

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011819\
 Data File : BF112115.D
 Acq On : 18 Jan 2019 9:42
 Operator : JU/SJ
 Sample : K1157-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-01-011519

Quant Time: Jan 18 12:05:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	327073	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1219945	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	602764	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	1044111	20.00	ng	0.00
76) Chrysene-d12	14.02	240	730892	20.00	ng	-0.01
87) Perylene-d12	15.49	264	749887	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	2173982	120.64	ng	0.00
7) Phenol-d6	6.51	99	2804684	124.40	ng	0.00
23) Nitrobenzene-d5	7.42	82	1805164	102.23	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	804213	123.68	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3040394	73.95	ng	0.00
79) Terphenyl-d14	12.97	244	2504856	72.91	ng	0.00

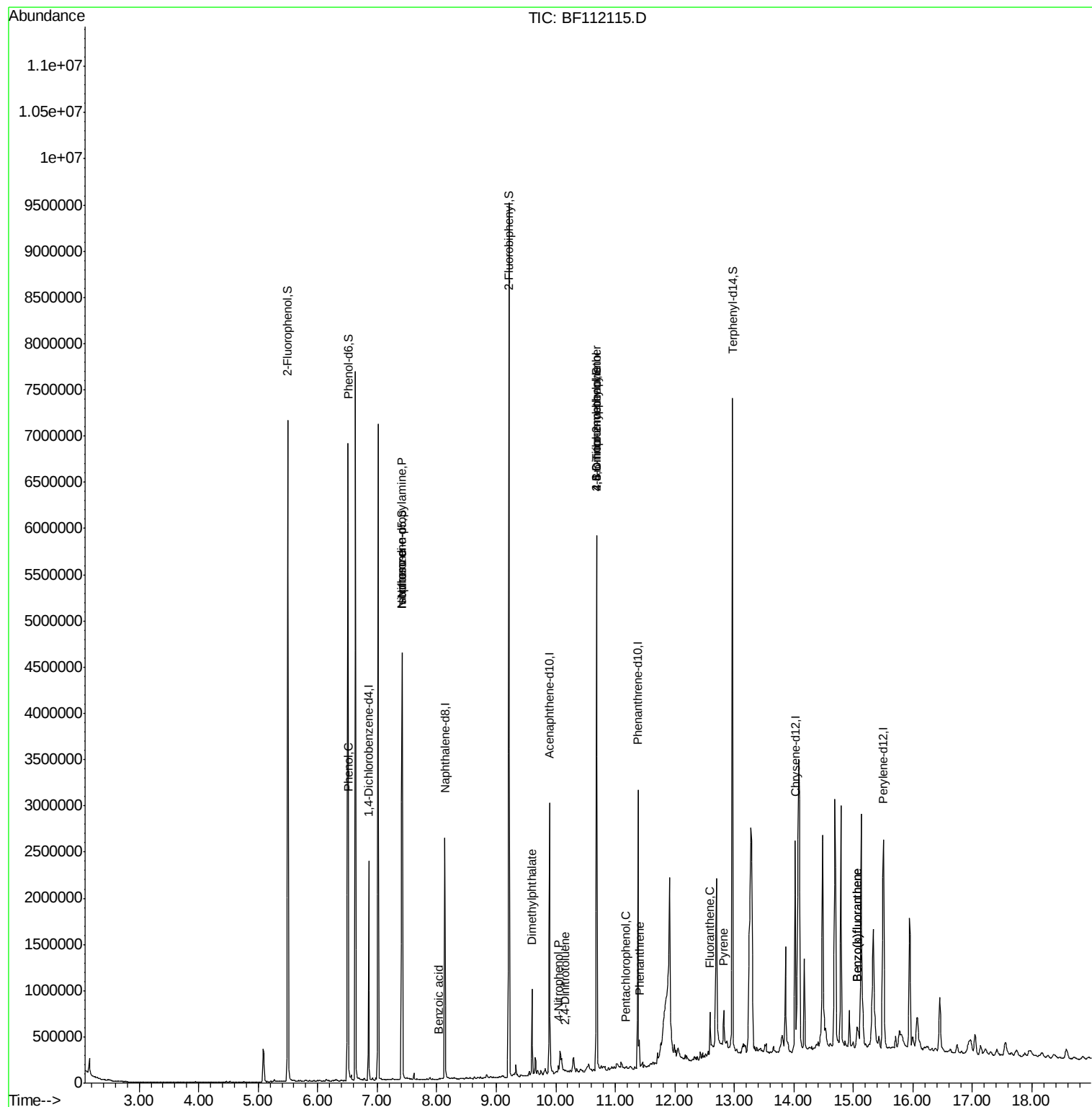
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	2230	Below Cal		86
10) Phenol	6.52	94	58371	2.369	ng	# 71
19) n-Nitroso-di-n-propylamine	7.42	70	247710	18.035	ng	# 77
25) Isophorone	7.42	82	1799762	52.769	ng	# 64
32) Benzoic acid	8.04	122	822	7.292	ng	98
50) Dimethylphthalate	9.60	163	348079	7.918	ng	99
56) 4-Nitrophenol	10.05	139	946	5.780	ng	# 1
57) 2,4-Dinitrotoluene	10.16	165	2887	4.813	ng	# 71
65) 4,6-Dinitro-2-methylphenol	10.69	198	1709	10.380	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	48064	3.963	ng	# 1
70) Pentachlorophenol	11.19	266	380	6.161	ng	# 18
71) Phenanthrene	11.40	178	106978	2.036	ng	96
75) Fluoranthene	12.59	202	155213	2.798	ng	99
78) Pyrene	12.82	202	159623	3.310	ng	98
88) Benzo(b)fluoranthene	15.06	252	115650	2.717	ng	# 95
89) Benzo(k)fluoranthene	15.06	252	115650	2.807	ng	# 96

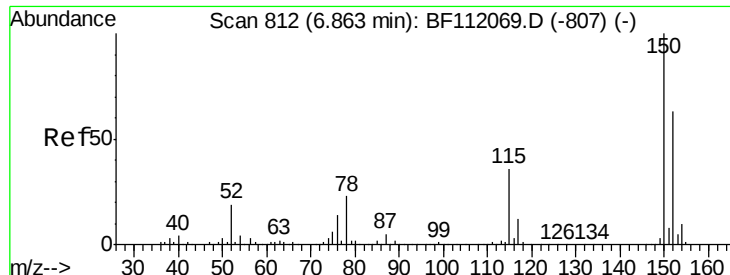
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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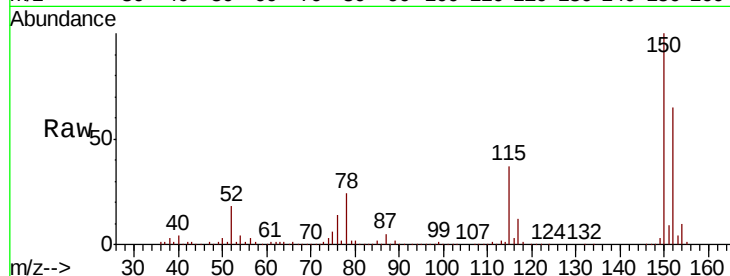


#1

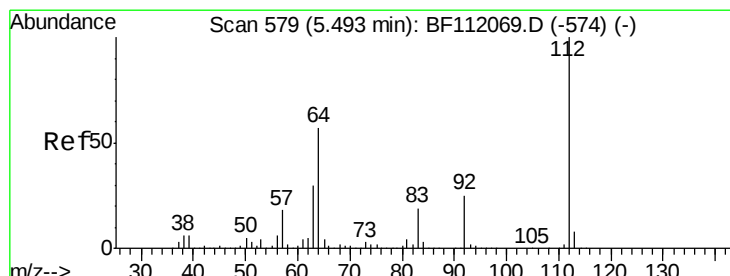
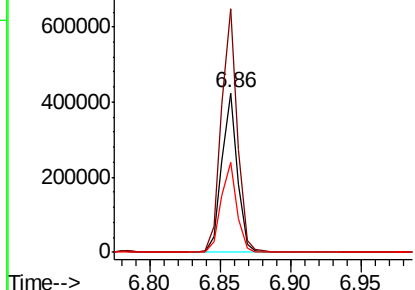
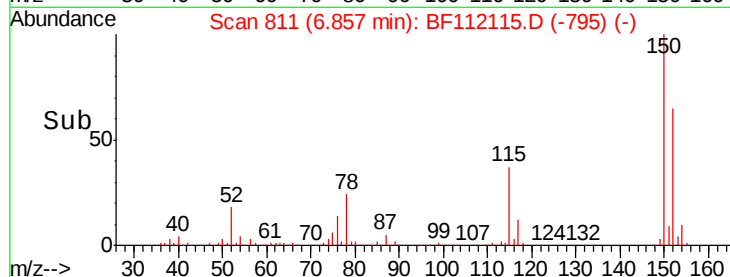
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF112115.D
 Acq: 18 Jan 2019 9:42

Instrument :
 BNA_F
 ClientSampleId :
 WC-01-011519

Tot Ion:152 Resp: 327073
 Ion Ratio Lower Upper
 152 100
 150 153.0 127.4 191.0
 115 56.6 45.5 68.3



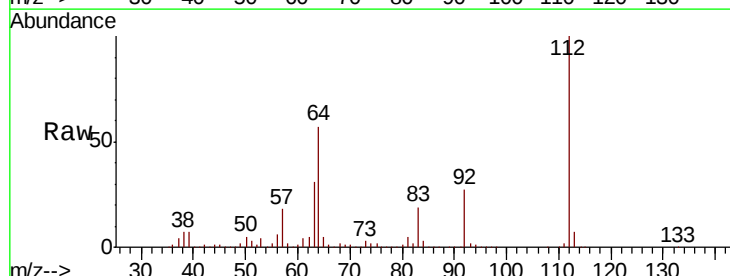
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



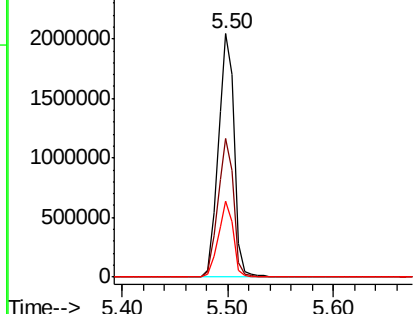
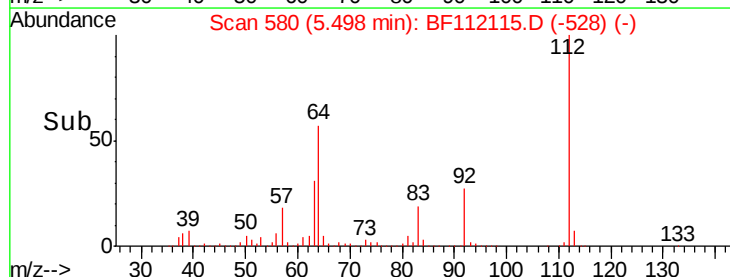
#5

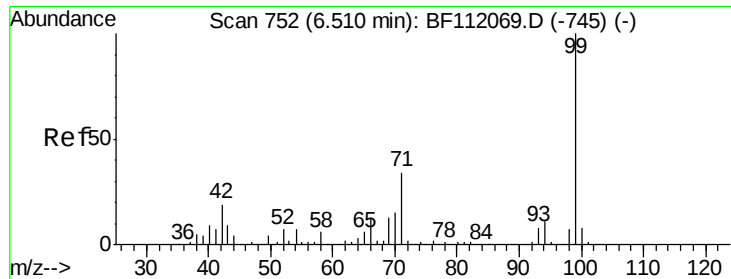
2-Fluorophenol
 Concen: 120.642 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF112115.D
 Acq: 18 Jan 2019 9:42

Tgt Ion:112 Resp: 2173982
 Ion Ratio Lower Upper
 112 100
 64 57.1 45.7 68.5
 63 31.0 23.6 35.4



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: 124.398 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

Instrument :

BNA_F

ClientSampleId :

WC-01-011519

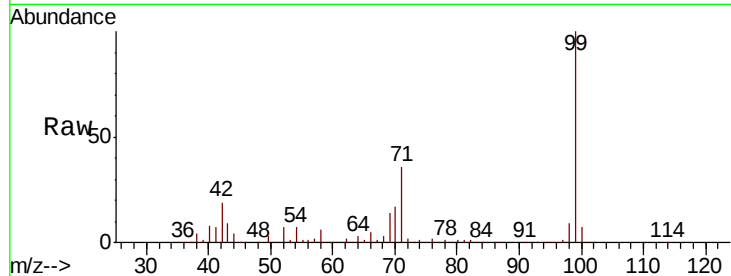
Tot Ion: 99 Resp: 2804684

Ion Ratio Lower Upper

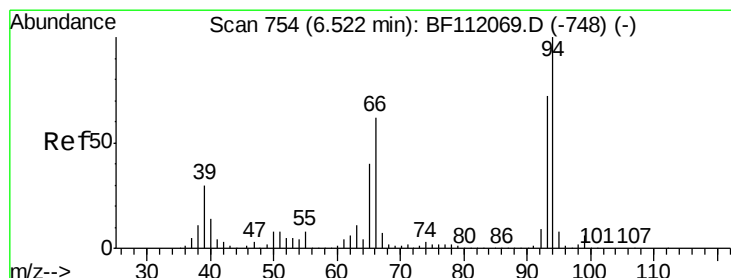
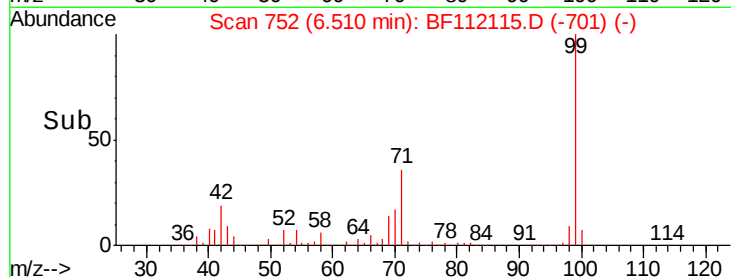
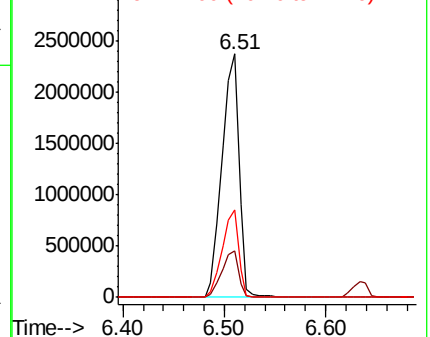
99 100

42 19.3 15.1 22.7

71 35.7 26.9 40.3



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: 2.369 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

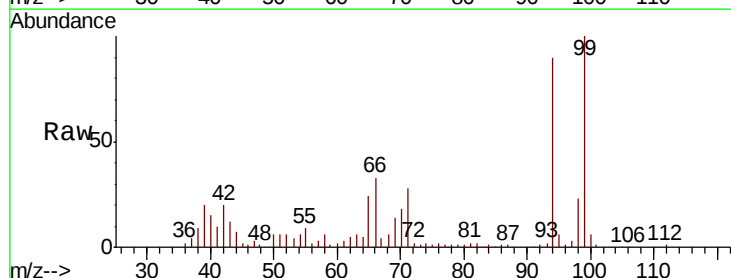
Tgt Ion: 94 Resp: 58371

Ion Ratio Lower Upper

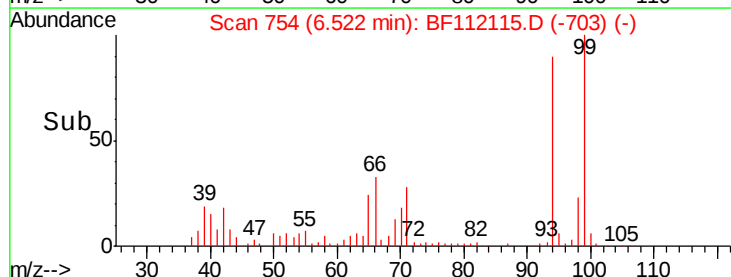
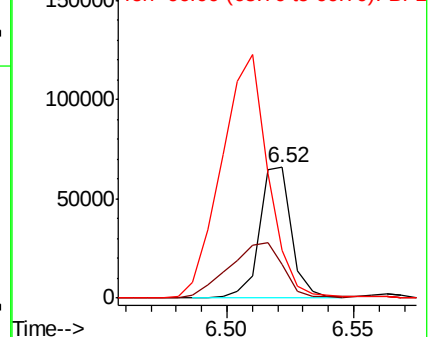
94 100

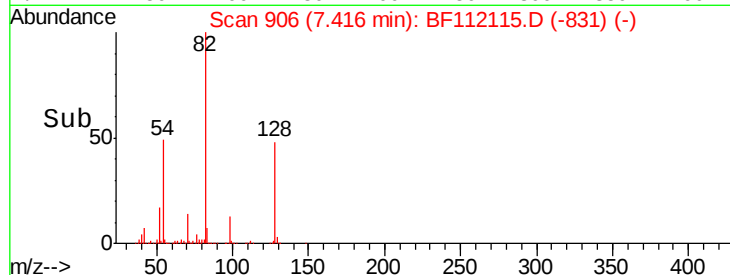
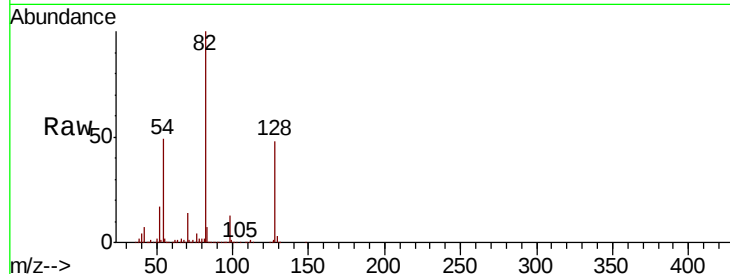
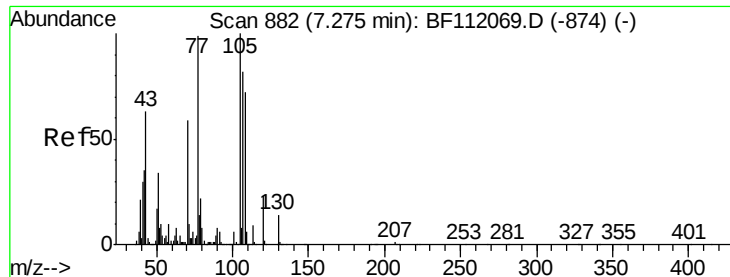
65 26.1 20.3 60.3

66 36.7 42.4 82.4#



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

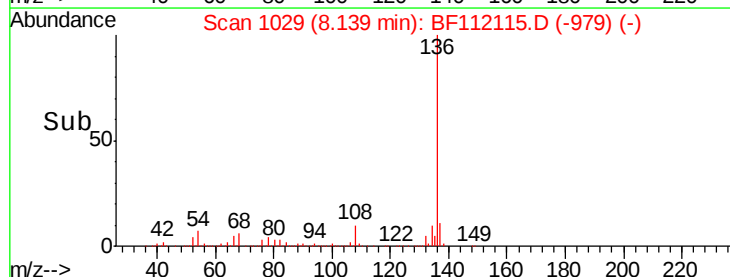
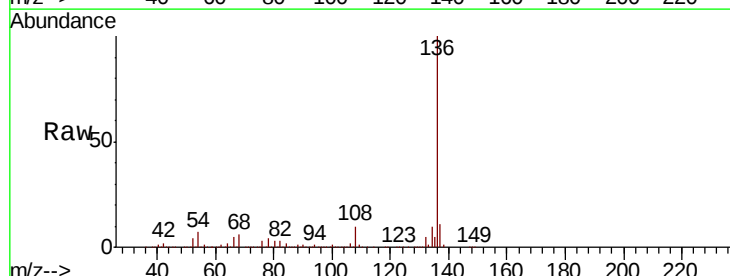
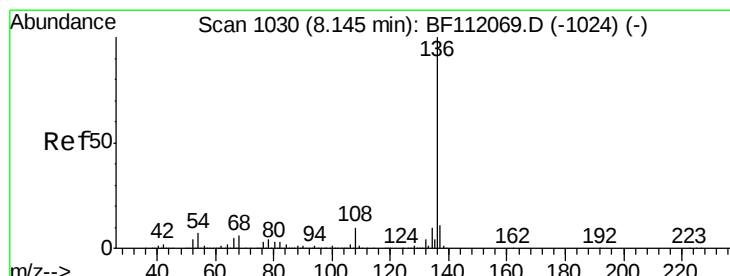
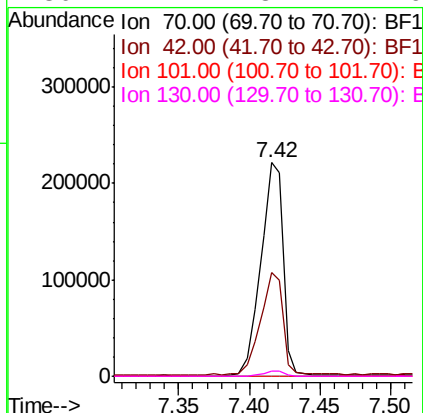




#19
n-Nitroso-di-n-propylamine
Concen: 18.035 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.14 min
Lab File: BF112115.D
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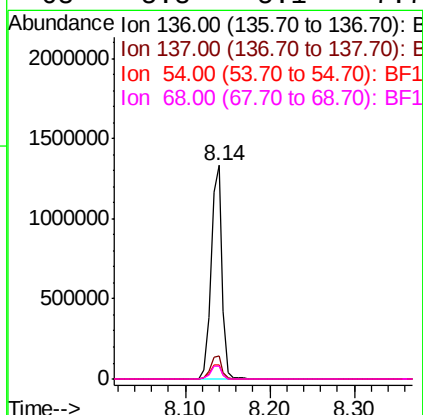
Instrument :
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WC-01-011519

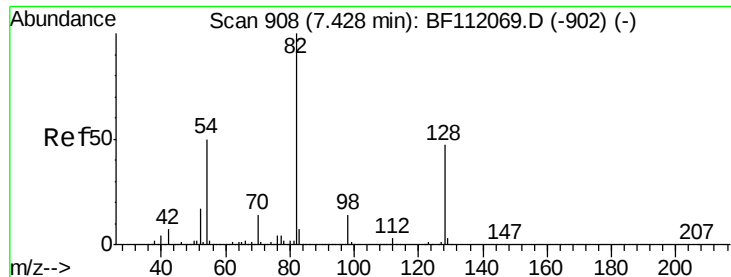
Tot Ion: 70 Resp: 247710
Ion Ratio Lower Upper
70 100
42 48.3 47.6 71.4
101 0.1 7.9 11.9#
130 2.2 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112115.D
Acq: 18 Jan 2019 9:42

Tgt Ion:136 Resp: 1219945
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 6.6 5.9 8.9
68 5.8 5.1 7.7

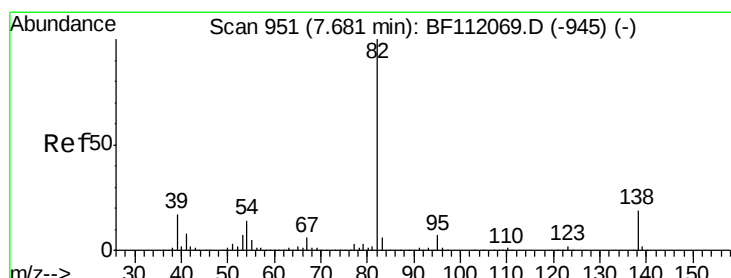
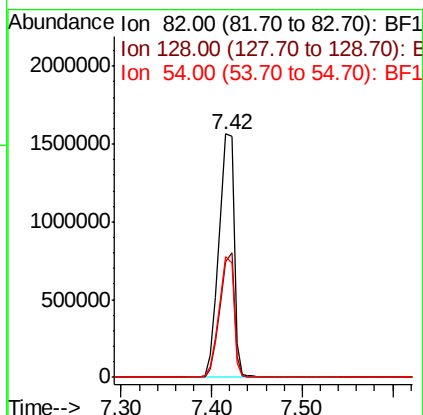
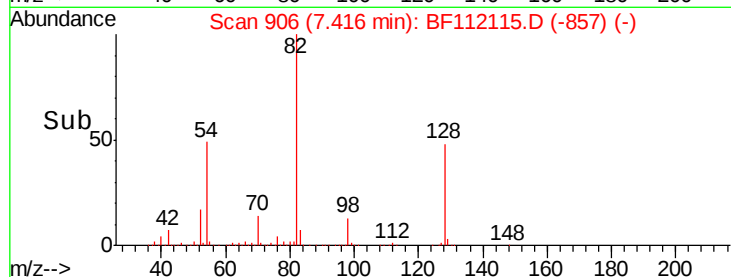
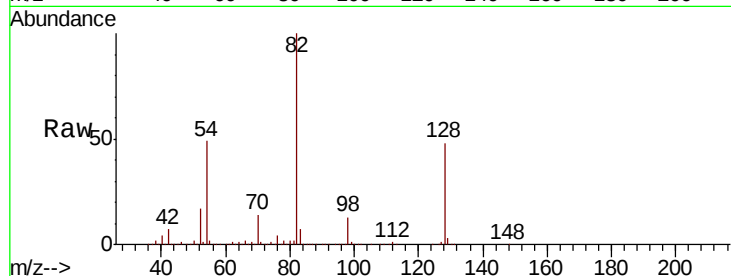




#23
Nitrobenzene-d5
Concen: 102.232 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112115.D
Acq: 18 Jan 2019 9:42

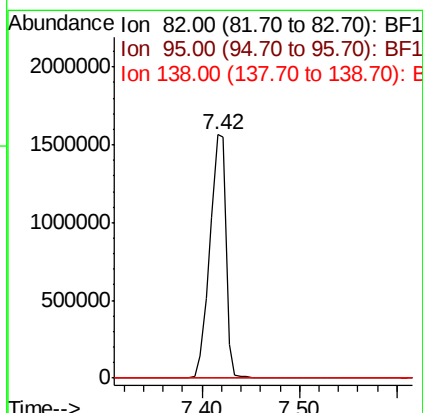
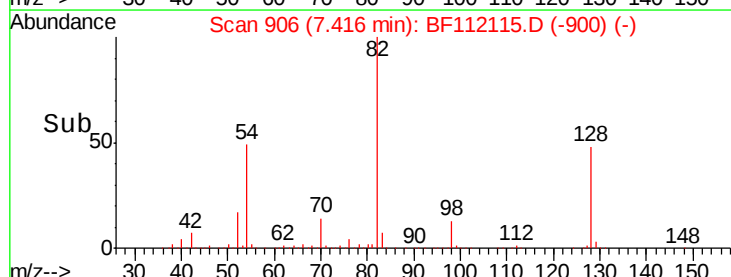
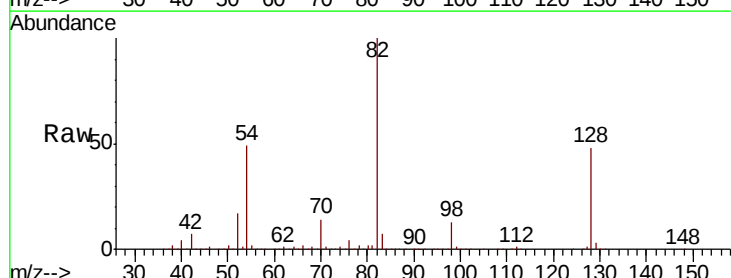
Instrument :
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ClientSampleId :
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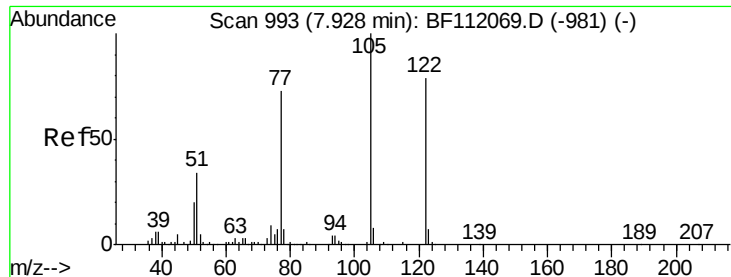
Tot Ion: 82 Resp: 1805164
Ion Ratio Lower Upper
82 100
128 47.6 37.8 56.8
54 49.4 39.7 59.5



#25
Isophorone
Concen: 52.769 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF112115.D
Acq: 18 Jan 2019 9:42

Tgt Ion: 82 Resp: 1799762
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 15.4 23.0#

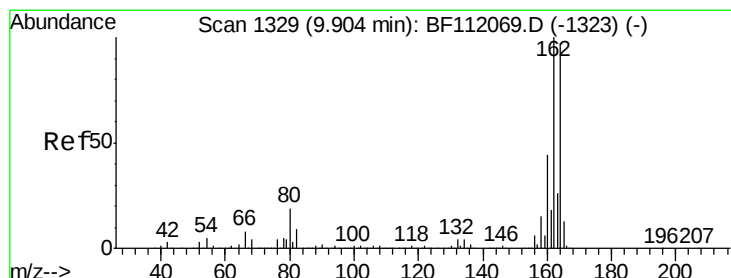
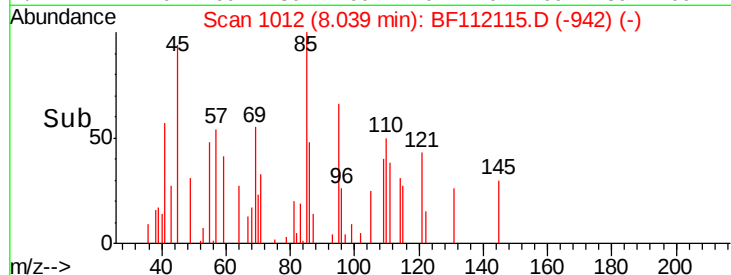
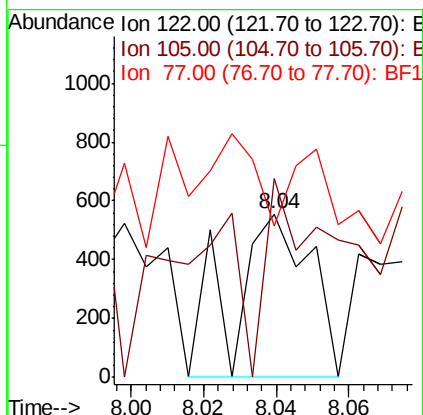
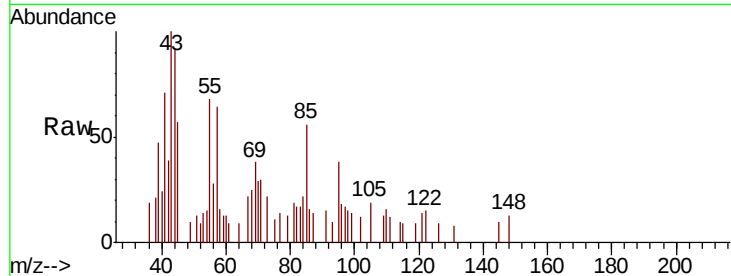




#32
Benzoic acid
Concen: 7.292 ng
RT: 8.04 min Scan# 1012
Delta R.T. 0.11 min
Lab File: BF112115.D
Acq: 18 Jan 2019 9:42

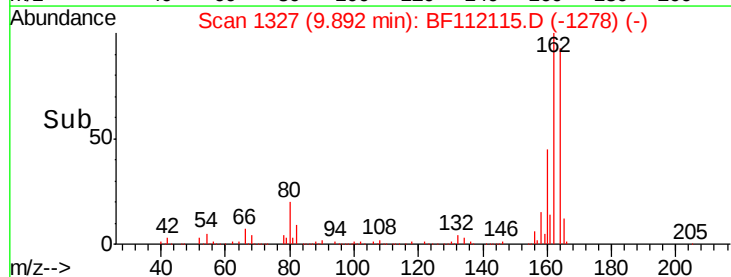
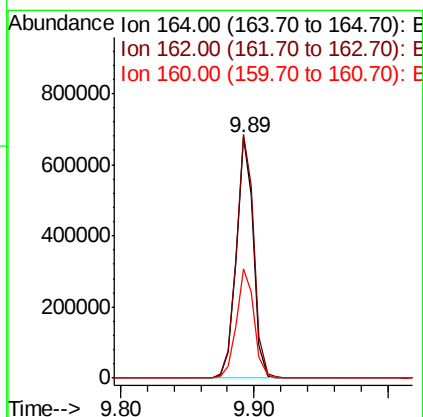
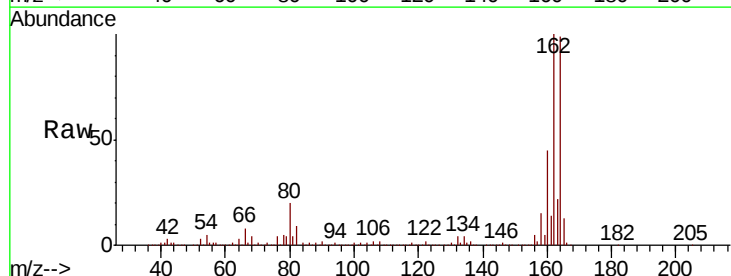
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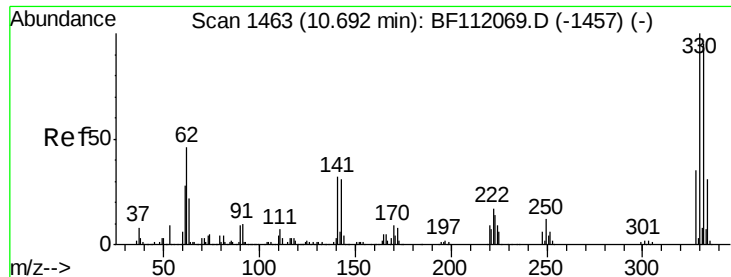
Tot Ion:122 Resp: 822
Ion Ratio Lower Upper
122 100
105 122.0 101.2 141.2
77 93.1 70.4 110.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112115.D
Acq: 18 Jan 2019 9:42

Tgt Ion:164 Resp: 602764
Ion Ratio Lower Upper
164 100
162 101.1 82.2 123.4
160 45.1 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 123.677 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

Instrument :

BNA_F

ClientSampleId :

WC-01-011519

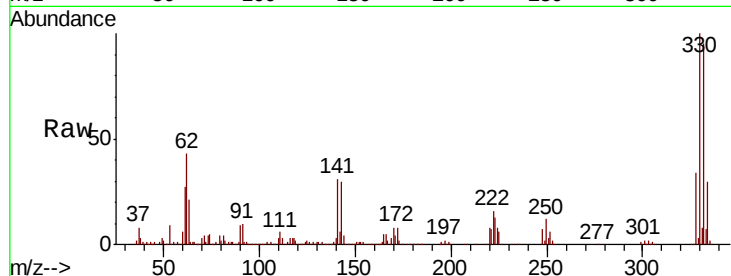
Tot Ion:330 Resp: 804213

Ion Ratio Lower Upper

330 100

332 96.0 76.6 114.8

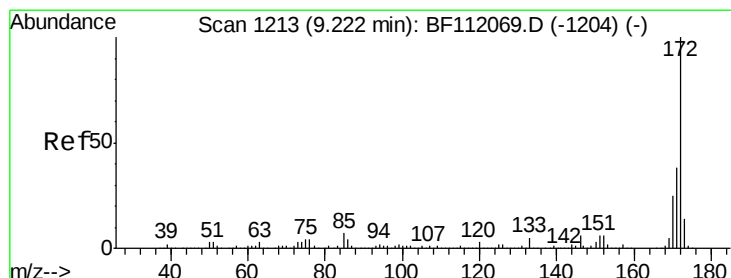
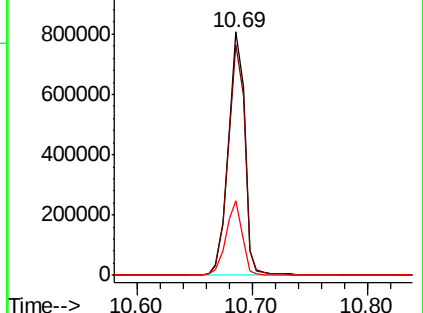
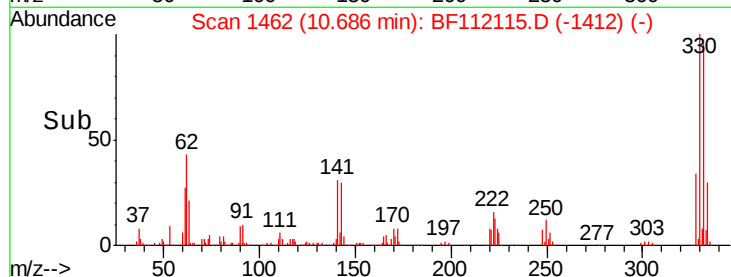
141 30.2 24.3 36.5



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



#45

2-Fluorobiphenyl

Concen: 73.952 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

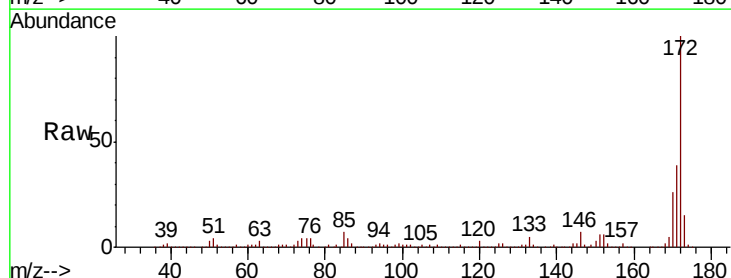
Tgt Ion:172 Resp: 3040394

Ion Ratio Lower Upper

172 100

171 39.3 30.5 45.7

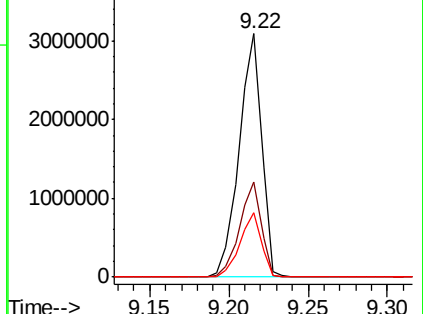
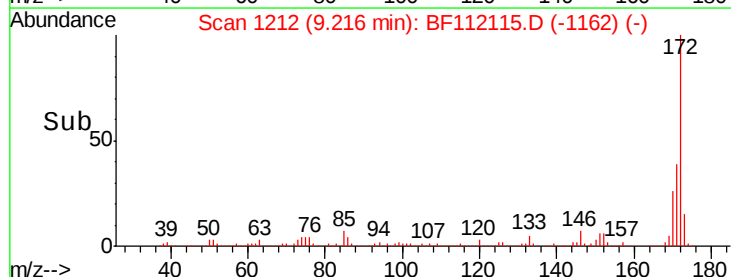
170 26.3 20.2 30.4

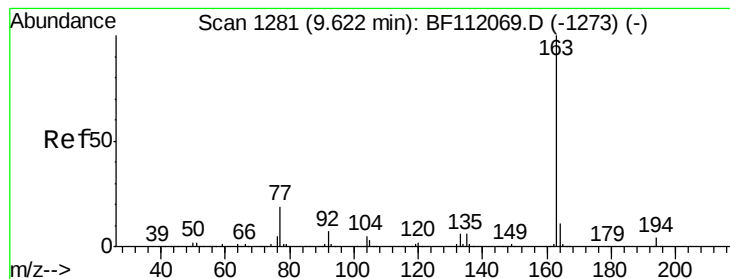


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.918 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

Instrument :

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ClientSampleId :

WC-01-011519

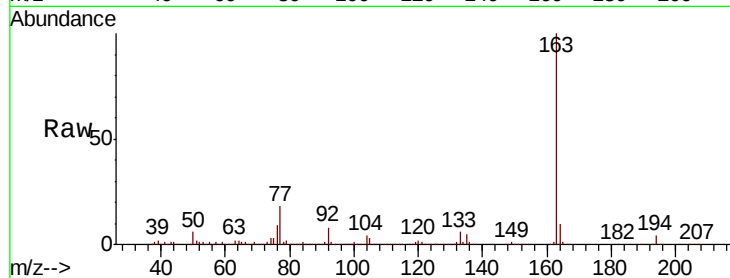
Tot Ion:163 Resp: 348079

Ion Ratio Lower Upper

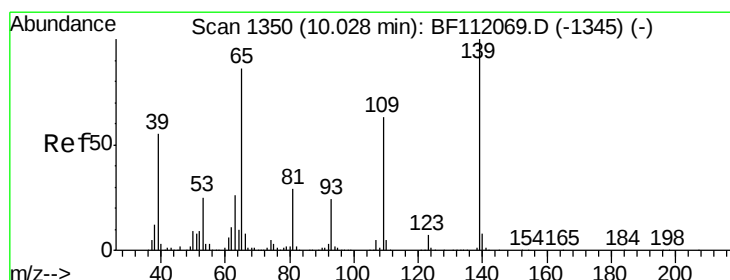
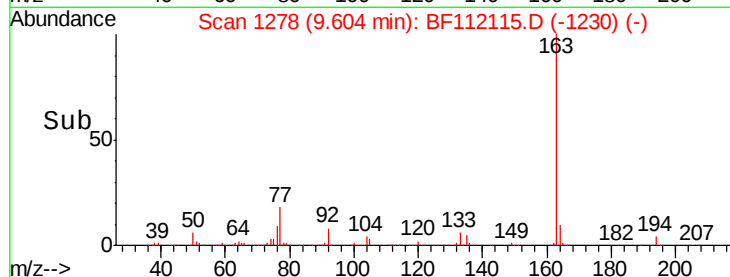
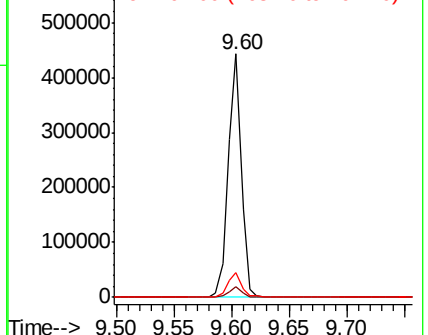
163 100

194 4.2 3.3 4.9

164 10.1 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#56

4-Nitrophenol

Concen: 5.780 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.02 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

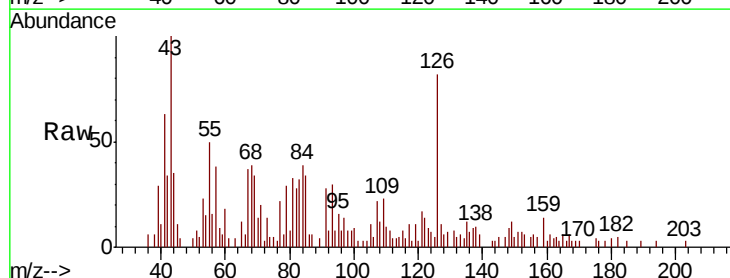
Tgt Ion:139 Resp: 946

Ion Ratio Lower Upper

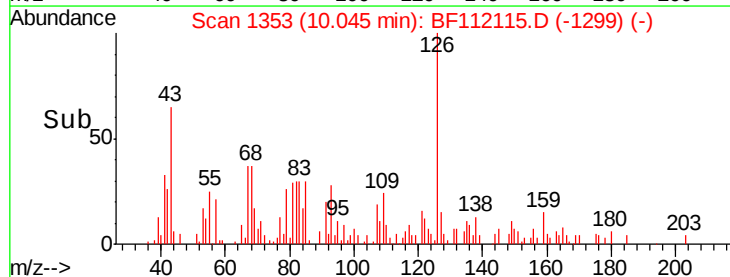
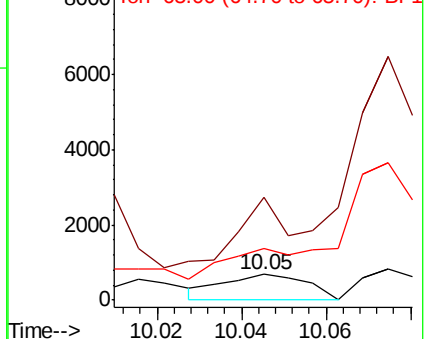
139 100

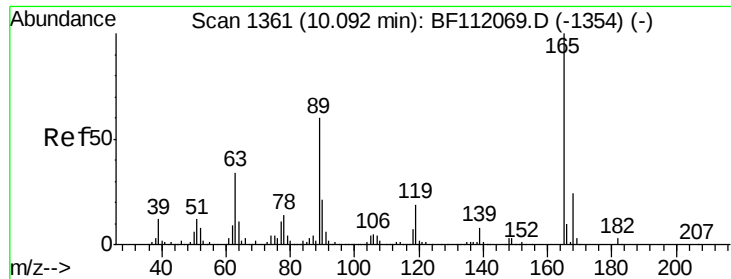
109 398.1 42.8 82.8#

65 201.9 66.1 106.1#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

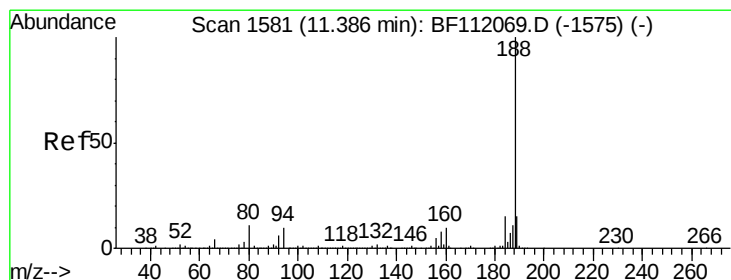
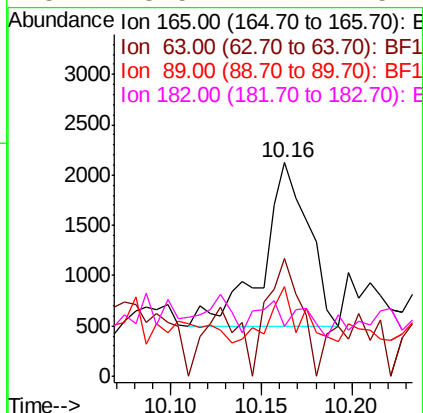
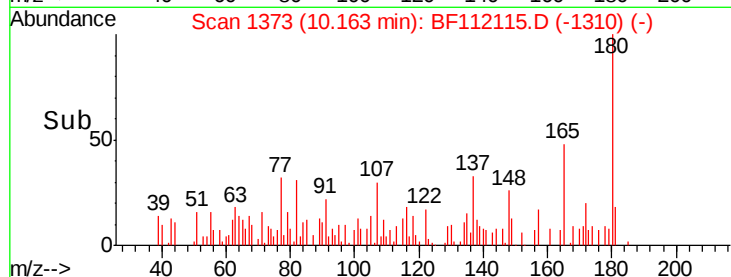
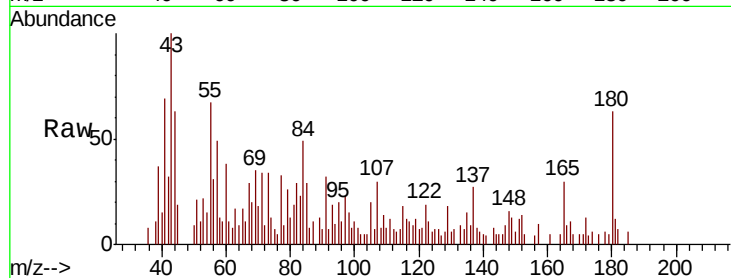




#57
 2,4-Dinitrotoluene
 Concen: 4.813 ng
 RT: 10.16 min Scan# 1373
 Delta R.T. 0.07 min
 Lab File: BF112115.D
 Acq: 18 Jan 2019 9:42

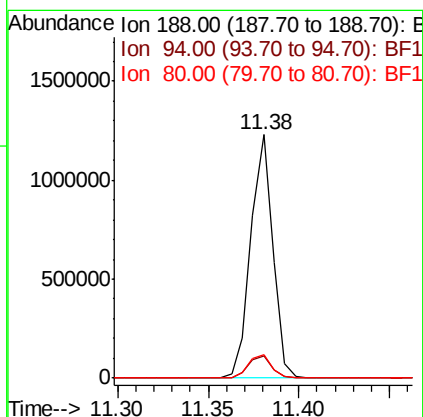
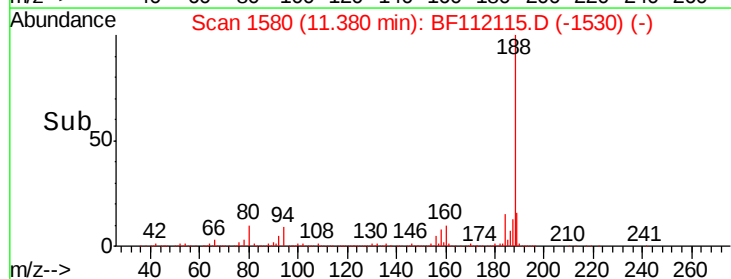
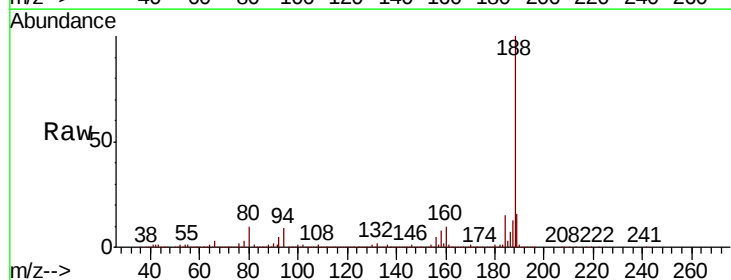
Instrument :
 BNA_F
 ClientSampleId :
 WC-01-011519

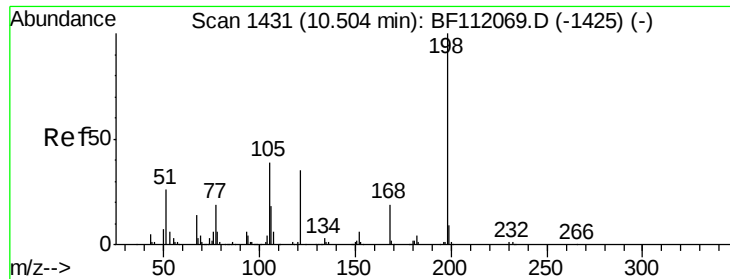
Tot Ion:165 Resp: 2887
 Ion Ratio Lower Upper
 165 100
 63 54.9 27.9 41.9#
 89 41.9 47.9 71.9#
 182 23.5 2.2 3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF112115.D
 Acq: 18 Jan 2019 9:42

Tgt Ion:188 Resp: 1044111
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.2 12.2
 80 9.8 8.9 13.3





#65

4,6-Dinitro-2-methylphenol

Concen: 10.380 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.18 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

Instrument :

BNA_F

ClientSampleId :

WC-01-011519

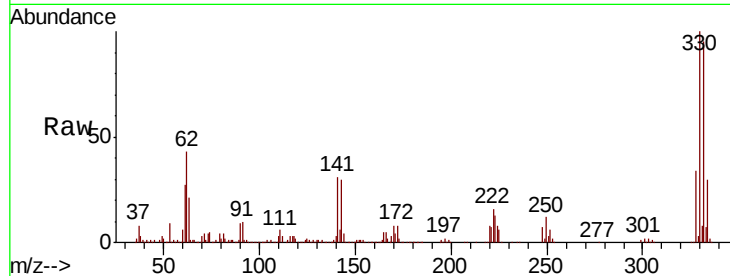
Tot Ion:198 Resp: 1709

Ion Ratio Lower Upper

198 100

51 228.2 17.2 57.2#

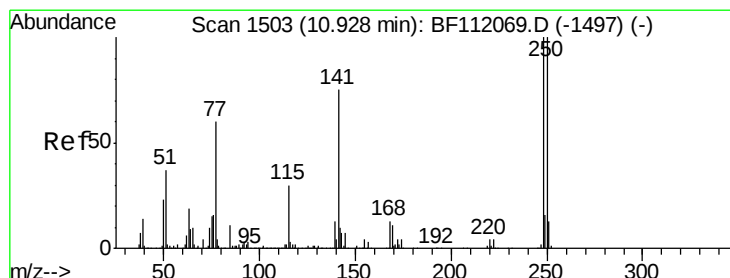
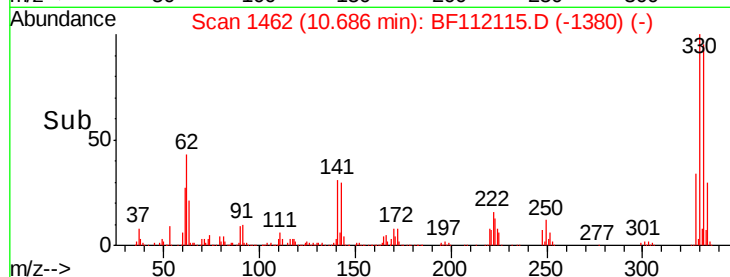
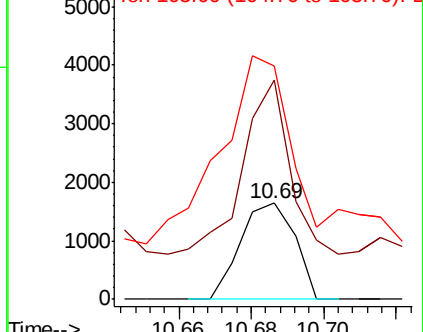
105 242.3 21.9 61.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.963 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.24 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

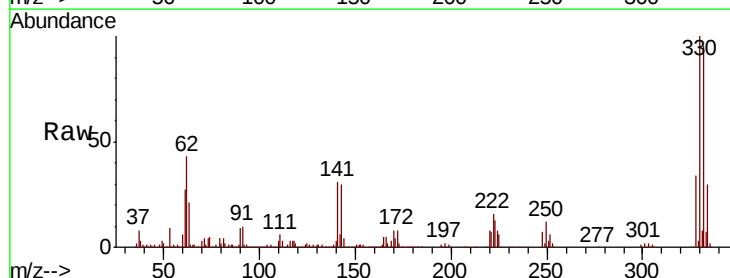
Tgt Ion:248 Resp: 48064

Ion Ratio Lower Upper

248 100

250 189.9 79.7 119.5#

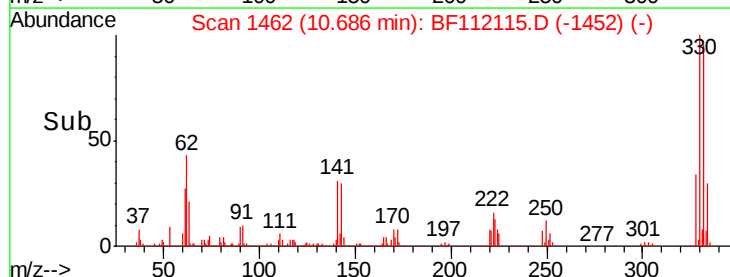
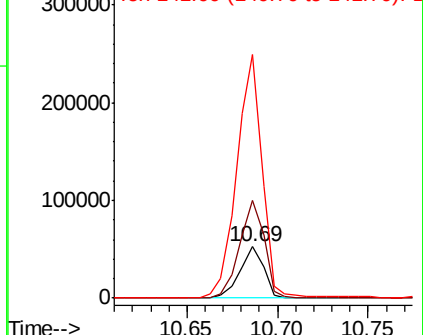
141 474.0 60.3 90.5#

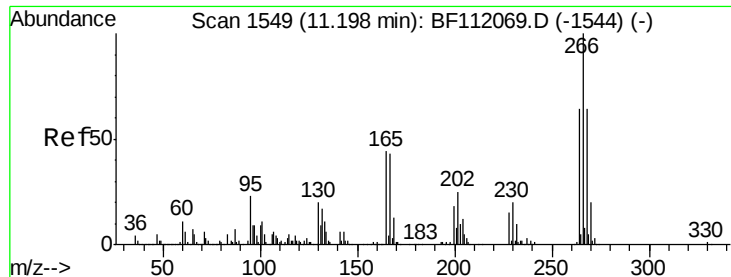


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Pentachlorophenol

Concen: 6.161 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

Instrument :

BNA_F

ClientSampleId :

WC-01-011519

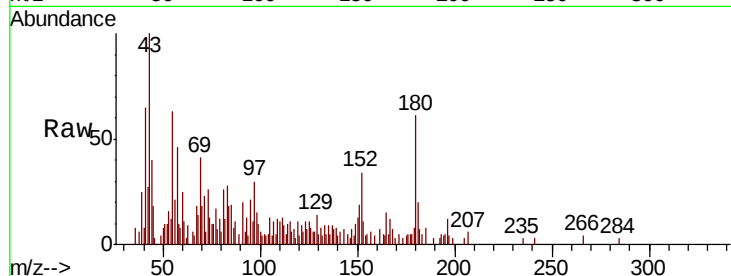
Tot Ion:266 Resp: 380

Ion Ratio Lower Upper

266 100

268 0.0 51.2 76.8#

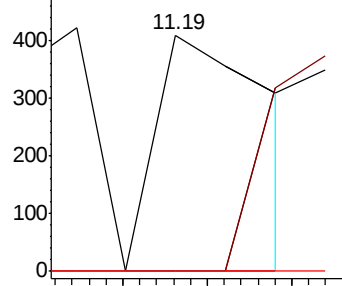
264 0.0 50.9 76.3#



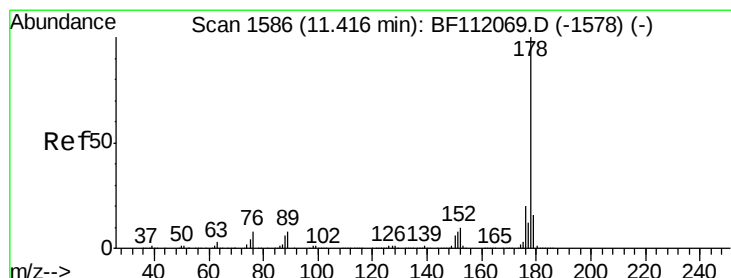
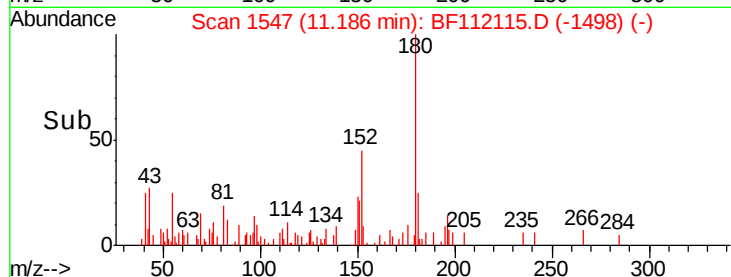
Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



Time-->



#71

Phenanthrene

Concen: 2.036 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

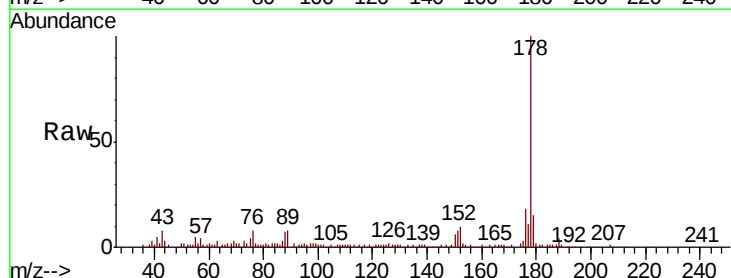
Tgt Ion:178 Resp: 106978

Ion Ratio Lower Upper

178 100

176 17.7 16.3 24.5

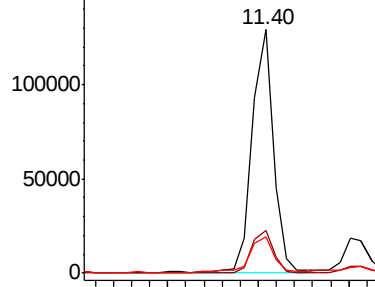
179 15.1 13.0 19.4



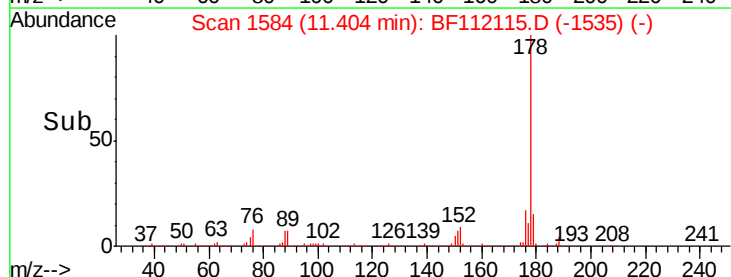
Abundance Ion 178.00 (177.70 to 178.70): E

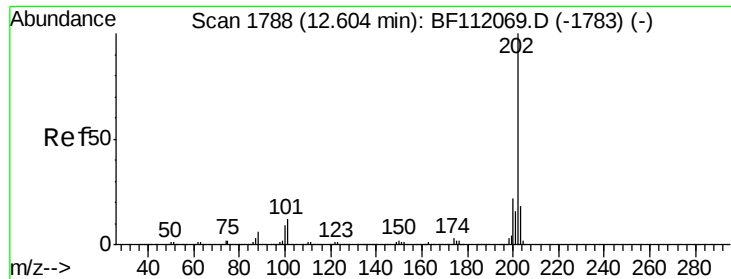
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#75

Fluoranthene

Concen: 2.798 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

Instrument :

BNA_F

ClientSampleId :

WC-01-011519

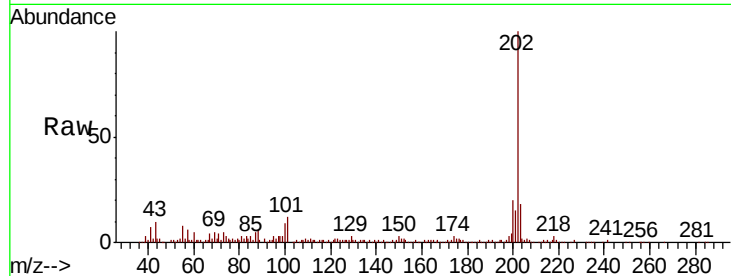
Tot Ion:202 Resp: 155213

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.8

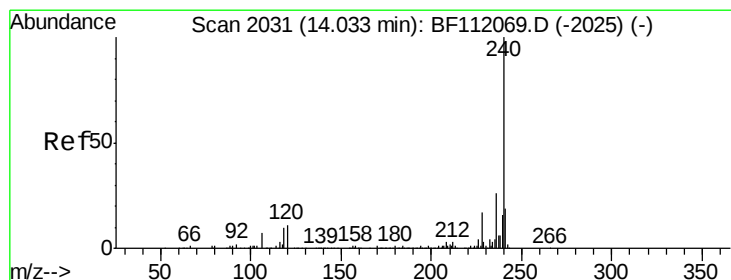
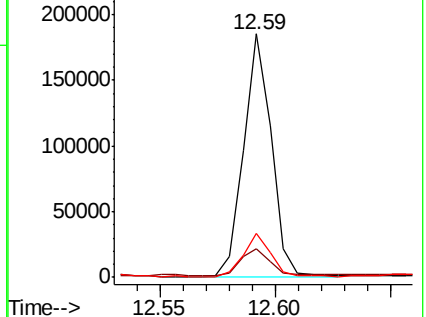
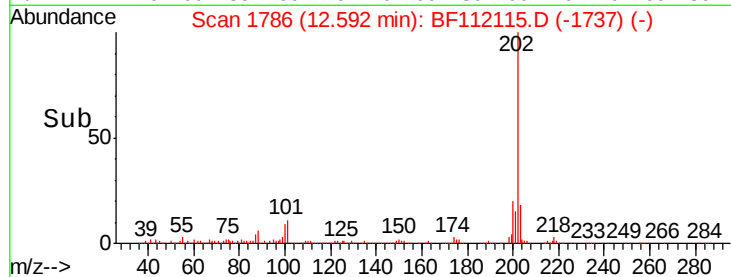
203 17.9 0.0 38.4



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

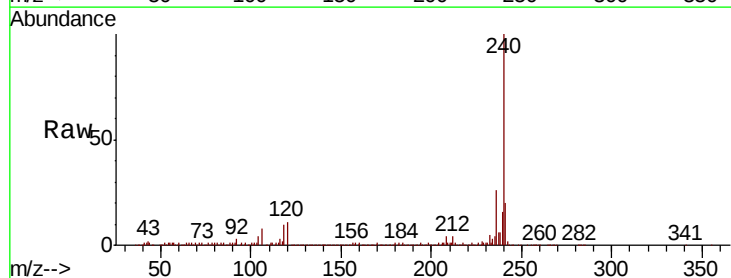
Tgt Ion:240 Resp: 730892

Ion Ratio Lower Upper

240 100

120 11.5 9.0 13.6

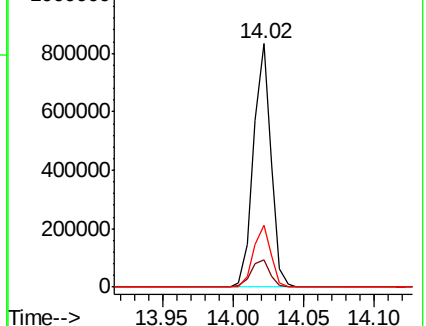
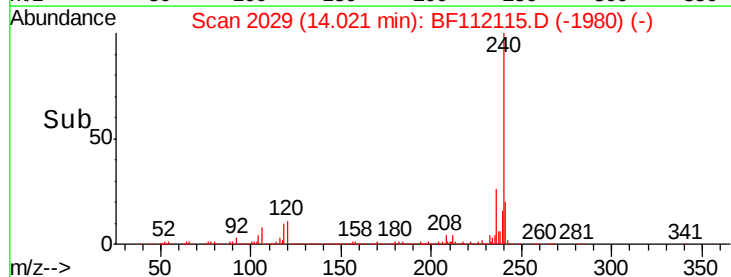
236 25.5 20.7 31.1

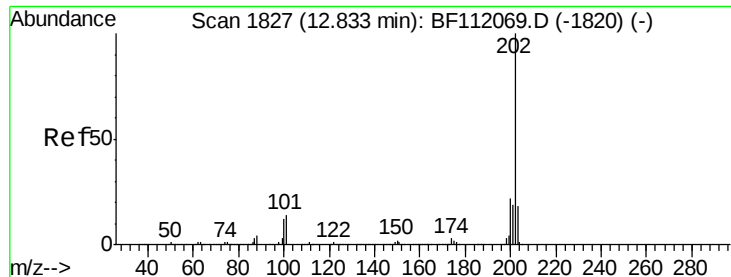


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.310 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

Instrument :

BNA_F

ClientSampleId :

WC-01-011519

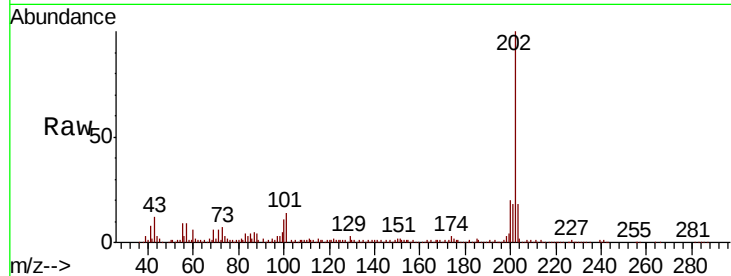
Tot Ion:202 Resp: 159623

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

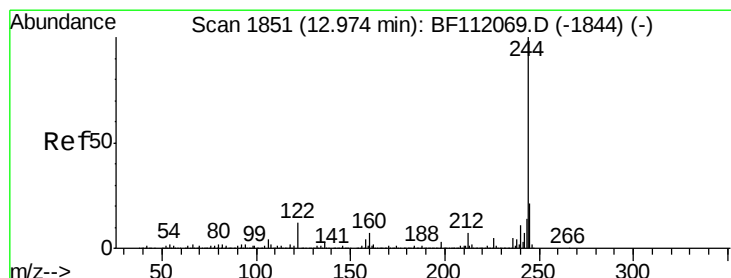
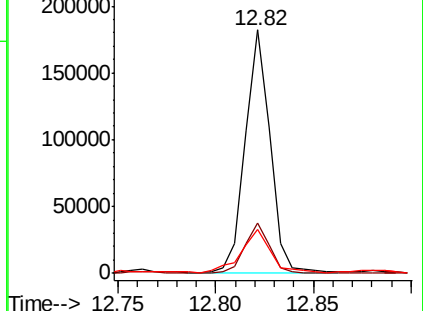
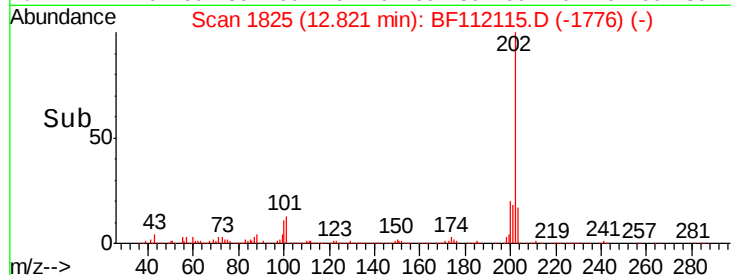
203 18.1 14.6 22.0



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



#79

Terphenyl-d14

Concen: 72.908 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

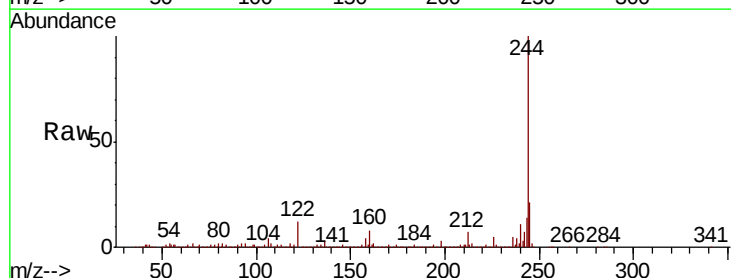
Tgt Ion:244 Resp: 2504856

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

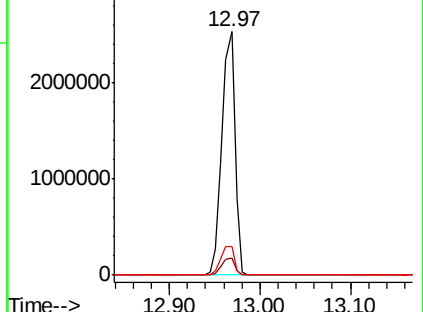
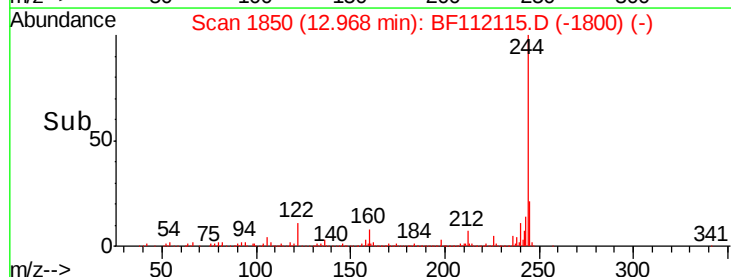
122 11.6 9.8 14.6

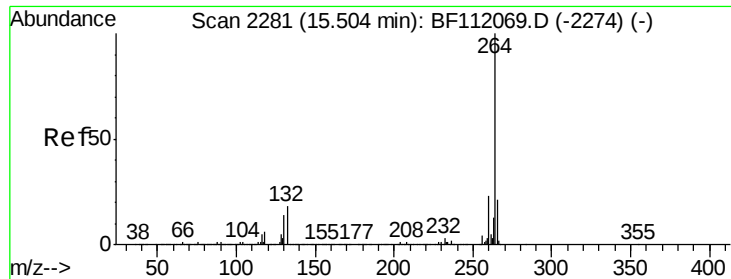


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

Instrument :

BNA_F

ClientSampleId :

WC-01-011519

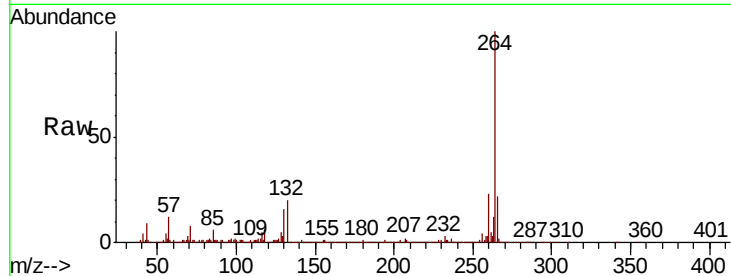
Tot Ion:264 Resp: 749887

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.2

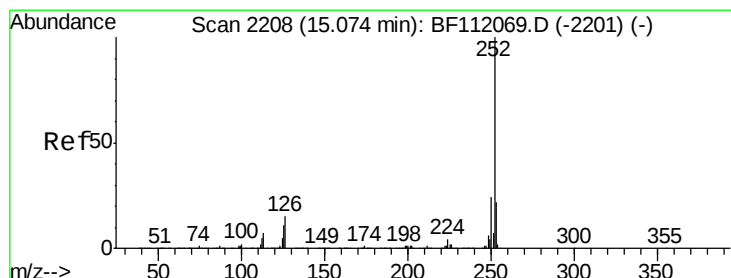
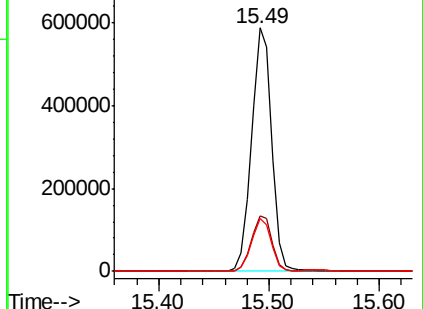
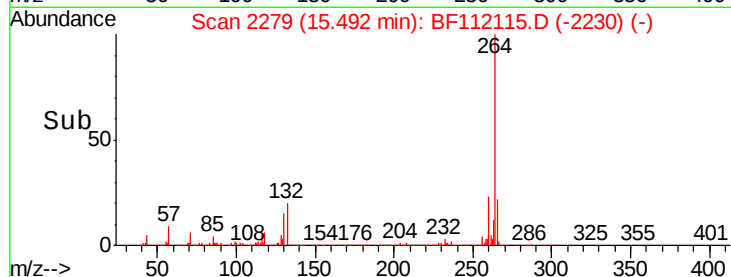
265 21.7 17.0 25.4



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



#88

Benzo(b)fluoranthene

Concen: 2.717 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

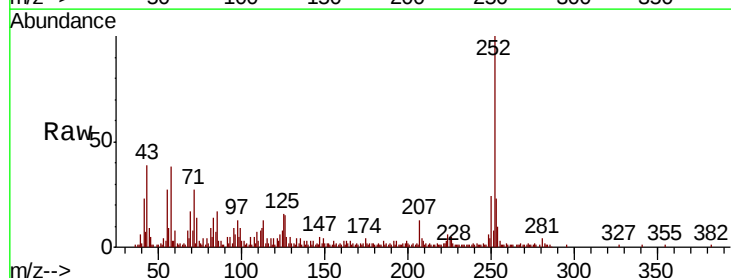
Tgt Ion:252 Resp: 115650

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

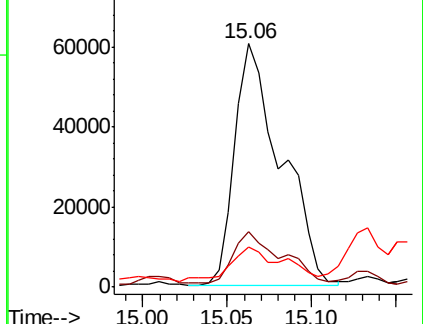
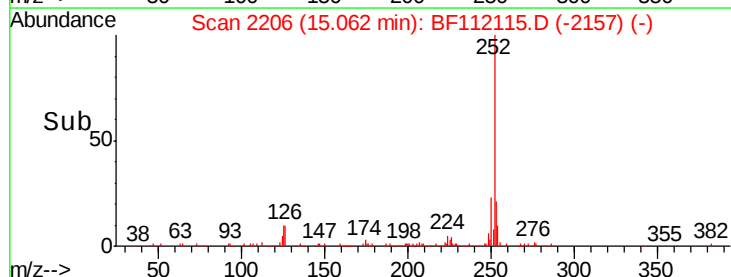
125 16.3 8.7 13.1#

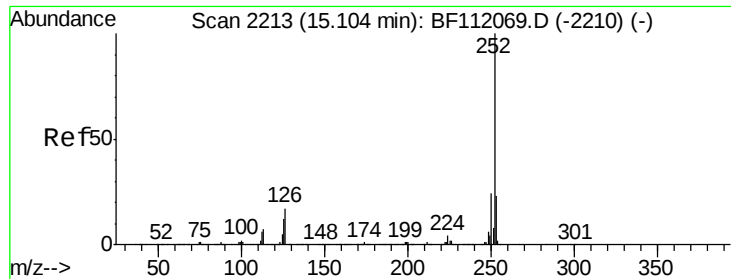


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.807 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.04 min

Lab File: BF112115.D

Acq: 18 Jan 2019 9:42

Instrument :

BNA_F

ClientSampleId :

WC-01-011519

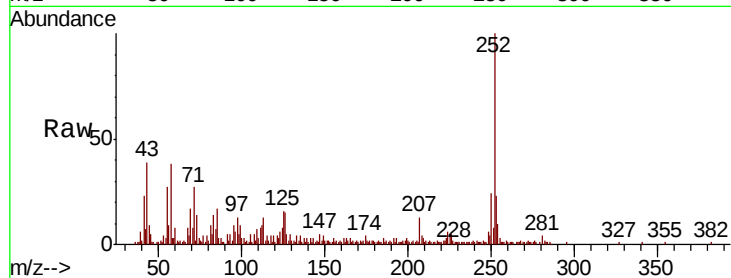
Tot Ion:252 Resp: 115650

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

125 16.3 9.1 13.7#



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

