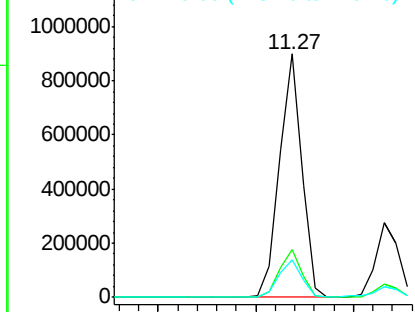
#70
Phenanthrene
Concen: 20.837 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Instrument :
BNA_F
ClientSampleId :
WC-14-01

Tot Ion:178 Resp: 710411
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.6 13.0 19.6

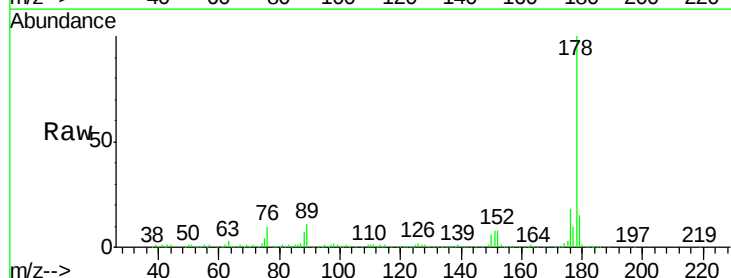


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

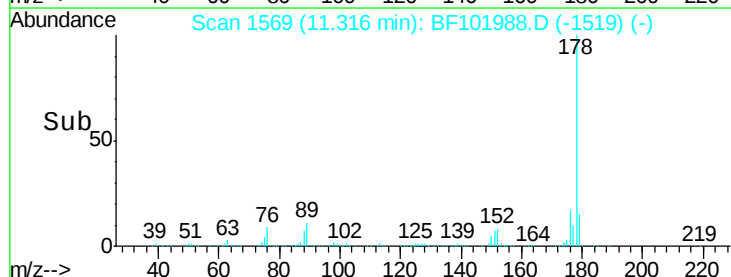
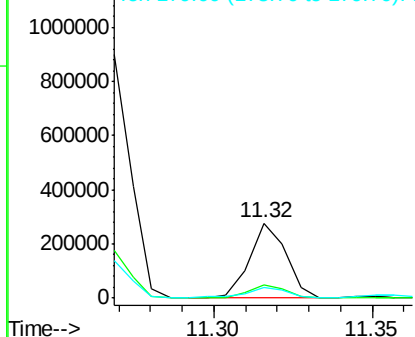


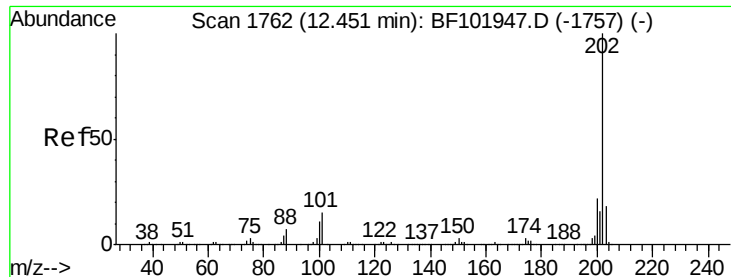
#71
Anthracene
Concen: 6.343 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:178 Resp: 219331
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.2
179 14.9 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





#74

Fluoranthene

Concen: 9.327 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF101988.D

Acq: 10 Jan 2018 19:30

Instrument :

BNA_F

ClientSampleId :

WC-14-01

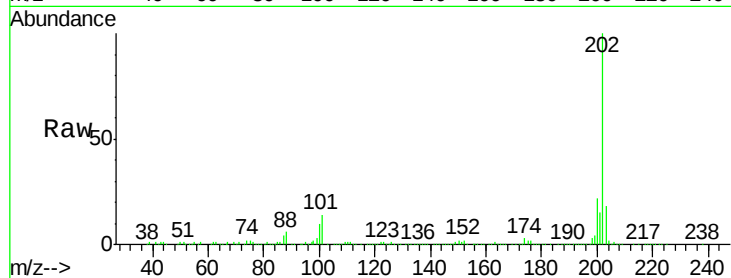
Tot Ion:202 Resp: 312863

Ion Ratio Lower Upper

202 100

101 14.2 0.0 34.1

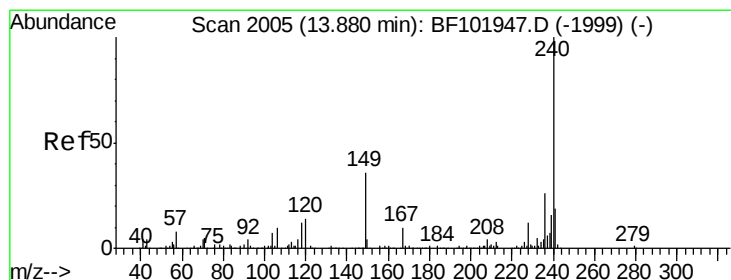
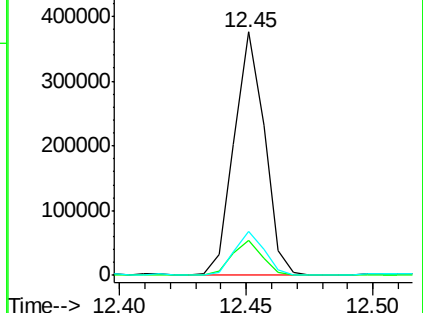
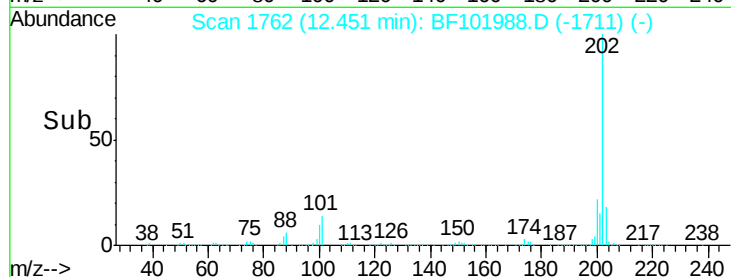
203 17.8 0.0 38.1



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: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF101988.D

Acq: 10 Jan 2018 19:30

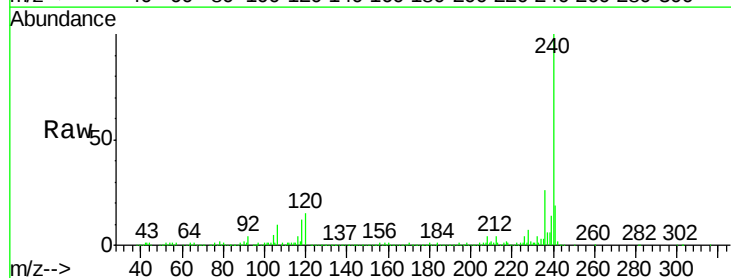
Tgt Ion:240 Resp: 321654

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

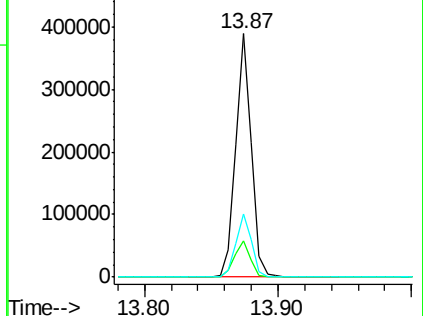
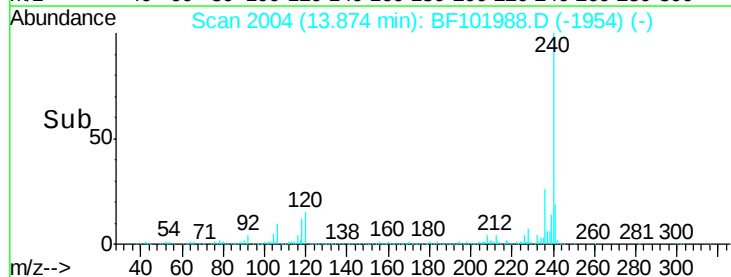
236 25.9 20.7 31.1

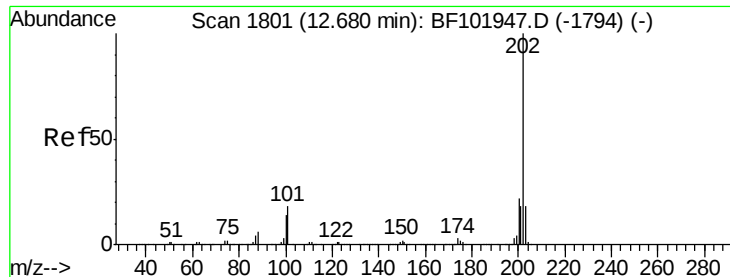


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 14.844 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF101988.D

Acq: 10 Jan 2018 19:30

Instrument :

BNA_F

ClientSampleId :

WC-14-01

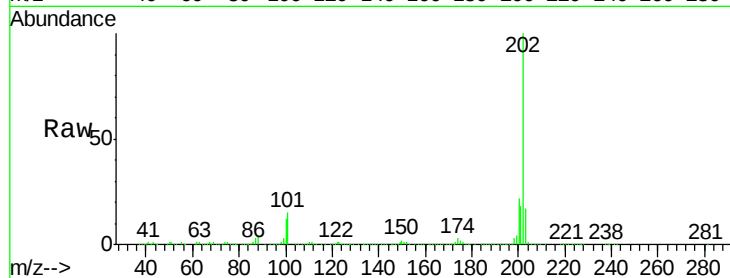
Tot Ion:202 Resp: 422044

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

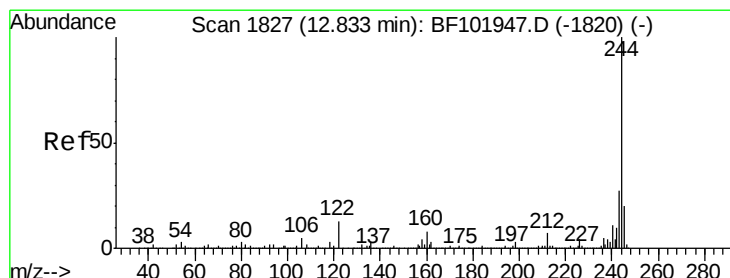
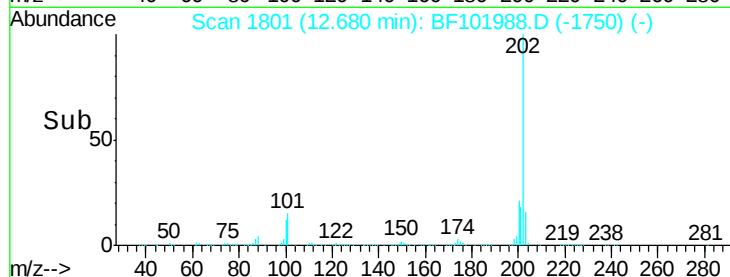
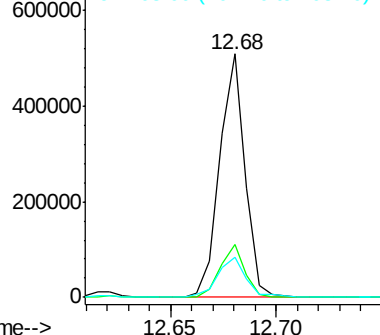
203 16.7 14.3 21.5



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: 0.371 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF101988.D

Acq: 10 Jan 2018 19:30

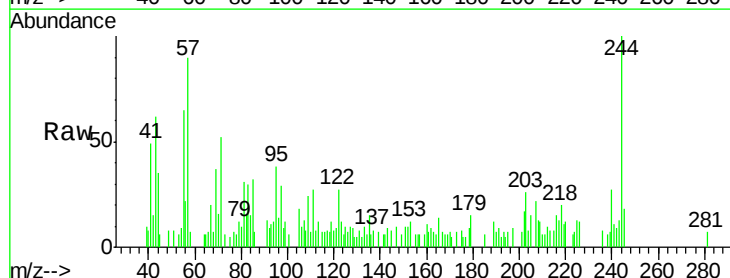
Tgt Ion:244 Resp: 5752

Ion Ratio Lower Upper

244 100

212 10.0 5.4 8.0#

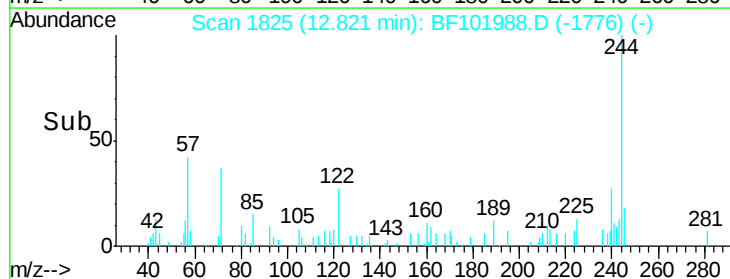
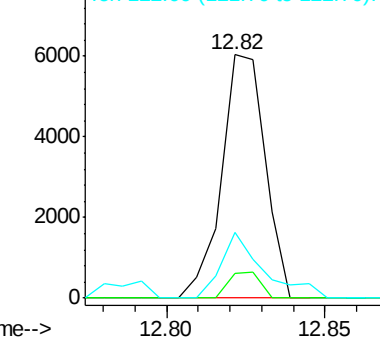
122 27.1 11.0 16.4#

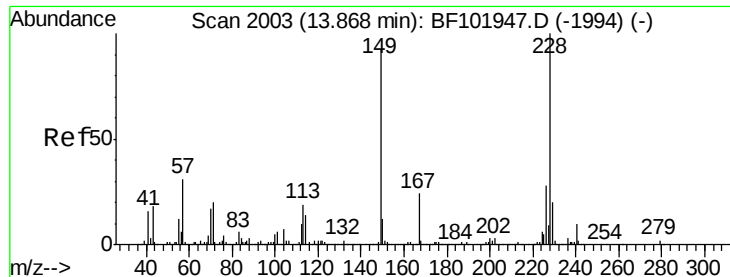


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.644 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.03 min

Lab File: BF101988.D

Acq: 10 Jan 2018 19:30

Instrument :

BNA_F

ClientSampleId :

WC-14-01

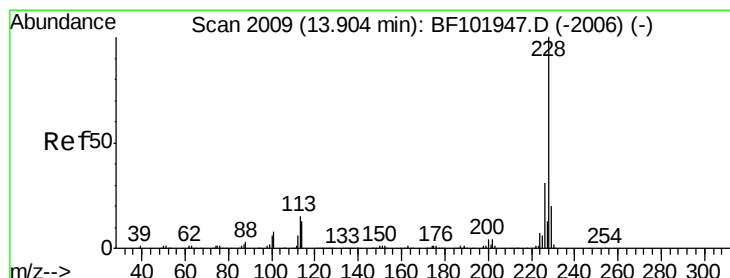
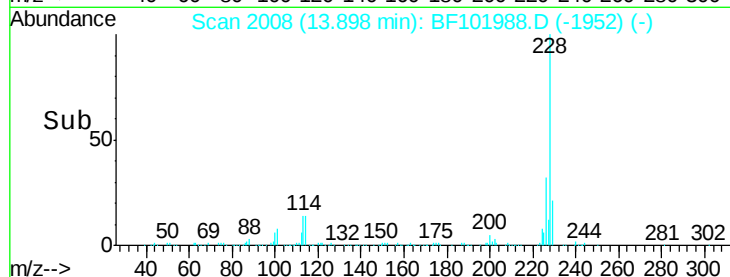
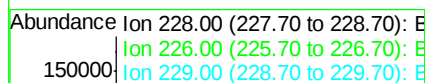
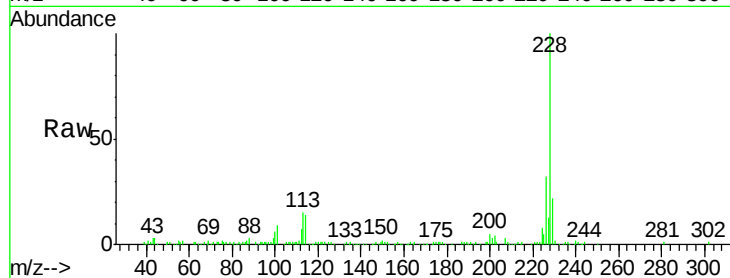
Tot Ion:228 Resp: 95300

Ion Ratio Lower Upper

228 100

226 32.0 22.6 33.8

229 21.9 15.8 23.6



#82

Chrysene

Concen: 4.453 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF101988.D

Acq: 10 Jan 2018 19:30

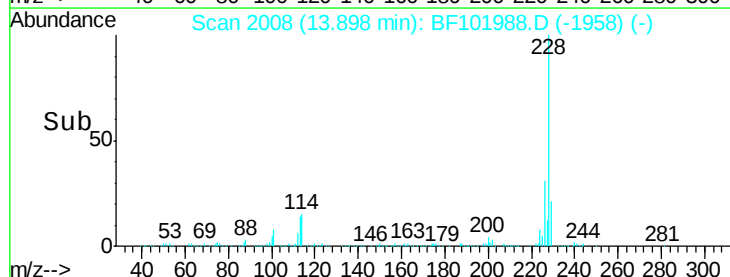
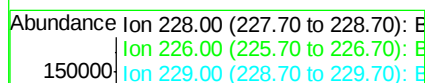
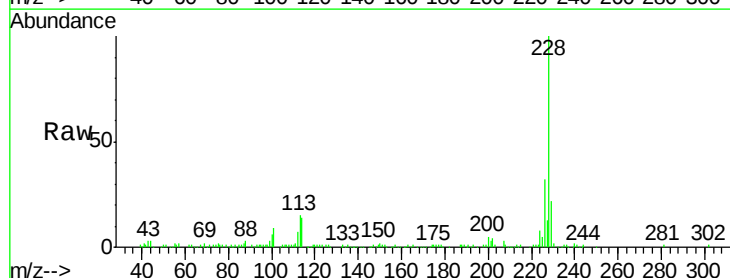
Tgt Ion:228 Resp: 95300

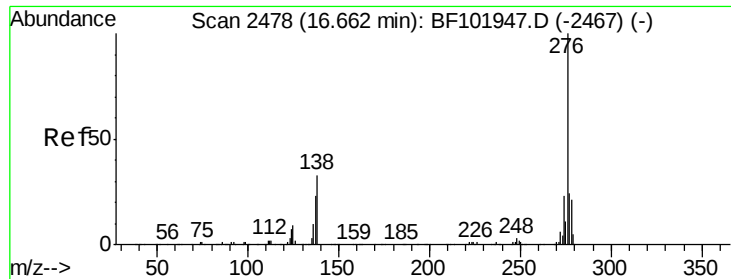
Ion Ratio Lower Upper

228 100

226 32.0 25.0 37.6

229 21.9 16.2 24.4

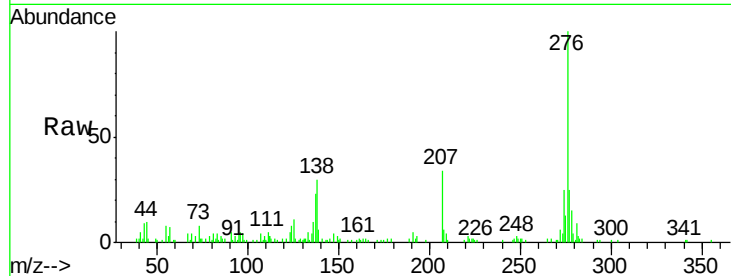




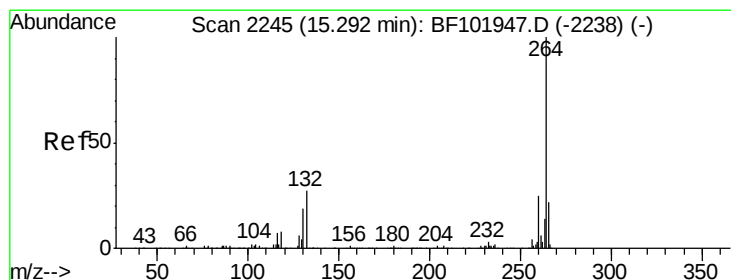
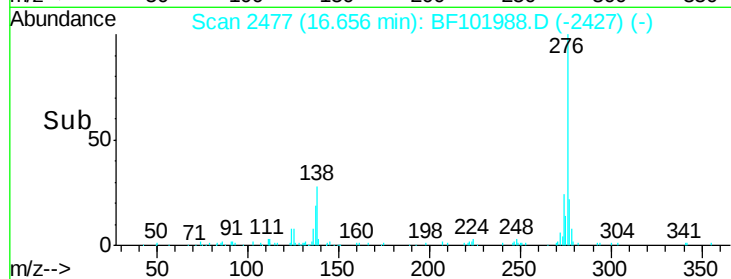
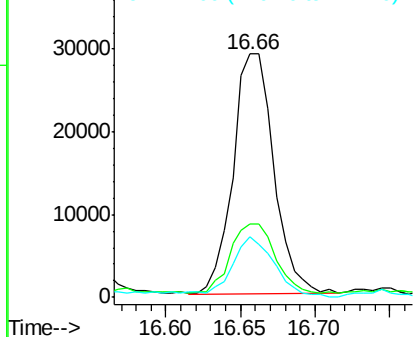
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.547 ng
 RT: 16.66 min Scan# 2477
 Delta R.T. -0.01 min
 Lab File: BF101988.D
 Acq: 10 Jan 2018 19:30

Instrument :
 BNA_F
 ClientSampleId :
 WC-14-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	25.0	37.6
277	26.0	20.1	30.1

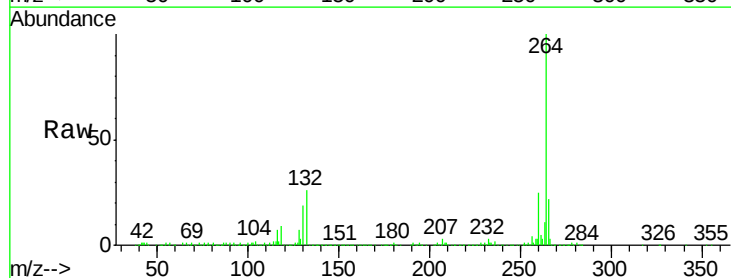


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

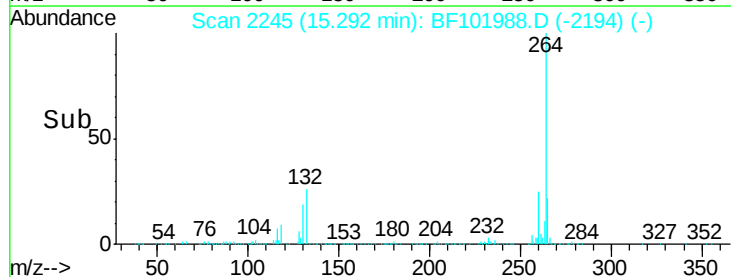
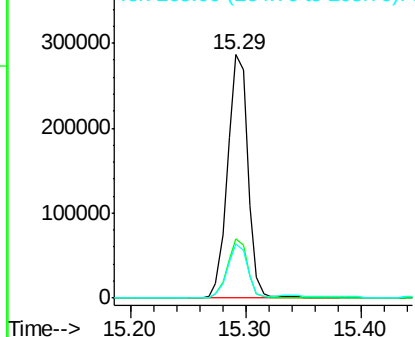


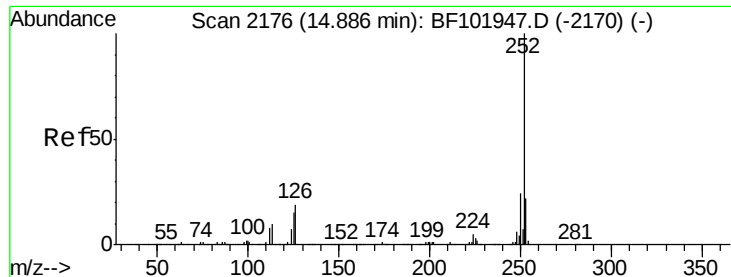
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: BF101988.D
 Acq: 10 Jan 2018 19:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	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

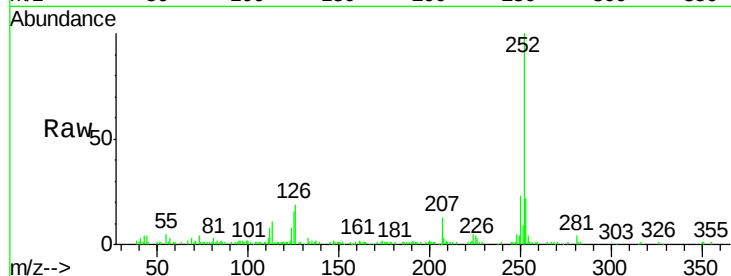




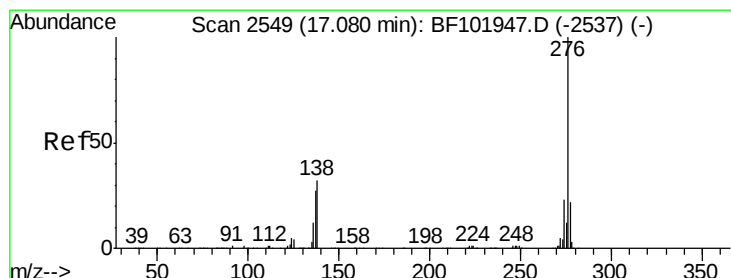
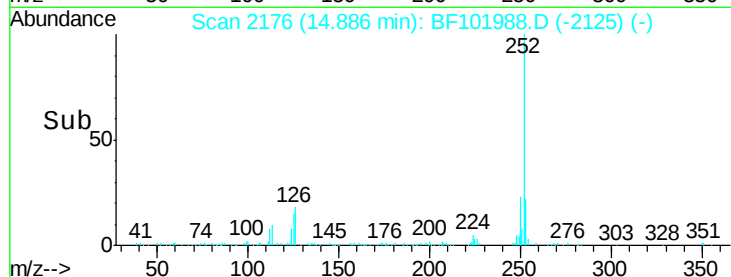
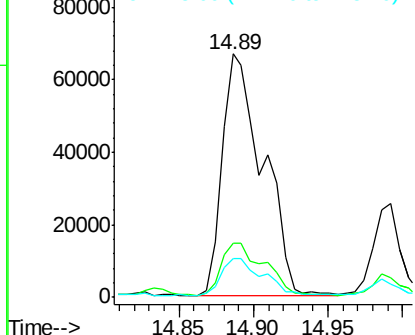
#87
Benzo(b)fluoranthene
Concen: 5.588 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Instrument :
BNA_F
ClientSampleId :
WC-14-01

Tot Ion:252 Resp: 127403
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 15.9 9.0 13.6#

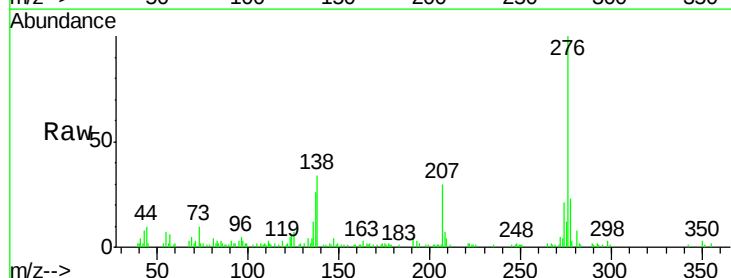


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.069 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BF101988.D
Acq: 10 Jan 2018 19:30

Tgt Ion:276 Resp: 67100
Ion Ratio Lower Upper
276 100
277 22.6 17.9 26.9
138 33.5 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

