

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012419\
 Data File : BF112214.D
 Acq On : 24 Jan 2019 17:42
 Operator : JU/SJ
 Sample : K1223-02 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-N

Quant Time: Jan 25 00:03:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	255875	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	861130	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	440617	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	674564	20.00	ng	0.00
76) Chrysene-d12	14.03	240	477391	20.00	ng	0.00
87) Perylene-d12	15.50	264	345809	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	697335	49.47	ng	0.00
7) Phenol-d6	6.50	99	860704	48.80	ng	0.00
23) Nitrobenzene-d5	7.41	82	538609	43.21	ng	-0.02
42) 2,4,6-Tribromophenol	10.69	330	211910	44.58	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	980786	32.63	ng	0.00
79) Terphenyl-d14	12.96	244	685663	30.55	ng	0.00

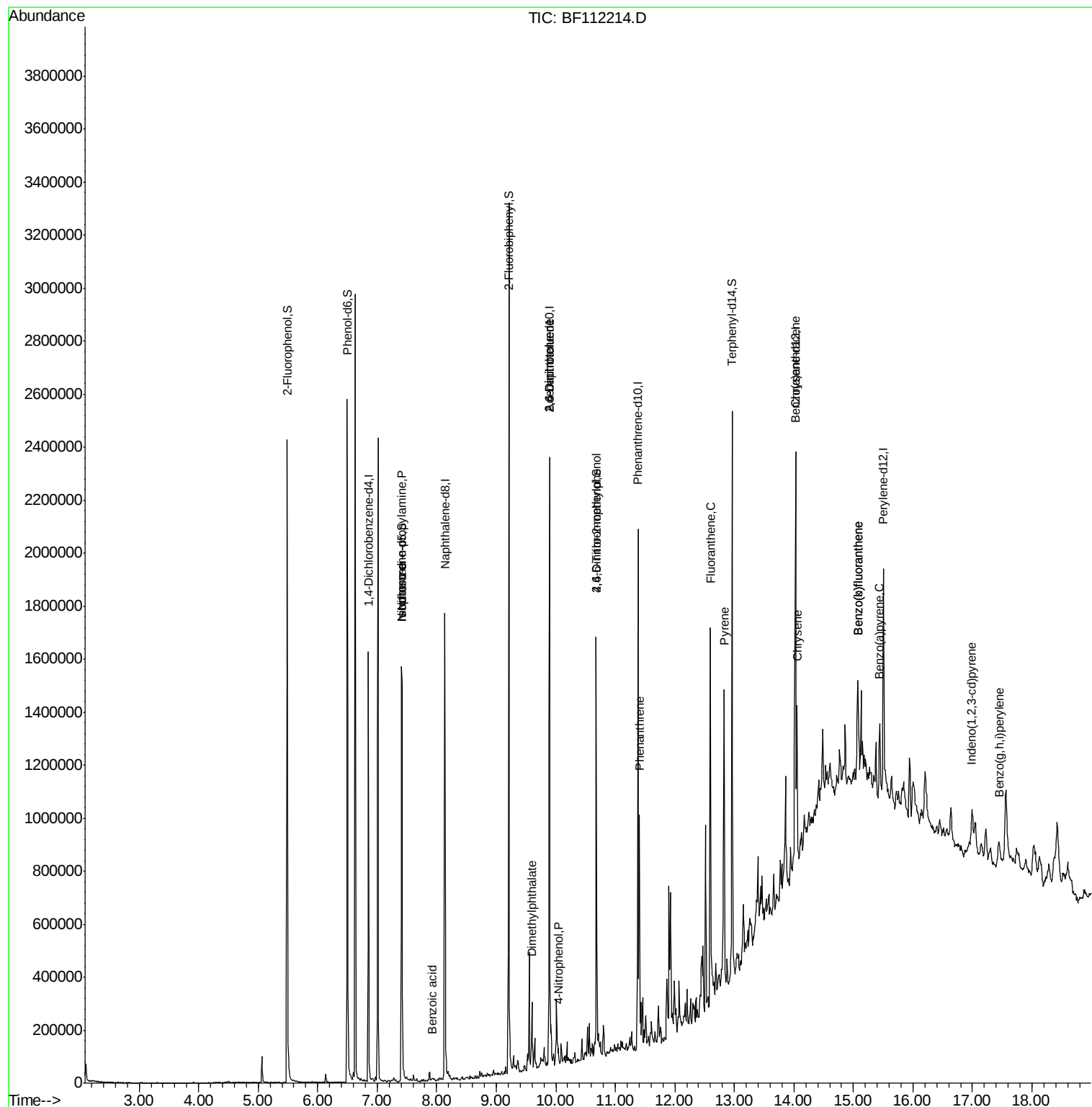
Target Compounds				Qvalue		
9) Benzaldehyde	6.40	77	723	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.41	70	72306	6.729 ng	#	76
25) Isophorone	7.41	82	525971	21.847 ng	#	64
32) Benzoic acid	7.92	122	757	7.331 ng	#	25
50) Dimethylphthalate	9.60	163	79736	2.481 ng	#	99
51) 2,6-Dinitrotoluene	9.89	165	57859	9.016 ng	#	34
56) 4-Nitrophenol	10.05	139	916	5.821 ng	#	1
57) 2,4-Dinitrotoluene	9.89	165	57859	10.935 ng	#	32
65) 4,6-Dinitro-2-methylphenol	10.68	198	576	10.231 ng	#	1
71) Phenanthrene	11.40	178	286724	8.446 ng		97
75) Fluoranthene	12.60	202	562221	15.686 ng		97
78) Pyrene	12.83	202	478811	15.202 ng		96
81) Benzo(a)anthracene	14.02	228	219332	8.013 ng		99
83) Chrysene	14.05	228	213390	8.239 ng		96
86) Indeno(1,2,3-cd)pyrene	16.99	276	66897	2.800 ng		97
88) Benzo(b)fluoranthene	15.07	252	272155	13.865 ng	#	90
89) Benzo(k)fluoranthene	15.07	252	272155	14.325 ng	#	90
90) Benzo(a)pyrene	15.44	252	123003	6.833 ng	#	90
92) Benzo(g,h,i)perylene	17.44	276	64888	4.119 ng	#	91

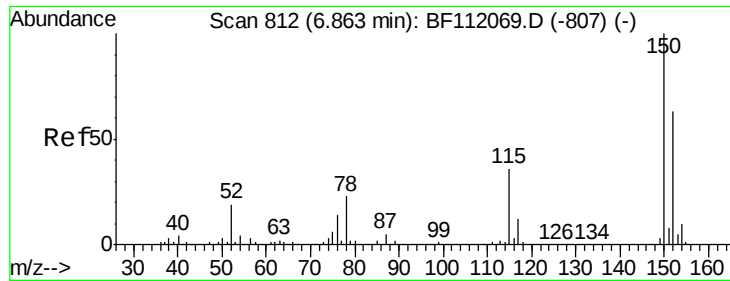
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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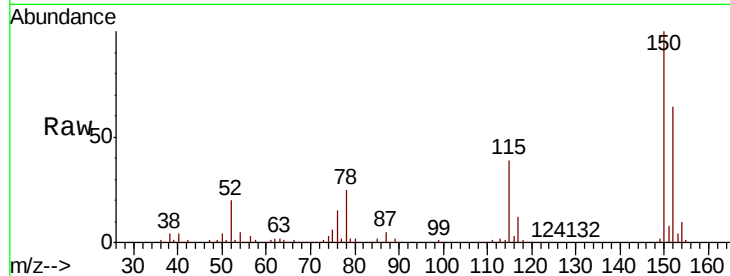


#1

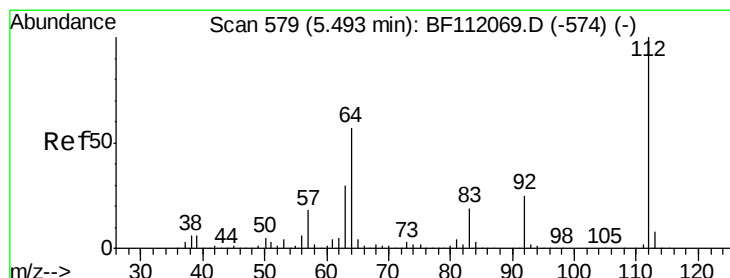
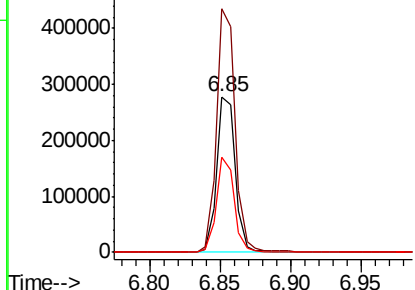
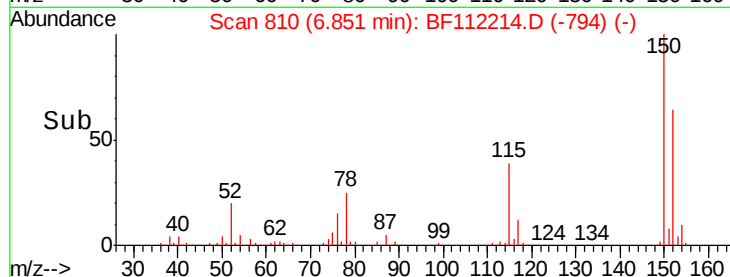
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112214.D
Acq: 24 Jan 2019 17:42

Instrument :
BNA_F
ClientSampled :
TS-N

Tgt Ion:152 Resp: 255875
Ion Ratio Lower Upper
152 100
150 156.5 127.4 191.0
115 60.8 45.5 68.3



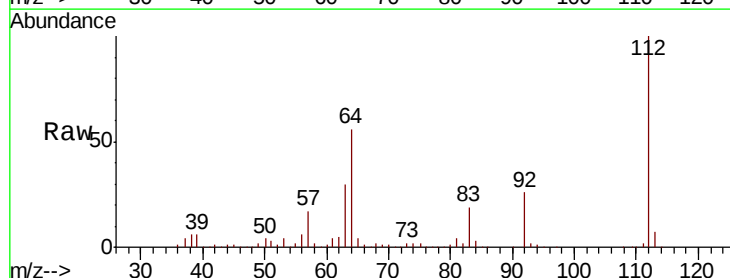
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



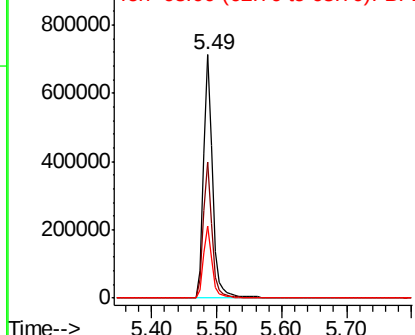
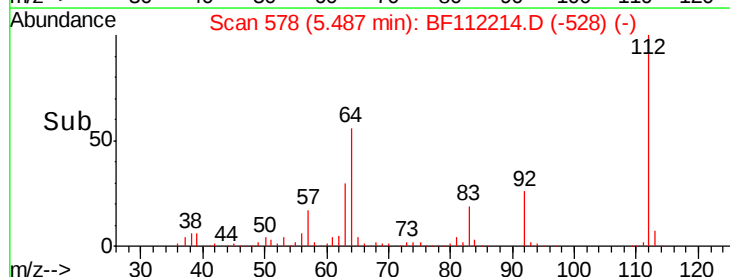
#5

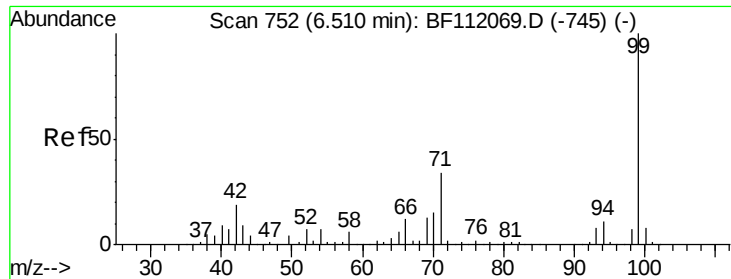
2-Fluorophenol
Concen: 49.465 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112214.D
Acq: 24 Jan 2019 17:42

Tgt Ion:112 Resp: 697335
Ion Ratio Lower Upper
112 100
64 55.7 45.7 68.5
63 29.5 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: 48.798 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112214.D

Acq: 24 Jan 2019 17:42

Instrument :

BNA_F

ClientSampleId :

TS-N

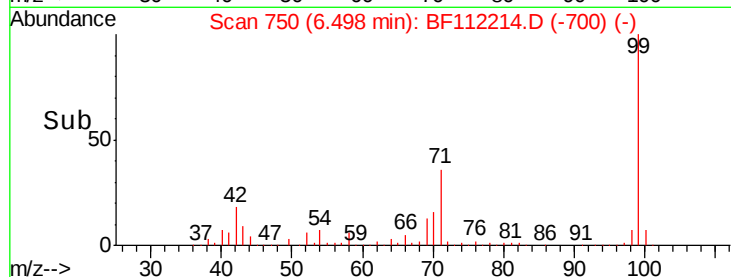
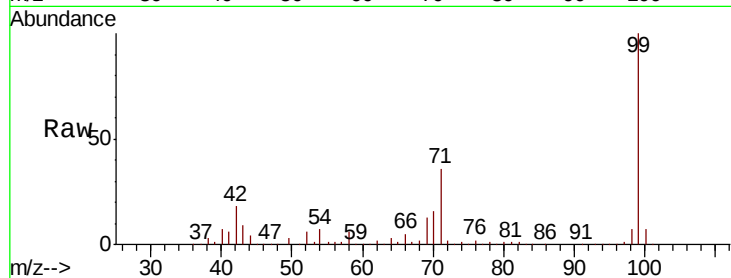
Tgt Ion: 99 Resp: 860704

Ion Ratio Lower Upper

99 100

42 17.9 15.1 22.7

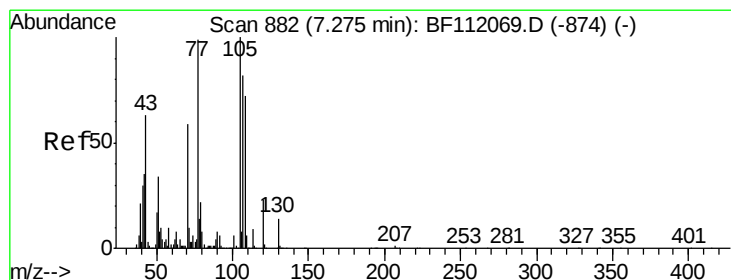
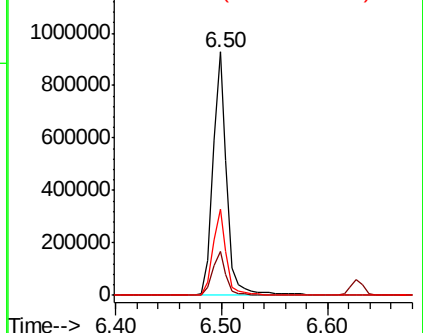
71 35.5 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.729 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF112214.D

Acq: 24 Jan 2019 17:42

Tgt Ion: 70 Resp: 72306

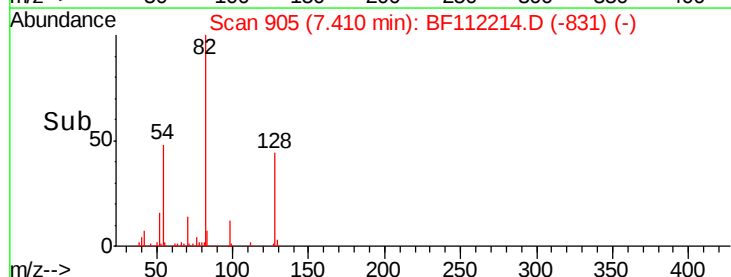
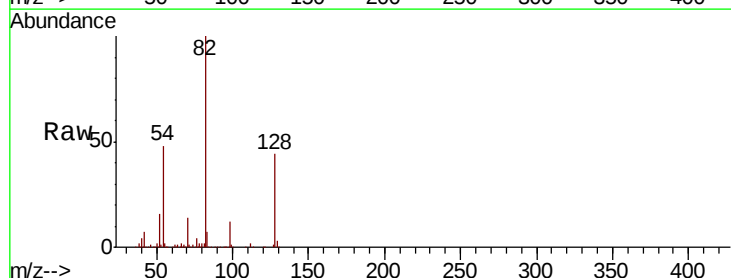
Ion Ratio Lower Upper

70 100

42 47.6 47.6 71.4

101 0.0 7.9 11.9#

130 2.2 18.4 27.6#

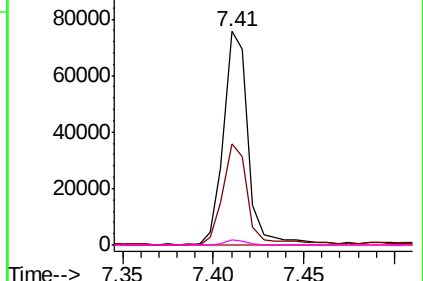


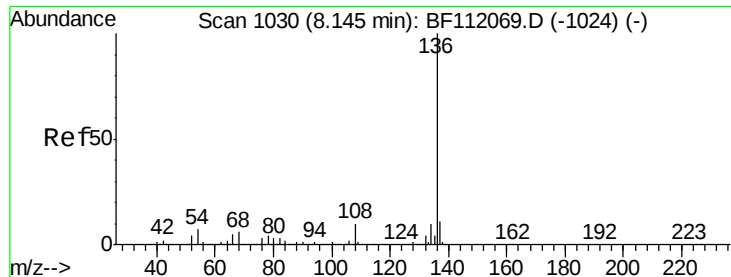
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

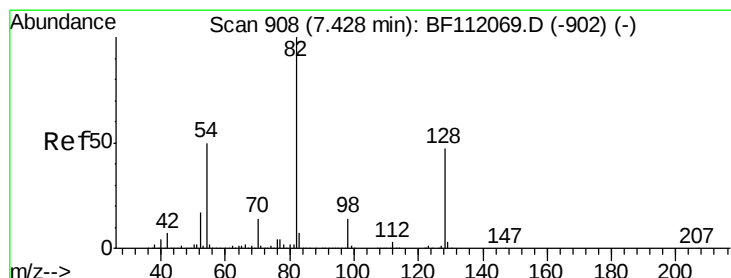
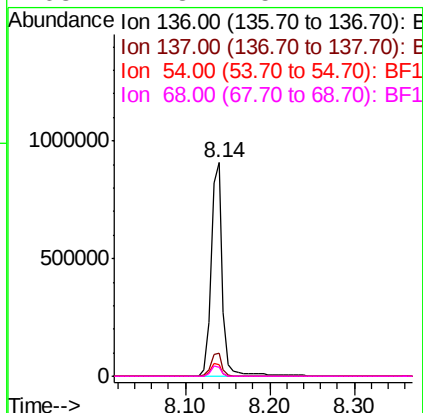
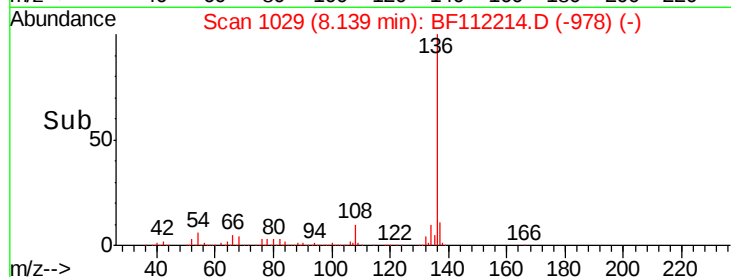
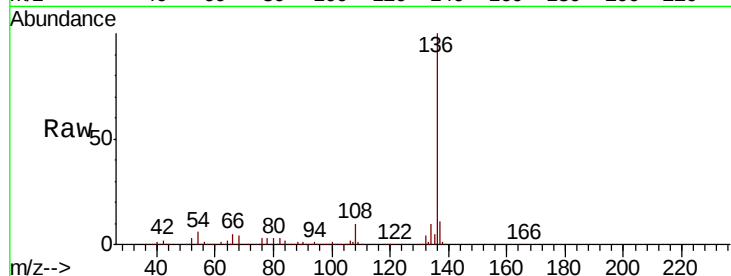




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF112214.D
Acq: 24 Jan 2019 17:42

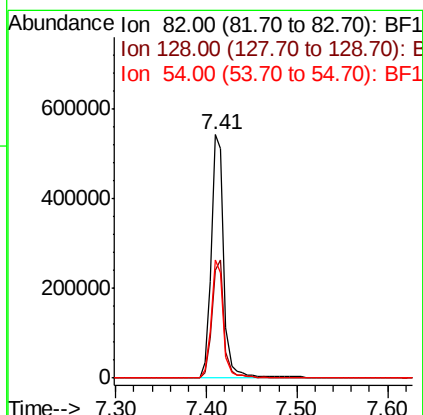
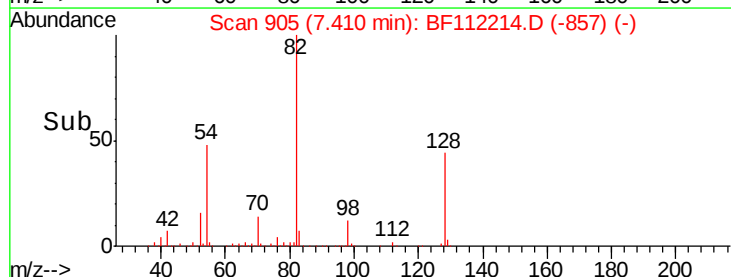
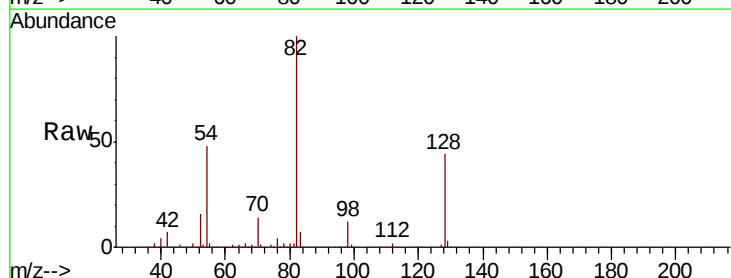
Instrument :
BNA_F
ClientSampleId :
TS-N

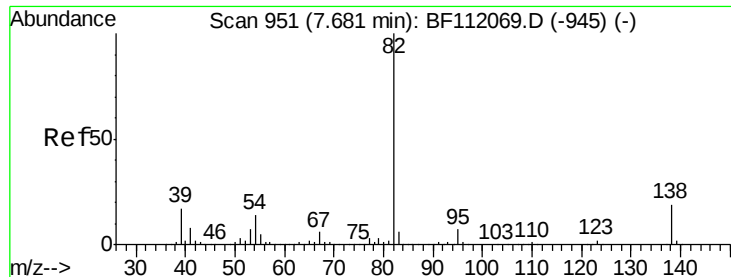
Tgt Ion:	136	Resp:	861130
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	5.7	5.9	8.9#
68	4.3	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 43.213 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112214.D
Acq: 24 Jan 2019 17:42

Tgt Ion:	82	Resp:	538609
Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.8	56.8
54	48.3	39.7	59.5





#25

Isophorone

Concen: 21.847 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF112214.D

Acq: 24 Jan 2019 17:42

Instrument :

BNA_F

ClientSampleId :

TS-N

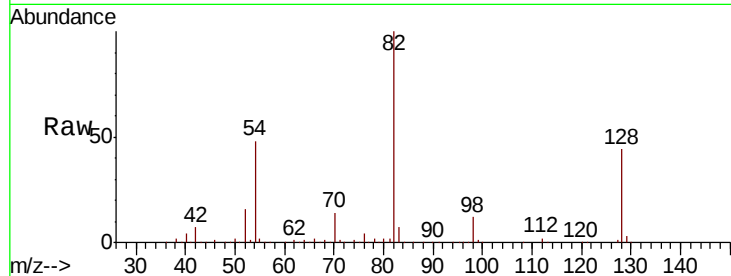
Tgt Ion: 82 Resp: 525971

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

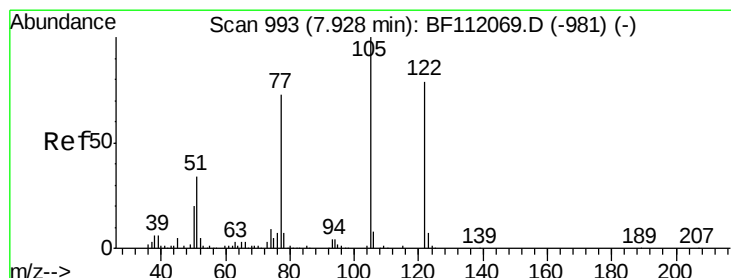
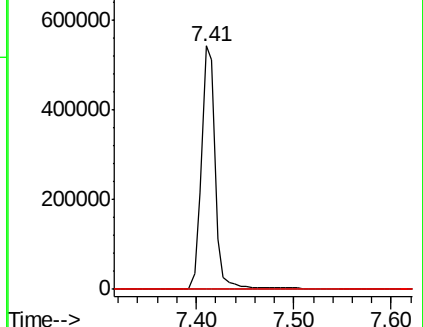
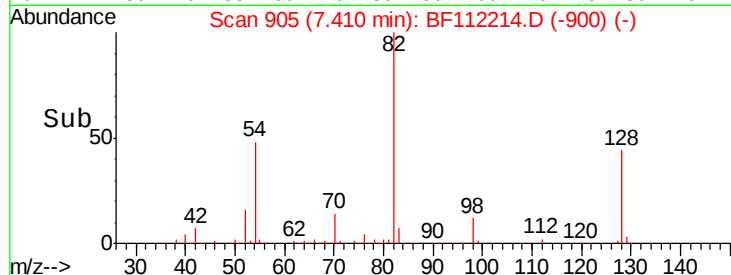
138 0.0 15.4 23.0#



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: 7.331 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.02 min

Lab File: BF112214.D

Acq: 24 Jan 2019 17:42

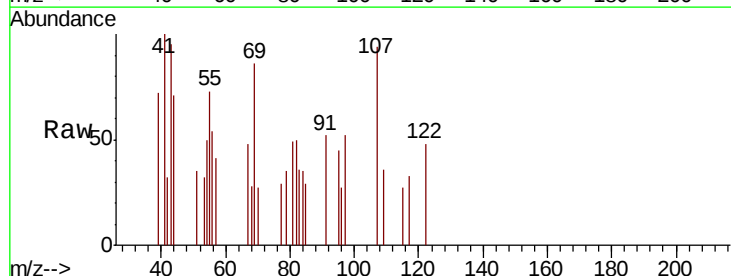
Tgt Ion: 122 Resp: 757

Ion Ratio Lower Upper

122 100

105 0.0 101.2 141.2#

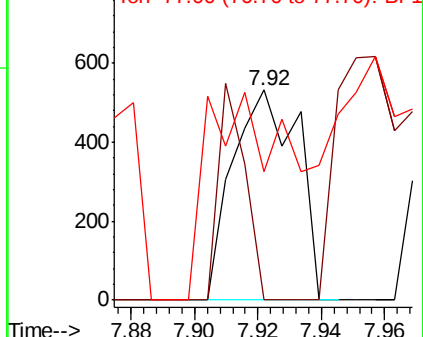
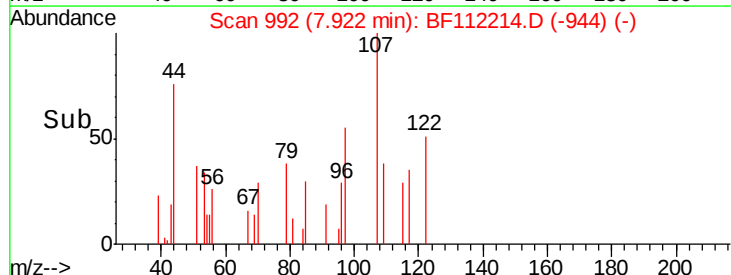
77 61.3 70.4 110.4#

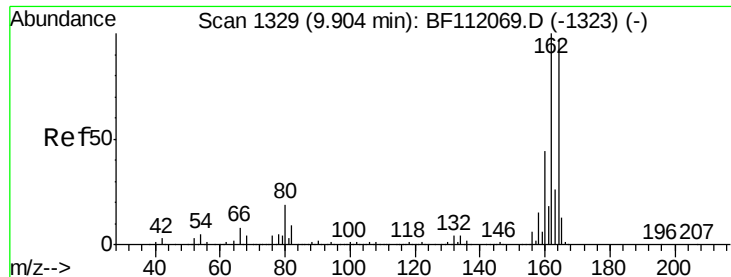


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

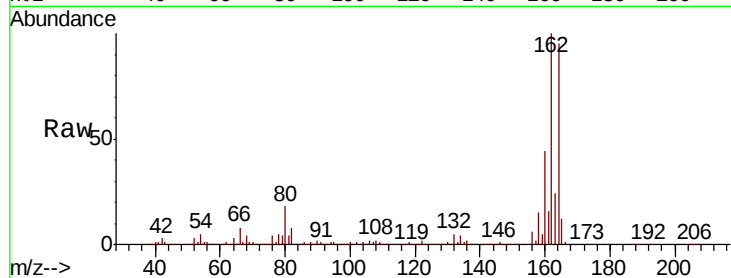




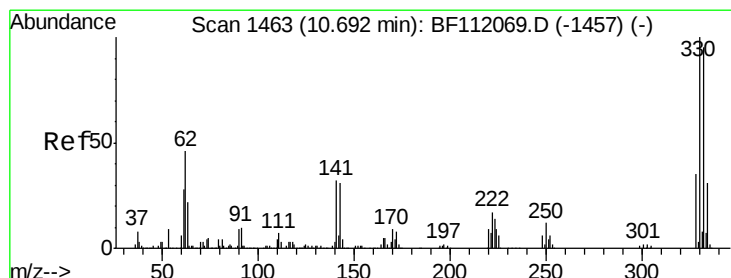
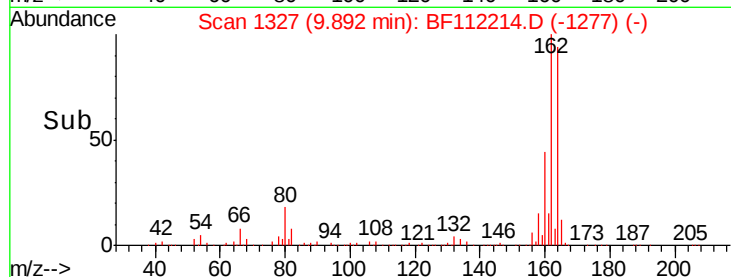
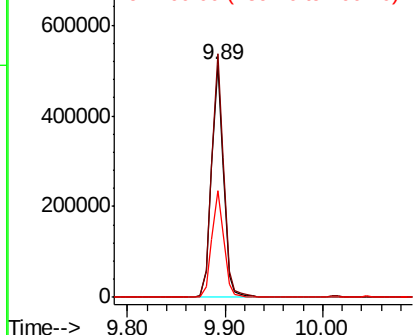
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF112214.D
 Acq: 24 Jan 2019 17:42

Instrument :
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 TS-N

Tgt Ion:164 Resp: 440617
 Ion Ratio Lower Upper
 164 100
 162 104.9 82.2 123.4
 160 46.0 36.2 54.4

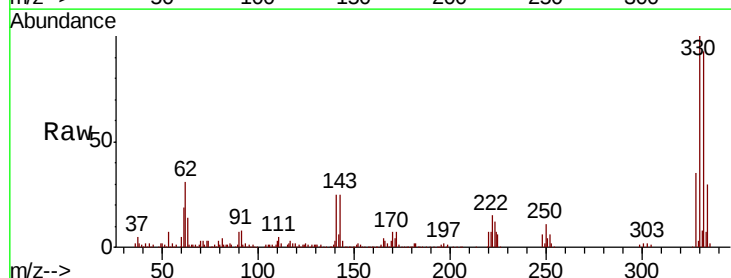


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

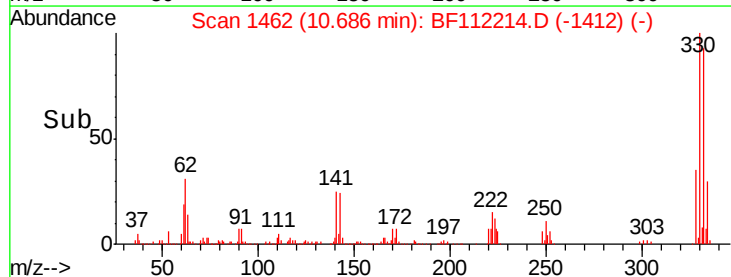
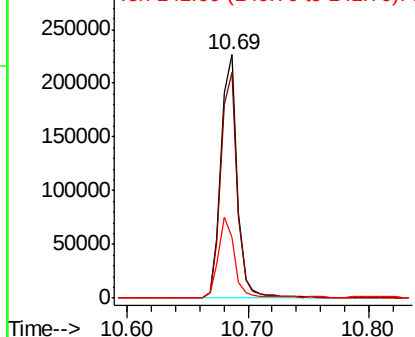


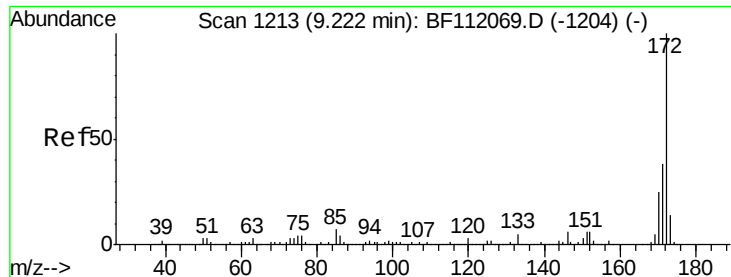
#42
 2,4,6-Tribromophenol
 Concen: 44.582 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112214.D
 Acq: 24 Jan 2019 17:42

Tgt Ion:330 Resp: 211910
 Ion Ratio Lower Upper
 330 100
 332 94.2 76.6 114.8
 141 31.7 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

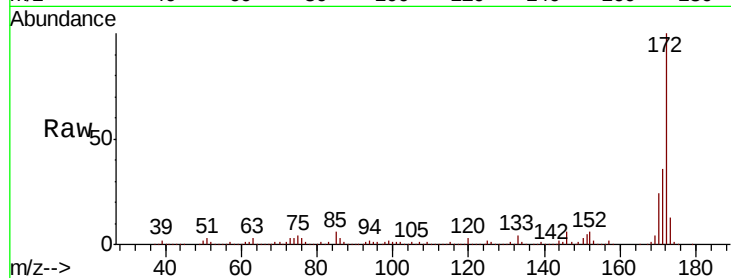




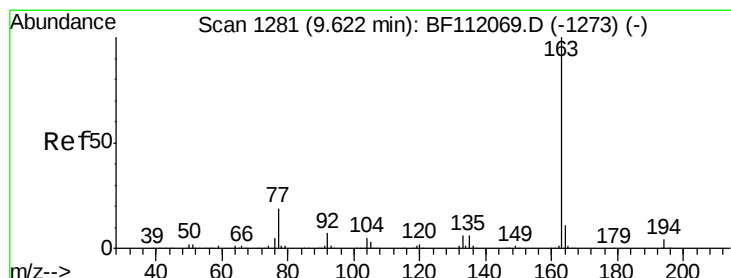
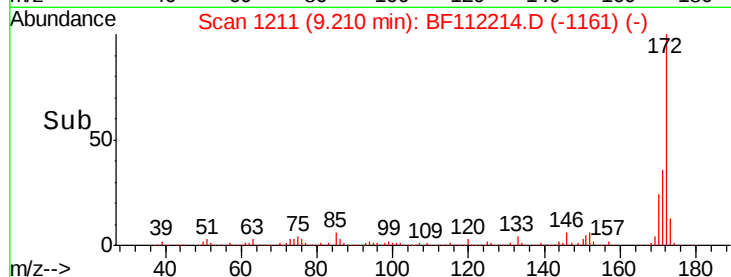
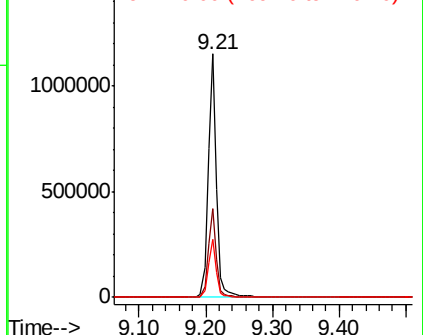
#45
 2-Fluorobiphenyl
 Concen: 32.635 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112214.D
 Acq: 24 Jan 2019 17:42

Instrument :
 BNA_F
 ClientSampleId :
 TS-N

Tgt Ion:172 Resp: 980786
 Ion Ratio Lower Upper
 172 100
 171 36.4 30.5 45.7
 170 24.0 20.2 30.4

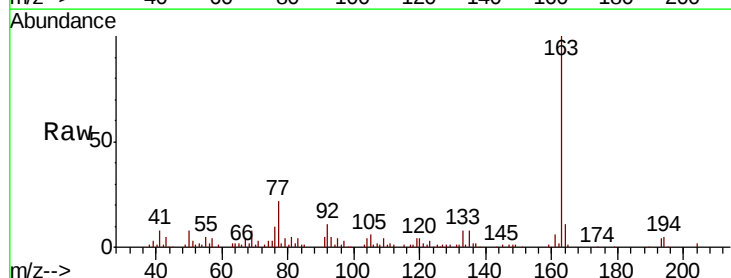


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

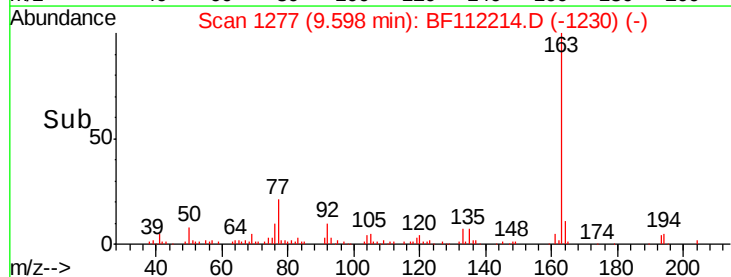
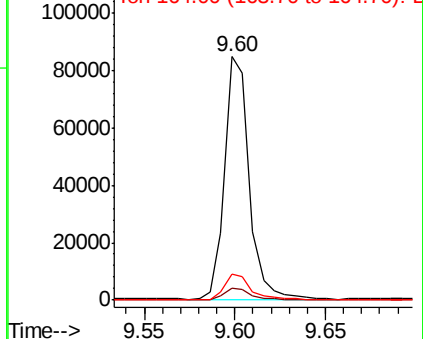


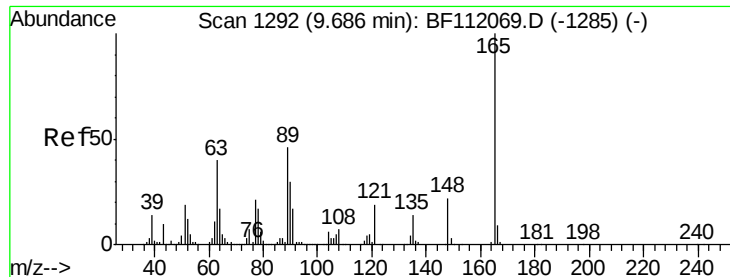
#50
 Dimethylphthalate
 Concen: 2.481 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.02 min
 Lab File: BF112214.D
 Acq: 24 Jan 2019 17:42

Tgt Ion:163 Resp: 79736
 Ion Ratio Lower Upper
 163 100
 194 5.0 3.3 4.9#
 164 10.6 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

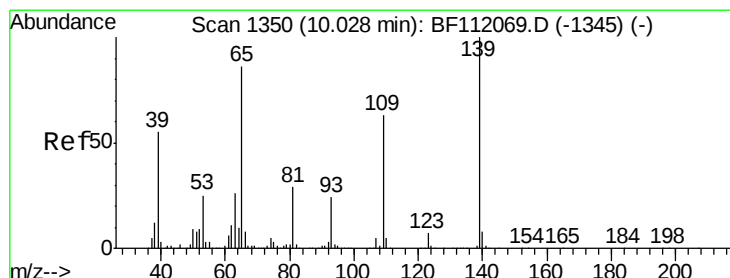
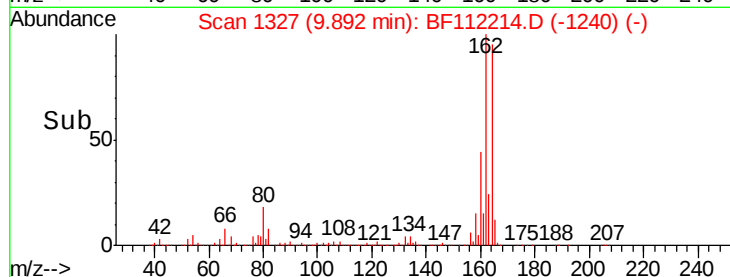
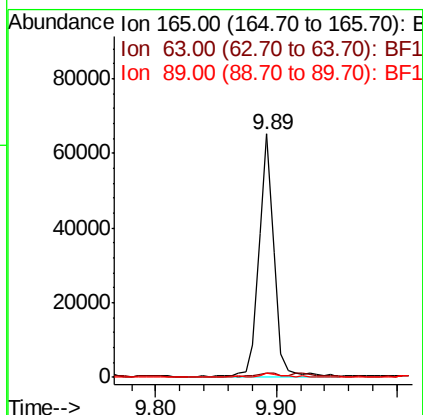
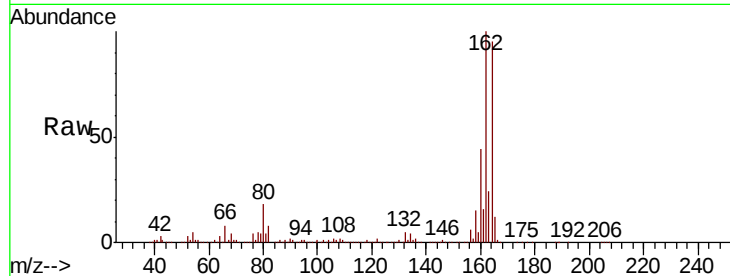




#51
 2,6-Dinitrotoluene
 Concen: 9.016 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF112214.D
 Acq: 24 Jan 2019 17:42

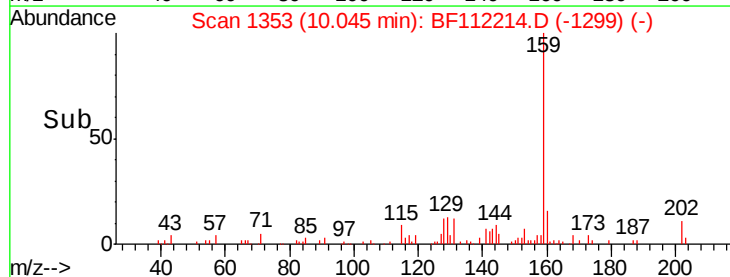
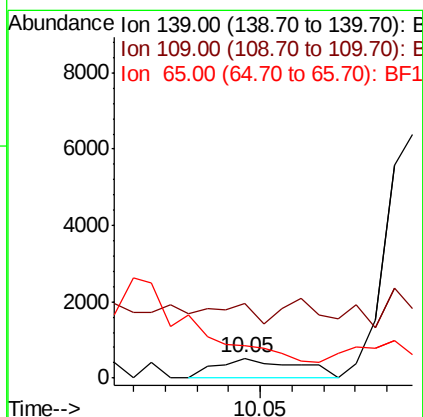
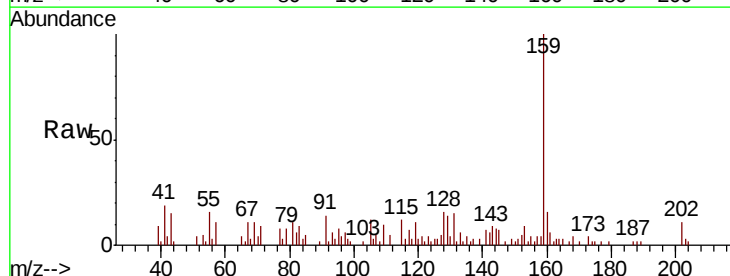
Instrument :
 BNA_F
 ClientSampleId :
 TS-N

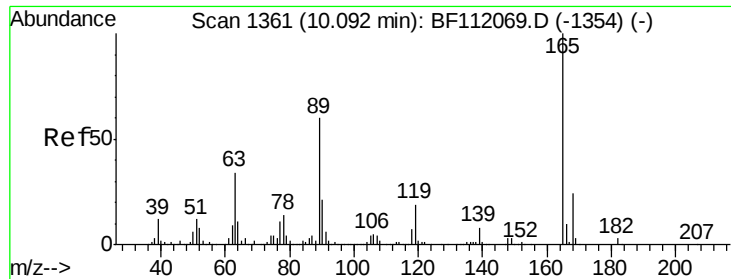
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	33.8	50.8#
89	1.6	36.9	55.3#



#56
 4-Nitrophenol
 Concen: 5.821 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. 0.02 min
 Lab File: BF112214.D
 Acq: 24 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
139	100		
109	372.5	42.8	82.8#
65	159.7	66.1	106.1#

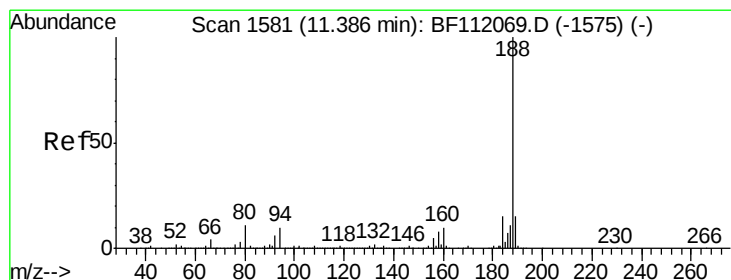
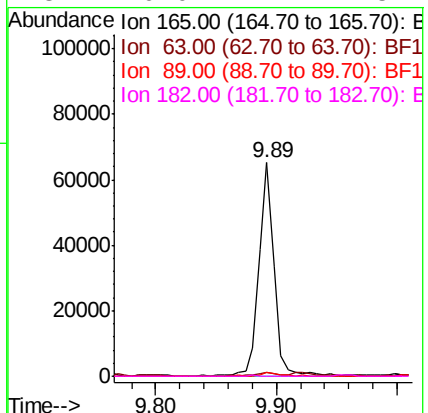
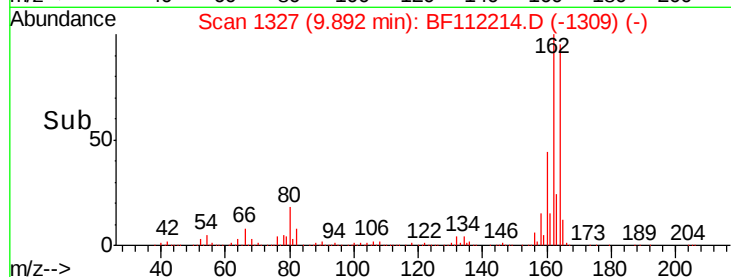
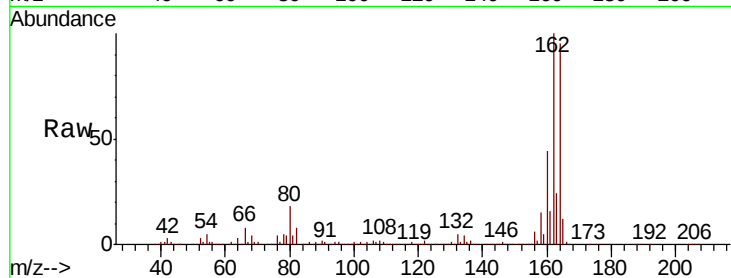




#57
2,4-Dinitrotoluene
Concen: 10.935 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF112214.D
Acq: 24 Jan 2019 17:42

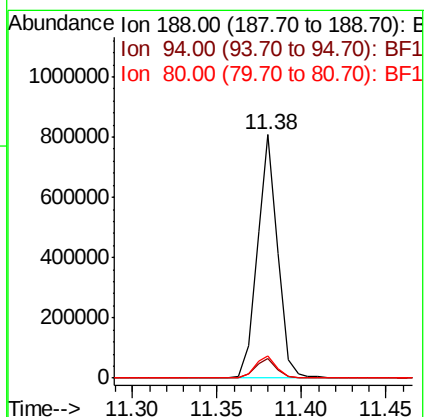
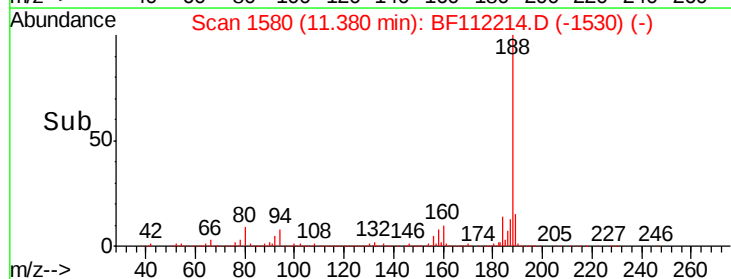
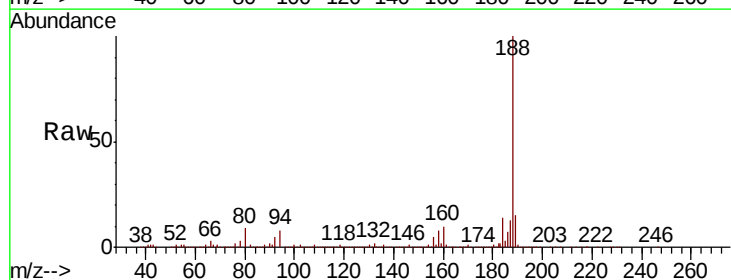
Instrument :
BNA_F
ClientSampleId :
TS-N

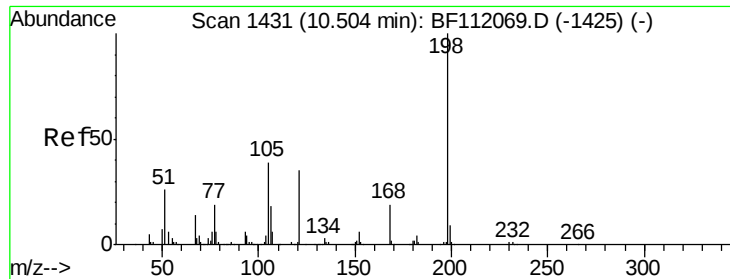
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	27.9	41.9#
89	1.6	47.9	71.9#
182	0.0	2.2	3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF112214.D
Acq: 24 Jan 2019 17:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.2	12.2#
80	9.3	8.9	13.3

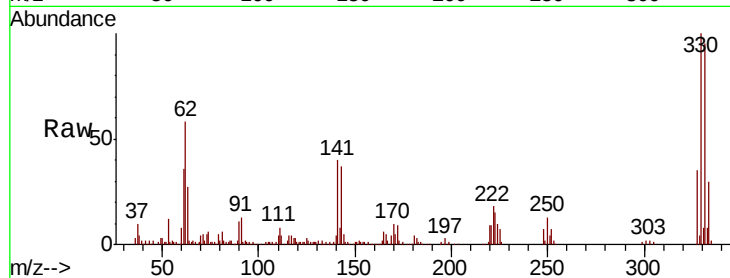




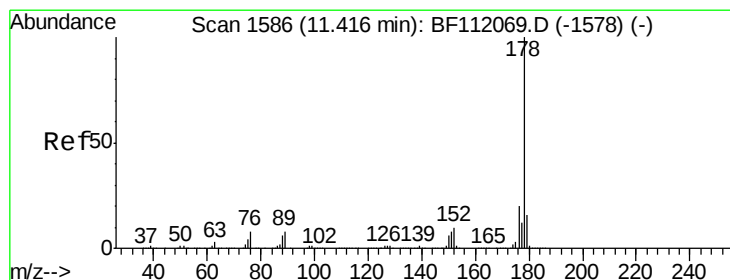
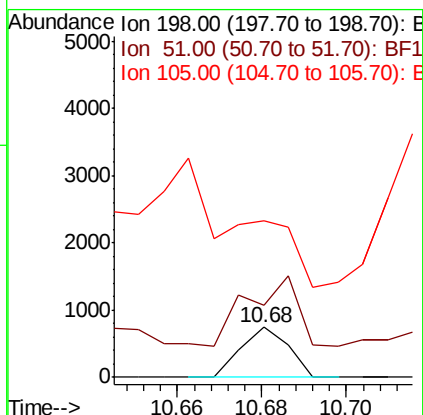
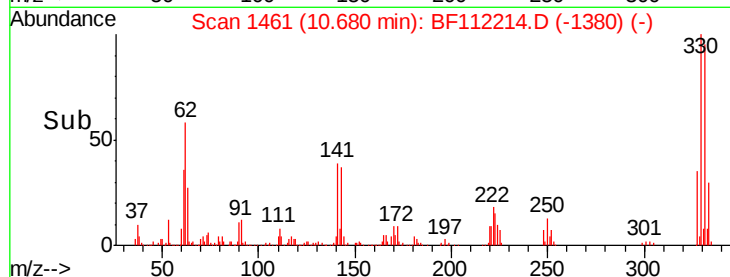
#65
 4,6-Dinitro-2-methylphenol
 Concen: 10.231 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.18 min
 Lab File: BF112214.D
 Acq: 24 Jan 2019 17:42

Instrument :
 BNA_F
 ClientSampleId :
 TS-N

Tgt Ion:198 Resp: 576
 Ion Ratio Lower Upper
 198 100
 51 144.2 17.2 57.2#
 105 311.6 21.9 61.9#

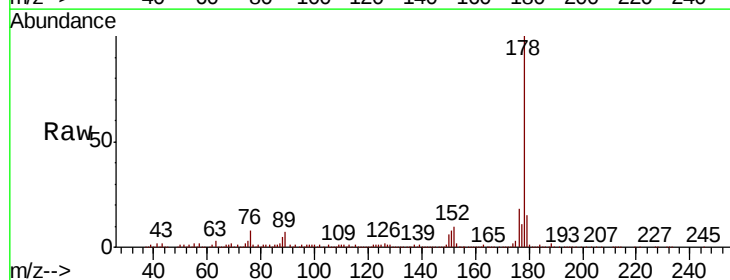


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

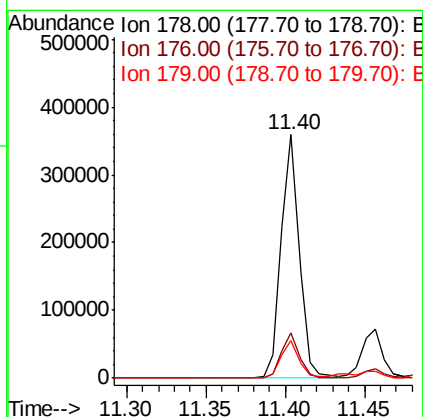
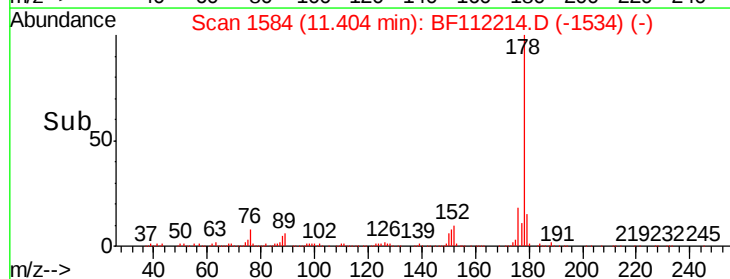


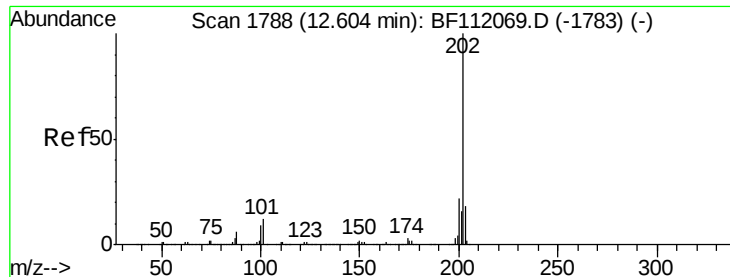
#71
 Phenanthrene
 Concen: 8.446 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF112214.D
 Acq: 24 Jan 2019 17:42

Tgt Ion:178 Resp: 286724
 Ion Ratio Lower Upper
 178 100
 176 18.4 16.3 24.5
 179 15.4 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: 15.686 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF112214.D

Acq: 24 Jan 2019 17:42

Instrument :

BNA_F

ClientSampleId :

TS-N

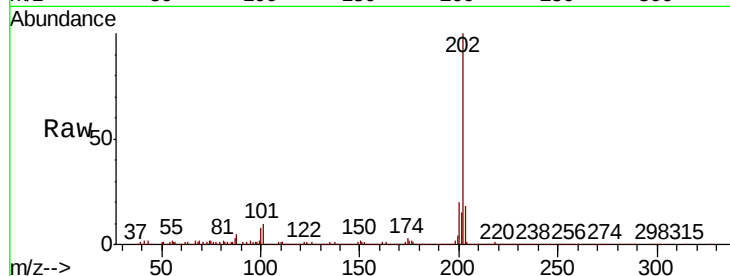
Tgt Ion:202 Resp: 562221

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.8

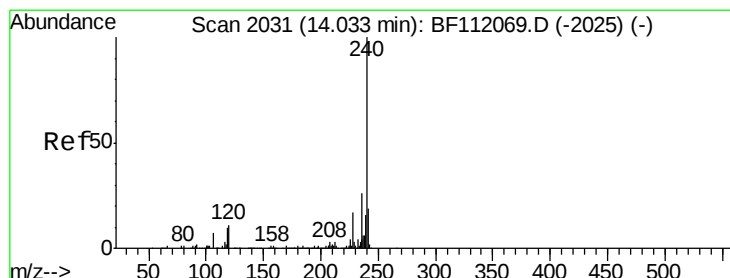
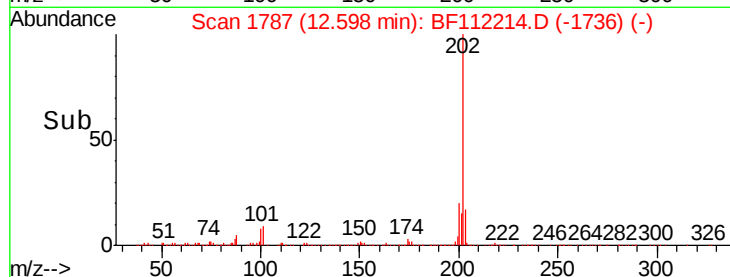
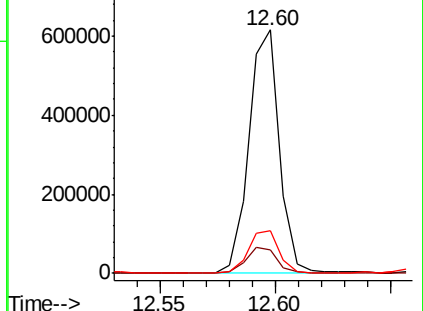
203 17.6 0.0 38.4



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: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF112214.D

Acq: 24 Jan 2019 17:42

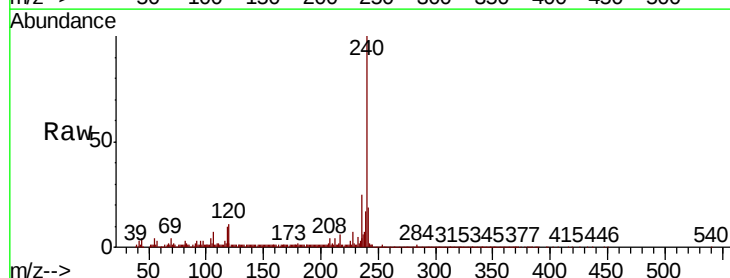
Tgt Ion:240 Resp: 477391

Ion Ratio Lower Upper

240 100

120 10.7 9.0 13.6

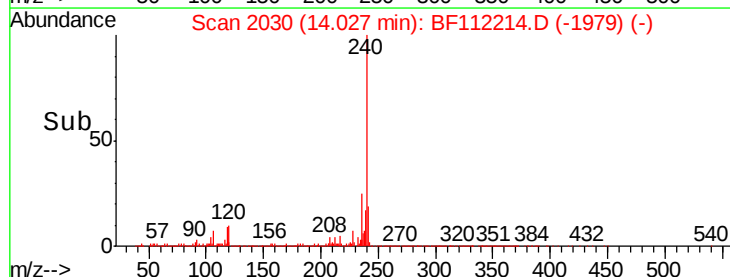
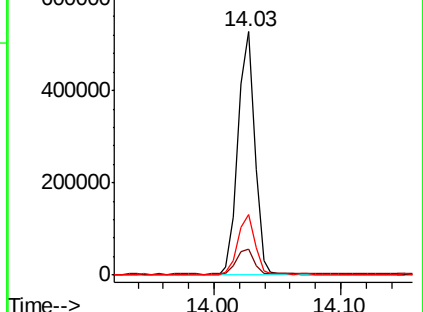
236 25.0 20.7 31.1

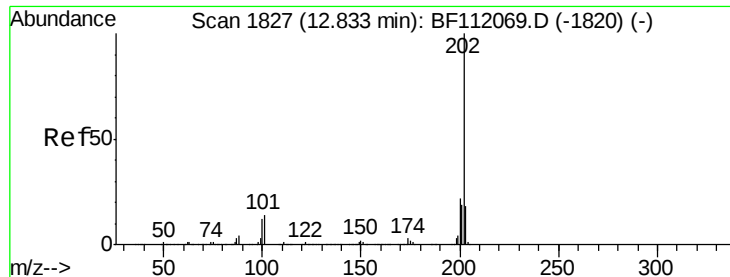


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 15.202 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF112214.D

Acq: 24 Jan 2019 17:42

Instrument :

BNA_F

ClientSampleId :

TS-N

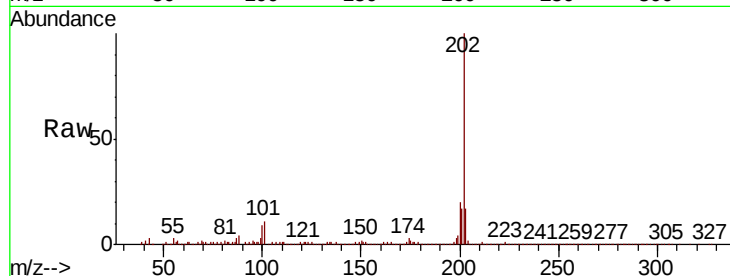
Tgt Ion:202 Resp: 478811

Ion Ratio Lower Upper

202 100

200 20.0 17.7 26.5

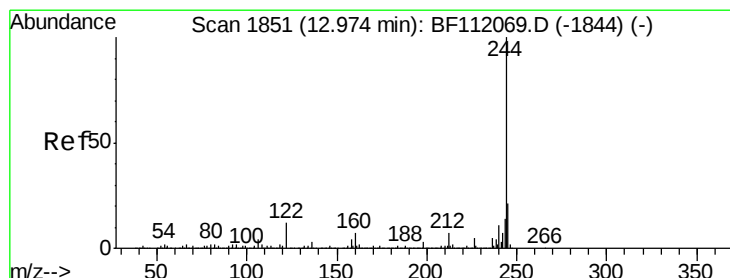
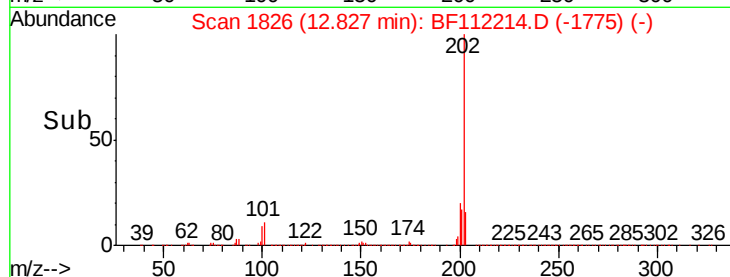
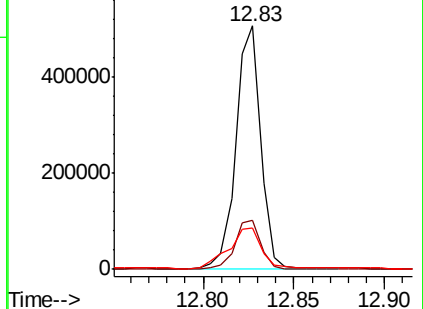
203 16.9 14.6 22.0



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: 30.555 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF112214.D

Acq: 24 Jan 2019 17:42

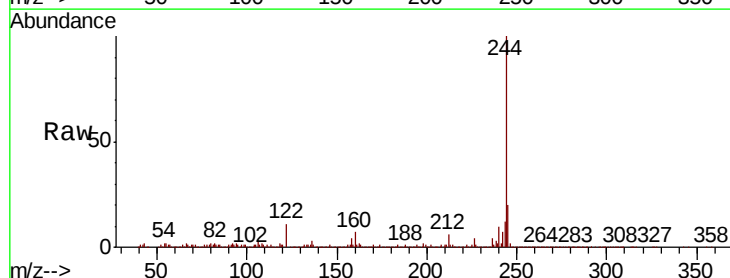
Tgt Ion:244 Resp: 685663

Ion Ratio Lower Upper

244 100

212 6.4 5.9 8.9

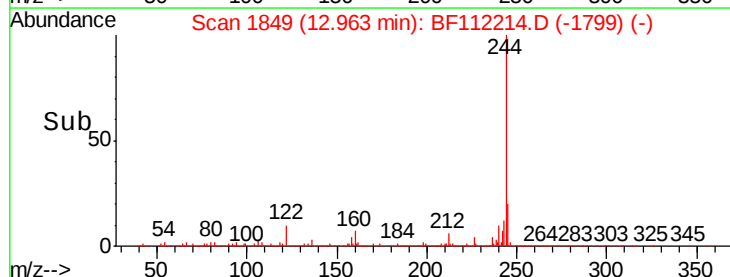
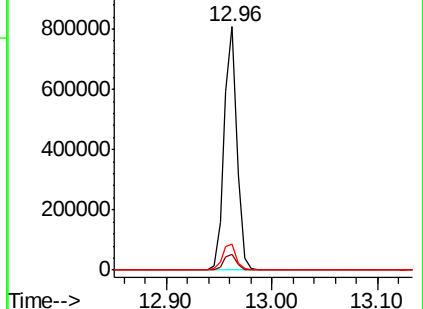
122 10.6 9.8 14.6

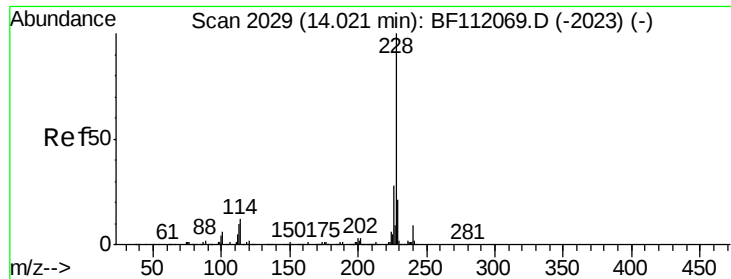


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

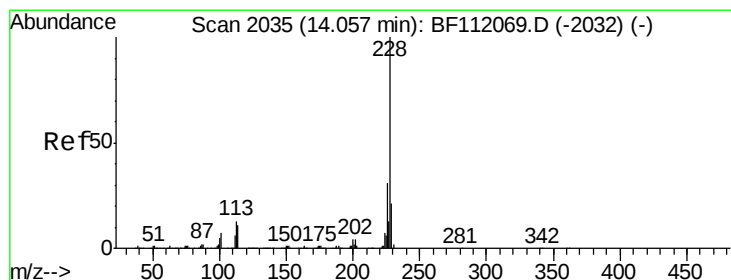
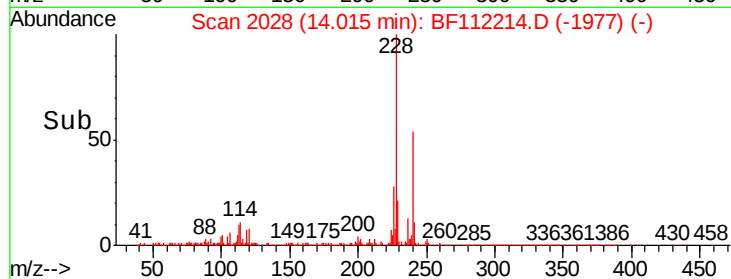
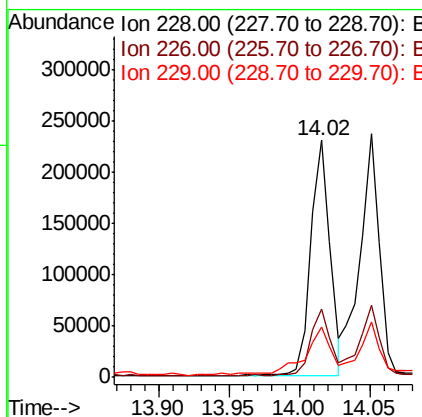
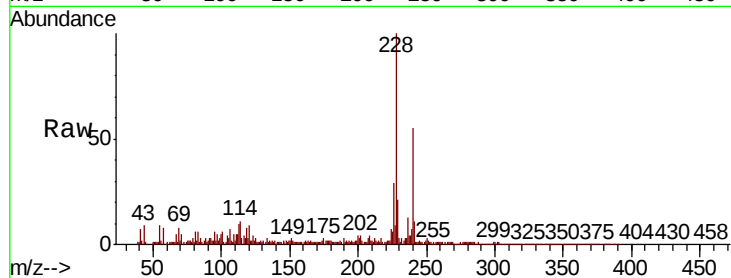




#81
Benzo(a)anthracene
Concen: 8.013 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF112214.D
Acq: 24 Jan 2019 17:42

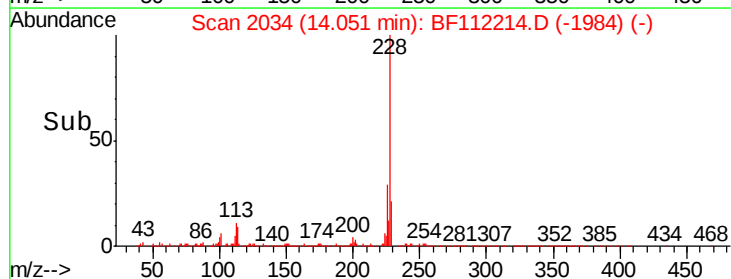
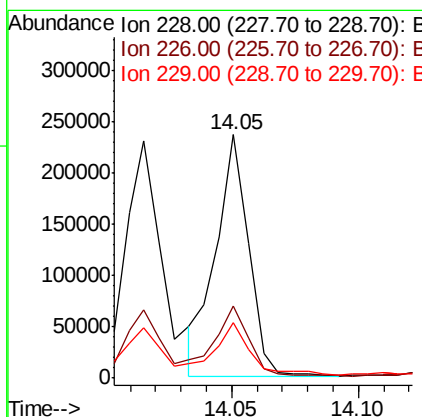
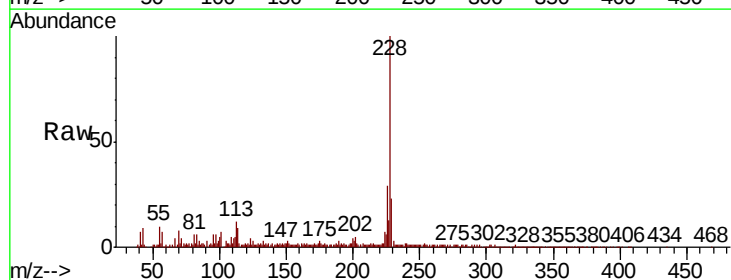
Instrument :
BNA_F
ClientSampleId :
TS-N

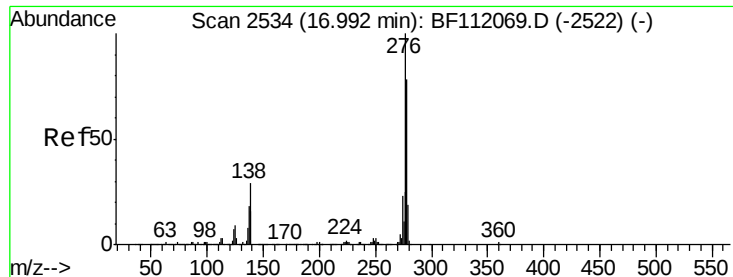
Tgt Ion:228 Resp: 219332
Ion Ratio Lower Upper
228 100
226 28.6 22.6 34.0
229 21.4 16.5 24.7



#83
Chrysene
Concen: 8.239 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112214.D
Acq: 24 Jan 2019 17:42

Tgt Ion:228 Resp: 213390
Ion Ratio Lower Upper
228 100
226 29.4 25.0 37.6
229 22.7 16.6 24.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.800 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.01 min

Lab File: BF112214.D

Acq: 24 Jan 2019 17:42

Instrument :

BNA_F

ClientSampleId :

TS-N

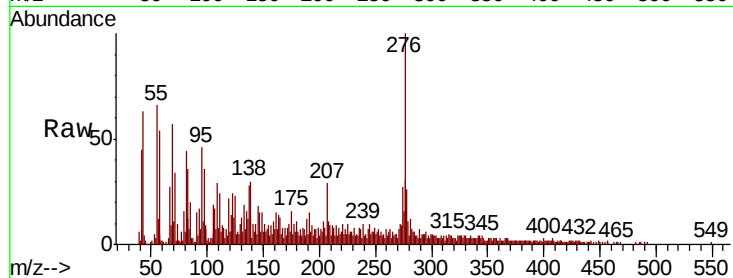
Tgt Ion:276 Resp: 66897

Ion Ratio Lower Upper

276 100

138 27.4 22.6 34.0

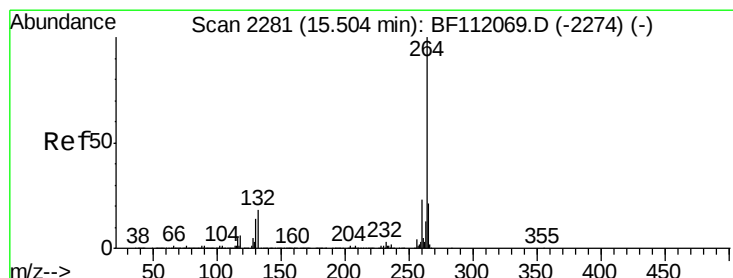
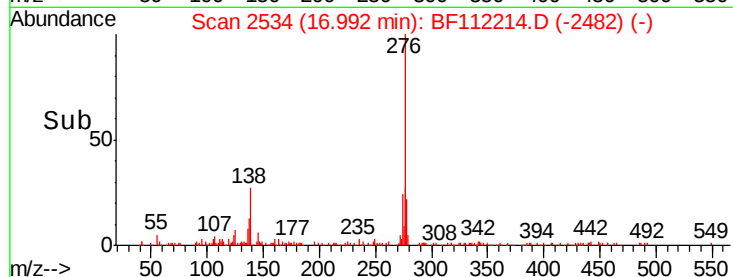
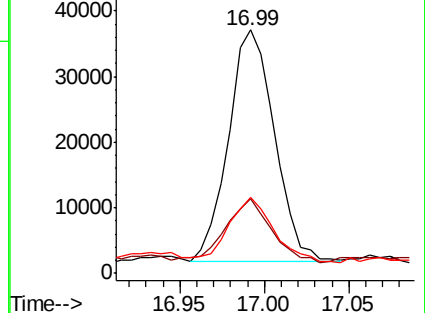
277 27.4 20.3 30.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BF112214.D

Acq: 24 Jan 2019 17:42

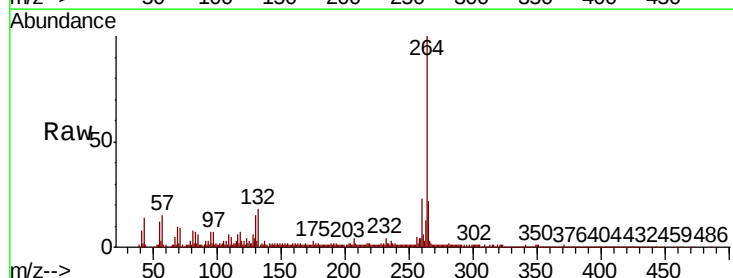
Tgt Ion:264 Resp: 345809

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.2

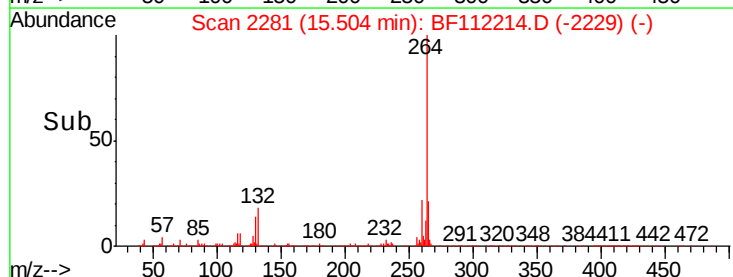
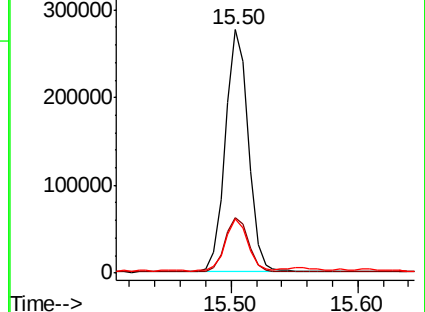
265 22.1 17.0 25.4

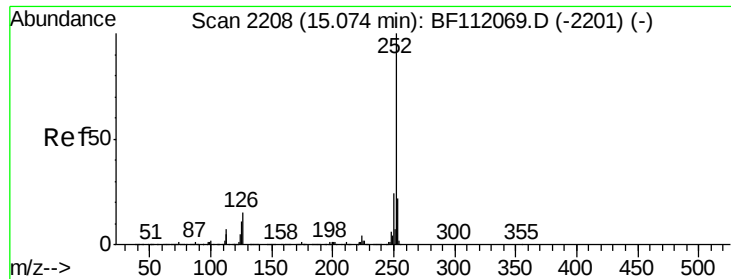


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 13.865 ng

RT: 15.07 min Scan# 2208

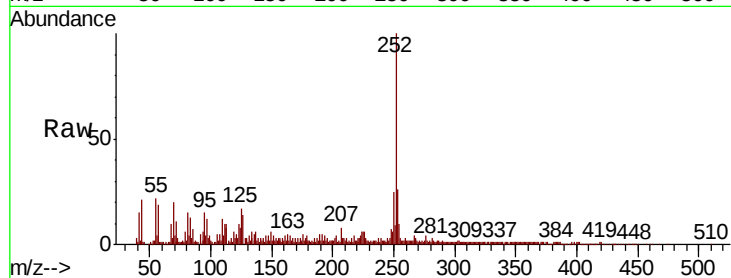
Delta R.T. 0.01 min

Lab File: BF112214.D

Acq: 24 Jan 2019 17:42

Instrument :
BNA_F
ClientSampleId :
TS-N

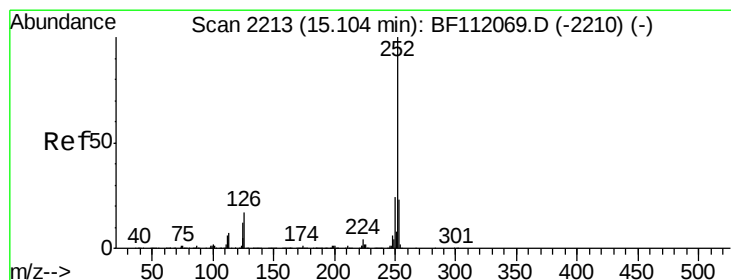
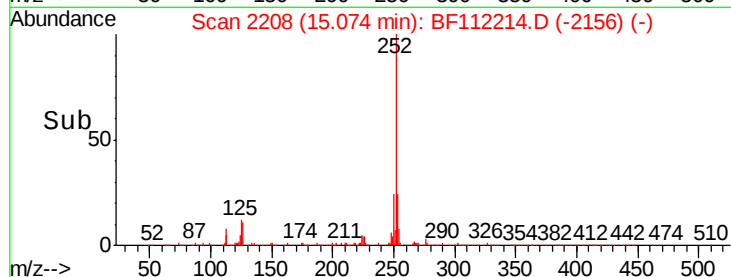
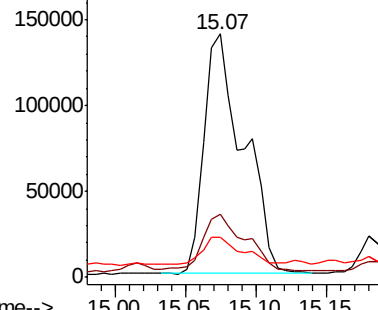
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.0	27.0
125	16.5	8.7	13.1#



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: 14.325 ng

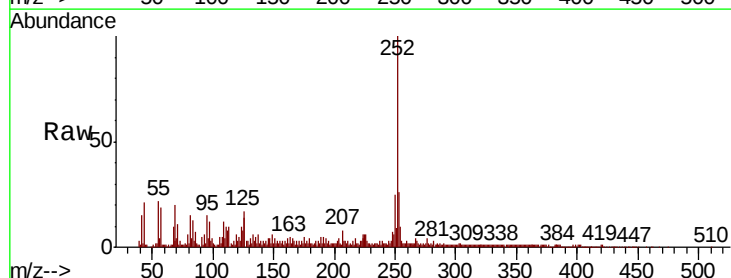
RT: 15.07 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BF112214.D

Acq: 24 Jan 2019 17:42

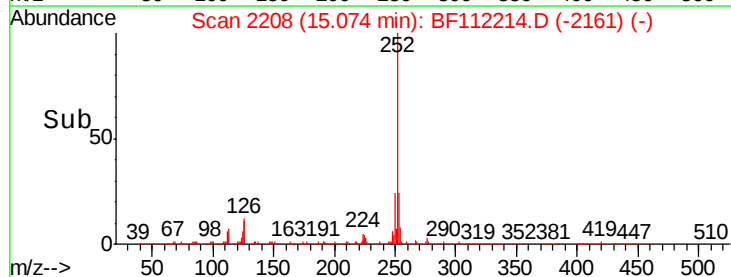
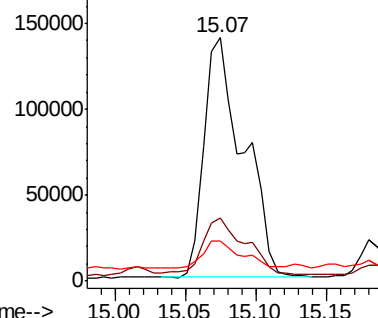
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.0	27.0
125	16.5	9.1	13.7#

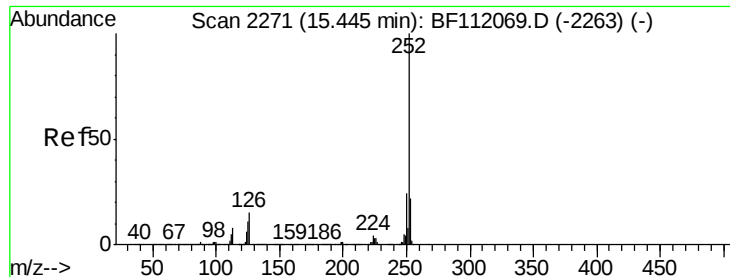


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

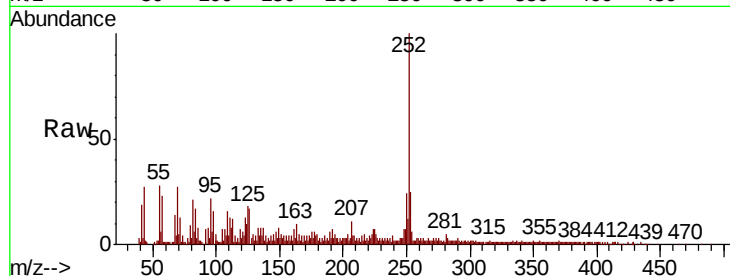




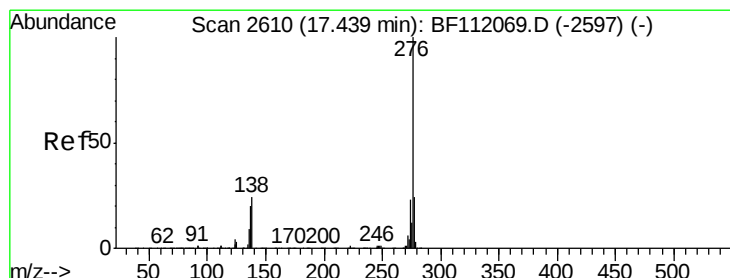
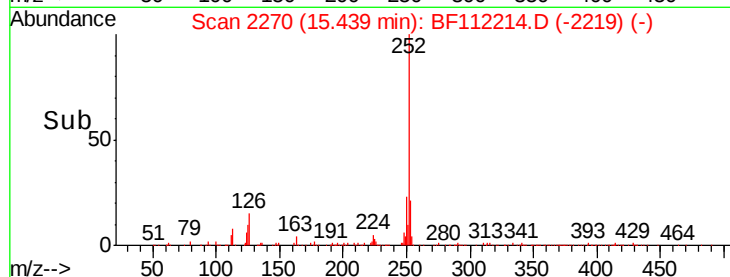
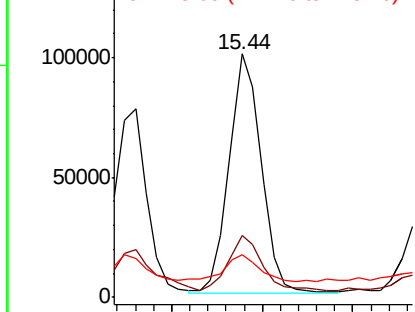
#90
Benzo(a)pyrene
Concen: 6.833 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF112214.D
Acq: 24 Jan 2019 17:42

Instrument :
BNA_F
ClientSampleId :
TS-N

Tgt Ion: 252 Resp: 123003
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 17.5 9.0 13.4#

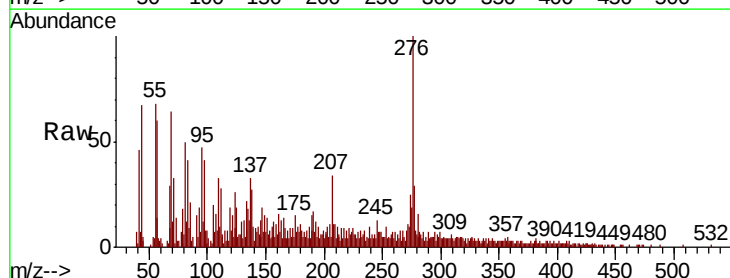


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.119 ng
RT: 17.44 min Scan# 2611
Delta R.T. 0.02 min
Lab File: BF112214.D
Acq: 24 Jan 2019 17:42

Tgt Ion: 276 Resp: 64888
Ion Ratio Lower Upper
276 100
277 29.5 19.4 29.0#
138 27.1 19.1 28.7



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

