

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011819\
 Data File : BF112116.D
 Acq On : 18 Jan 2019 10:09
 Operator : JU/SJ
 Sample : K1157-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-02-011519

Quant Time: Jan 18 12:05:44 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	299460	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1118414	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	525382	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	887820	20.00	ng	0.00
76) Chrysene-d12	14.02	240	723121	20.00	ng	-0.01
87) Perylene-d12	15.50	264	789062	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1587605	96.23	ng	0.00
7) Phenol-d6	6.50	99	1978479	95.84	ng	0.00
23) Nitrobenzene-d5	7.42	82	1238016	76.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	534650	94.33	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2285787	63.79	ng	0.00
79) Terphenyl-d14	12.96	244	1967417	57.88	ng	-0.01

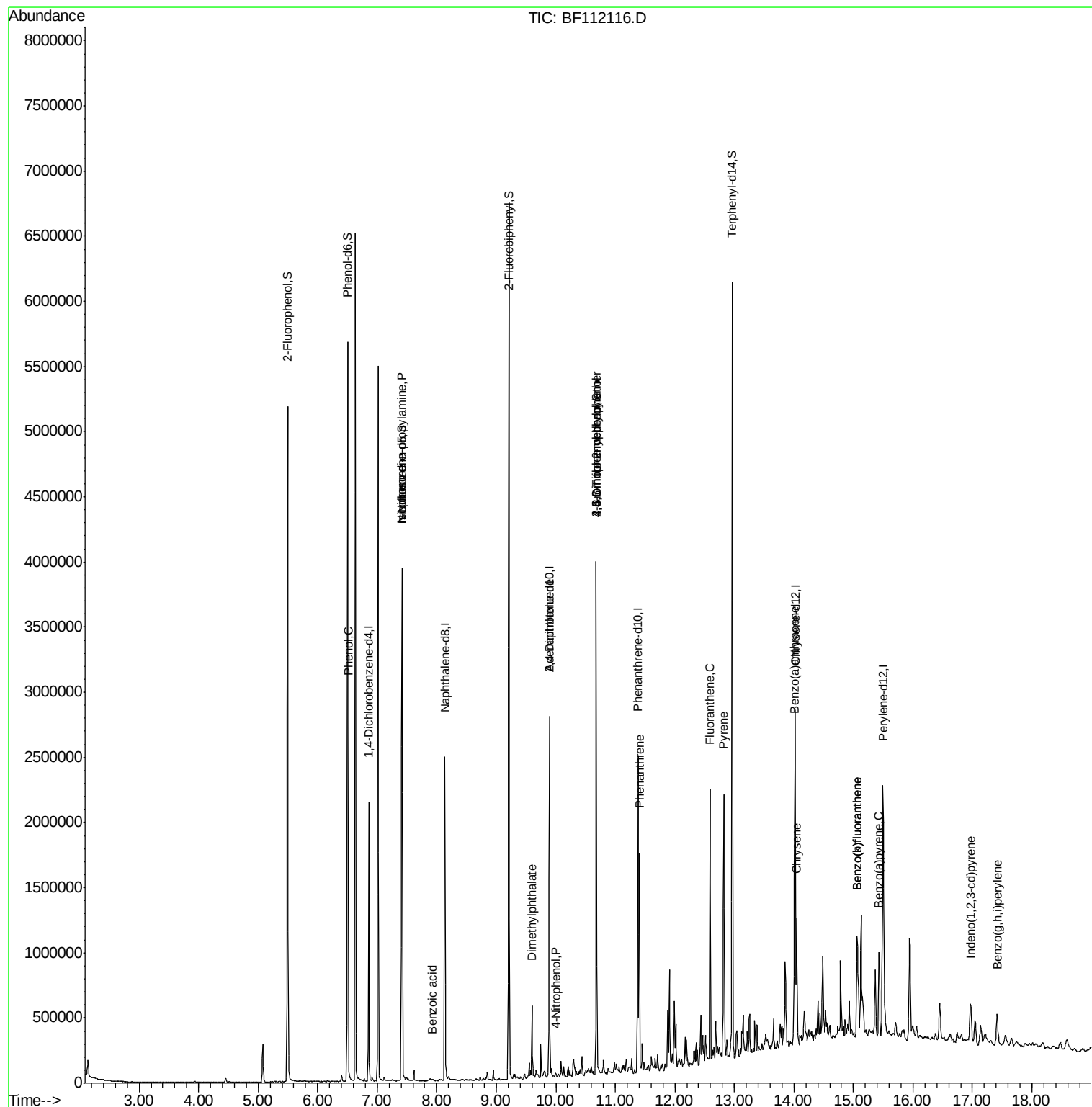
Target Compounds				Qvalue		
9) Benzaldehyde	6.40	77	10226	Below Cal		93
10) Phenol	6.52	94	71284	3.160 ng	#	74
19) n-Nitroso-di-n-propylamine	7.42	70	169708	13.495 ng	#	77
25) Isophorone	7.42	82	1235903	39.527 ng	#	64
32) Benzoic acid	7.93	122	1633	7.438 ng	#	55
50) Dimethylphthalate	9.60	163	224669	5.864 ng		98
56) 4-Nitrophenol	9.99	139	803	5.777 ng	#	82
57) 2,4-Dinitrotoluene	9.89	165	70904	11.111 ng	#	32
65) 4,6-Dinitro-2-methylphenol	10.69	198	1131	10.311 ng	#	1
67) 4-Bromophenyl-phenylether	10.69	248	30536	2.961 ng	#	1
71) Phenanthrene	11.40	178	597472	13.372 ng		97
75) Fluoranthene	12.59	202	762788	16.169 ng		99
78) Pvrene	12.82	202	770830	16.157 ng		97
81) Benzo(a)anthracene	14.01	228	350327	8.449 ng		96
83) Chrysene	14.04	228	346938	8.843 ng		97
86) Indeno(1,2,3-cd)pyrene	16.97	276	191864	5.301 ng		96
88) Benzo(b)fluoranthene	15.06	252	561040	12.526 ng		99
89) Benzo(k)fluoranthene	15.06	252	561040	12.942 ng		99
90) Benzo(a)pvrene	15.43	252	315246	7.675 ng	#	95
92) Benzo(a,h,i)perylene	17.42	276	187113	5.206 ng		99

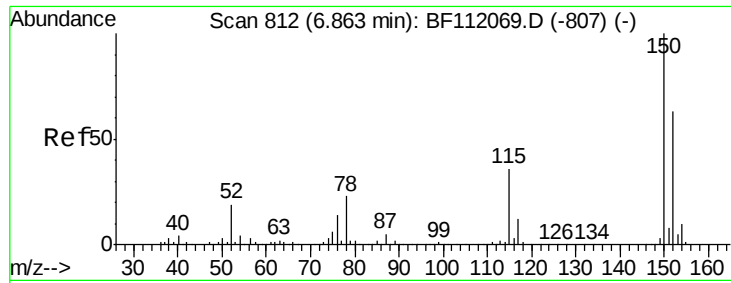
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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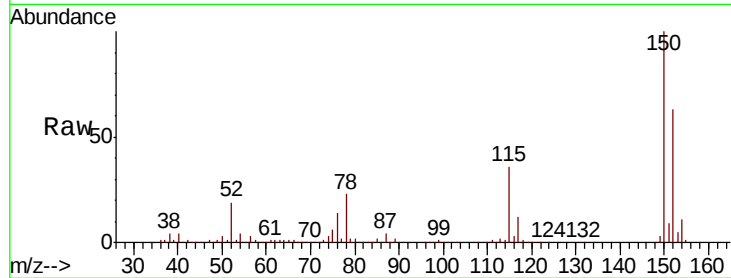


#1

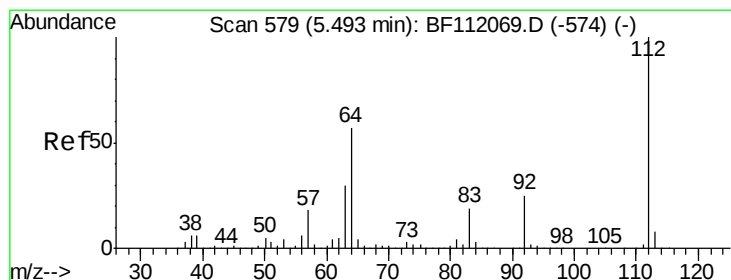
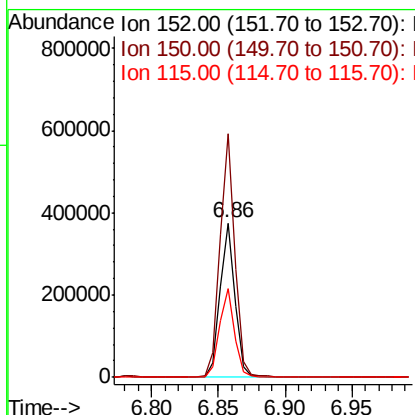
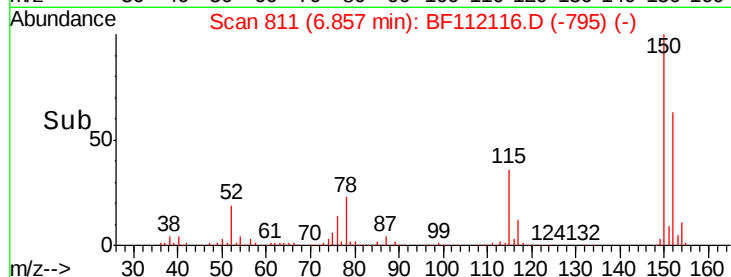
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

Instrument :
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ClientSampleId :
WC-02-011519

Tot Ion:152 Resp: 299460
Ion Ratio Lower Upper
152 100
150 157.8 127.4 191.0
115 57.1 45.5 68.3



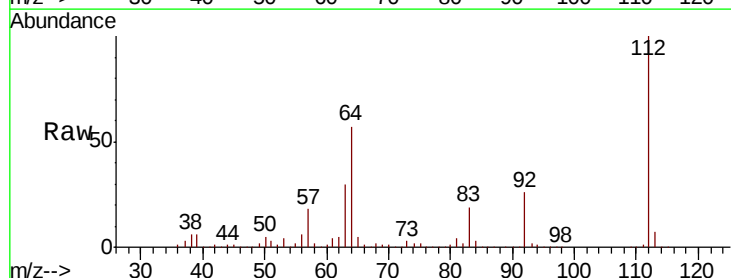
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



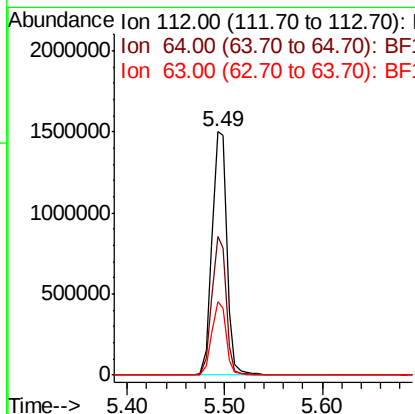
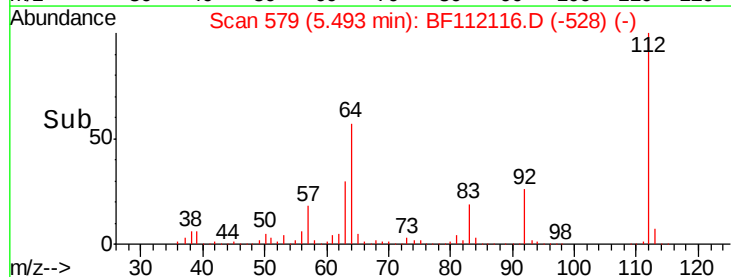
#5

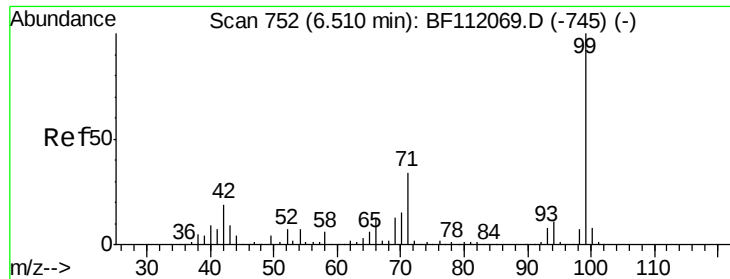
2-Fluorophenol
Concen: 96.225 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

Tgt Ion:112 Resp: 1587605
Ion Ratio Lower Upper
112 100
64 56.9 45.7 68.5
63 30.1 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: 95.845 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112116.D

Acq: 18 Jan 2019 10:09

Instrument :

BNA_F

ClientSampleId :

WC-02-011519

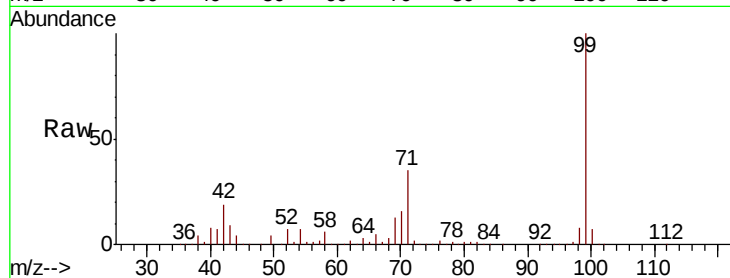
Tot Ion: 99 Resp: 1978479

Ion Ratio Lower Upper

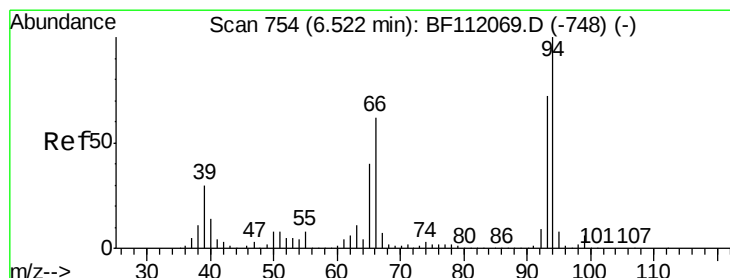
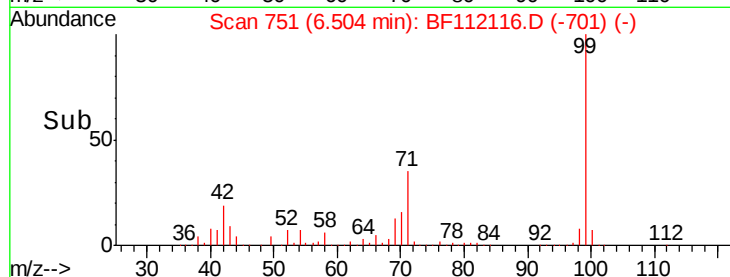
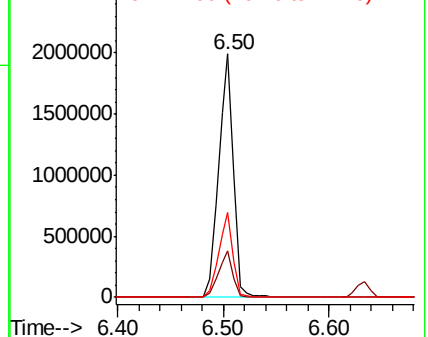
99 100

42 19.2 15.1 22.7

71 34.9 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: 3.160 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF112116.D

Acq: 18 Jan 2019 10:09

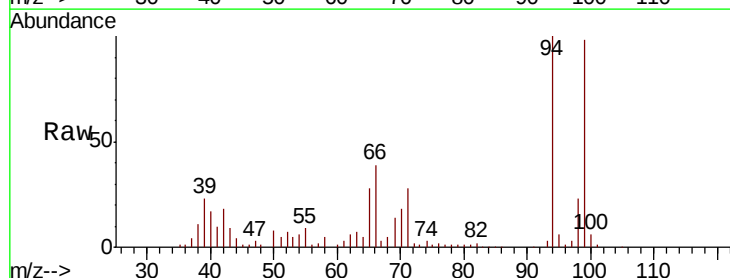
Tgt Ion: 94 Resp: 71284

Ion Ratio Lower Upper

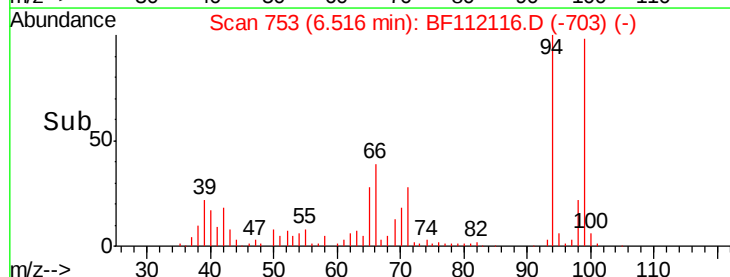
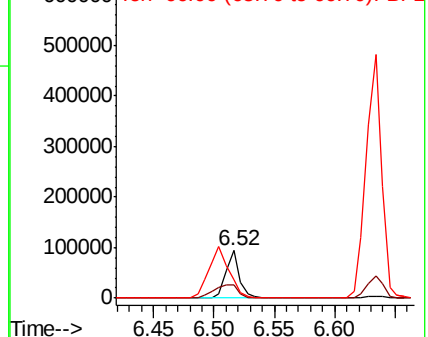
94 100

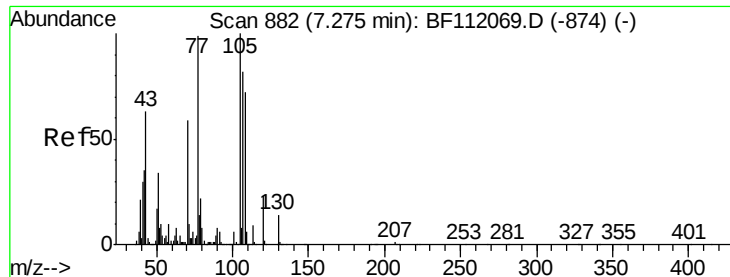
65 27.5 20.3 60.3

66 39.1 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

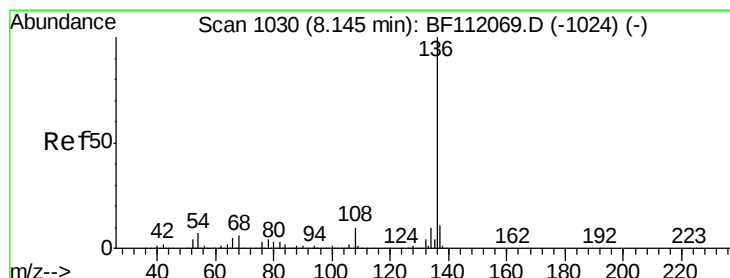
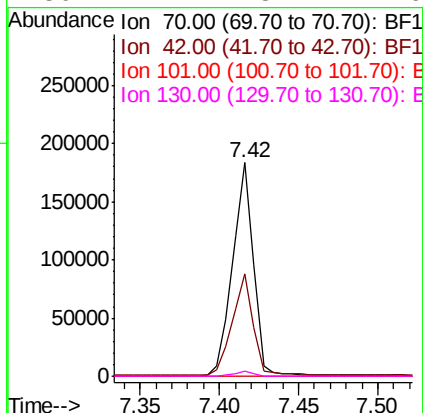
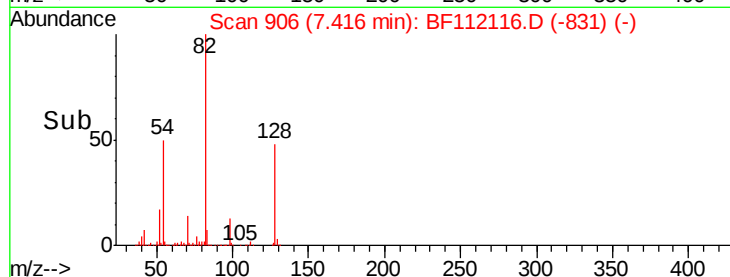
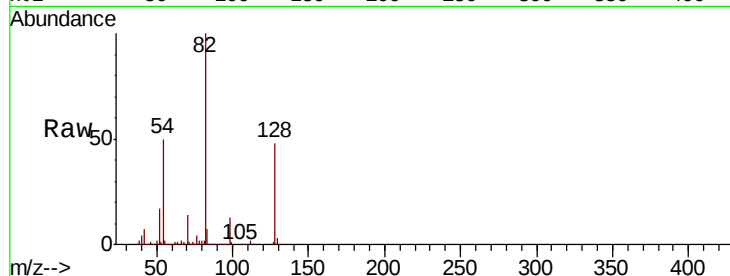




#19
n-Nitroso-di-n-propylamine
Concen: 13.495 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.14 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

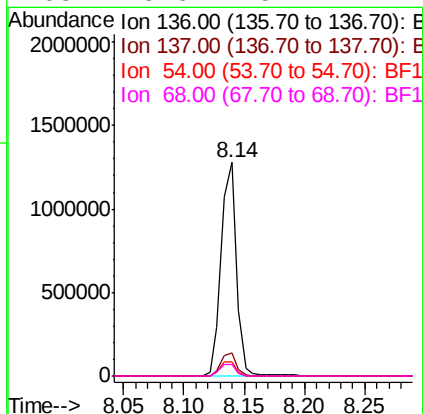
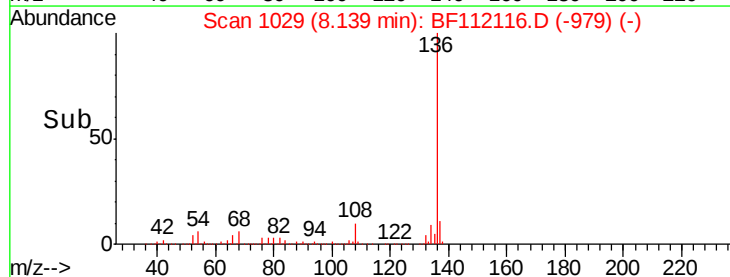
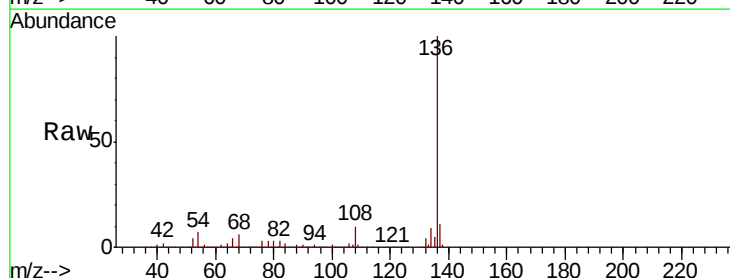
Instrument :
BNA_F
ClientSampled :
WC-02-011519

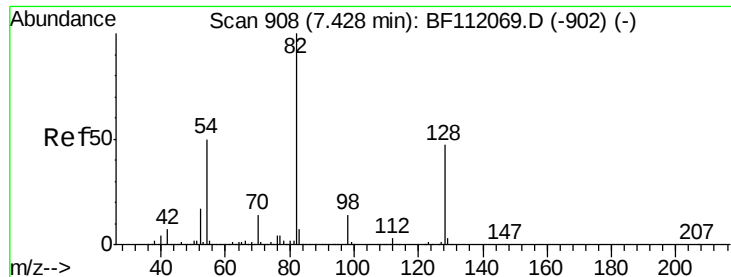
Tot Ion: 70 Resp: 169708
Ion Ratio Lower Upper
70 100
42 48.1 47.6 71.4
101 0.0 7.9 11.9#
130 2.4 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

Tgt Ion: 136 Resp: 1118414
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 6.5 5.9 8.9
68 5.6 5.1 7.7

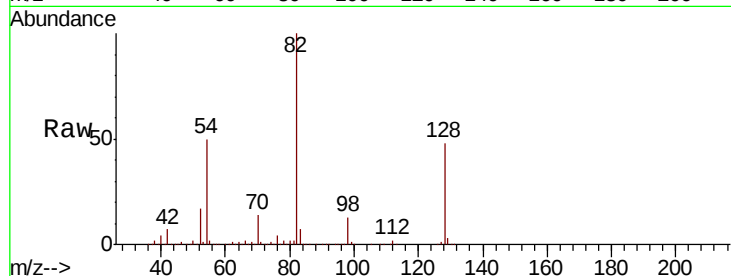




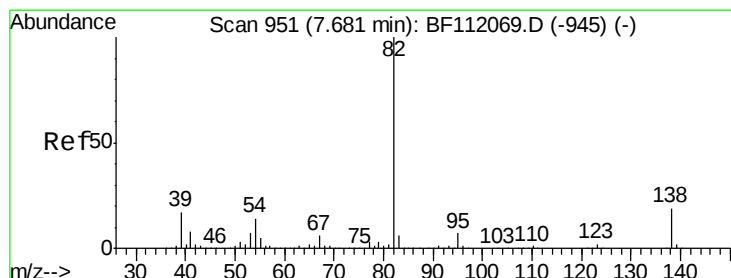
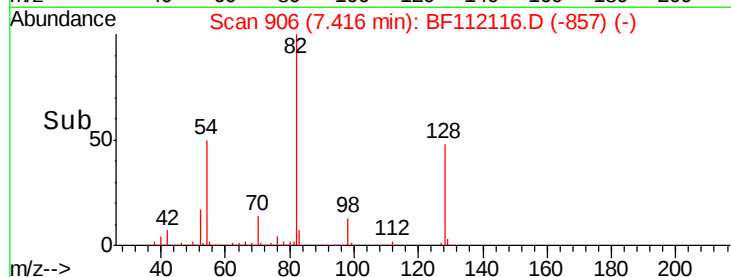
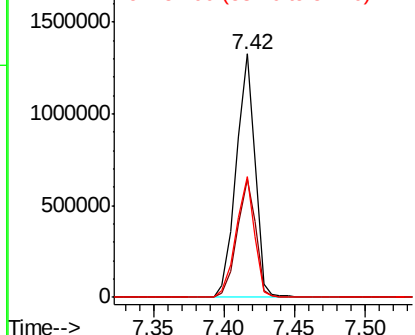
#23
Nitrobenzene-d5
Concen: 76.477 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

Instrument :
BNA_F
ClientSampleId :
WC-02-011519

Tot Ion: 82 Resp: 1238016
Ion Ratio Lower Upper
82 100
128 48.5 37.8 56.8
54 49.7 39.7 59.5

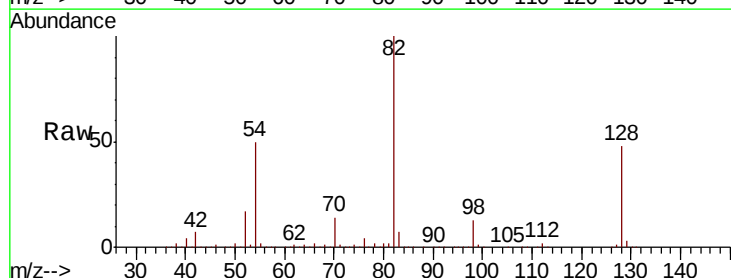


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

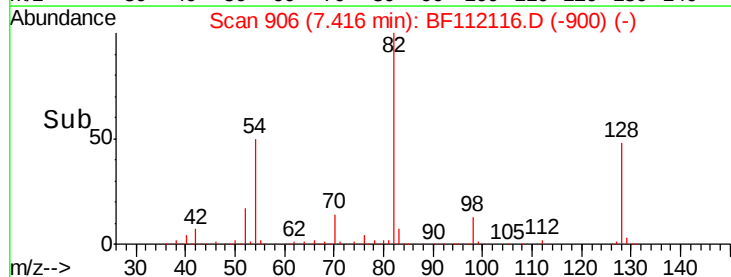
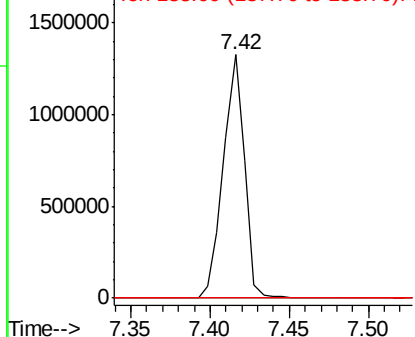


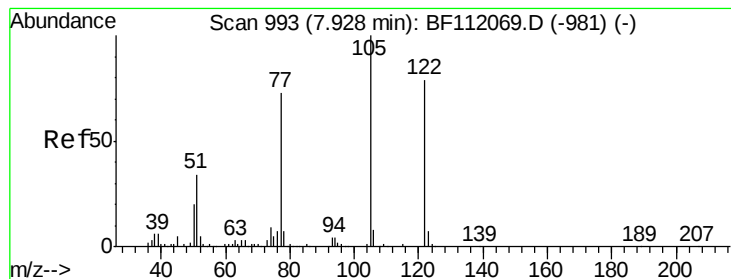
#25
Isophorone
Concen: 39.527 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

Tgt Ion: 82 Resp: 1235903
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 15.4 23.0#



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





#32

Benzoic acid

Concen: 7.438 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: BF112116.D

Acq: 18 Jan 2019 10:09

Instrument :

BNA_F

ClientSampleId :

WC-02-011519

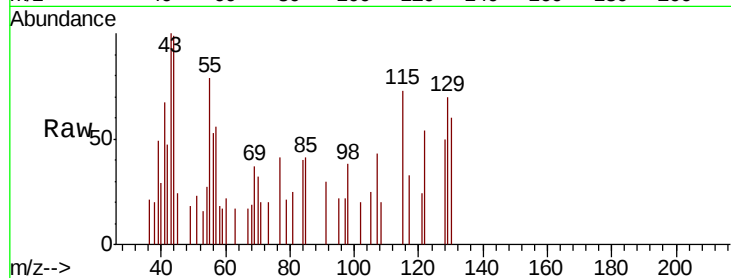
Tot Ion:122 Resp: 1633

Ion Ratio Lower Upper

122 100

105 46.7 101.2 141.2#

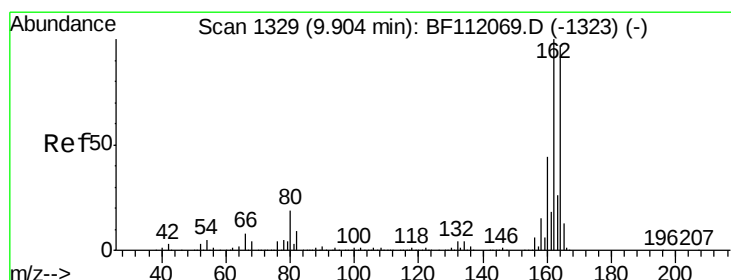
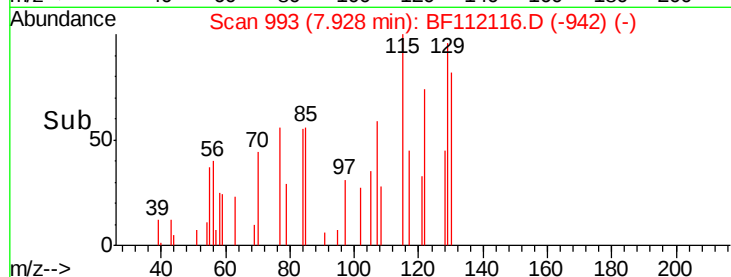
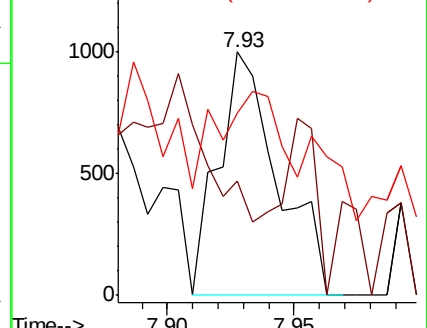
77 74.8 70.4 110.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF112116.D

Acq: 18 Jan 2019 10:09

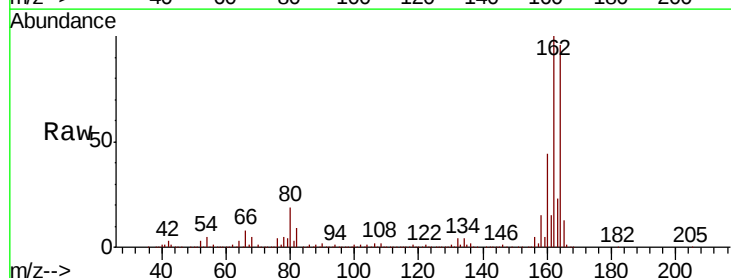
Tgt Ion:164 Resp: 525382

Ion Ratio Lower Upper

164 100

162 104.1 82.2 123.4

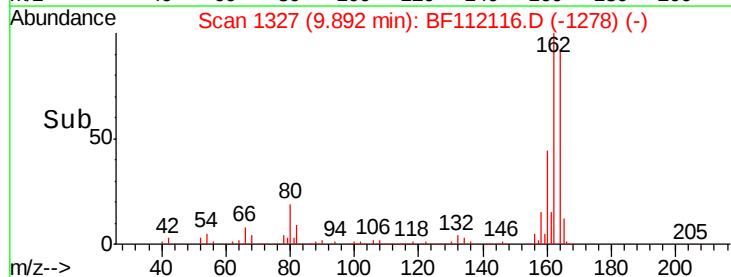
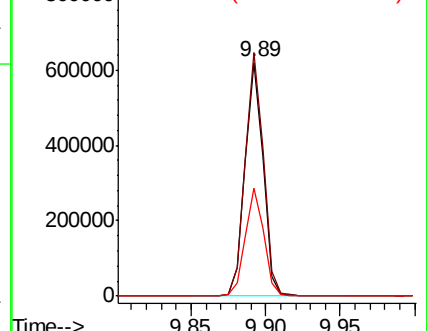
160 46.0 36.2 54.4

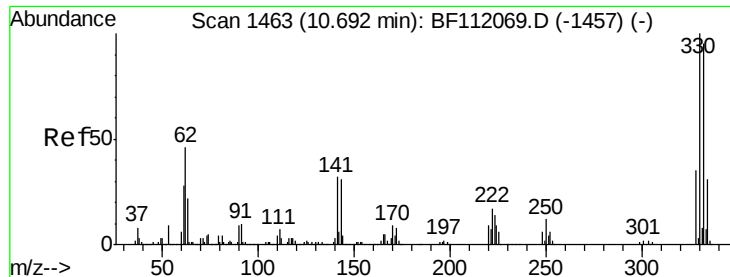


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

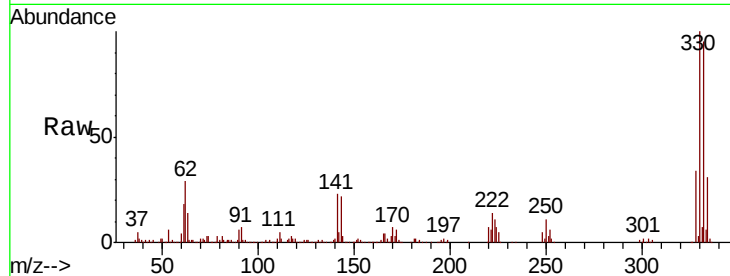




#42
 2,4,6-Tribromophenol
 Concen: 94.332 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112116.D
 Acq: 18 Jan 2019 10:09

Instrument :
 BNA_F
 ClientSampleId :
 WC-02-011519

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	114.8
141	29.3	24.3	36.5

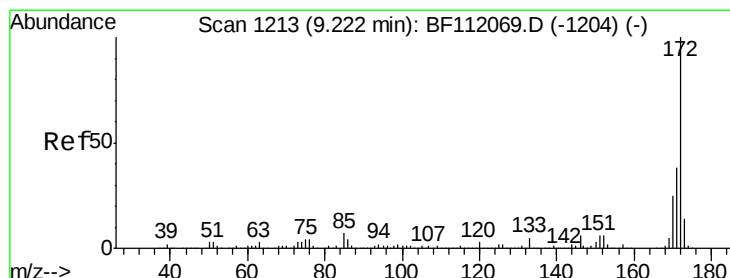
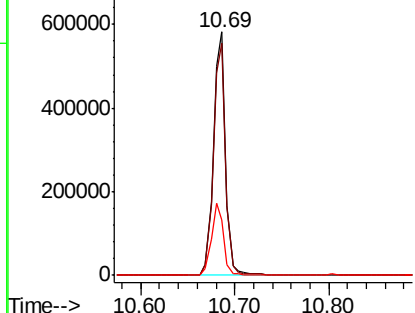
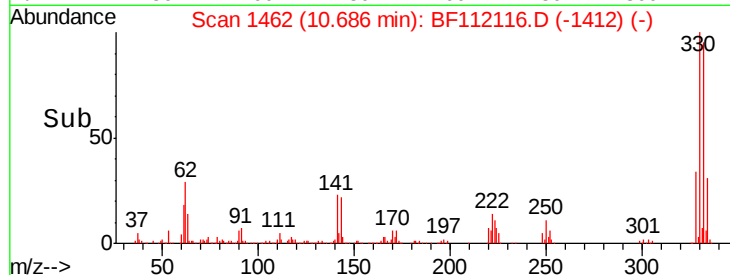


Abundance

Ion 329.80 (329.50 to 330.50): E

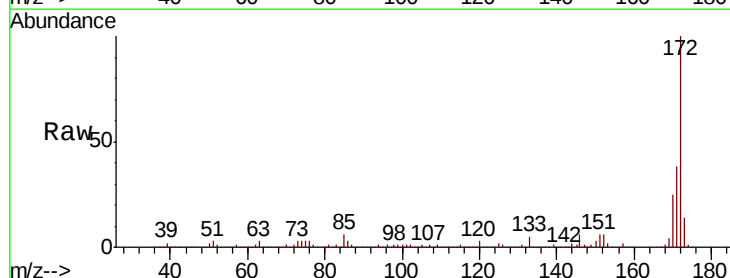
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 63.786 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF112116.D
 Acq: 18 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.5	45.7
170	24.8	20.2	30.4

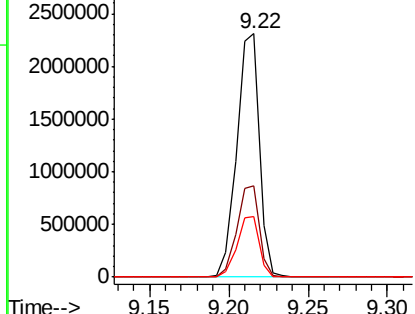
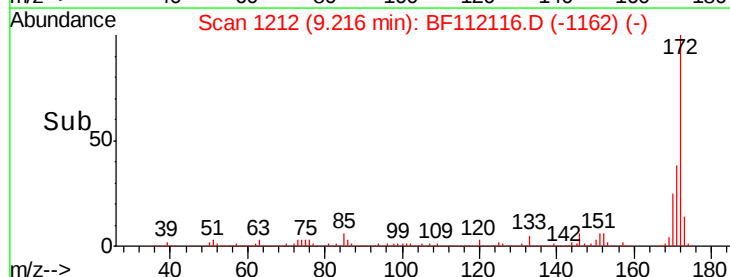


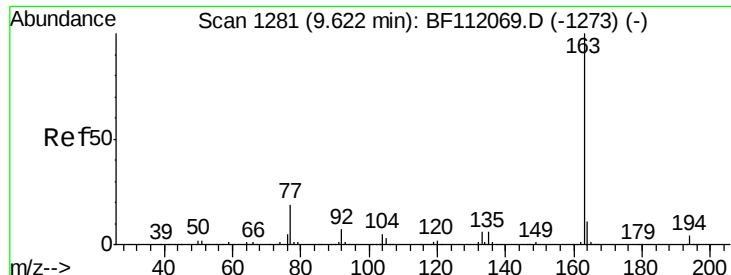
Abundance

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

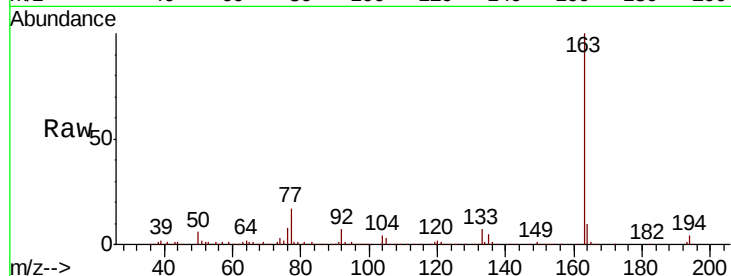




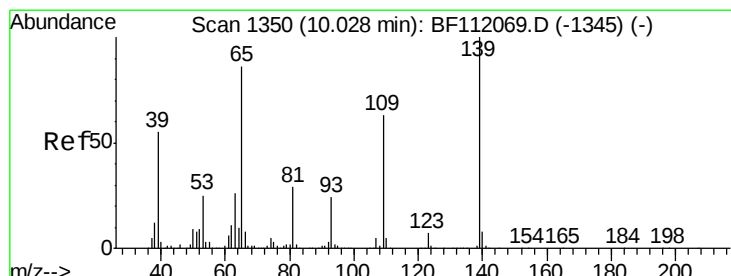
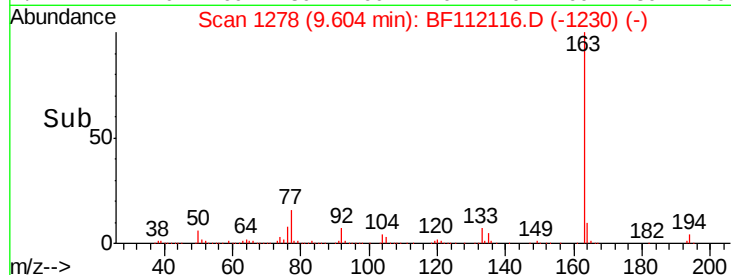
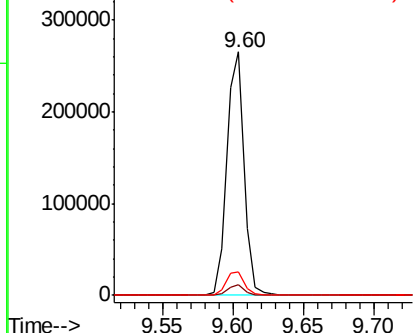
#50
Dimethylphthalate
Concen: 5.864 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

Instrument :
BNA_F
ClientSampleId :
WC-02-011519

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.8	8.5	12.7

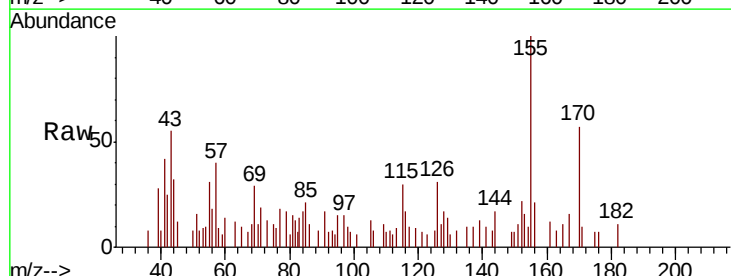


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

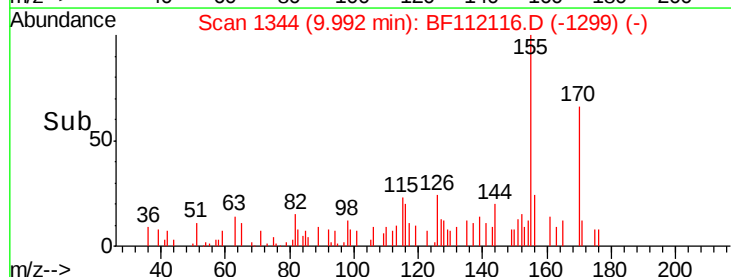
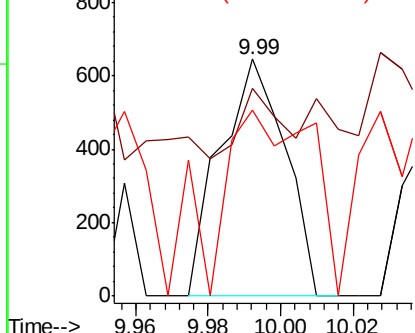


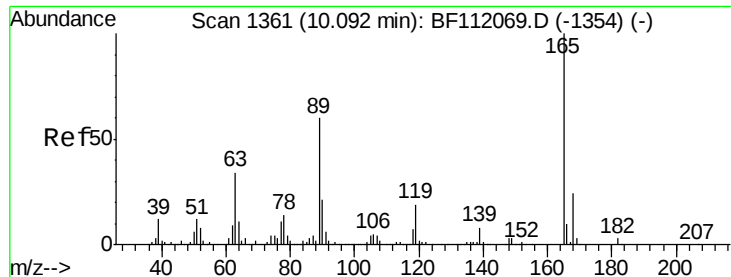
#56
4-Nitrophenol
Concen: 5.777 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.03 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
139	100		
109	87.4	42.8	82.8#
65	78.3	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

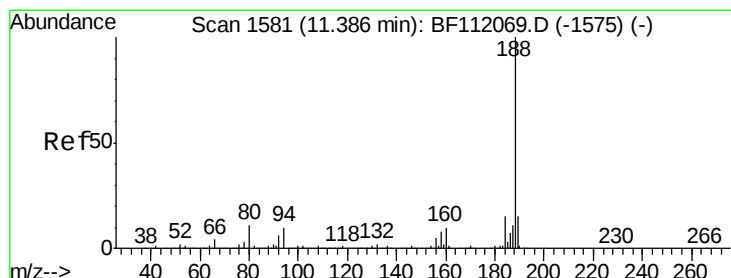
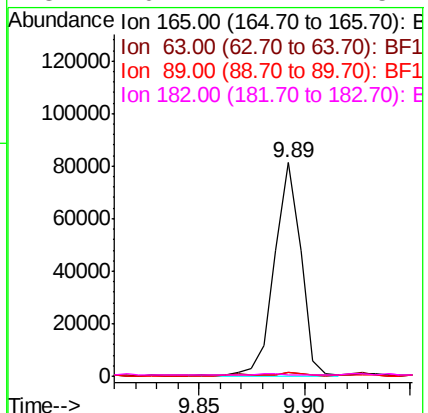
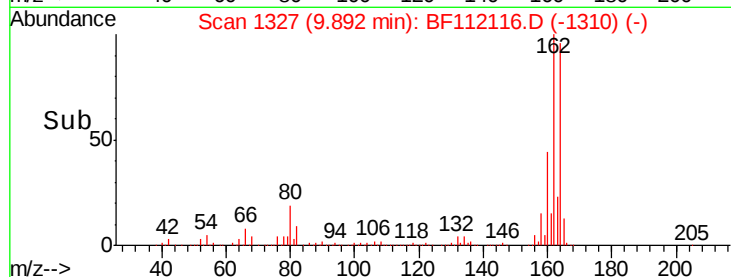
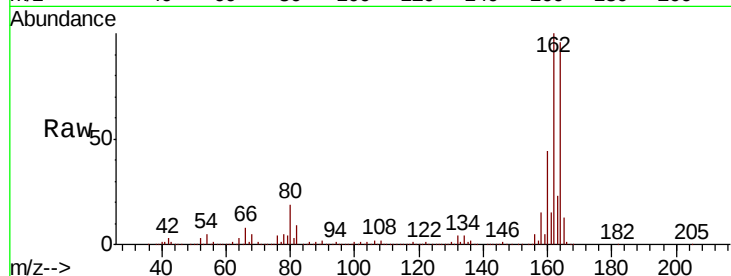




#57
 2,4-Dinitrotoluene
 Concen: 11.111 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.20 min
 Lab File: BF112116.D
 Acq: 18 Jan 2019 10:09

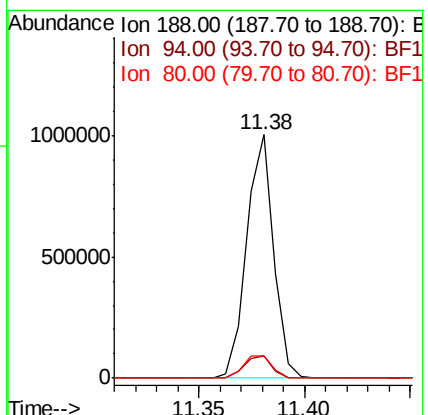
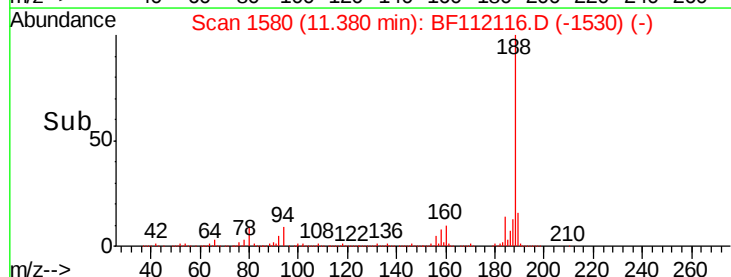
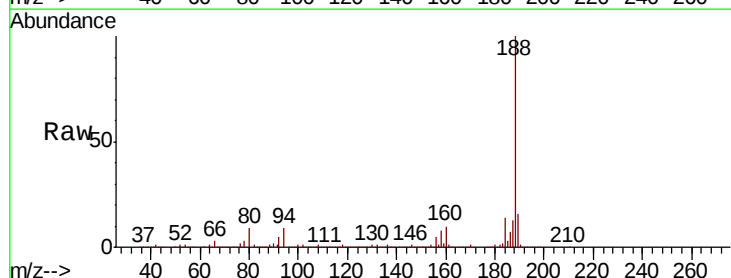
Instrument :
 BNA_F
 ClientSampleId :
 WC-02-011519

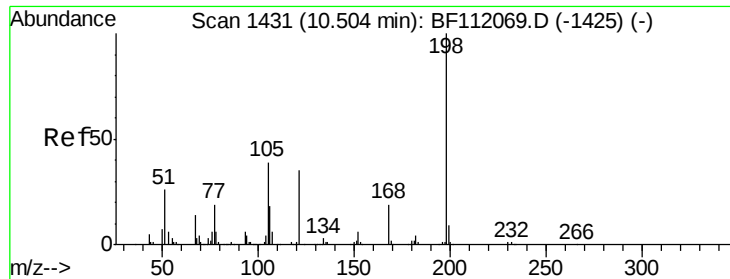
Tot Ion:165 Resp: 70904
 Ion Ratio Lower Upper
 165 100
 63 1.7 27.9 41.9#
 89 1.6 47.9 71.9#
 182 0.7 2.2 3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF112116.D
 Acq: 18 Jan 2019 10:09

Tgt Ion:188 Resp: 887820
 Ion Ratio Lower Upper
 188 100
 94 8.9 8.2 12.2
 80 8.9 8.9 13.3

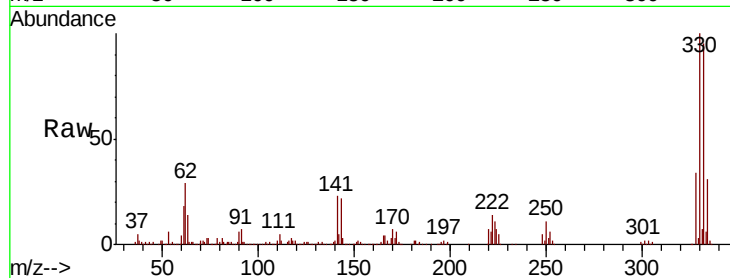




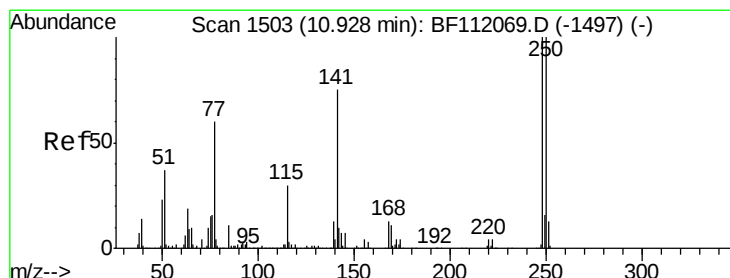
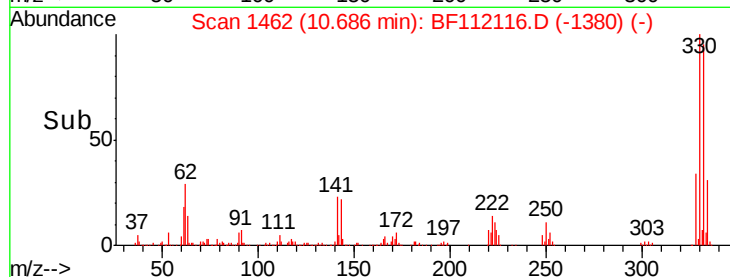
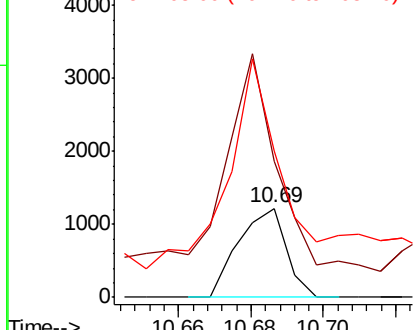
#65
4,6-Dinitro-2-methylphenol
Concen: 10.311 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.18 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

Instrument :
BNA_F
ClientSampleId :
WC-02-011519

Tot Ion:198 Resp: 1131
Ion Ratio Lower Upper
198 100
51 152.8 17.2 57.2#
105 164.0 21.9 61.9#

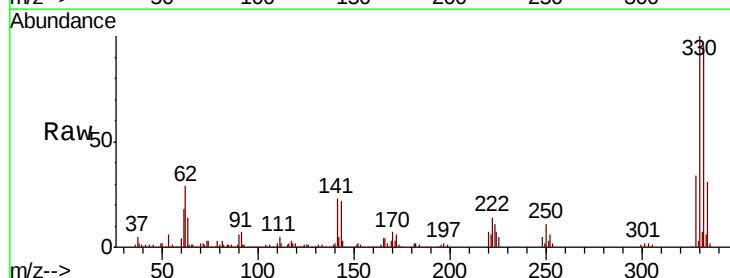


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

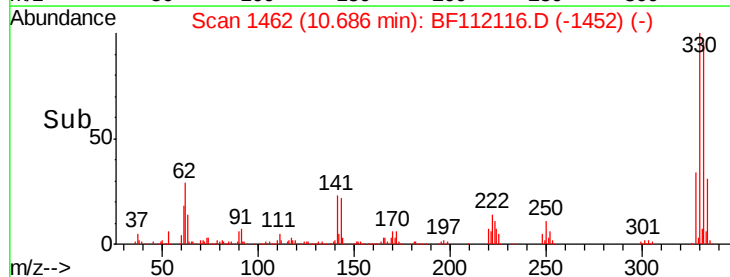
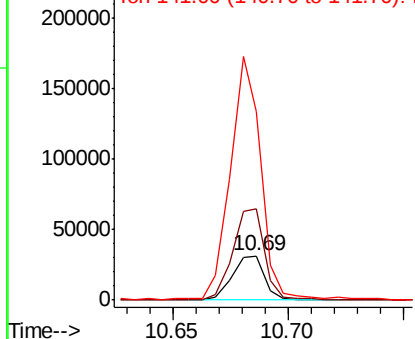


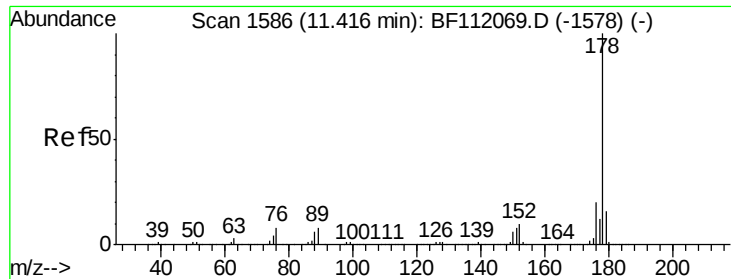
#67
4-Bromophenyl-phenylether
Concen: 2.961 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.24 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

Tgt Ion:248 Resp: 30536
Ion Ratio Lower Upper
248 100
250 205.4 79.7 119.5#
141 423.4 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

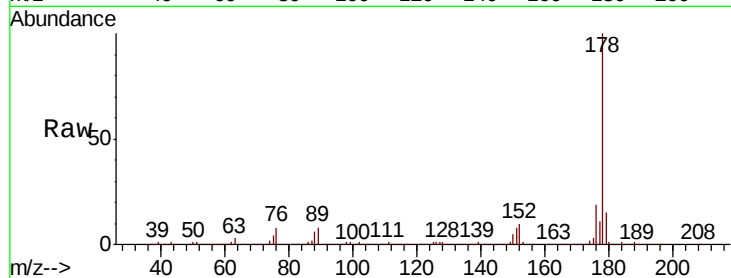




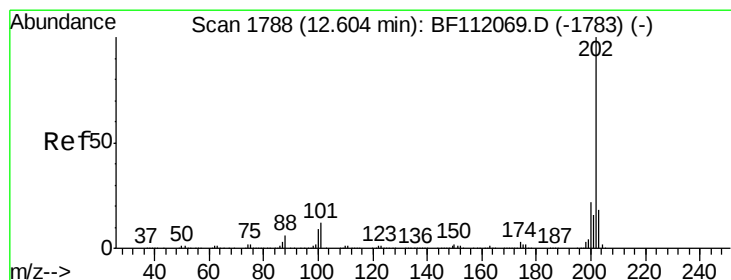
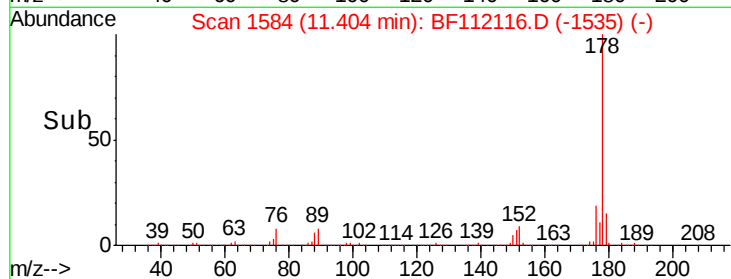
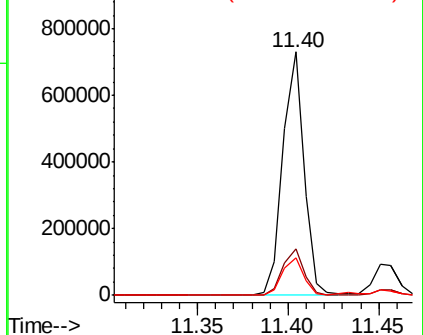
#71
Phenanthrene
Concen: 13.372 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

Instrument :
BNA_F
ClientSampleId :
WC-02-011519

Tot Ion:178 Resp: 597472
Ion Ratio Lower Upper
178 100
176 19.2 16.3 24.5
179 15.2 13.0 19.4

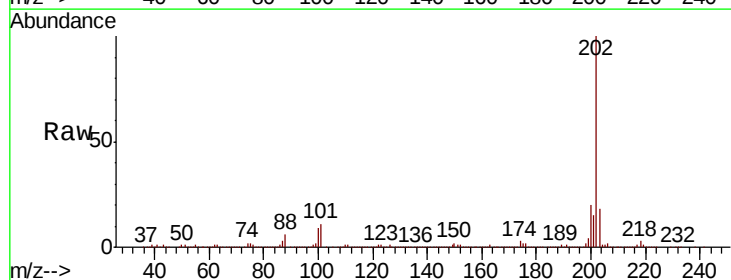


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

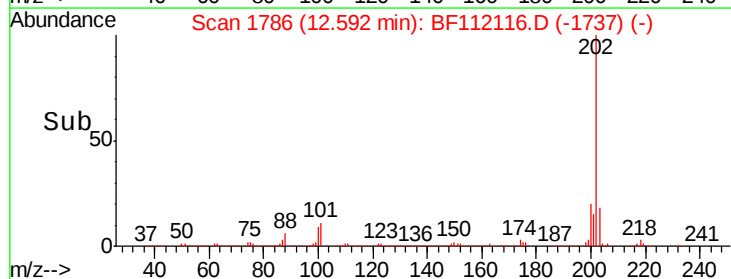
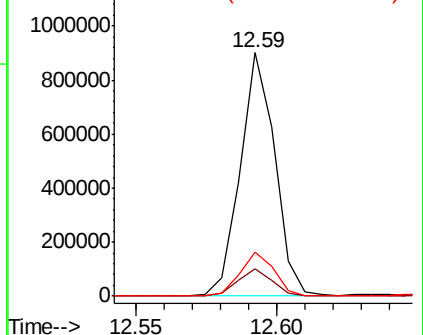


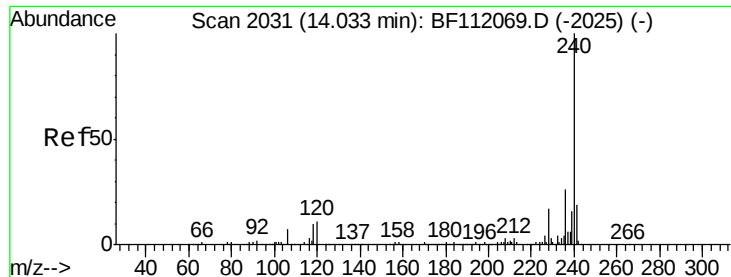
#75
Fluoranthene
Concen: 16.169 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

Tgt Ion:202 Resp: 762788
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.8
203 18.1 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

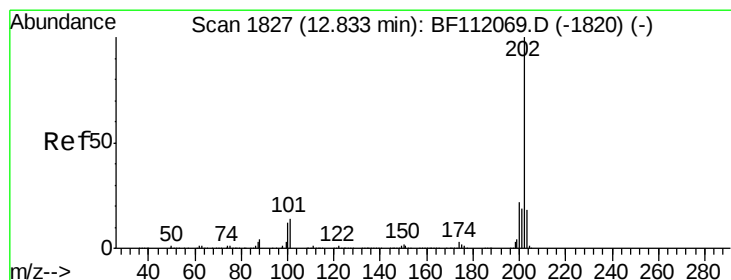
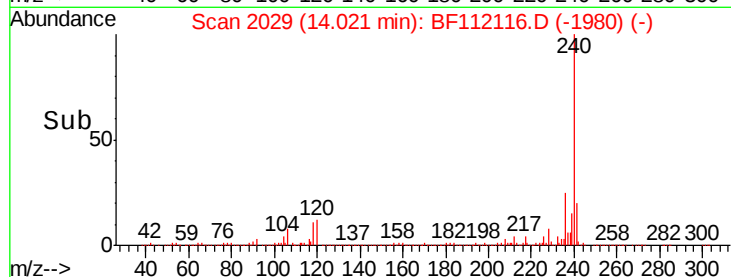
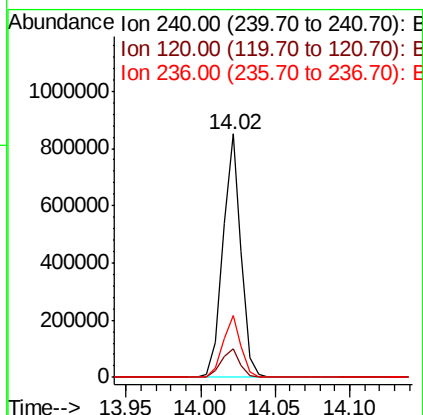
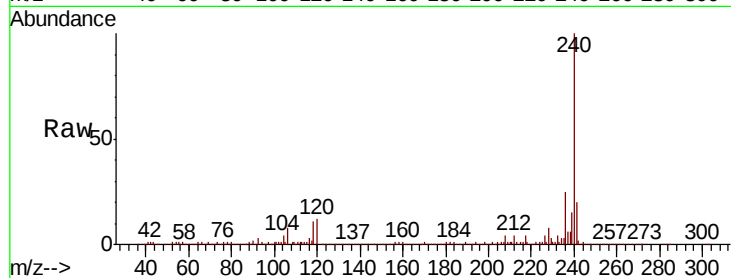




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF112116.D
 Acq: 18 Jan 2019 10:09

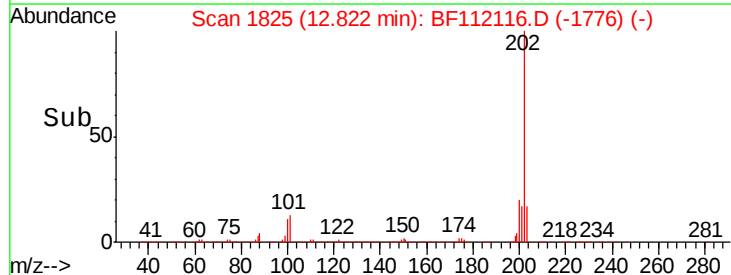
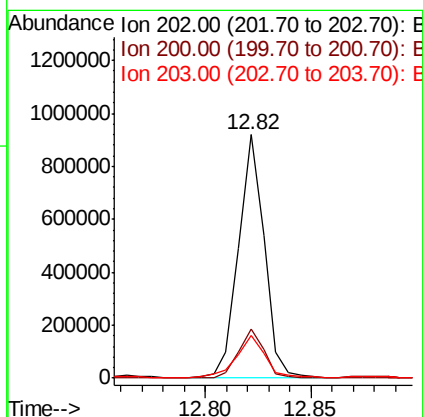
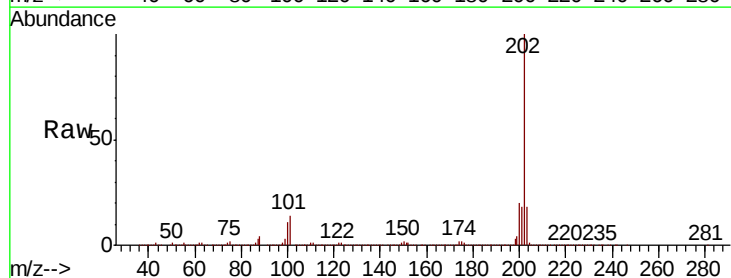
Instrument :
 BNA_F
 ClientSampleID :
 WC-02-011519

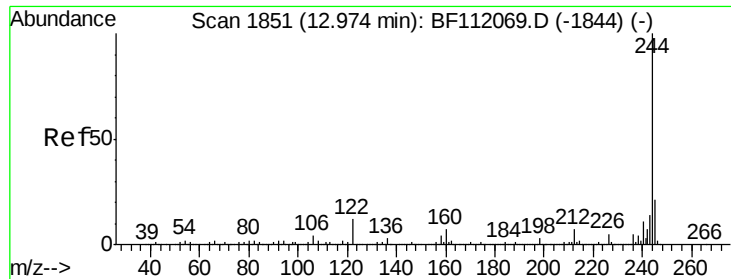
Tot Ion:240 Resp: 723121
 Ion Ratio Lower Upper
 240 100
 120 11.8 9.0 13.6
 236 25.3 20.7 31.1



#78
 Pyrene
 Concen: 16.157 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF112116.D
 Acq: 18 Jan 2019 10:09

Tgt Ion:202 Resp: 770830
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.7 26.5
 203 17.7 14.6 22.0



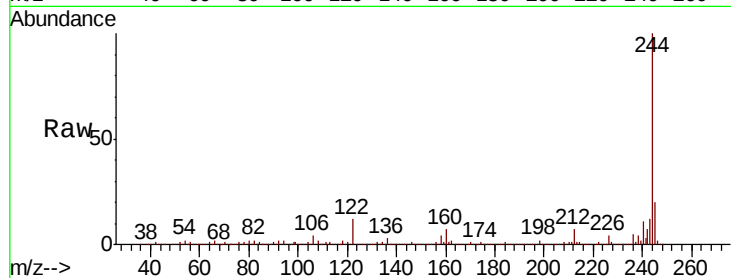


#79
 Terphenyl-d14
 Concen: 57.880 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF112116.D
 Acq: 18 Jan 2019 10:09

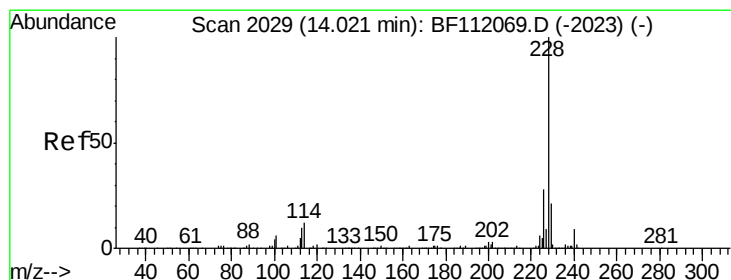
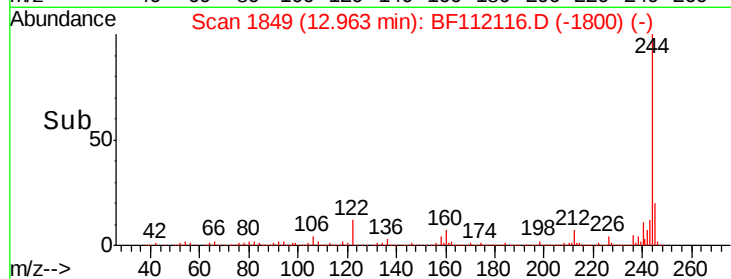
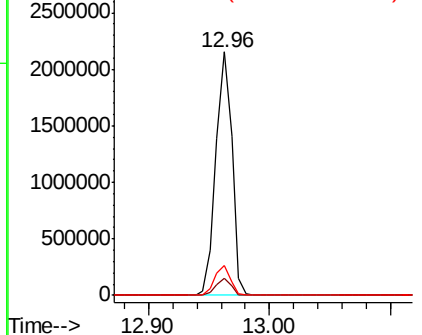
Instrument :
 BNA_F
 ClientSampleId :
 WC-02-011519

Tot Ion:244 Resp: 1967417

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	12.1	9.8	14.6



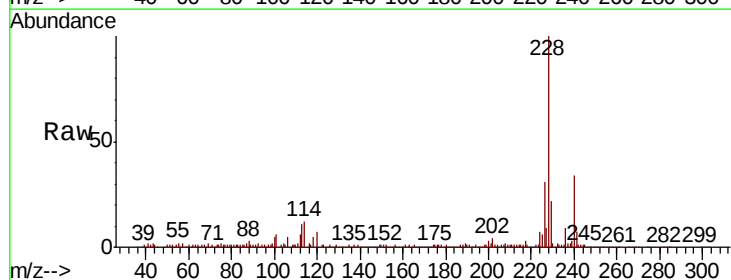
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



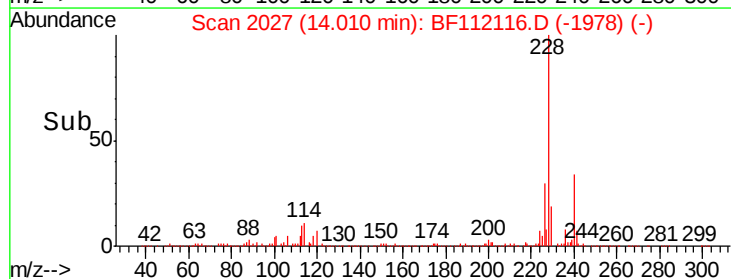
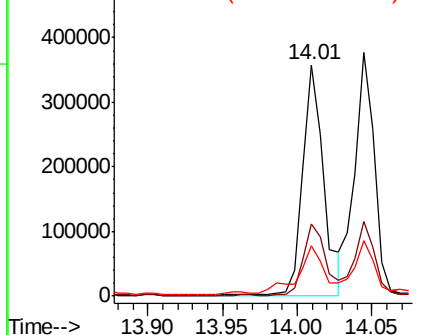
#81
 Benzo(a)anthracene
 Concen: 8.449 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF112116.D
 Acq: 18 Jan 2019 10:09

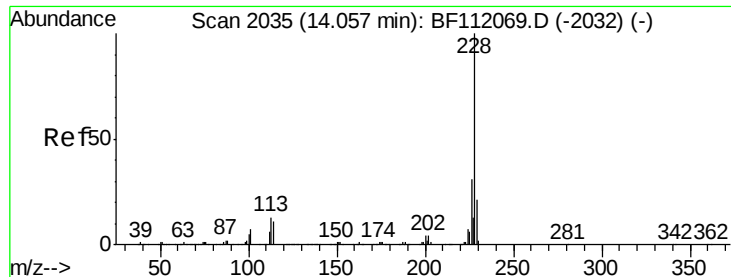
Tgt Ion:228 Resp: 350327

Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.6	34.0
229	21.9	16.5	24.7



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

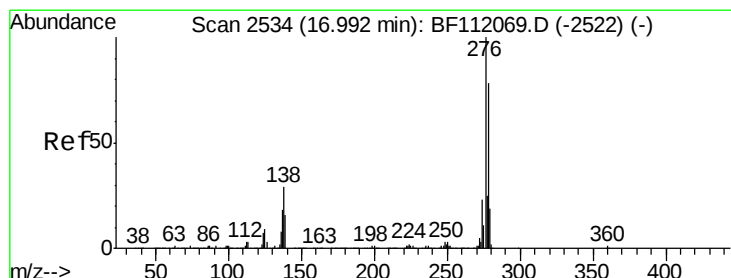
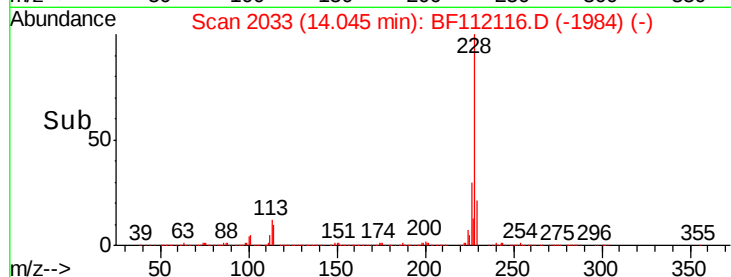
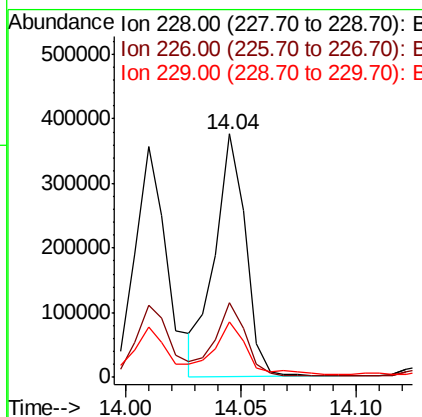
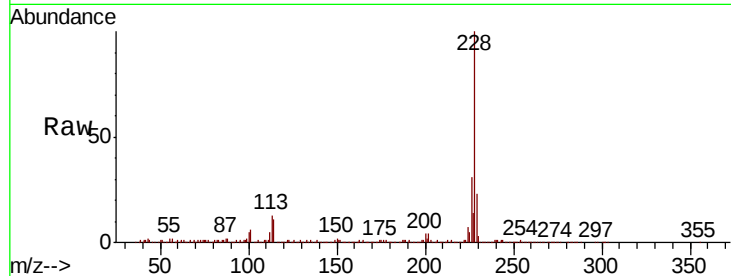




#83
Chrysene
Concen: 8.843 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

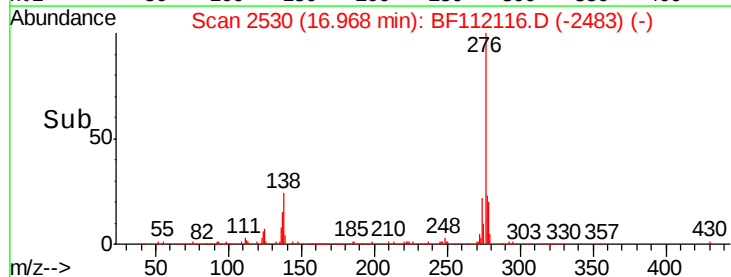
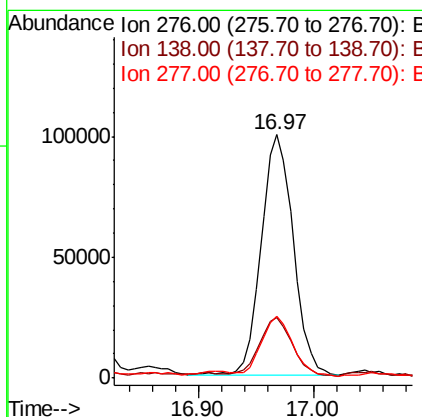
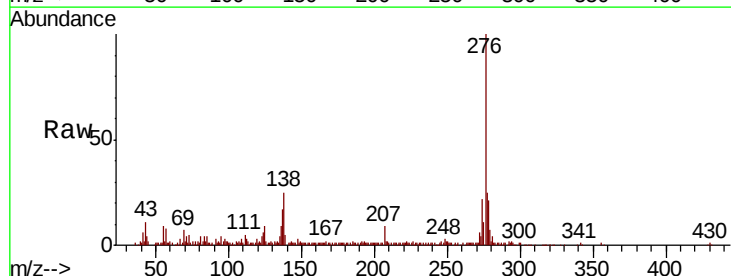
Instrument :
BNA_F
ClientSampleId :
WC-02-011519

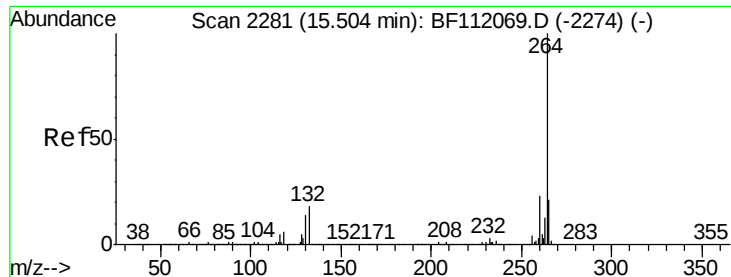
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.9	16.6	24.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.301 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.9	22.6	34.0
277	24.5	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF112116.D

Acq: 18 Jan 2019 10:09

Instrument :

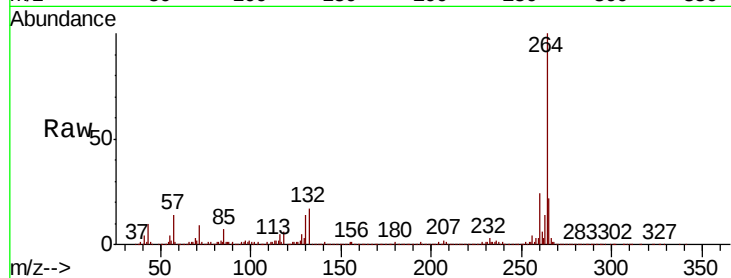
BNA_F

ClientSampleId :

WC-02-011519

Tot Ion:264 Resp: 789062

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	22.4	17.0	25.4

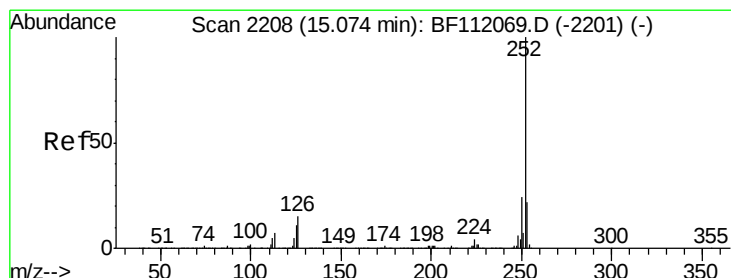
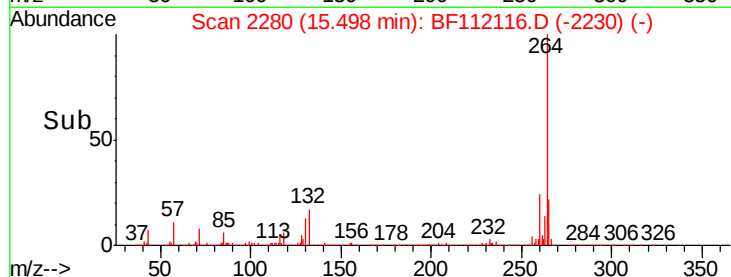
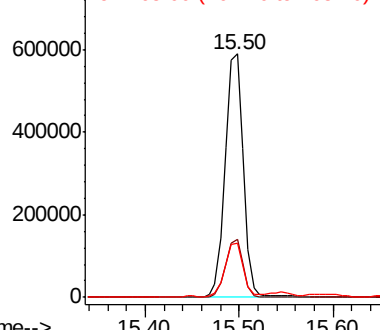


Abundance

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: 12.526 ng

RT: 15.06 min Scan# 2206

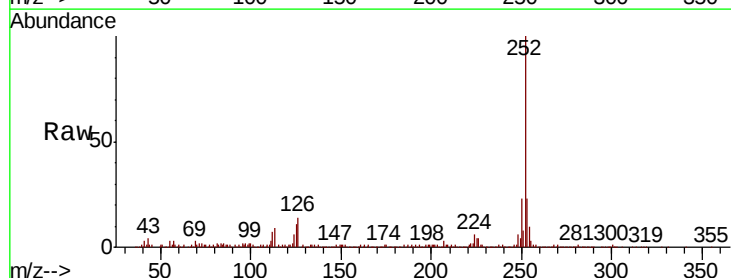
Delta R.T. -0.01 min

Lab File: BF112116.D

Acq: 18 Jan 2019 10:09

Tgt Ion:252 Resp: 561040

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.2	8.7	13.1

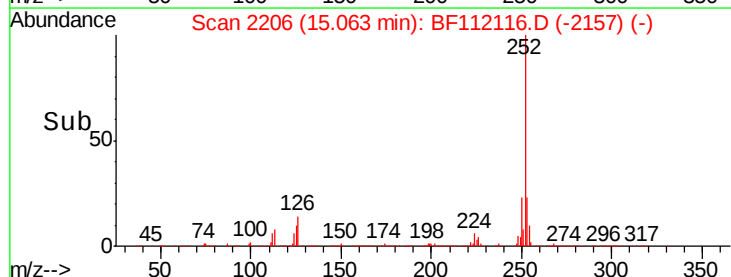
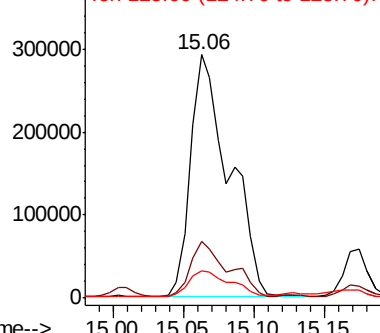


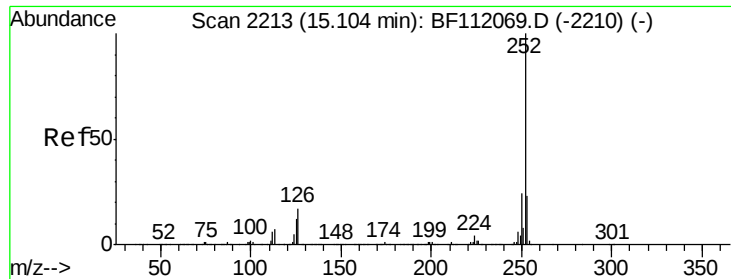
Abundance

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

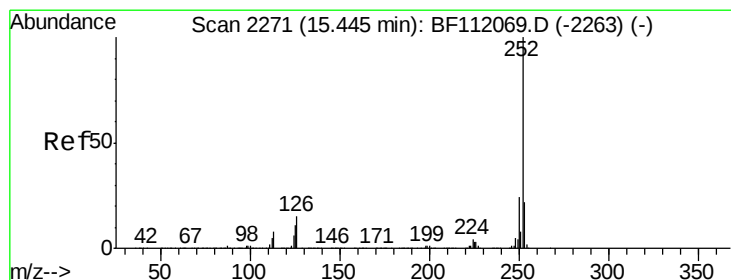
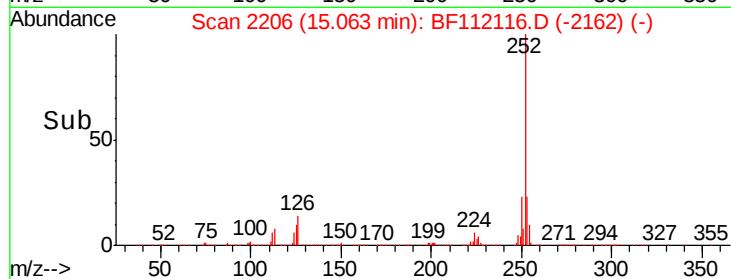
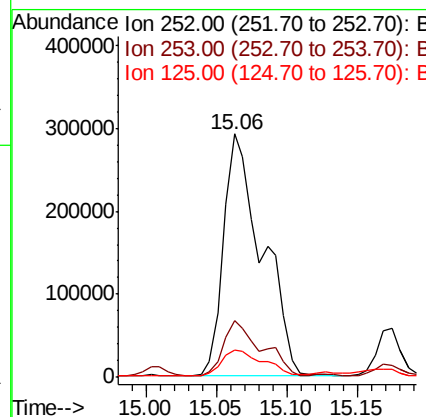
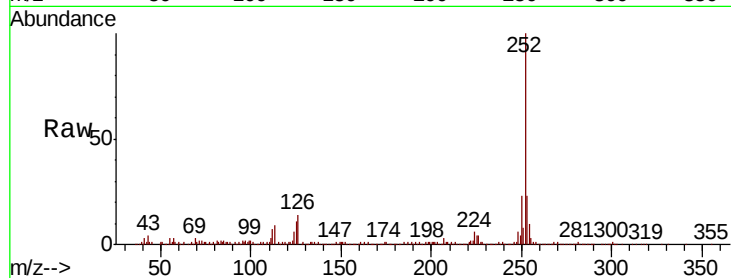




#89
Benzo(k)fluoranthene
Concen: 12.942 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

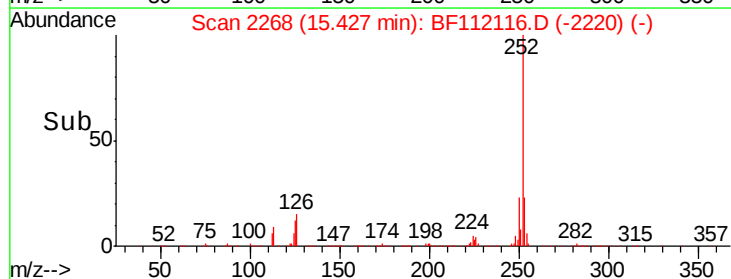
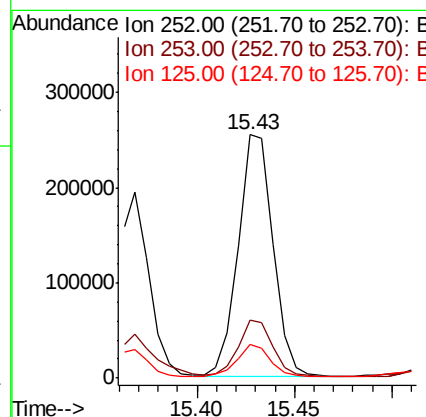
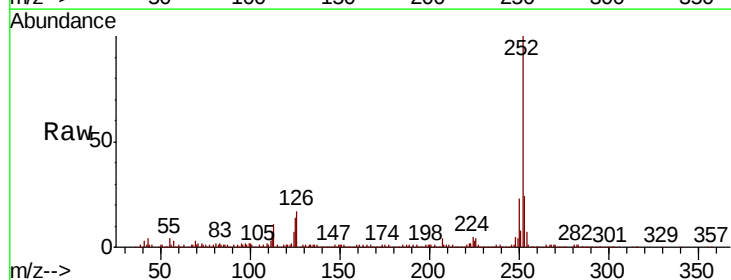
Instrument :
BNA_F
ClientSampleId :
WC-02-011519

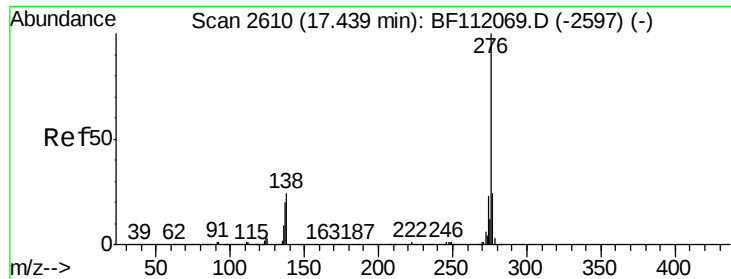
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.2	9.1	13.7



#90
Benzo(a)pyrene
Concen: 7.675 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF112116.D
Acq: 18 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	13.6	9.0	13.4





#92
 Benzo(a,h,i)perylene
 Concen: 5.206 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.02 min
 Lab File: BF112116.D
 Acq: 18 Jan 2019 10:09

Instrument :
 BNA_F
 ClientSampleId :
 WC-02-011519

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	24.9	19.1	28.7

