

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112077.D
 Acq On : 17 Jan 2019 9:32
 Operator : JU/SJ
 Sample : K1147-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Jan 17 10:15:09 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	280812	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1091361	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	532379	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	964695	20.00	ng	0.00
76) Chrysene-d12	14.03	240	736628	20.00	ng	0.00
87) Perylene-d12	15.50	264	695320	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1527478	98.73	ng	0.00
7) Phenol-d6	6.50	99	1986533	102.63	ng	0.00
23) Nitrobenzene-d5	7.42	82	1215686	76.96	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	604797	105.31	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2479501	68.28	ng	0.00
79) Terphenyl-d14	12.97	244	2390741	69.04	ng	0.00

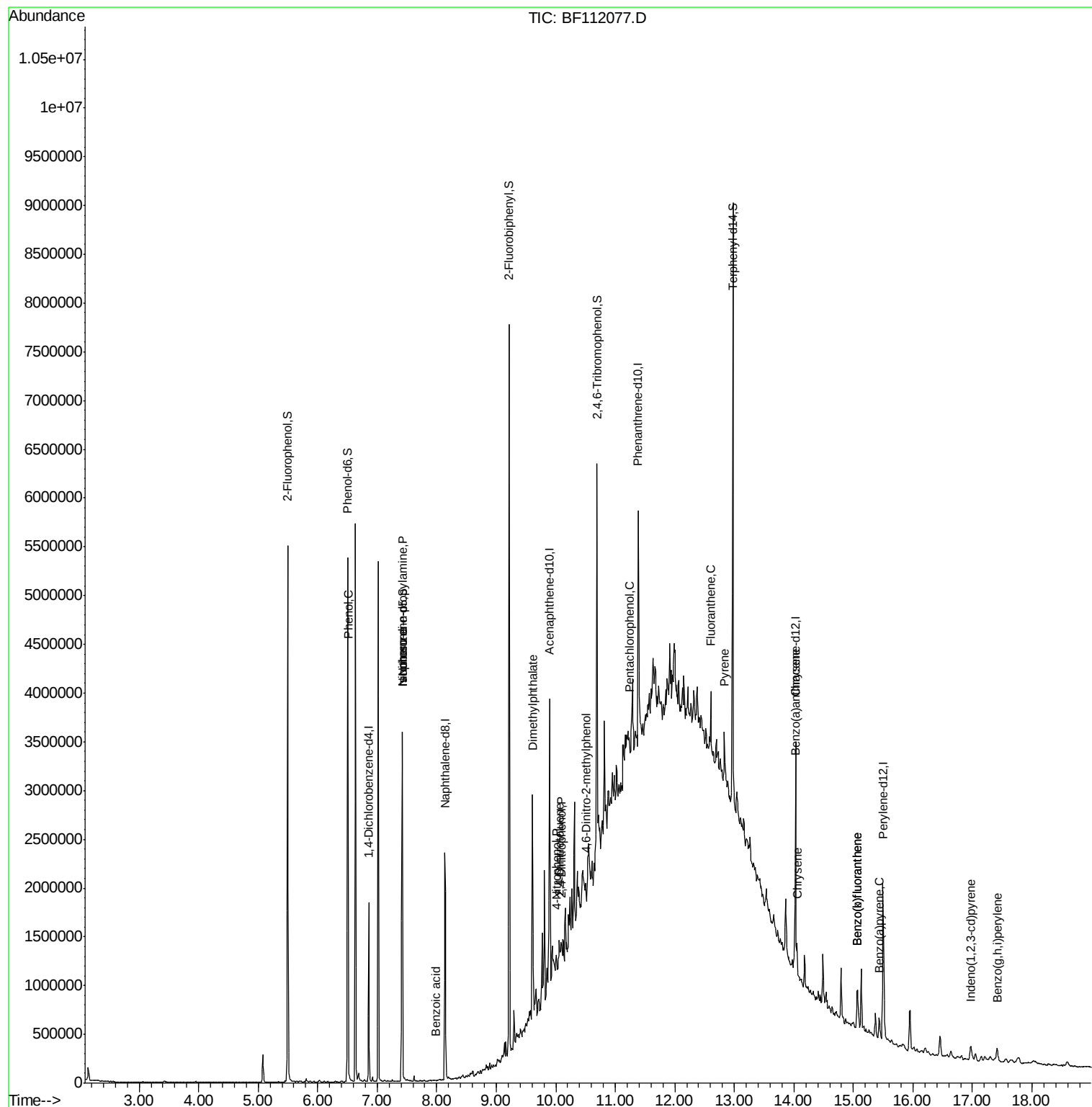
Target Compounds				Qvalue		
9) Benzaldehyde	6.41	77	1563	Below Cal	#	76
10) Phenol	6.52	94	44165	2.088	ng	83
19) n-Nitroso-di-n-propylamine	7.42	70	164007	13.908	ng	78
25) Isophorone	7.42	82	1211738	39.714	ng	64
32) Benzoic acid	7.98	122	137	7.191	ng	84
50) Dimethylphthalate	9.61	163	655573	16.885	ng	97
54) 2,4-Dinitrophenol	10.09	184	1284	8.592	ng	1
56) 4-Nitrophenol	10.01	139	2122	5.973	ng	1
57) 2,4-Dinitrotoluene	10.06	165	3570	4.906	ng	56
65) 4,6-Dinitro-2-methylphenol	10.52	198	1274	10.320	ng	1
70) Pentachlorophenol	11.23	266	2275	6.467	ng	35
75) Fluoranthene	12.60	202	234782	4.580	ng	96
78) Pyrene	12.83	202	246228	5.066	ng	96
81) Benzo(a)anthracene	14.02	228	108612	2.572	ng	96
83) Chrysene	14.05	228	130493	3.265	ng	96
86) Indeno(1,2,3-cd)pyrene	16.97	276	91729	2.488	ng	96
88) Benzo(b)fluoranthene	15.07	252	261892	6.635	ng	# 97
89) Benzo(k)fluoranthene	15.07	252	261892	6.856	ng	98
90) Benzo(a)pyrene	15.43	252	109241	3.018	ng	# 97
92) Benzo(a,h,i)perylene	17.42	276	105179	3.321	ng	99

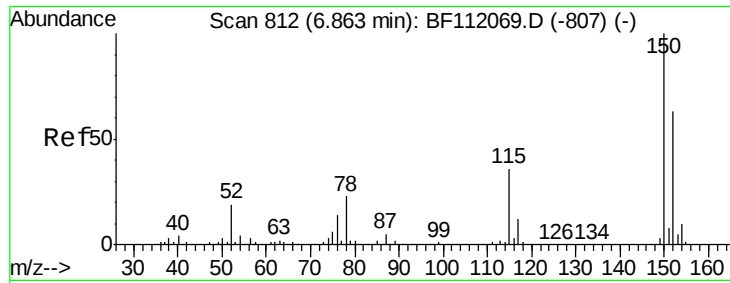
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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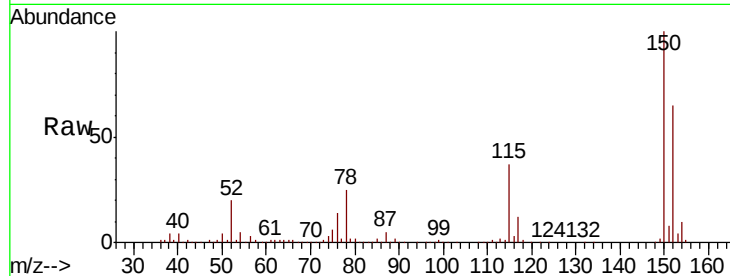


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF112077.D
 Acq: 17 Jan 2019 9:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	127.4	191.0
115	57.5	45.5	68.3

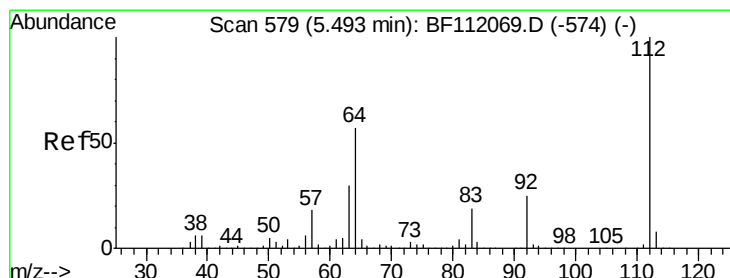
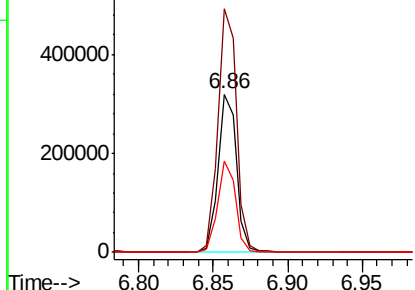
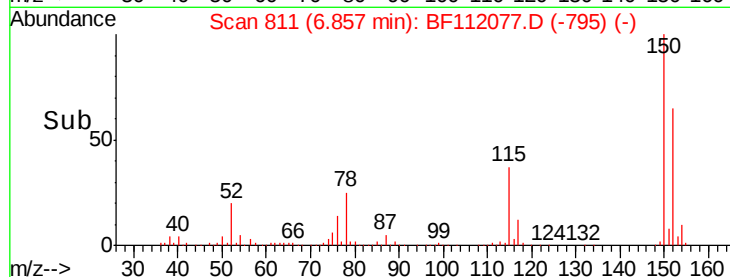


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

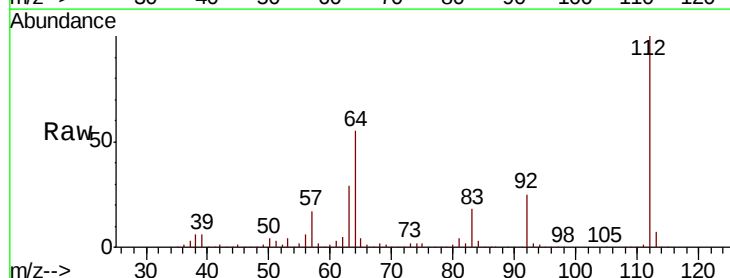
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 98.729 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF112077.D
 Acq: 17 Jan 2019 9:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	45.7	68.5
63	28.7	23.6	35.4

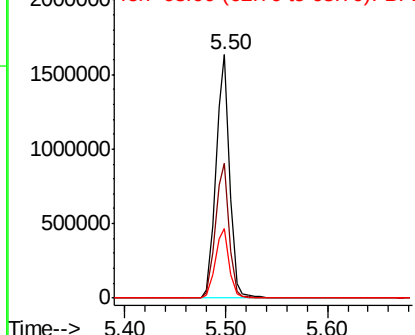
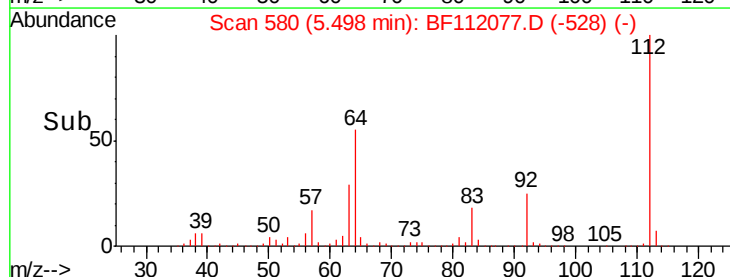


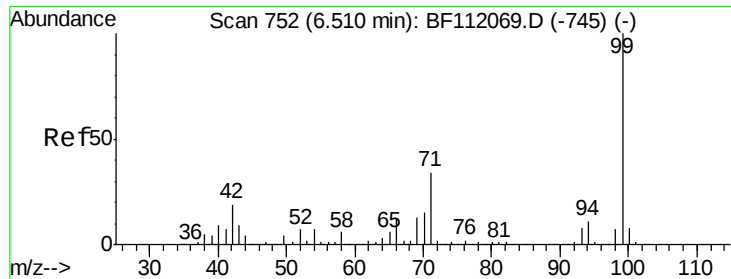
Abundance

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: 102.626 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112077.D

Acq: 17 Jan 2019 9:32

Instrument :

BNA_F

ClientSampled :

TP-2

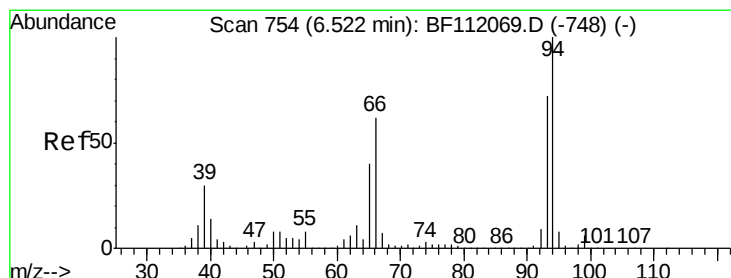
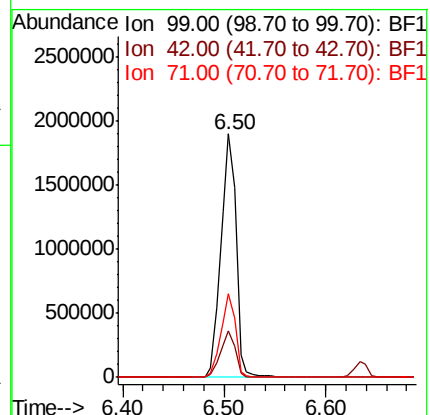
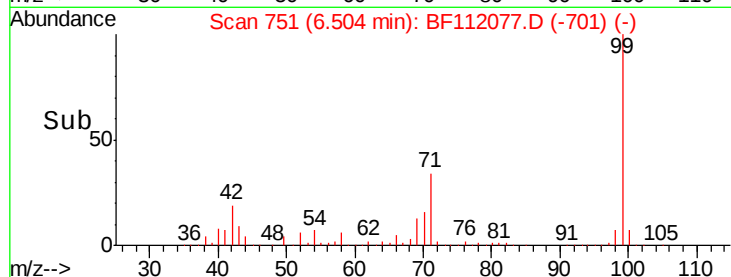
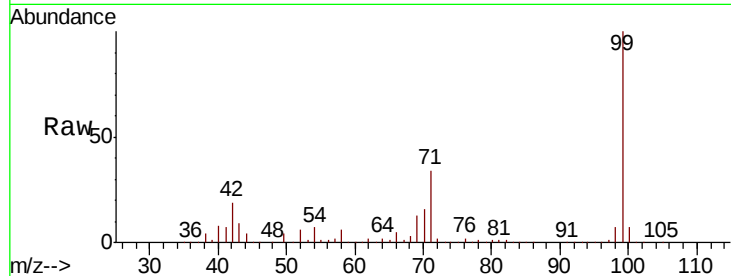
Tot Ion: 99 Resp: 1986533

Ion Ratio Lower Upper

99 100

42 19.0 15.1 22.7

71 34.3 26.9 40.3



#10

Phenol

Concen: 2.088 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF112077.D

Acq: 17 Jan 2019 9:32

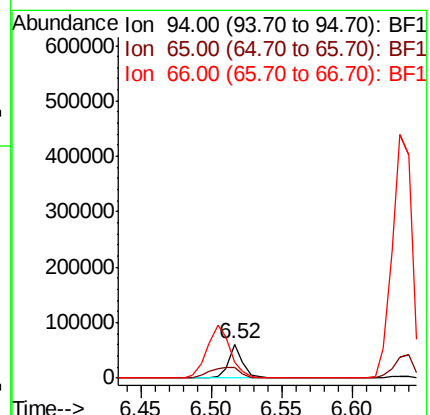
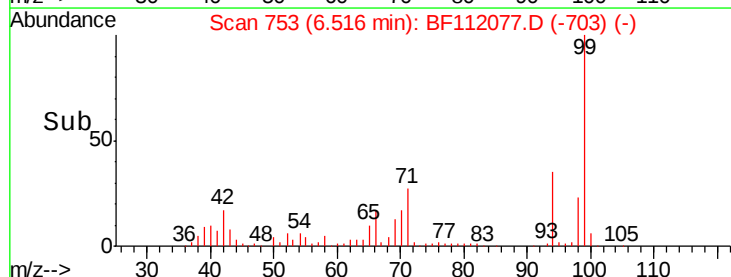
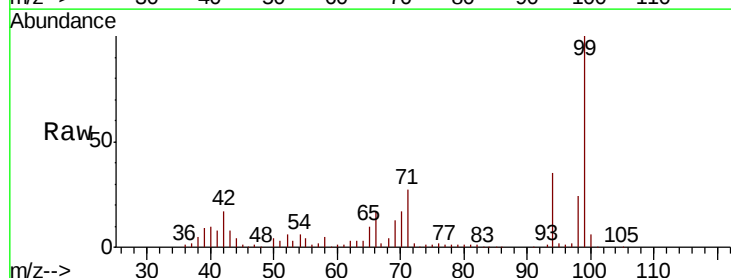
Tgt Ion: 94 Resp: 44165

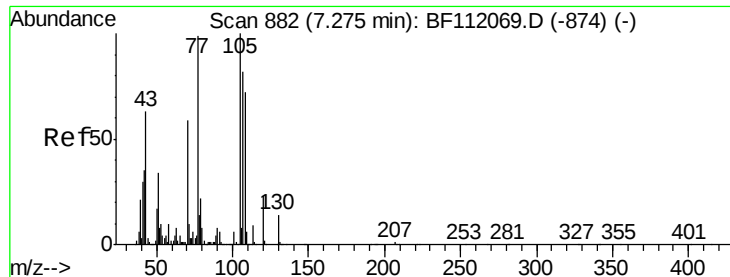
Ion Ratio Lower Upper

94 100

65 30.1 20.3 60.3

66 48.4 42.4 82.4

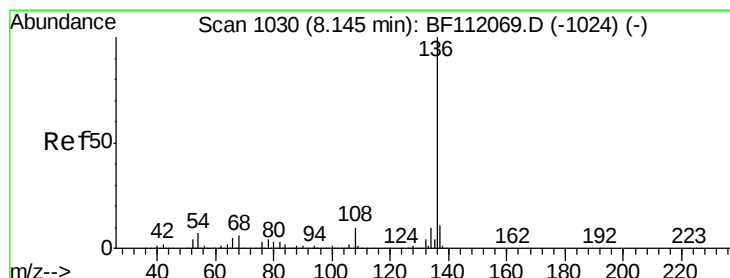
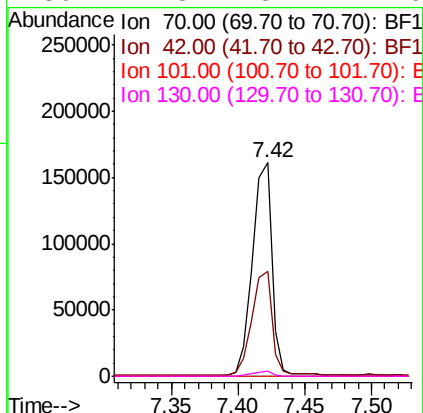
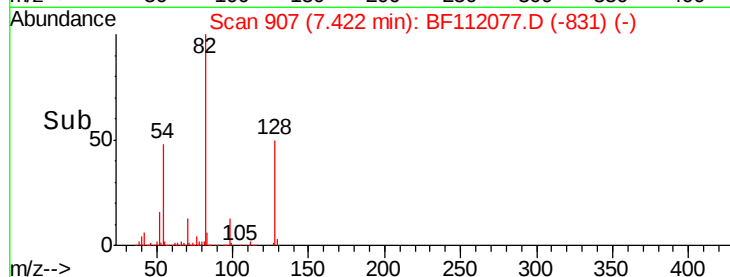
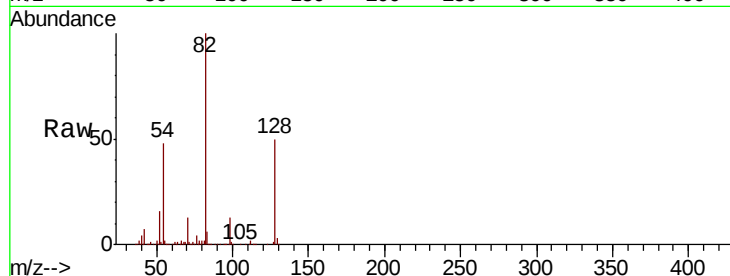




#19
n-Nitroso-di-n-propylamine
Concen: 13.908 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF112077.D
Acq: 17 Jan 2019 9:32

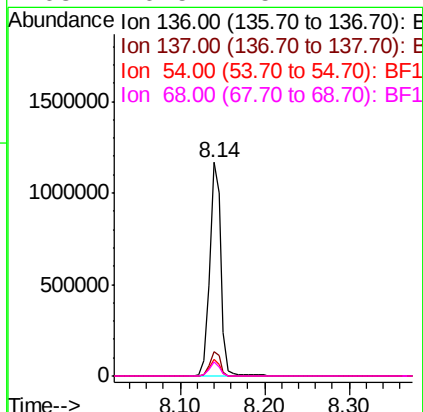
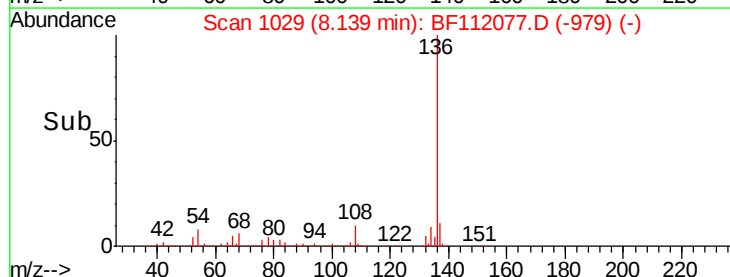
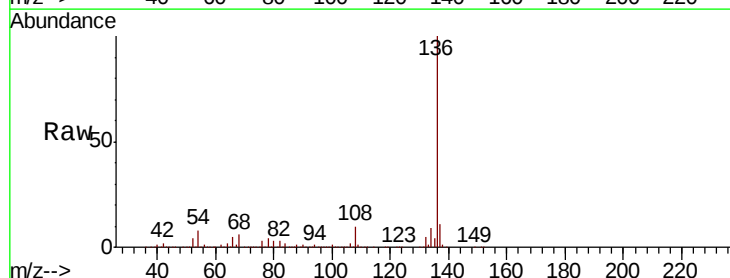
Instrument :
BNA_F
ClientSampled :
TP-2

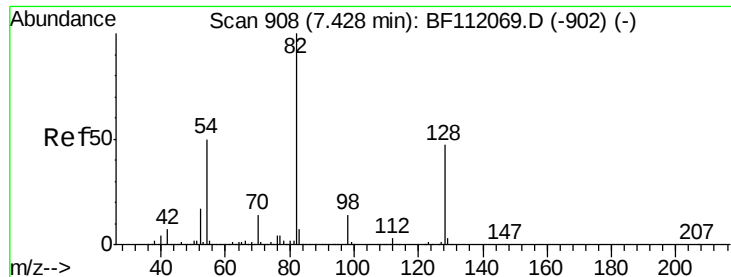
Tot Ion	Ratio	Lower	Upper
70	100		
42	49.1	47.6	71.4
101	0.0	7.9	11.9#
130	2.3	18.4	27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112077.D
Acq: 17 Jan 2019 9:32

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.8	5.9	8.9
68	6.5	5.1	7.7

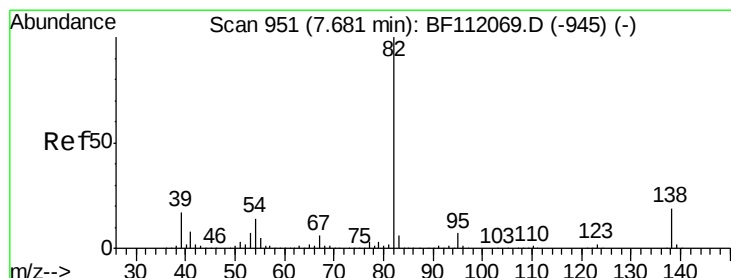
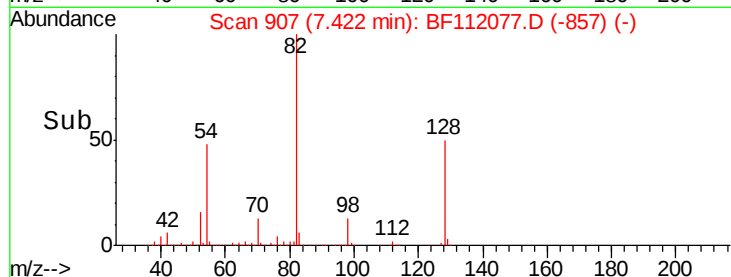
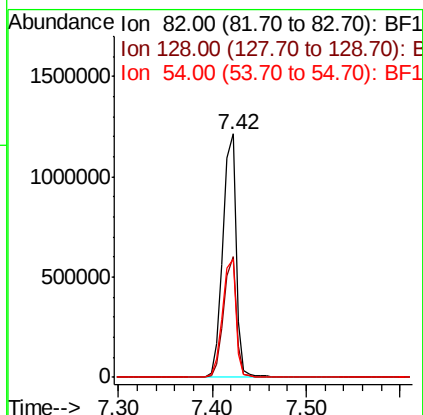
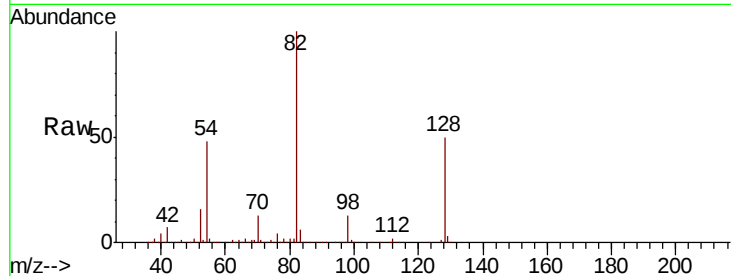




#23
 Nitrobenzene-d5
 Concen: 76.959 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF112077.D
 Acq: 17 Jan 2019 9:32

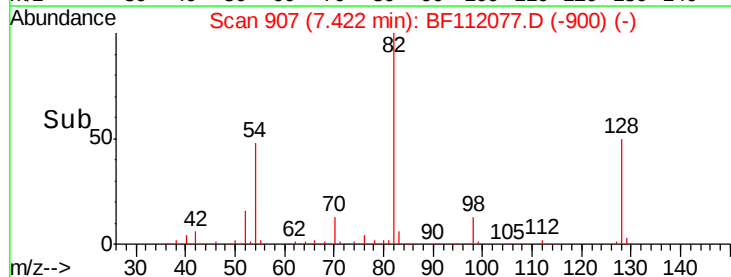
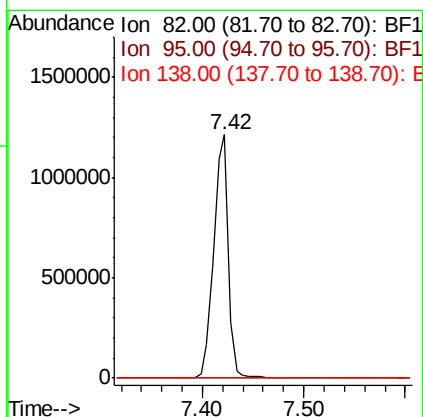
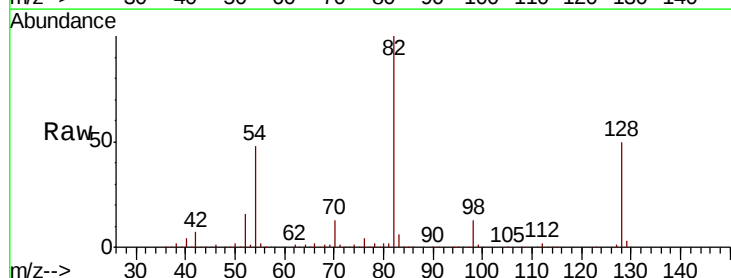
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

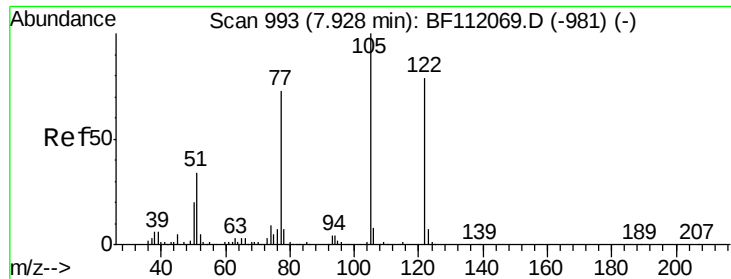
Tot Ion: 82 Resp: 1215686
 Ion Ratio Lower Upper
 82 100
 128 49.6 37.8 56.8
 54 48.4 39.7 59.5



#25
 Isophorone
 Concen: 39.714 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.26 min
 Lab File: BF112077.D
 Acq: 17 Jan 2019 9:32

Tgt Ion: 82 Resp: 1211738
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.7 8.5#
 138 0.0 15.4 23.0#

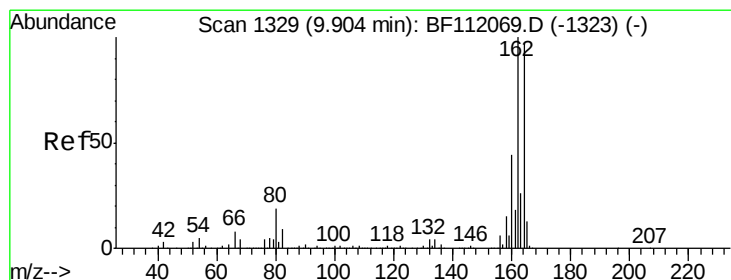
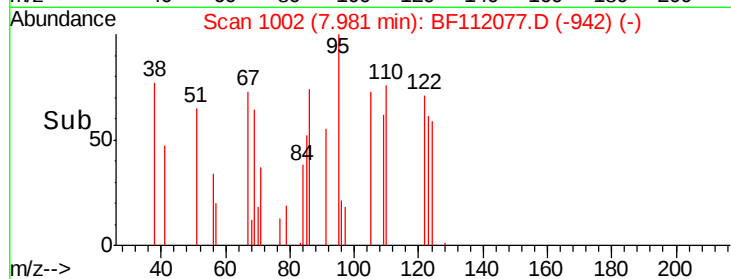
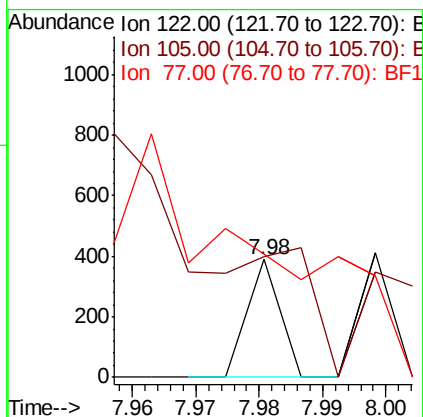
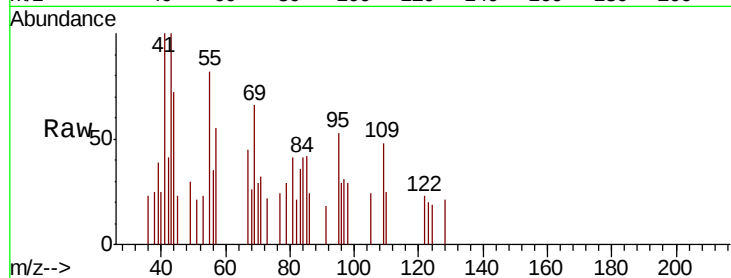




#32
Benzoic acid
Concen: 7.191 ng
RT: 7.98 min Scan# 1002
Delta R.T. 0.05 min
Lab File: BF112077.D
Acq: 17 Jan 2019 9:32

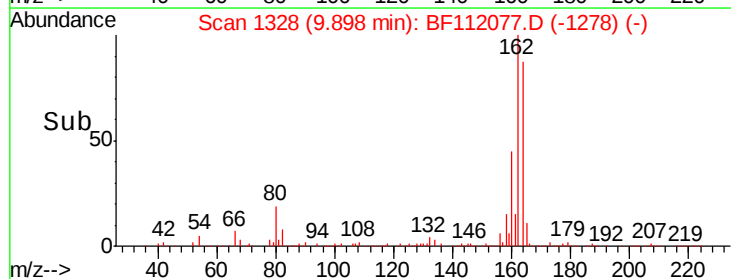
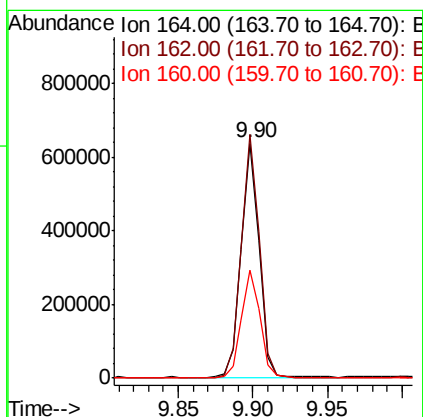
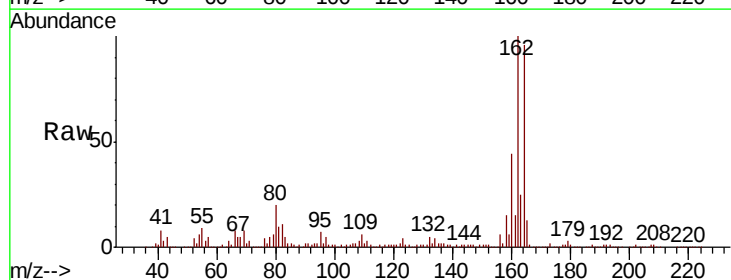
Instrument :
BNA_F
ClientSampleId :
TP-2

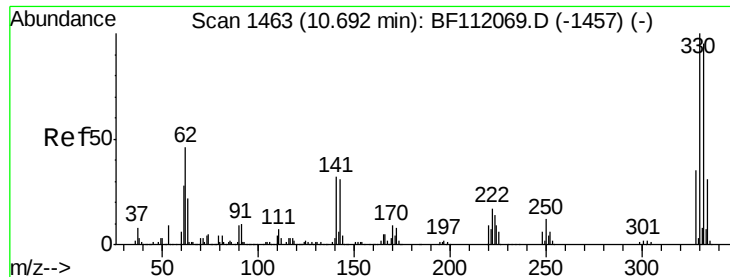
Tot Ion:122 Resp: 137
Ion Ratio Lower Upper
122 100
105 102.8 101.2 141.2
77 105.1 70.4 110.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF112077.D
Acq: 17 Jan 2019 9:32

Tgt Ion:164 Resp: 532379
Ion Ratio Lower Upper
164 100
162 103.7 82.2 123.4
160 46.0 36.2 54.4

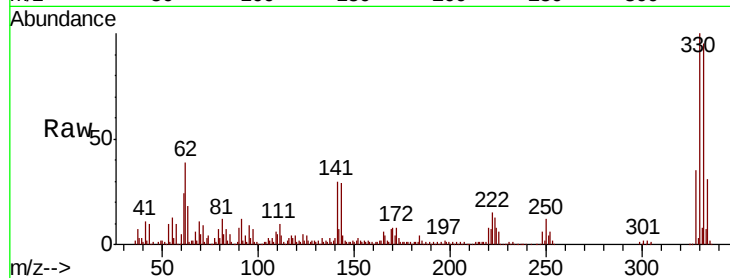




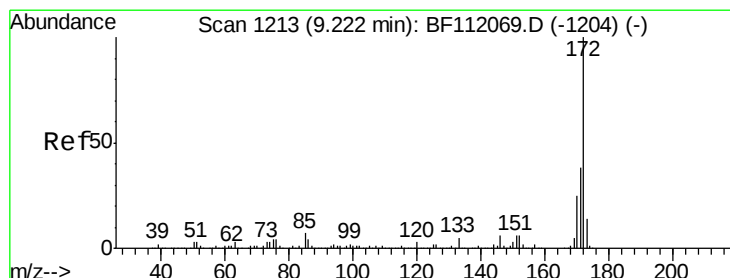
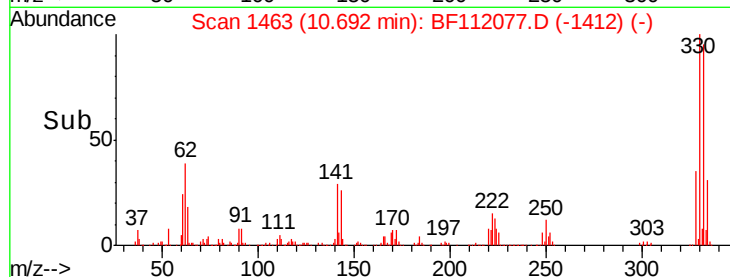
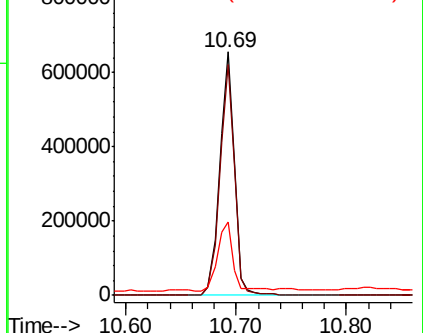
#42
 2,4,6-Tribromophenol
 Concen: 105.307 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF112077.D
 Acq: 17 Jan 2019 9:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion:330 Resp: 604797
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 114.8
 141 28.2 24.3 36.5

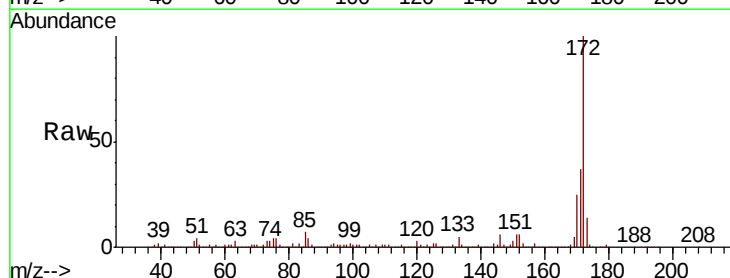


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

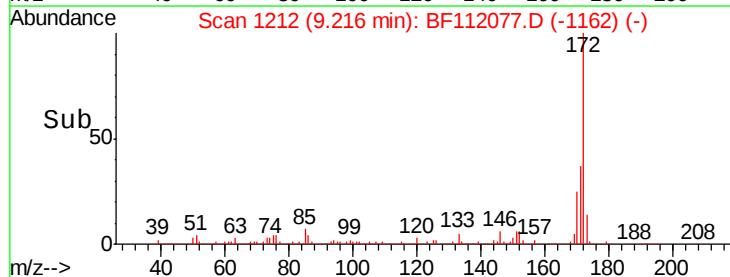
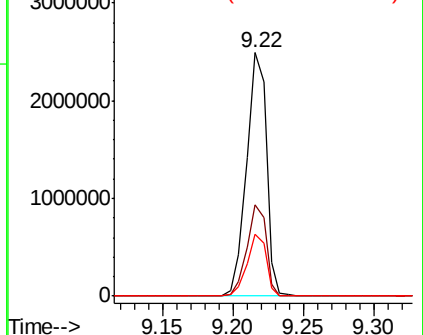


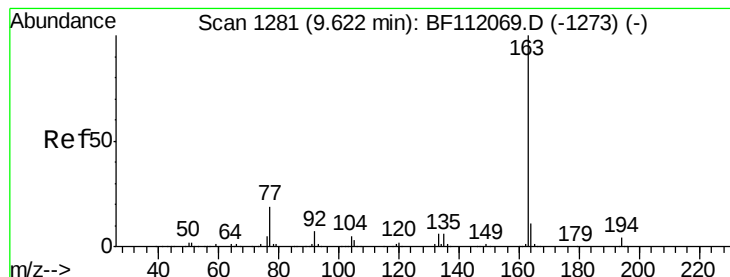
#45
 2-Fluorobiphenyl
 Concen: 68.283 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF112077.D
 Acq: 17 Jan 2019 9:32

Tgt Ion:172 Resp: 2479501
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.5 45.7
 170 25.2 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: 16.885 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF112077.D

Acq: 17 Jan 2019 9:32

Instrument :

BNA_F

ClientSampled :

TP-2

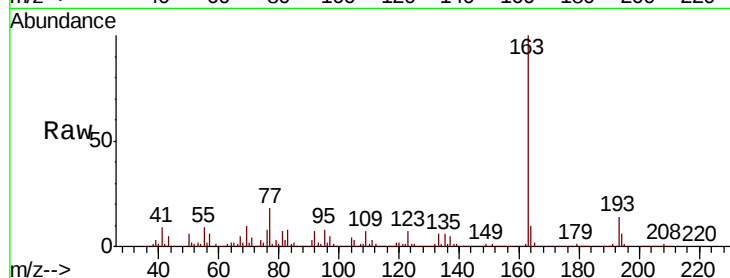
Tot Ion:163 Resp: 655573

Ion Ratio Lower Upper

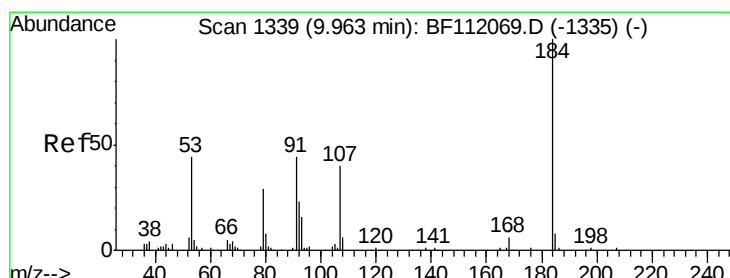
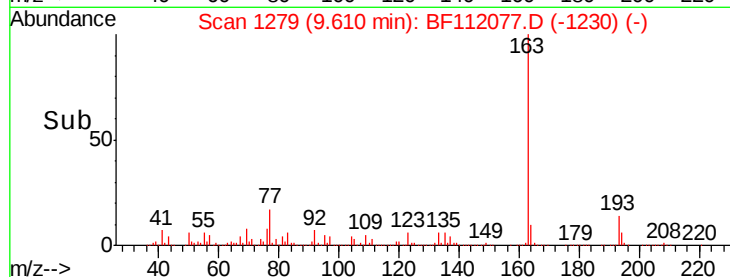
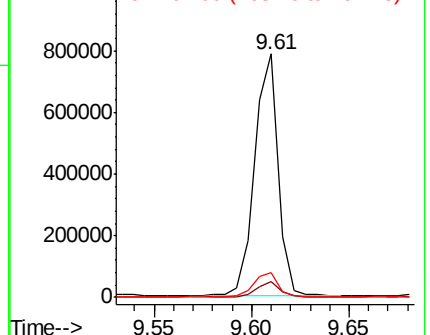
163 100

194 6.3 3.3 4.9#

164 10.0 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



#54

2,4-Dinitrophenol

Concen: 8.592 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.13 min

Lab File: BF112077.D

Acq: 17 Jan 2019 9:32

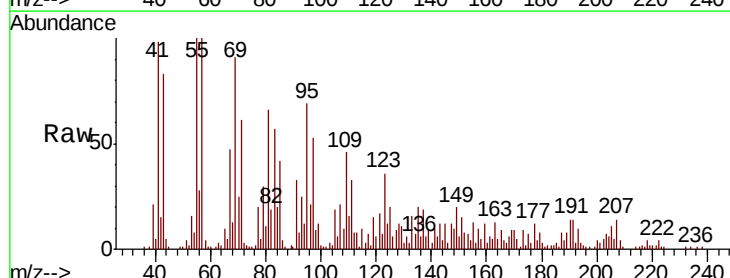
Tgt Ion:184 Resp: 1284

Ion Ratio Lower Upper

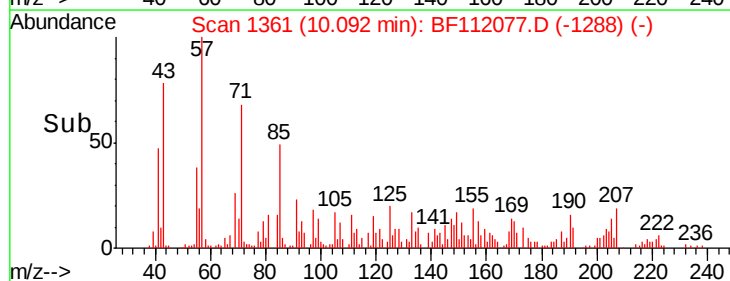
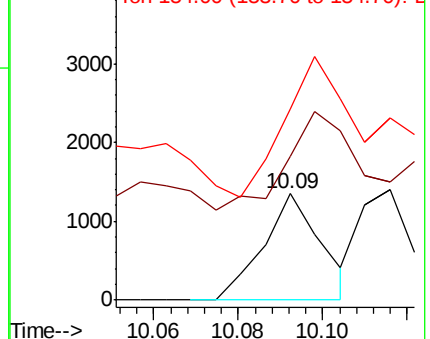
184 100

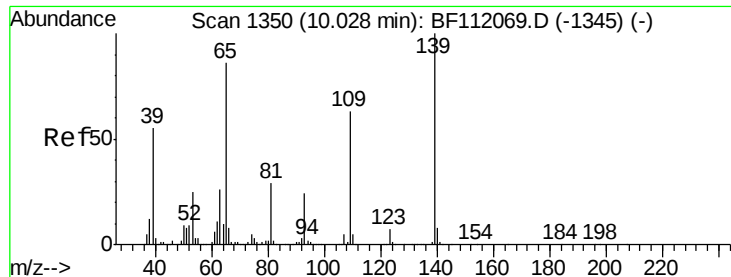
63 135.5 47.1 70.7#

154 180.2 48.9 73.3#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

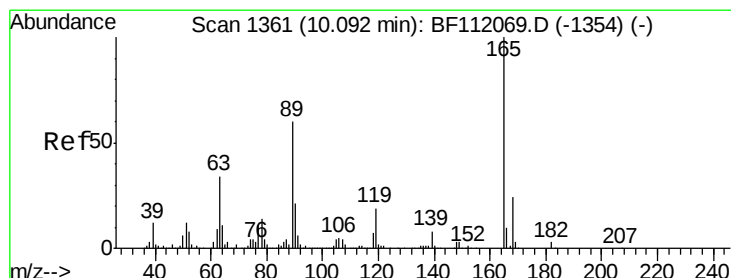
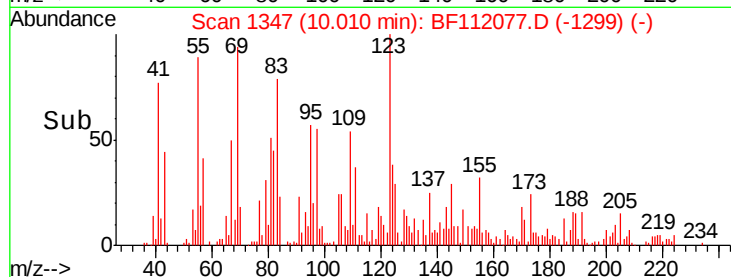
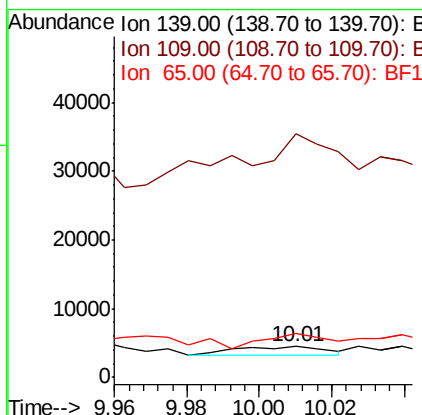
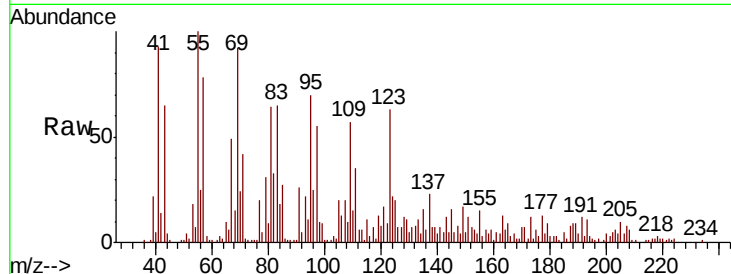




#56
4-Nitrophenol
Concen: 5.973 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF112077.D
Acq: 17 Jan 2019 9:32

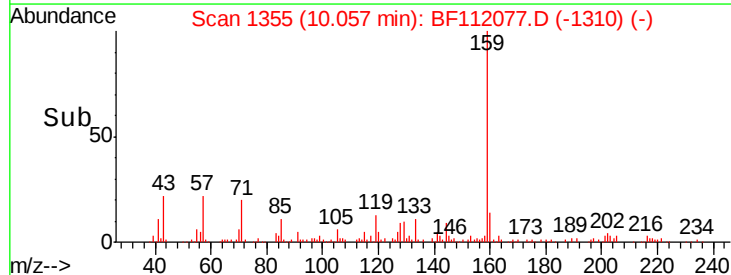
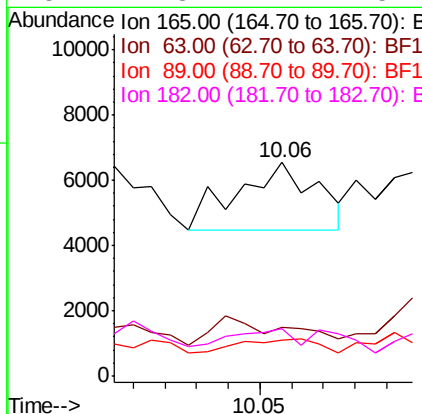
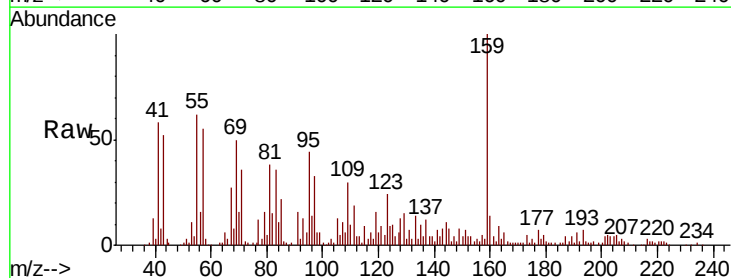
Instrument :
BNA_F
ClientSampled :
TP-2

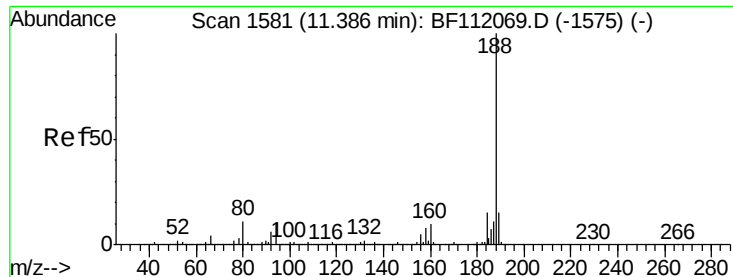
Tot Ion:139 Resp: 2122
Ion Ratio Lower Upper
139 100
109 792.5 42.8 82.8#
65 143.8 66.1 106.1#



#57
2,4-Dinitrotoluene
Concen: 4.906 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.04 min
Lab File: BF112077.D
Acq: 17 Jan 2019 9:32

Tgt Ion:165 Resp: 3570
Ion Ratio Lower Upper
165 100
63 22.8 27.9 41.9#
89 16.6 47.9 71.9#
182 22.3 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BF112077.D

Acq: 17 Jan 2019 9:32

Instrument :

BNA_F

ClientSampleId :

TP-2

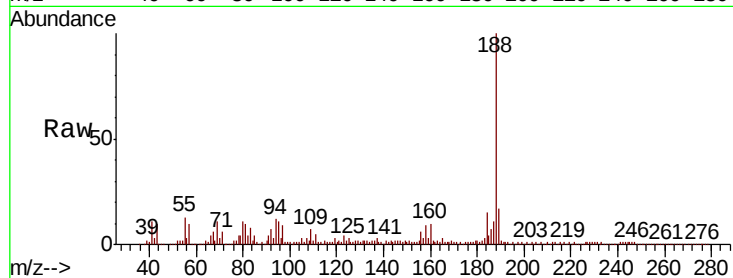
Tot Ion:188 Resp: 964695

Ion Ratio Lower Upper

188 100

94 11.6 8.2 12.2

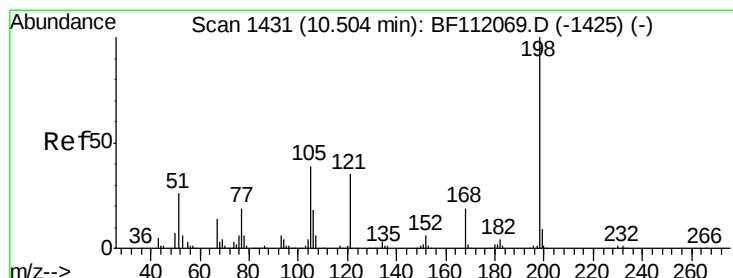
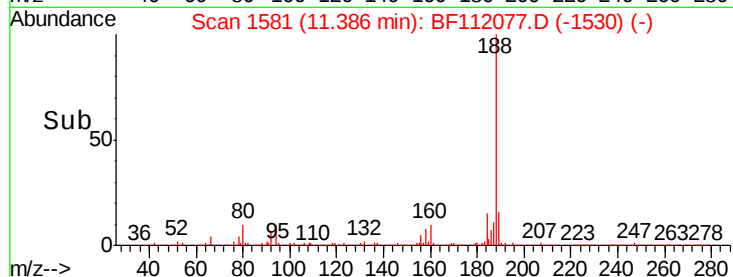
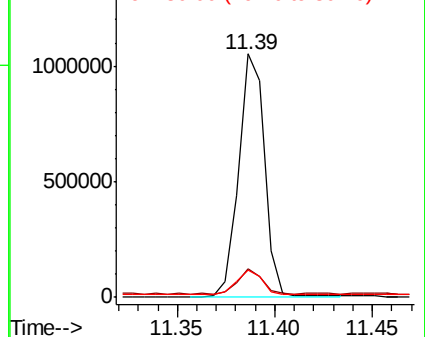
80 11.4 8.9 13.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 10.320 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.01 min

Lab File: BF112077.D

Acq: 17 Jan 2019 9:32

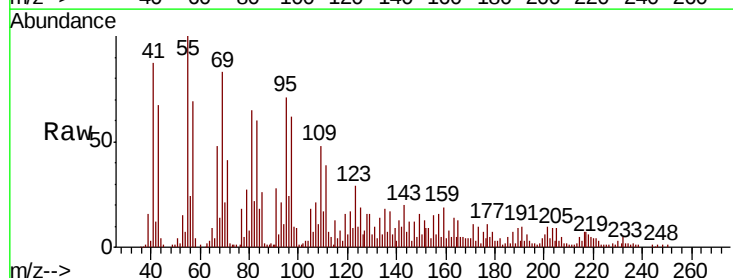
Tgt Ion:198 Resp: 1274

Ion Ratio Lower Upper

198 100

51 191.5 17.2 57.2#

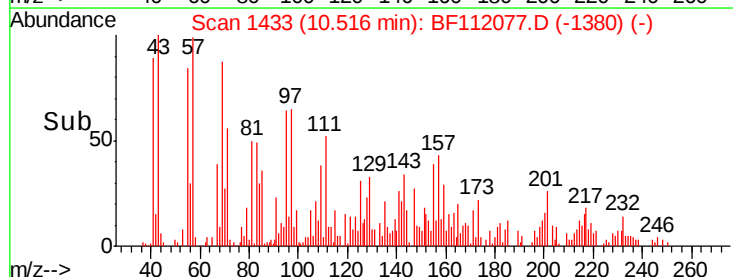
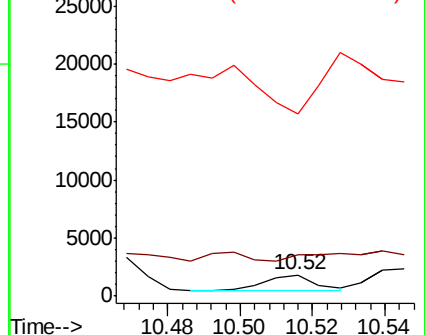
105 850.4 21.9 61.9#

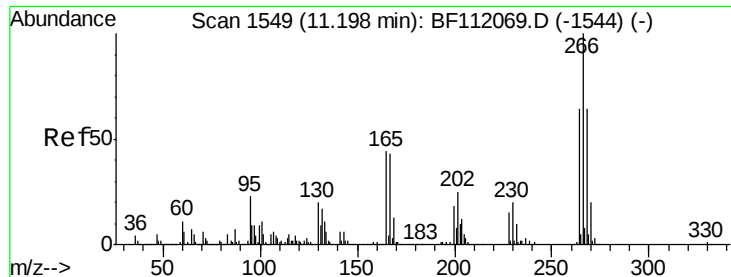


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

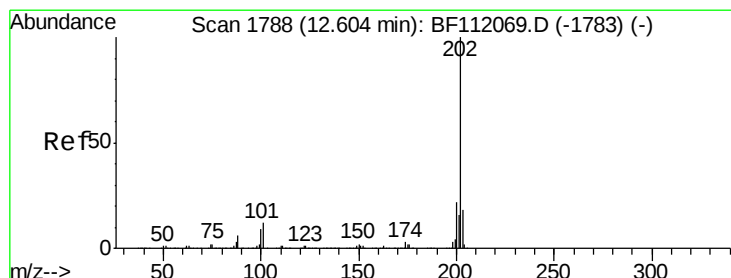
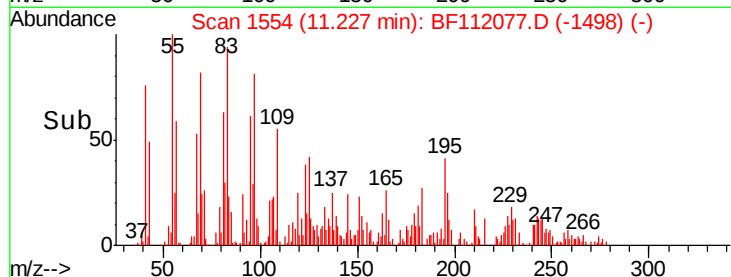
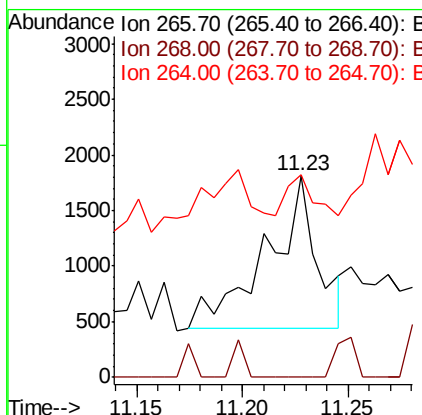
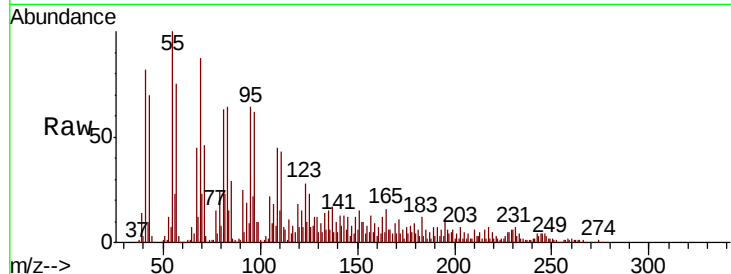




#70
Pentachlorophenol
Concen: 6.467 ng
RT: 11.23 min Scan# 1554
Delta R.T. 0.03 min
Lab File: BF112077.D
Acq: 17 Jan 2019 9:32

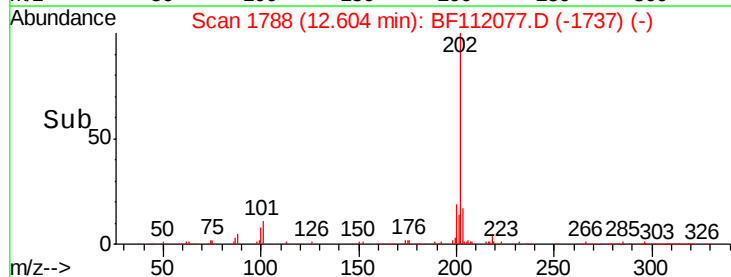
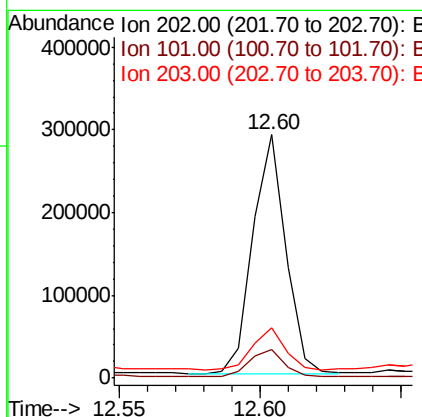
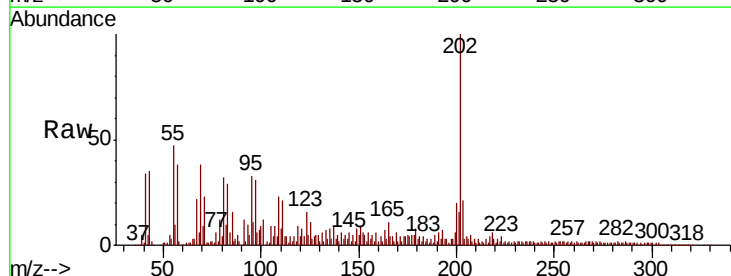
Instrument :
BNA_F
ClientSampled :
TP-2

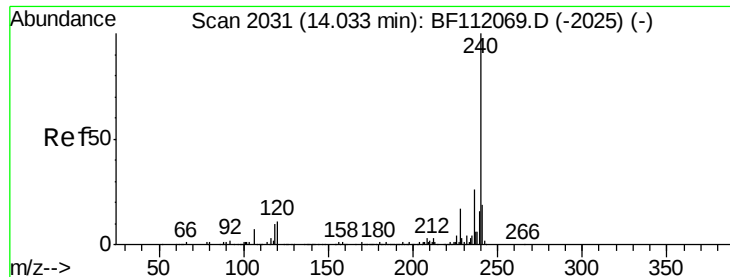
Tot Ion:266 Resp: 2275
Ion Ratio Lower Upper
266 100
268 0.0 51.2 76.8#
264 100.7 50.9 76.3#



#75
Fluoranthene
Concen: 4.580 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BF112077.D
Acq: 17 Jan 2019 9:32

Tgt Ion:202 Resp: 234782
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.8
203 20.9 0.0 38.4

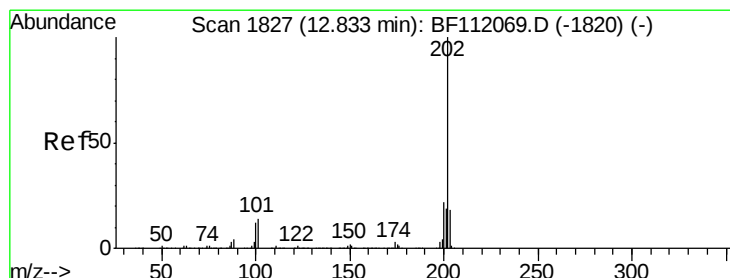
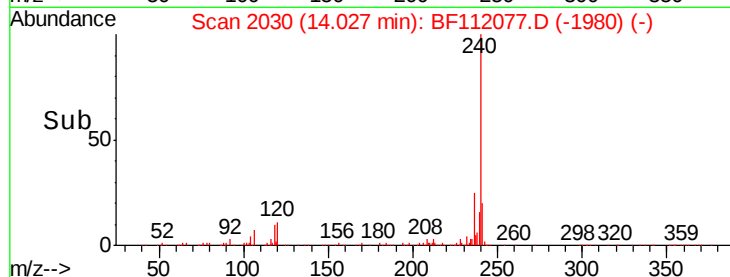
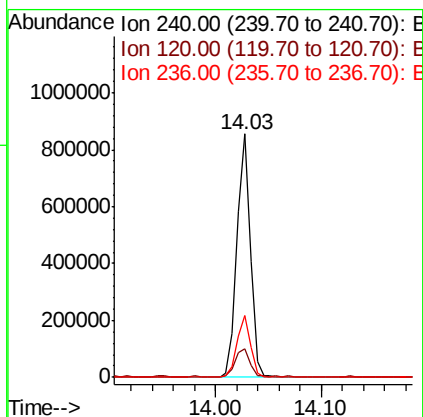
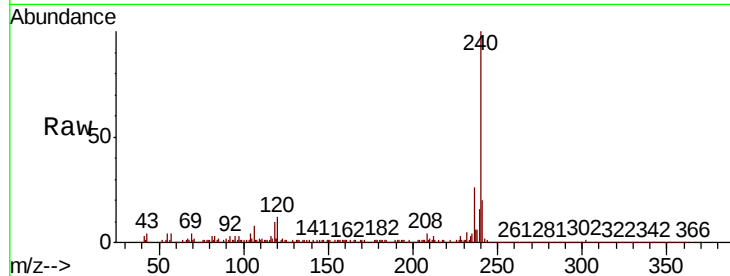




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF112077.D
 Acq: 17 Jan 2019 9:32

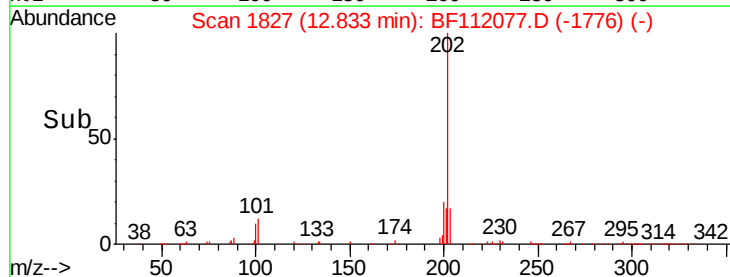
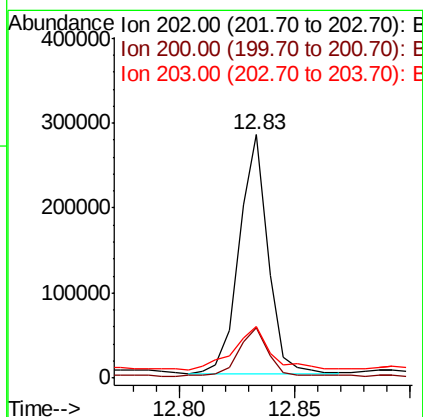
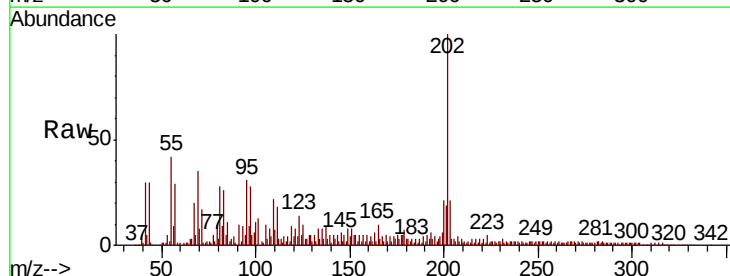
Instrument :
 BNA_F
 ClientSampled :
 TP-2

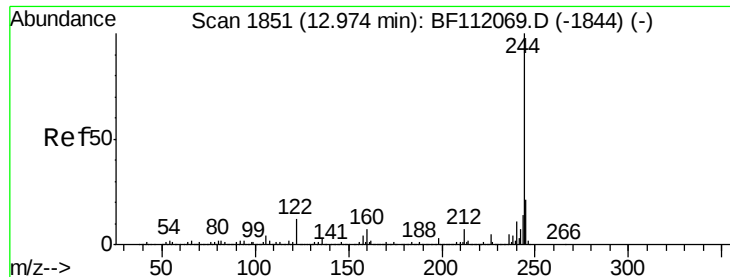
Tot Ion:240 Resp: 736628
 Ion Ratio Lower Upper
 240 100
 120 12.0 9.0 13.6
 236 25.5 20.7 31.1



#78
 Pyrene
 Concen: 5.066 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF112077.D
 Acq: 17 Jan 2019 9:32

Tgt Ion:202 Resp: 246228
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.7 26.5
 203 21.2 14.6 22.0





#79

Terphenyl-d14

Concen: 69.044 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF112077.D

Acq: 17 Jan 2019 9:32

Instrument :

BNA_F

ClientSampleId :

TP-2

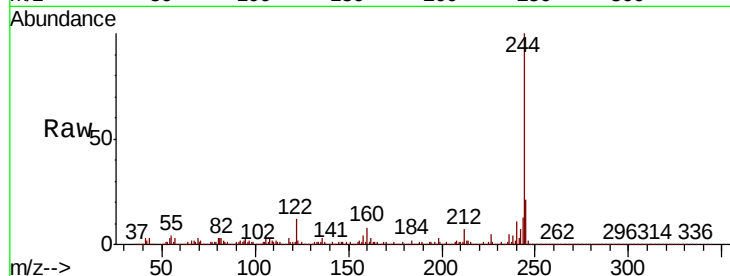
Tot Ion:244 Resp: 2390741

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

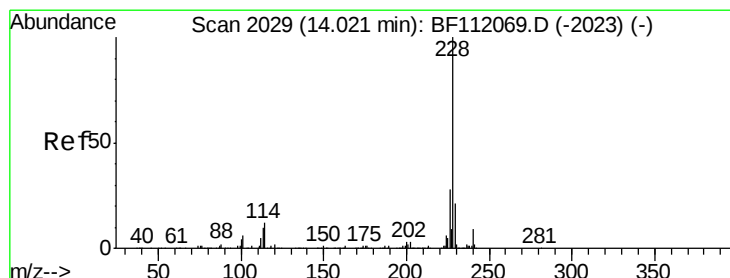
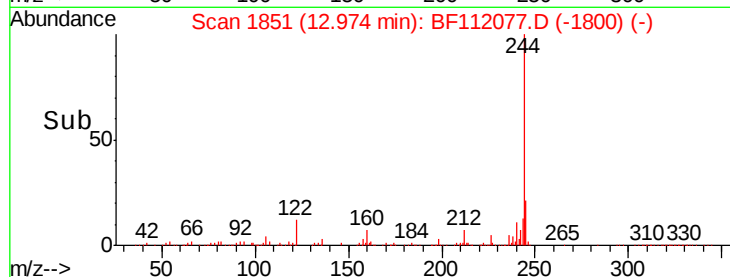
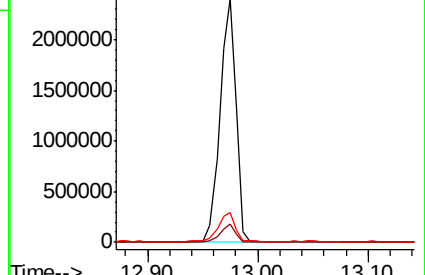
122 12.1 9.8 14.6



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: 2.572 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF112077.D

Acq: 17 Jan 2019 9:32

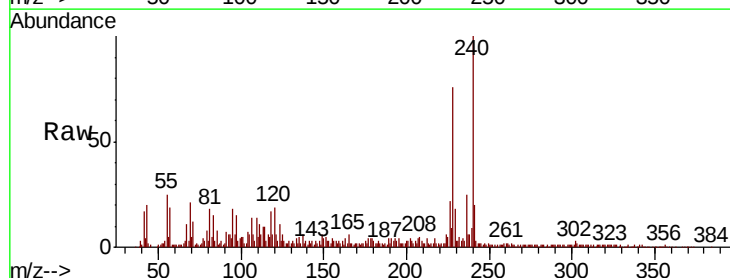
Tgt Ion:228 Resp: 108612

Ion Ratio Lower Upper

228 100

226 29.5 22.6 34.0

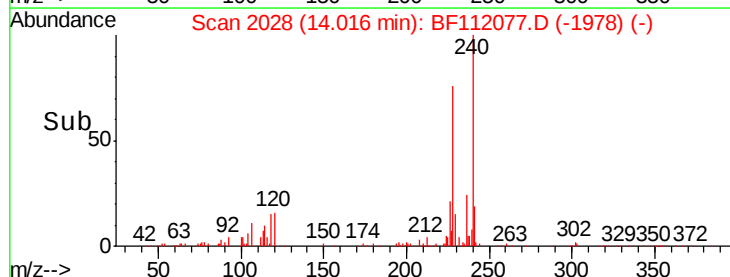
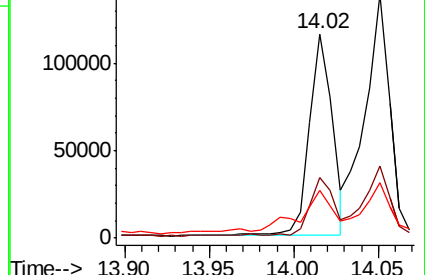
229 23.7 16.5 24.7

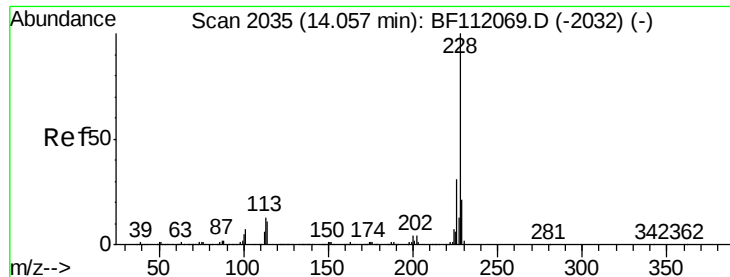


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

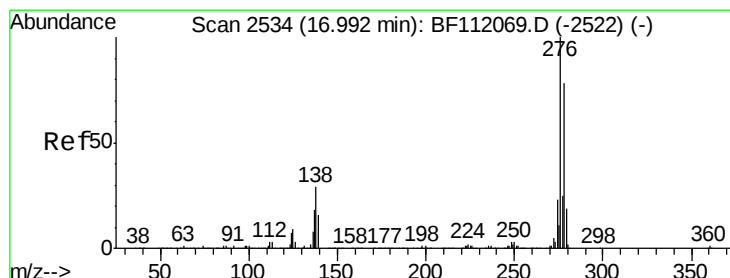
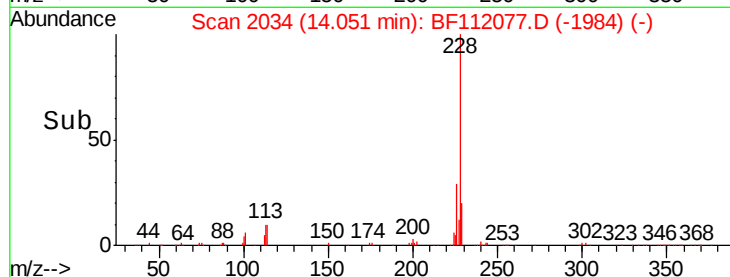
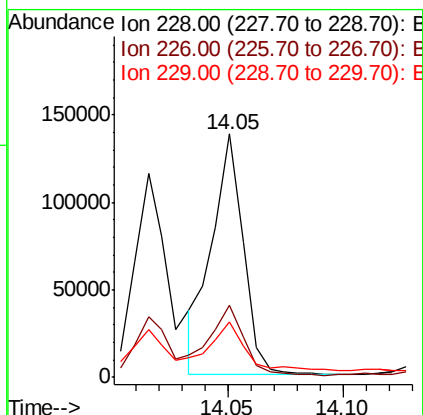
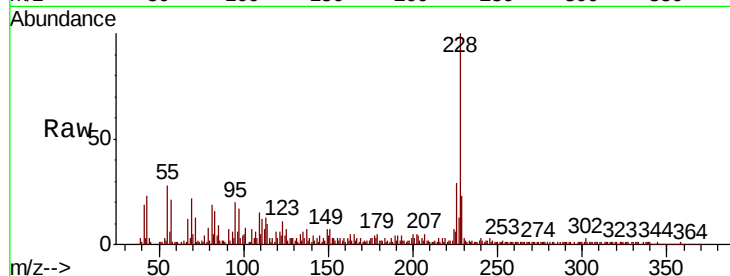




#83
Chrysene
Concen: 3.265 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112077.D
Acq: 17 Jan 2019 9:32

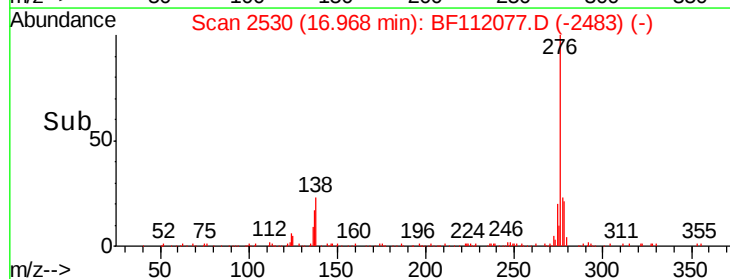
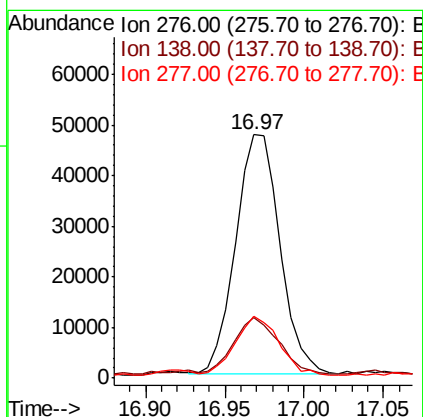
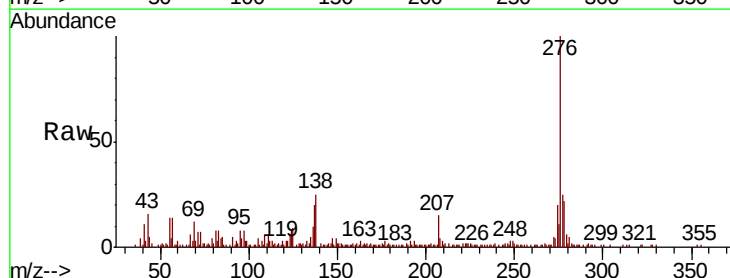
Instrument :
BNA_F
ClientSampleId :
TP-2

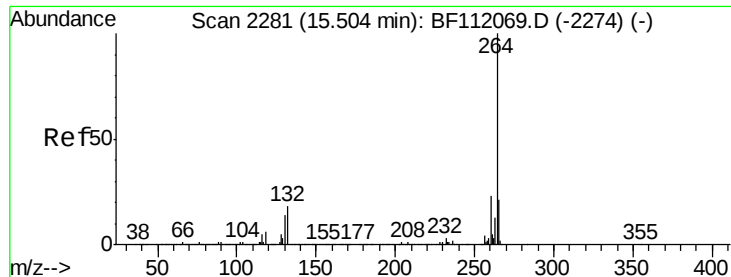
Tot Ion:228 Resp: 130493
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 23.0 16.6 24.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.488 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF112077.D
Acq: 17 Jan 2019 9:32

Tgt Ion:276 Resp: 91729
Ion Ratio Lower Upper
276 100
138 25.1 22.6 34.0
277 24.4 20.3 30.5

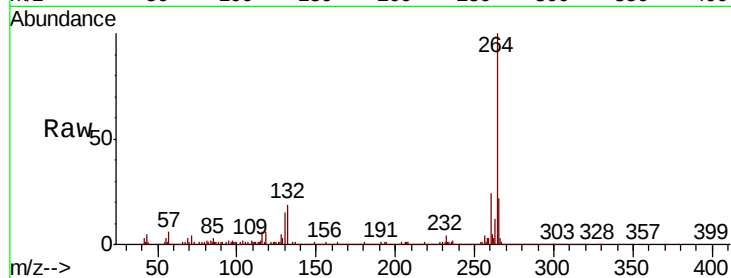




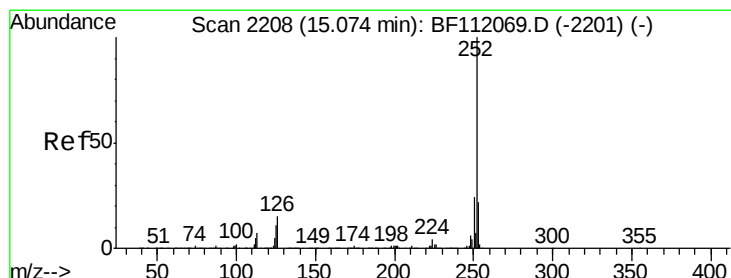
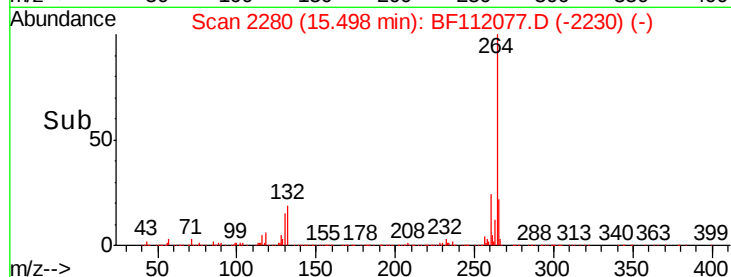
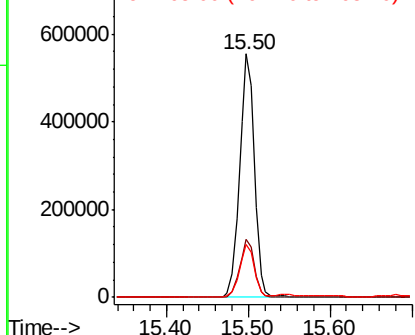
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF112077.D
Acq: 17 Jan 2019 9:32

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion:264 Resp: 695320
Ion Ratio Lower Upper
264 100
260 23.8 18.2 27.2
265 21.9 17.0 25.4

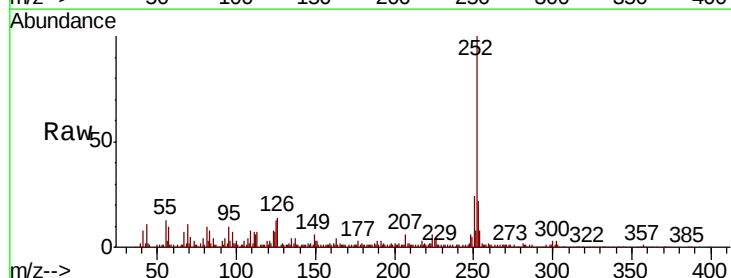


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

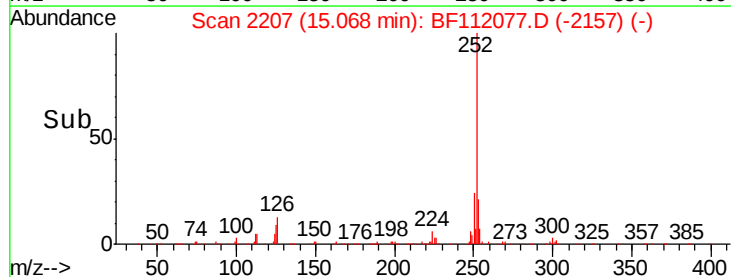
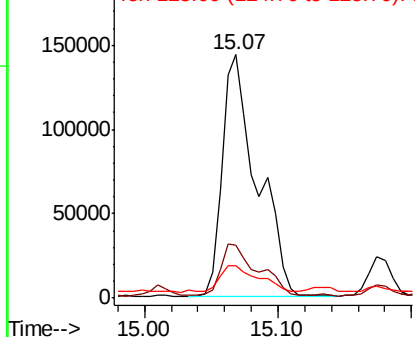


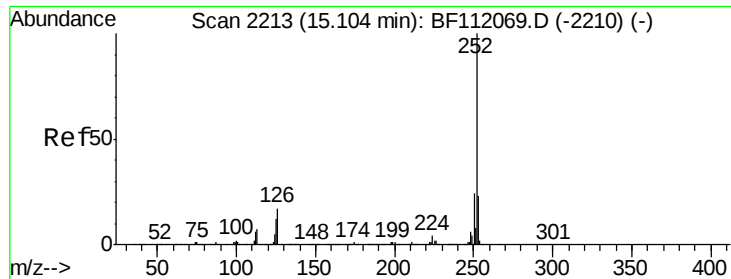
#88
Benzo(b)fluoranthene
Concen: 6.635 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112077.D
Acq: 17 Jan 2019 9:32

Tgt Ion:252 Resp: 261892
Ion Ratio Lower Upper
252 100
253 21.9 18.0 27.0
125 13.2 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

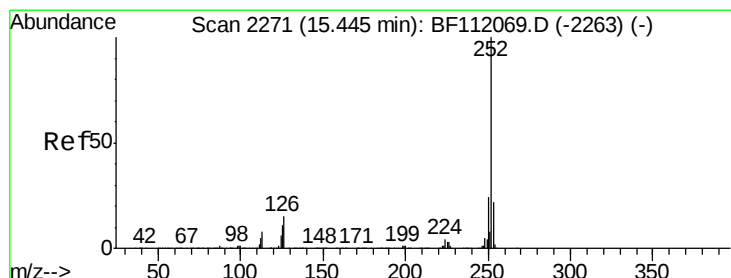
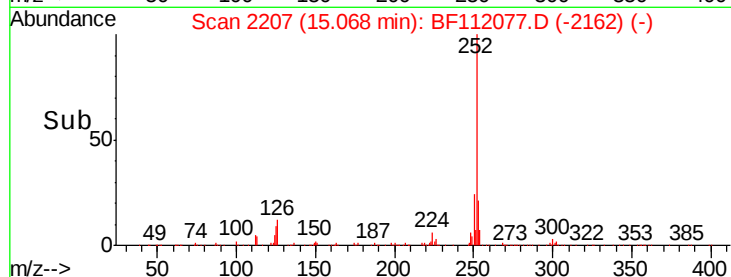
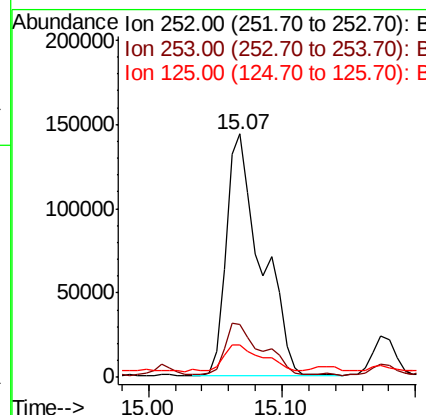
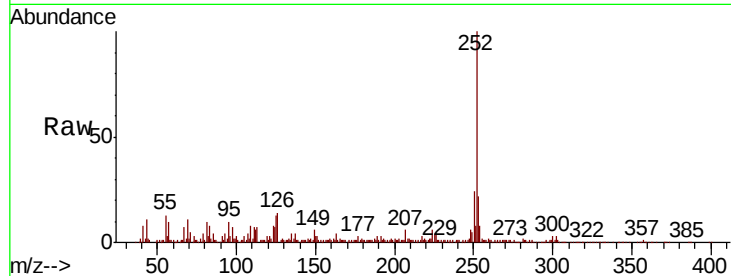




#89
Benzo(k)fluoranthene
Concen: 6.856 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF112077.D
Acq: 17 Jan 2019 9:32

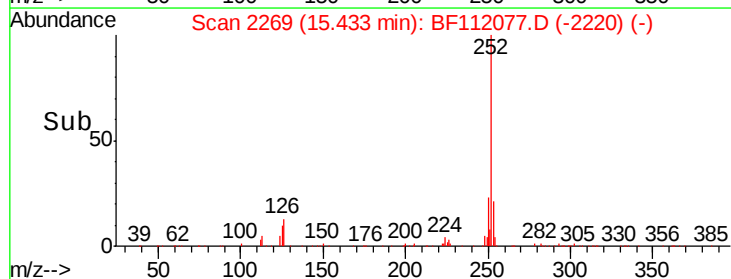
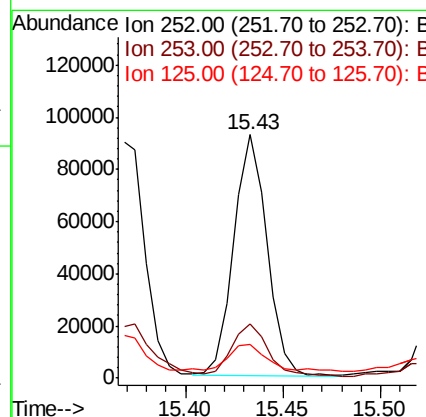
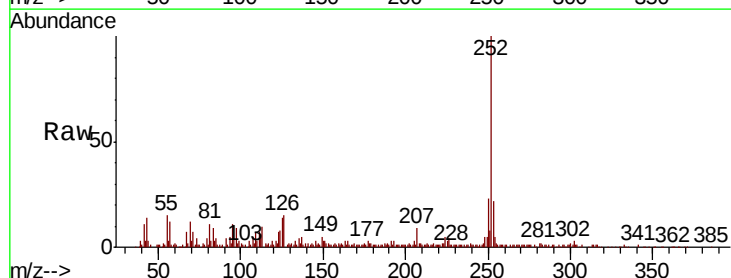
Instrument :
BNA_F
ClientSampleId :
TP-2

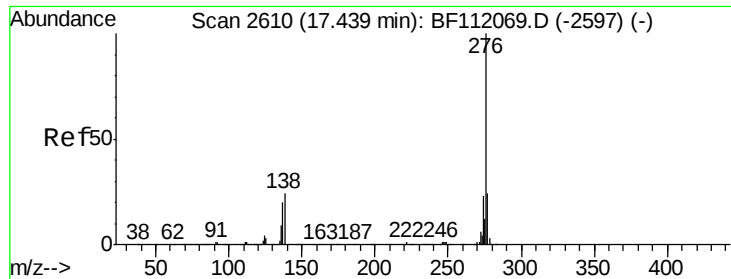
Tot Ion:252	Resp:	261892
Ion Ratio	Lower	Upper
252	100	
253	21.9	18.0 27.0
125	13.2	9.1 13.7



#90
Benzo(a)pyrene
Concen: 3.018 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF112077.D
Acq: 17 Jan 2019 9:32

Tgt Ion:252	Resp:	109241
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.5 26.3
125	14.1	9.0 13.4#





#92
 Benzo(a,h,i)perylene
 Concen: 3.321 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.02 min
 Lab File: BF112077.D
 Acq: 17 Jan 2019 9:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	24.7	19.1	28.7

