

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\
 Data File : BF112597.D
 Acq On : 18 Feb 2019 13:31
 Operator : JU/SJ
 Sample : K1490-01 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 18 14:29:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

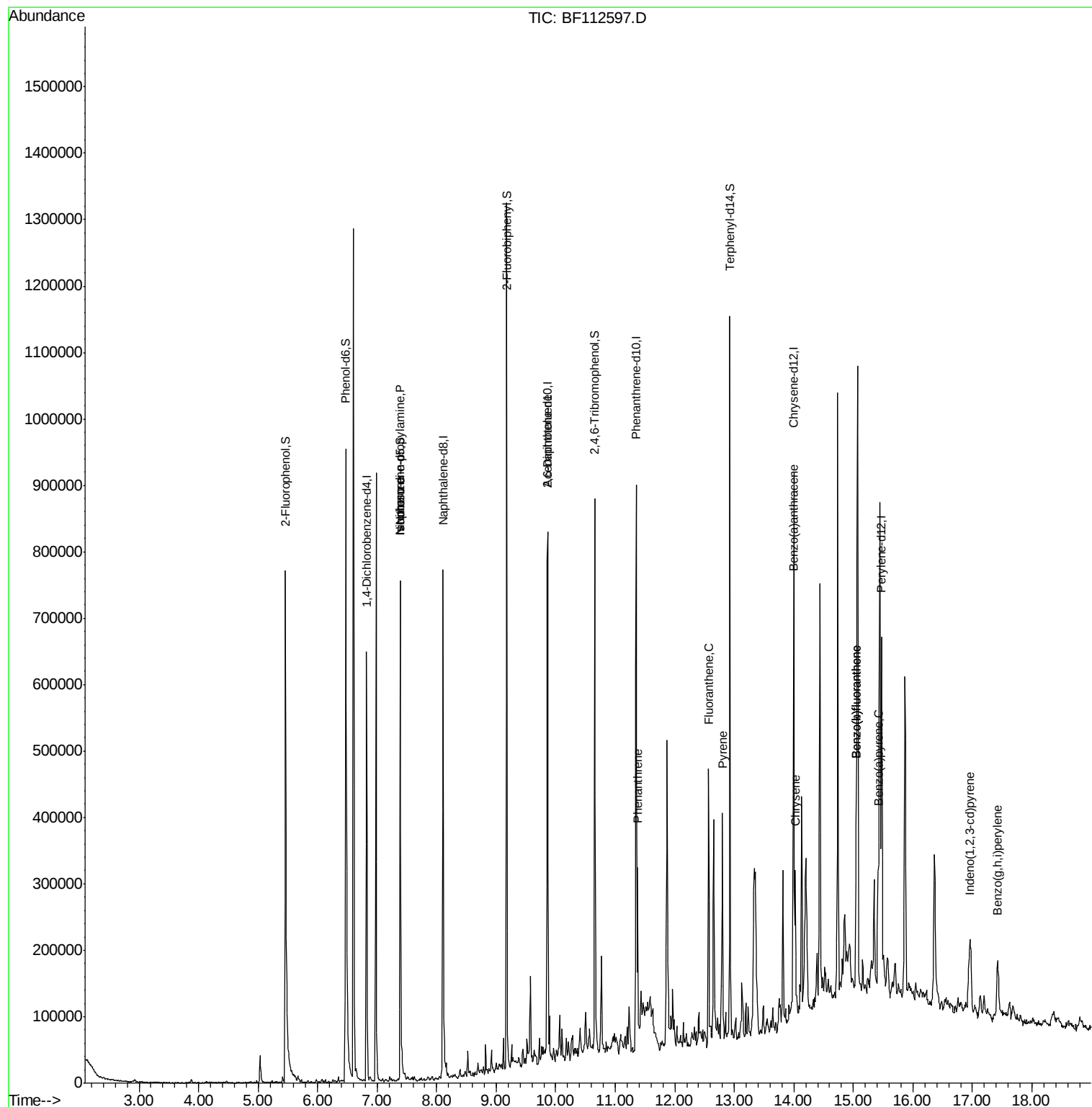
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	91993	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	360642	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	167244	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	292765	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	231742	20.00	ng	-0.01
87) Perylene-d12	15.47	264	249560	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	325074	75.06	ng	-0.02
7) Phenol-d6	6.47	99	415625	69.06	ng	-0.02
23) Nitrobenzene-d5	7.39	82	256127	40.92	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	104328	53.59	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	388404	32.85	ng	-0.03
79) Terphenyl-d14	12.93	244	320832	26.08	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	34223	8.247	ng	# 78
25) Isophorone	7.39	82	256123	26.084	ng	# 63
51) 2,6-Dinitrotoluene	9.86	165	23361	8.027	ng	# 35
71) Phenanthrene	11.37	178	88634	5.823	ng	99
75) Fluoranthene	12.57	202	145540	8.915	ng	95
78) Pyrene	12.80	202	132973	8.288	ng	97
81) Benzo(a)anthracene	13.99	228	92314	6.776	ng	97
83) Chrysene	14.02	228	87855	6.756	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	67098	6.512	ng	# 90
88) Benzo(b)fluoranthene	15.04	252	168697	11.303	ng	99
89) Benzo(k)fluoranthene	15.04	252	168580	11.792	ng	98
90) Benzo(a)pyrene	15.42	252	92805	6.911	ng	96
92) Benzo(a,h,i)perylene	17.43	276	64867	6.353	ng	97

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\
Data File : BF112597.D
Acq On : 18 Feb 2019 13:31
Operator : JU/SJ
Sample : K1490-01 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 18 14:29:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration



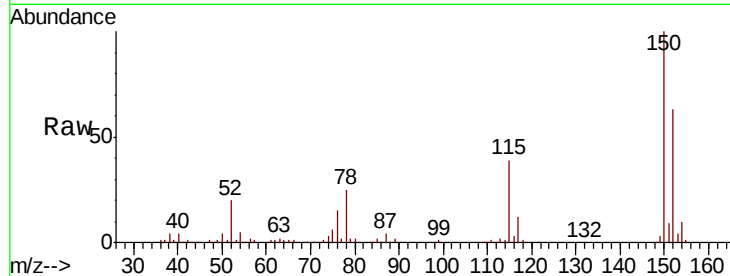


#1

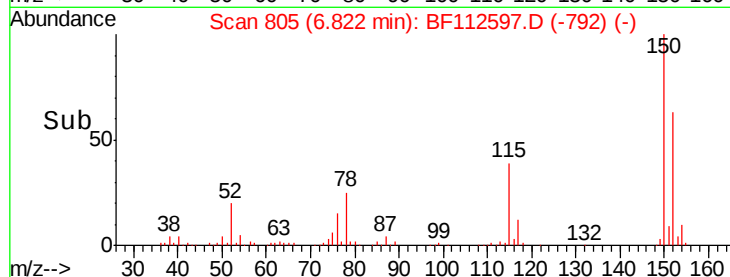
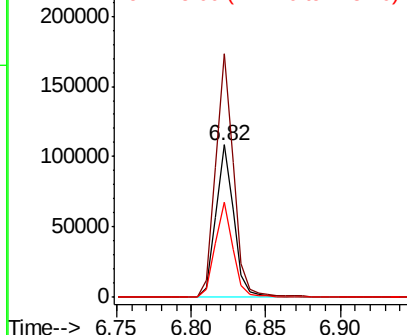
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 91993
Ion Ratio Lower Upper
152 100
150 159.8 127.4 191.0
115 62.5 45.5 68.3



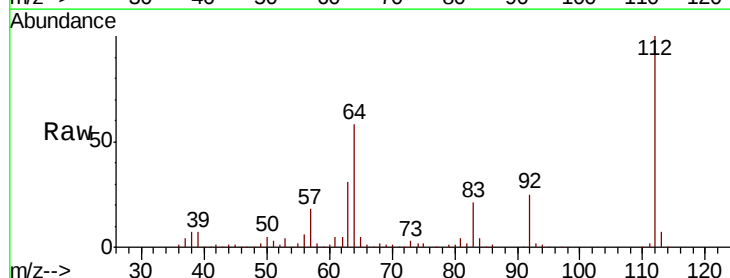
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



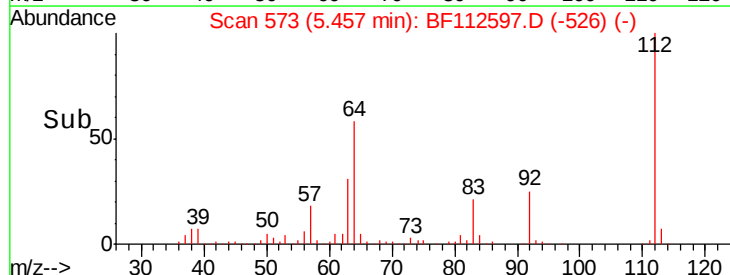
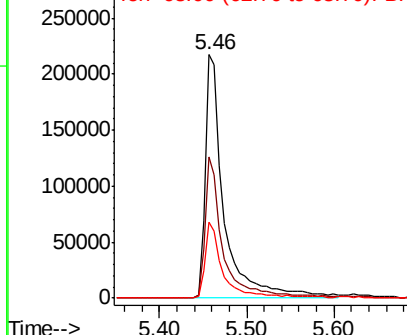
#5

2-Fluorophenol
Concen: 75.058 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Tgt Ion:112 Resp: 325074
Ion Ratio Lower Upper
112 100
64 57.9 45.7 68.5
63 31.3 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: 69.062 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

Instrument :

BNA_F

ClientSampleId :

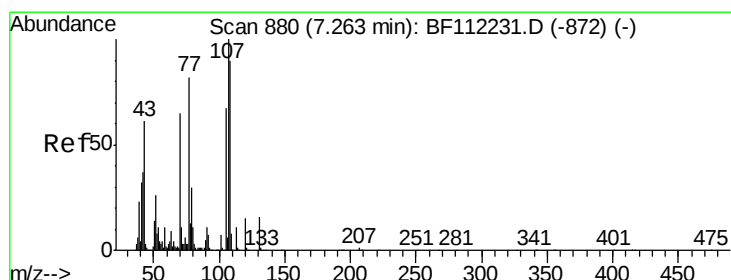
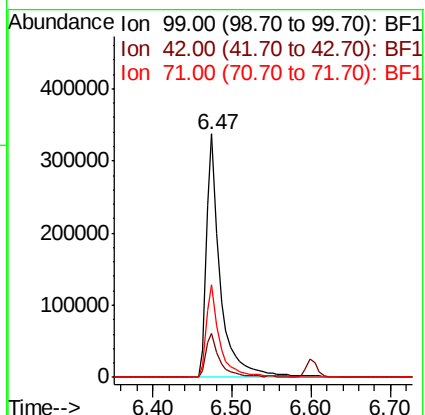
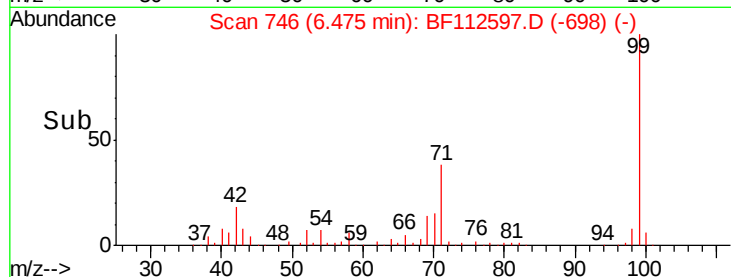
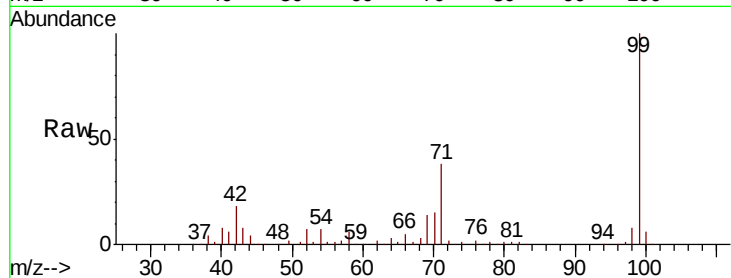
Tot Ion: 99 Resp: 415625

Ion Ratio Lower Upper

99 100

42 18.2 15.1 22.7

71 38.0 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 8.247 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.12 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

Tgt Ion: 70 Resp: 34223

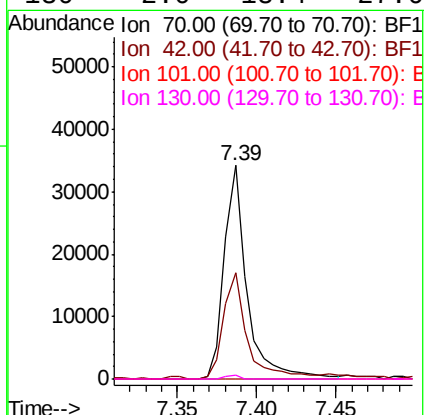
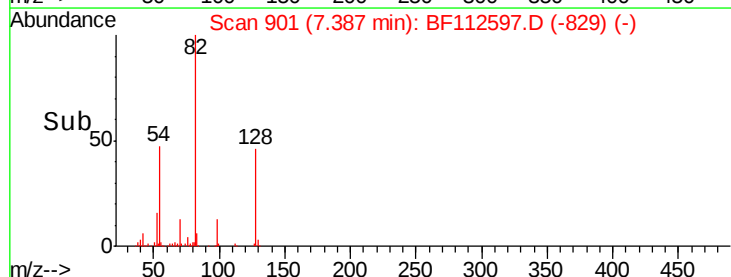
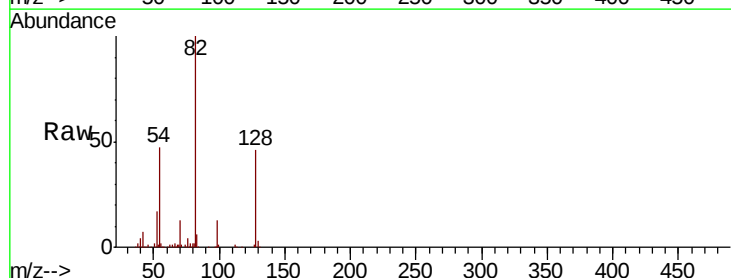
Ion Ratio Lower Upper

70 100

42 49.9 47.6 71.4

101 0.0 7.9 11.9#

130 2.0 18.4 27.6#

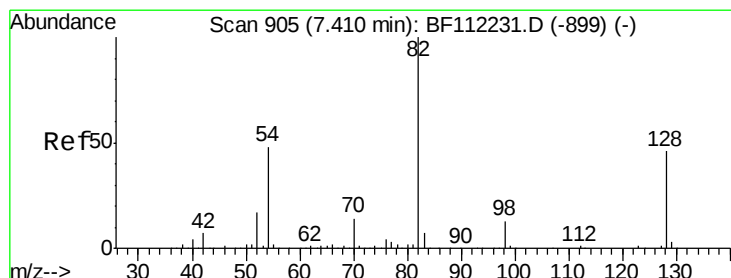
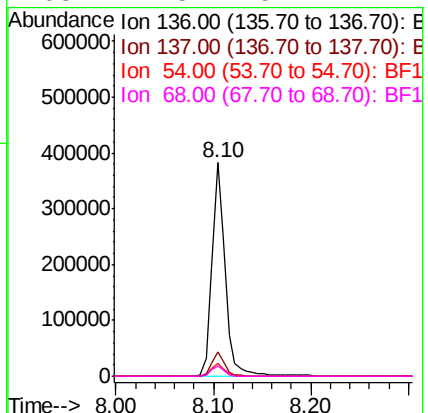
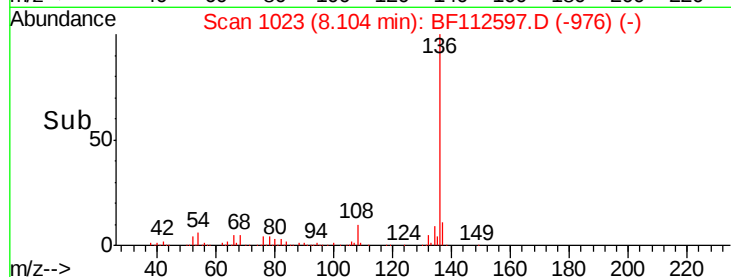
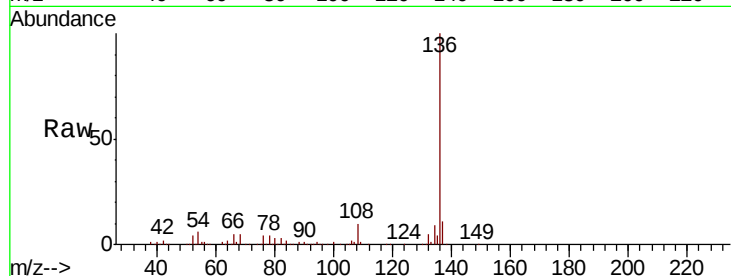




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

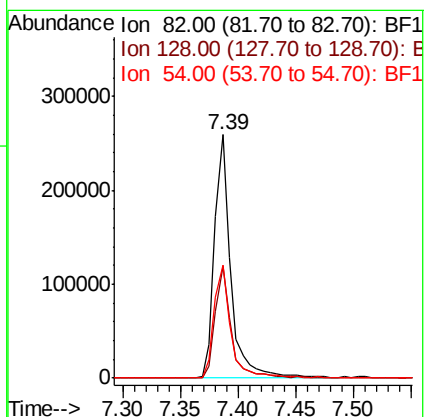
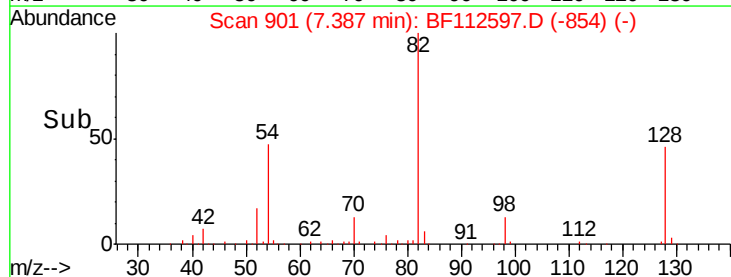
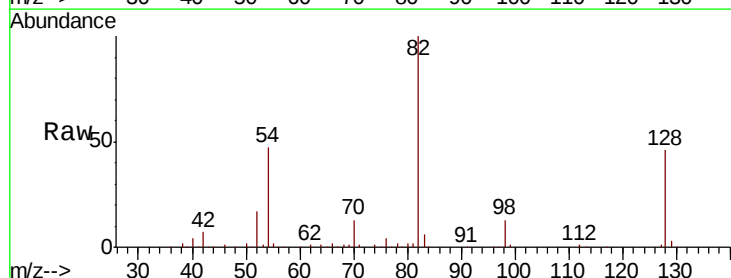
Instrument :
BNA_F
ClientSampled :

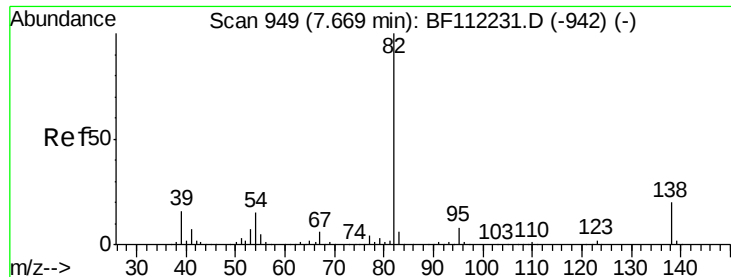
Tot Ion:136	Resp:	360642
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.1 13.7
54	6.2	5.9 8.9
68	4.5	5.1 7.7#



#23
Nitrobenzene-d5
Concen: 40.921 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.02 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Tgt Ion: 82	Resp:	256127
Ion Ratio	Lower	Upper
82	100	
128	45.7	37.8 56.8
54	46.6	39.7 59.5





#25

Isophorone

Concen: 26.084 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.28 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

Instrument :

BNA_F

ClientSampleId :

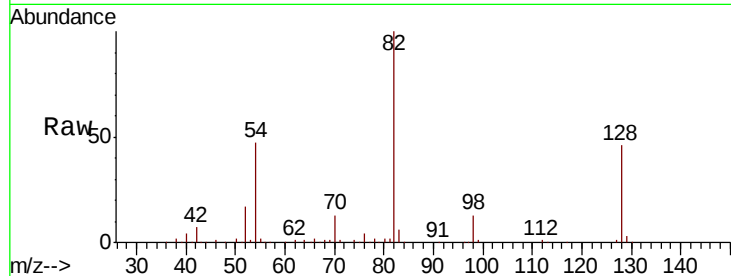
Tot Ion: 82 Resp: 256123

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

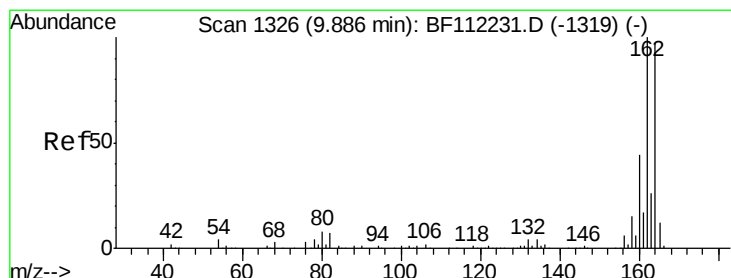
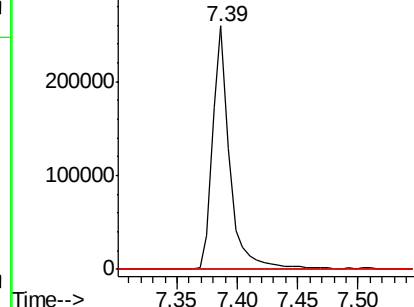
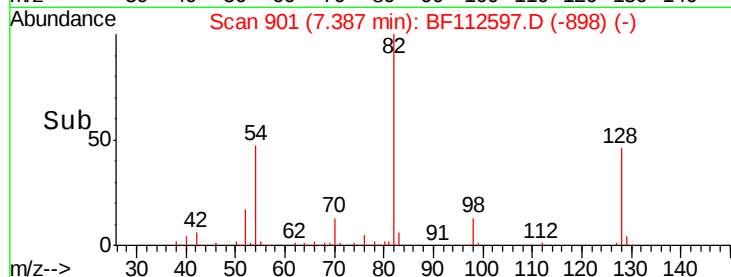
138 0.0 15.4 23.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

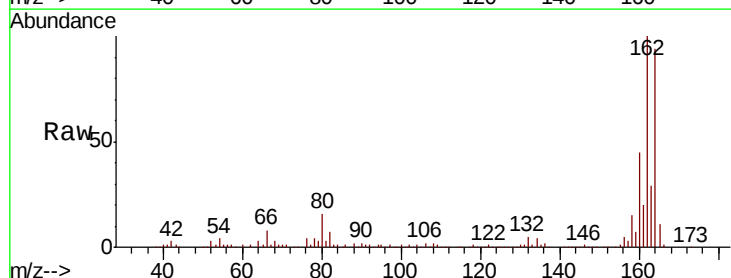
Tgt Ion:164 Resp: 167244

Ion Ratio Lower Upper

164 100

162 106.6 82.2 123.4

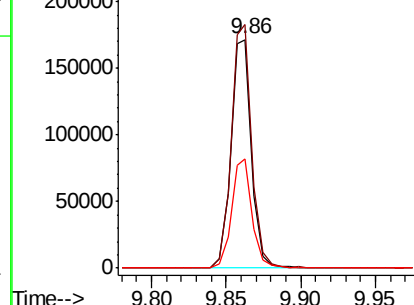
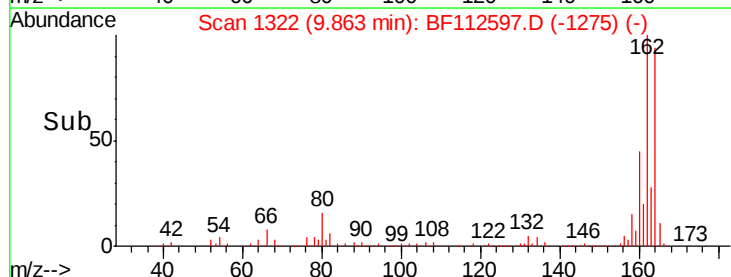
160 47.6 36.2 54.4



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

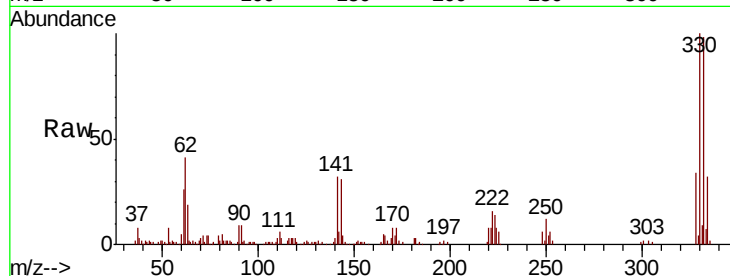




#42
 2,4,6-Tribromophenol
 Concen: 53.593 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF112597.D
 Acq: 18 Feb 2019 13:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	114.8
141	36.1	24.3	36.5

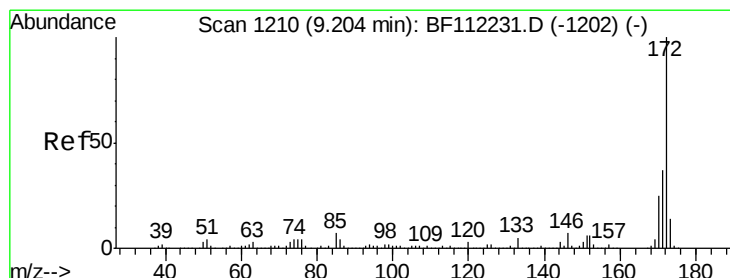
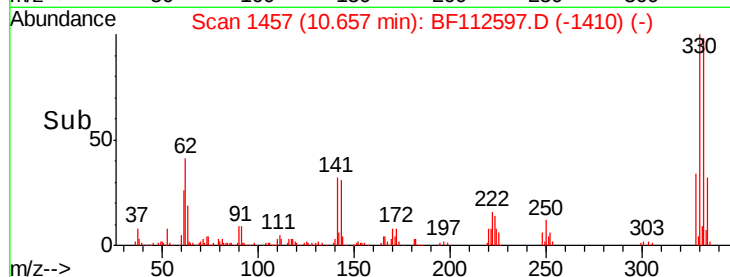
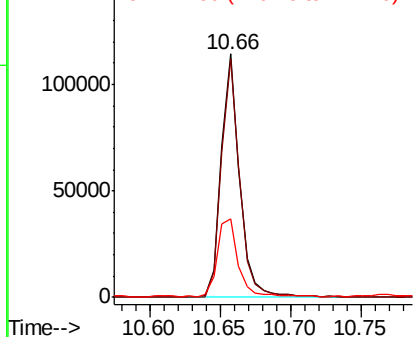


Abundance

Ion 329.80 (329.50 to 330.50): E

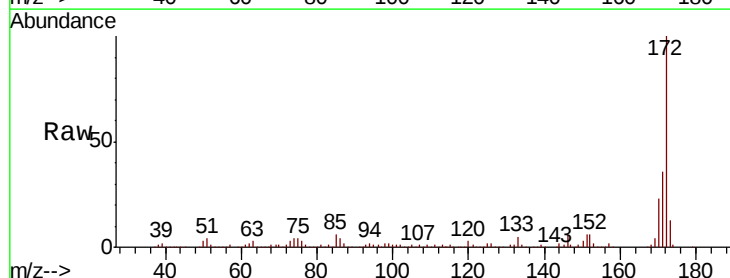
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 32.846 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF112597.D
 Acq: 18 Feb 2019 13:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.5	45.7
170	22.7	20.2	30.4

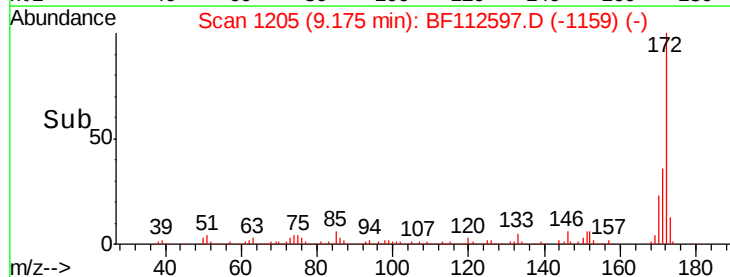
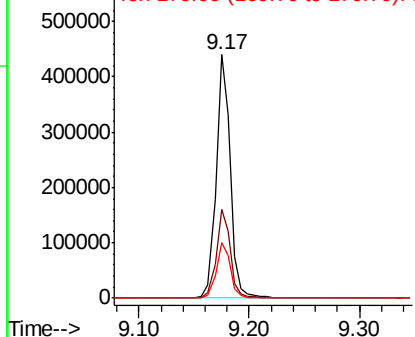


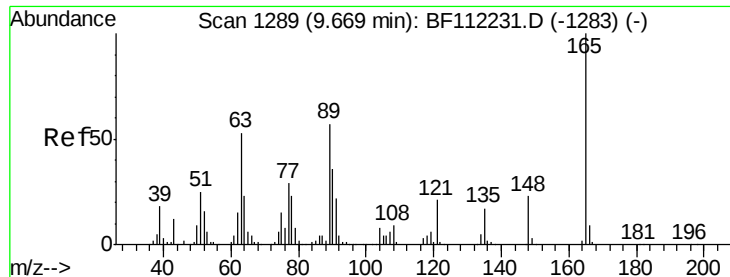
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 8.027 ng

RT: 9.86 min Scan# 1321

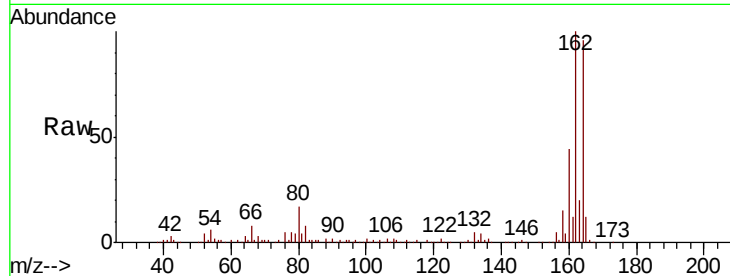
Delta R.T. 0.19 min

Lab File: BF112597.D

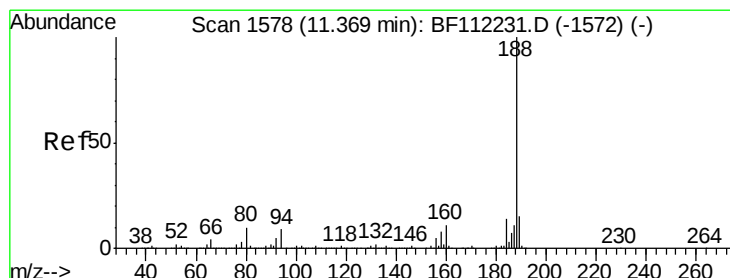
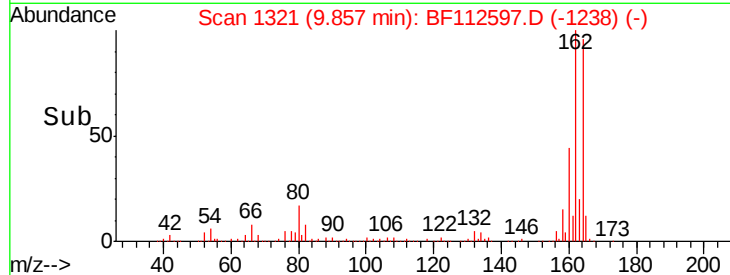
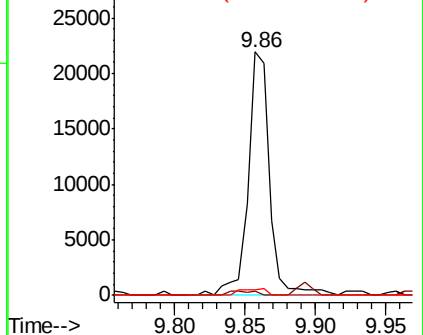
Acq: 18 Feb 2019 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	23361
Ion Ratio	Lower	Upper
165	100	
63	1.5	33.8 50.8#
89	2.2	36.9 55.3#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

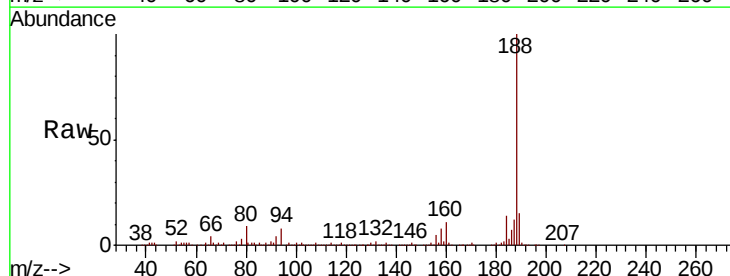
RT: 11.35 min Scan# 1575

Delta R.T. -0.02 min

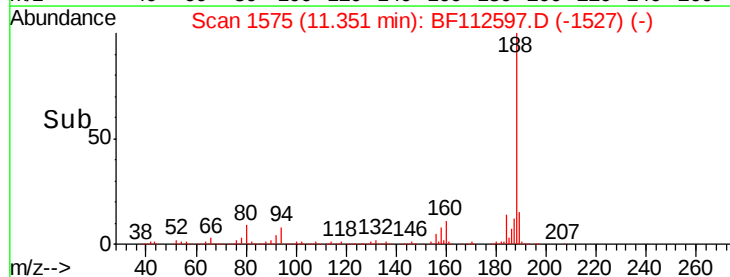
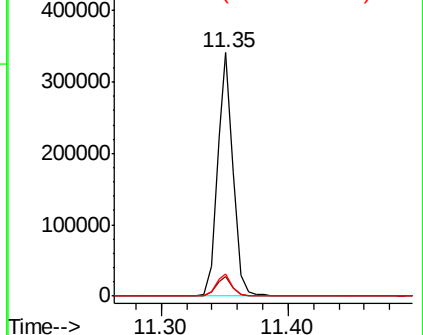
Lab File: BF112597.D

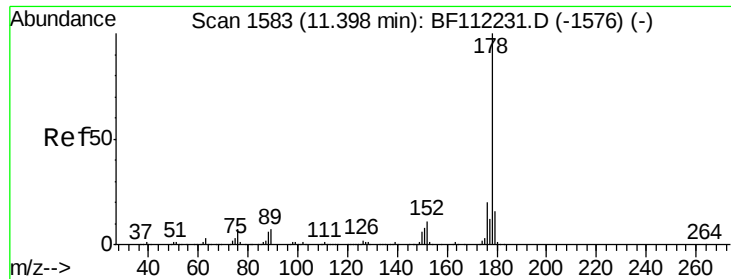
Acq: 18 Feb 2019 13:31

Tgt Ion:188	Resp:	292765
Ion Ratio	Lower	Upper
188	100	
94	8.2	8.2 12.2#
80	9.1	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





#71

Phenanthrene

Concen: 5.823 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.02 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

Instrument :

BNA_F

ClientSampled :

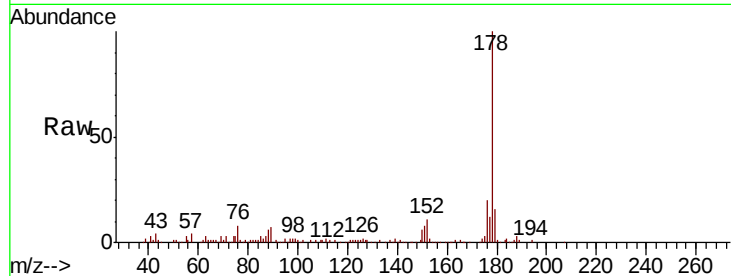
Tot Ion:178 Resp: 88634

Ion Ratio Lower Upper

178 100

176 19.8 16.3 24.5

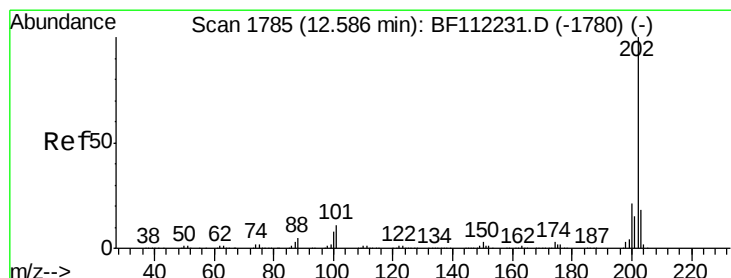
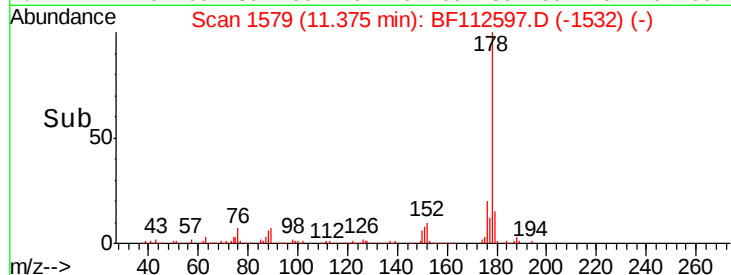
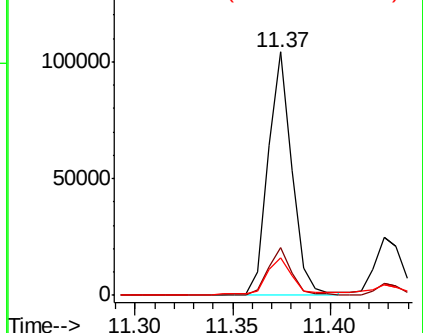
179 15.6 13.0 19.4



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: 8.915 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

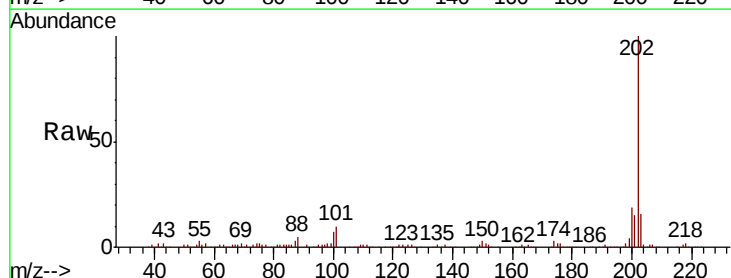
Tgt Ion:202 Resp: 145540

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.8

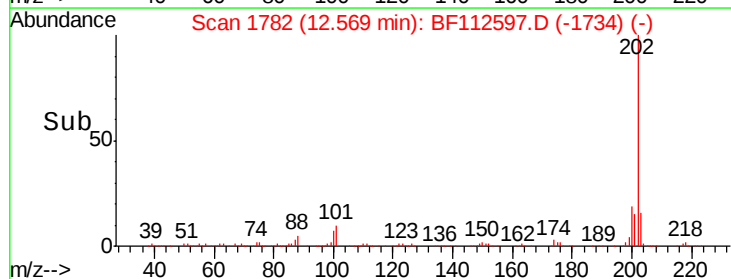
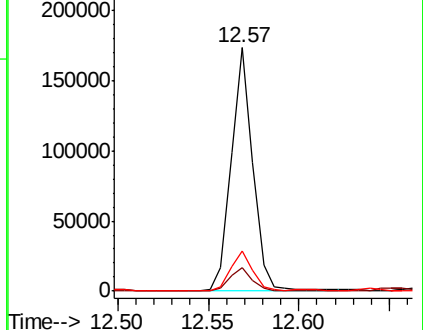
203 16.4 0.0 38.4

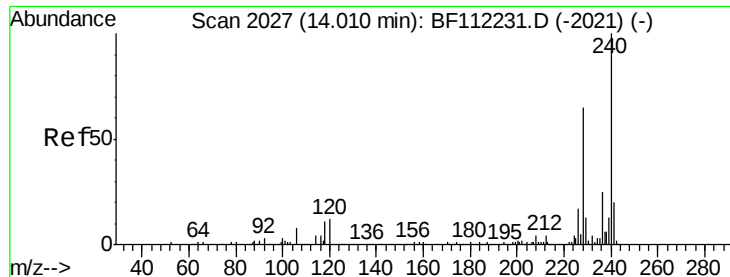


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

Instrument :

BNA_F

ClientSampleId :

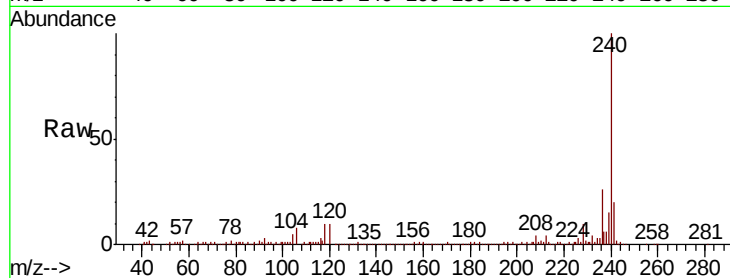
Tot Ion:240 Resp: 231742

Ion Ratio Lower Upper

240 100

120 10.4 9.0 13.6

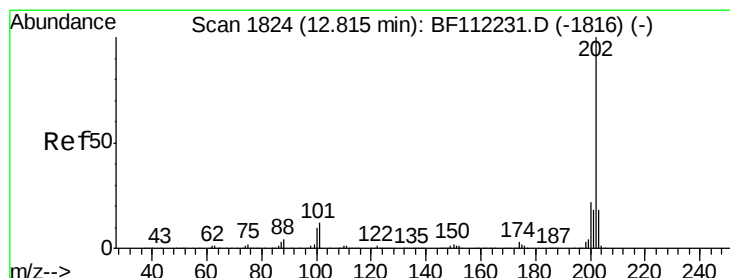
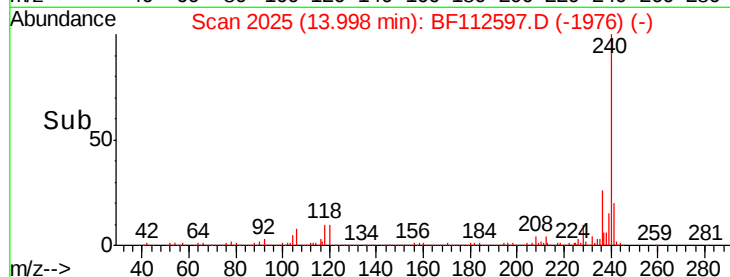
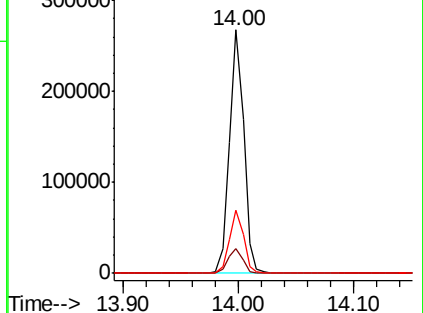
236 25.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 8.288 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.02 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

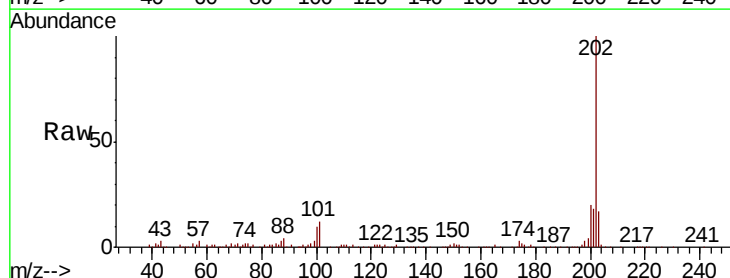
Tgt Ion:202 Resp: 132973

Ion Ratio Lower Upper

202 100

200 19.9 17.7 26.5

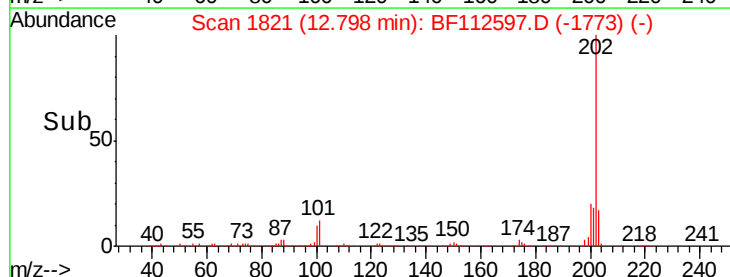
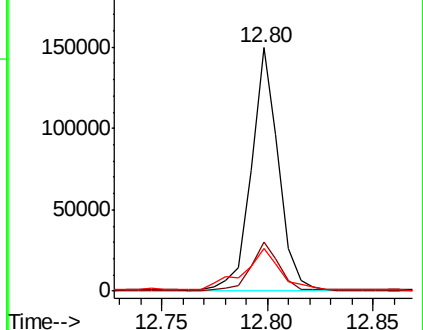
203 17.4 14.6 22.0



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

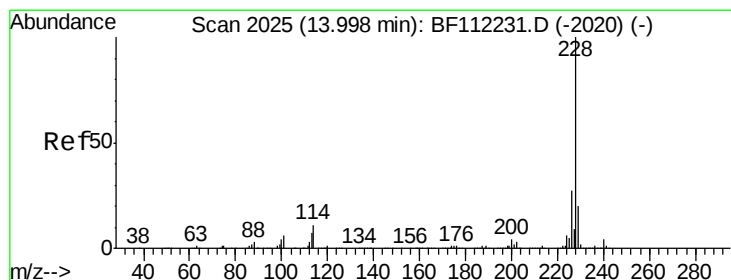
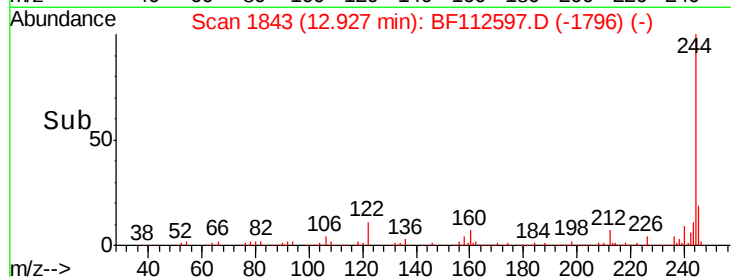
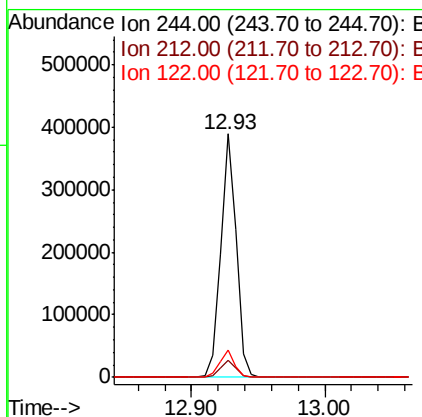
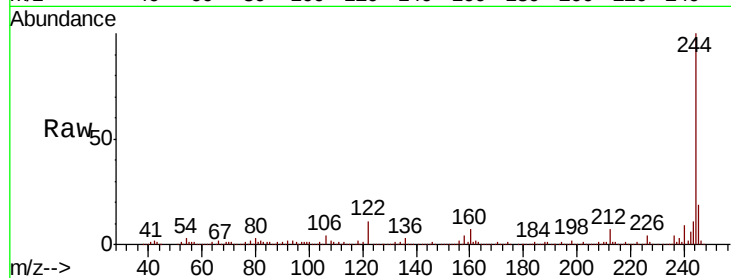




#79
 Terphenyl-d14
 Concen: 26.075 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.02 min
 Lab File: BF112597.D
 Acq: 18 Feb 2019 13:31

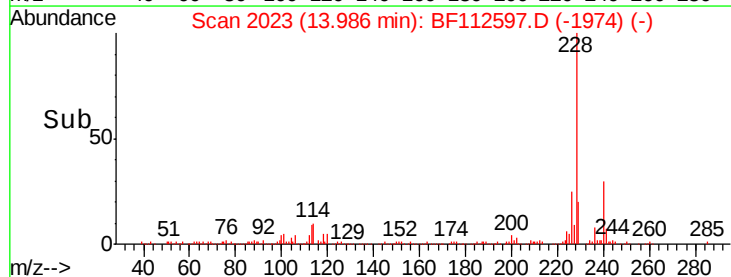
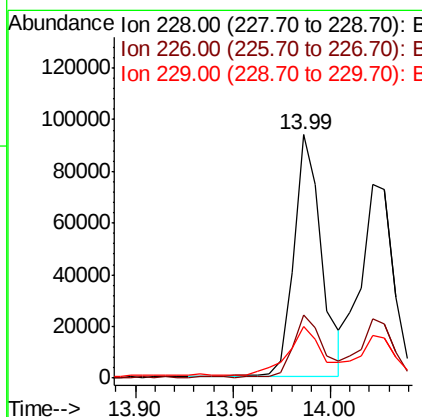
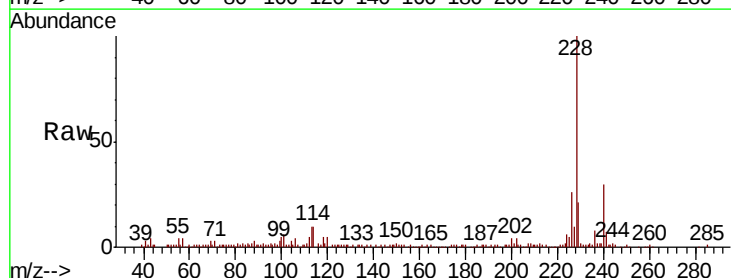
Instrument :
 BNA_F
 ClientSampled :

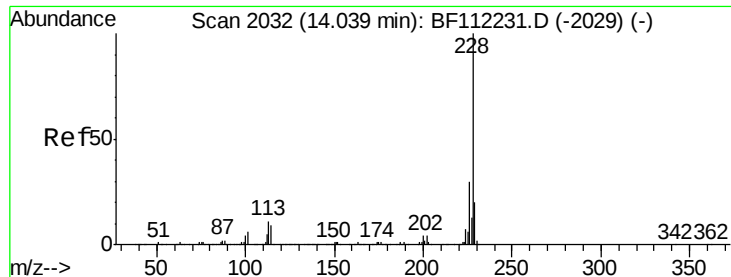
Tot Ion:244 Resp: 320832
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 11.3 9.8 14.6



#81
 Benzo(a)anthracene
 Concen: 6.776 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF112597.D
 Acq: 18 Feb 2019 13:31

Tgt Ion:228 Resp: 92314
 Ion Ratio Lower Upper
 228 100
 226 26.0 22.6 34.0
 229 21.0 16.5 24.7

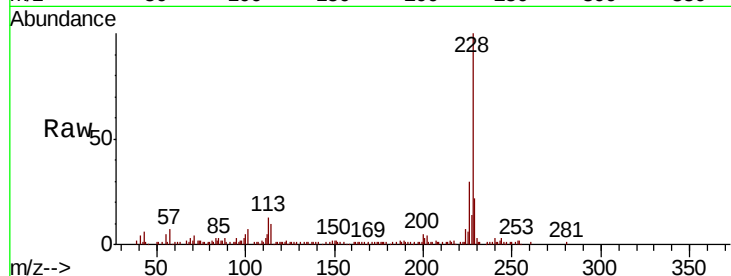




#83
Chrysene
Concen: 6.756 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.9	16.6	24.8

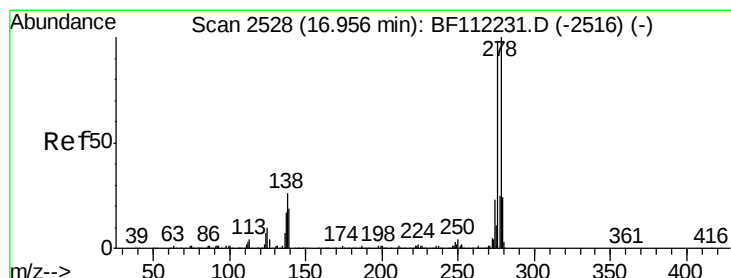
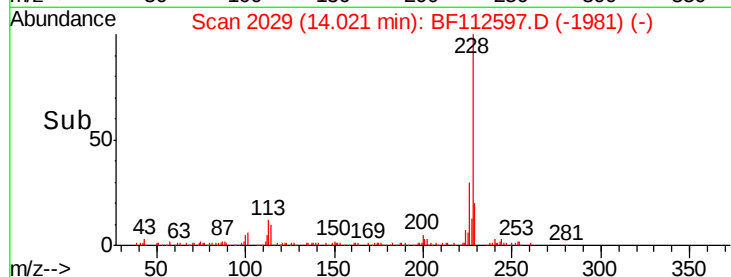
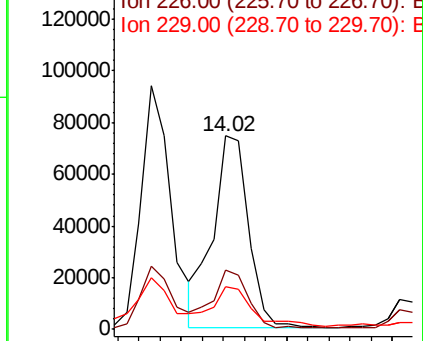


Abundance

Ion 228.00 (227.70 to 228.70): E

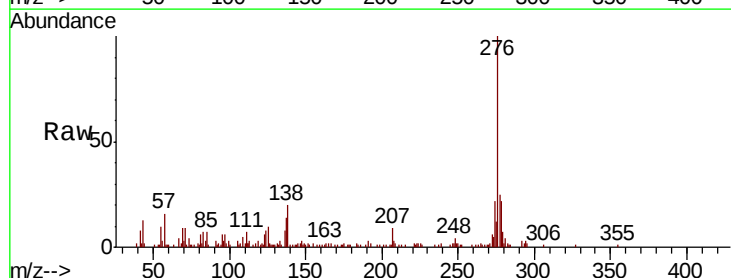
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.512 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	22.6	34.0#
277	23.3	20.3	30.5

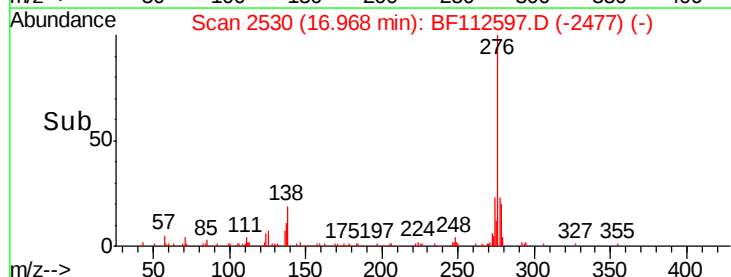
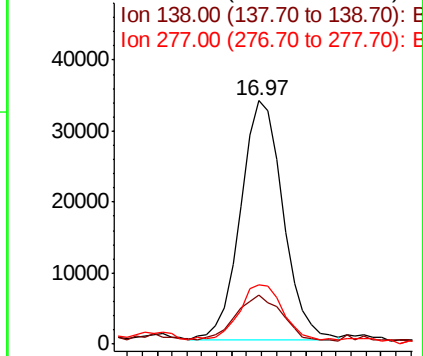


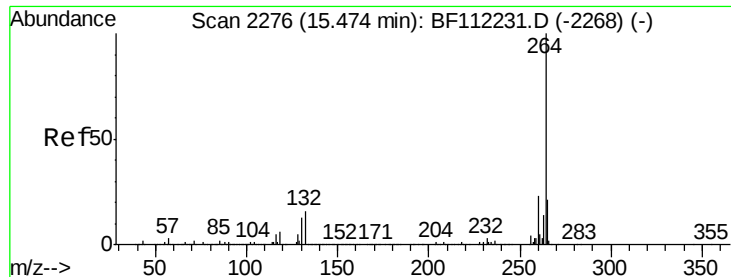
Abundance

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

Instrument :

BNA_F

ClientSampled :

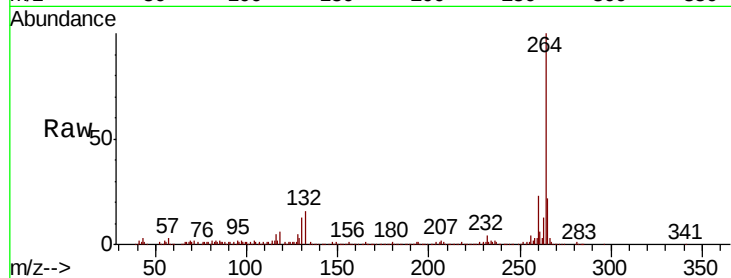
Tot Ion:264 Resp: 249560

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.2

265 21.8 17.0 25.4

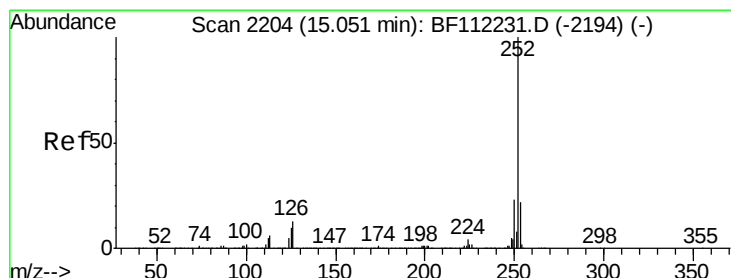
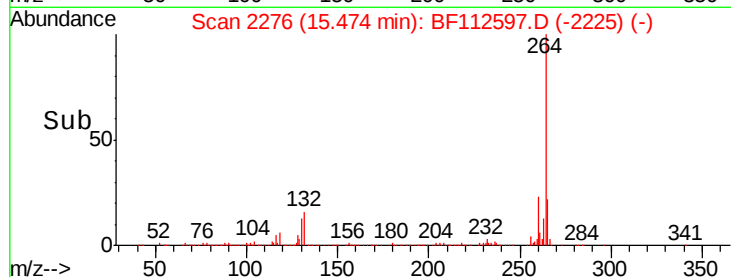
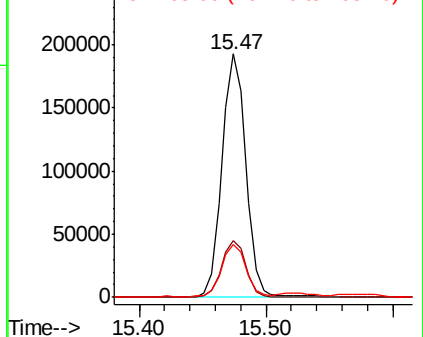


Abundance

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: 11.303 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

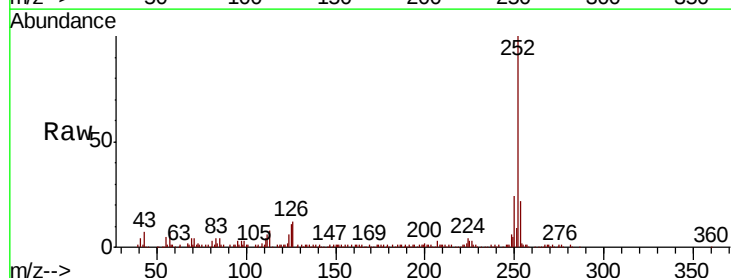
Tgt Ion:252 Resp: 168697

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

125 10.9 8.7 13.1

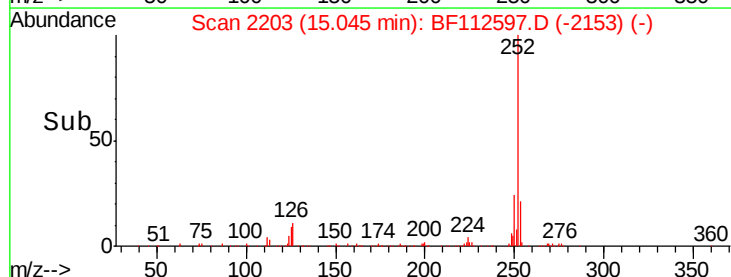
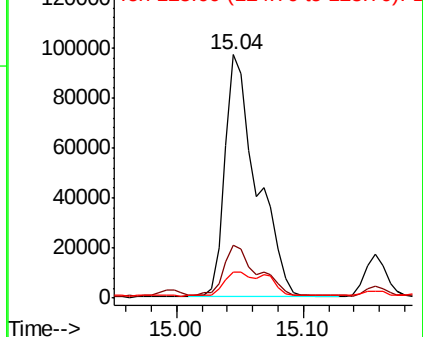


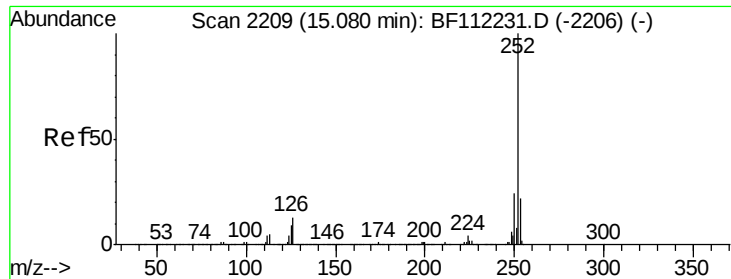
Abundance

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

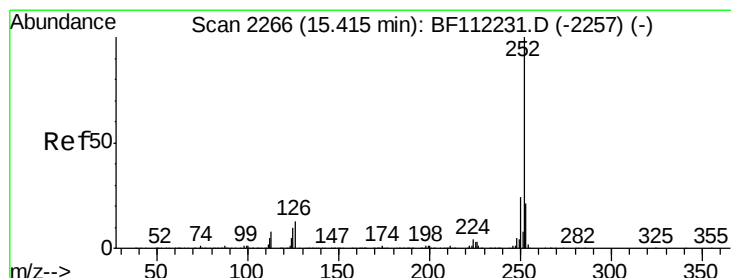
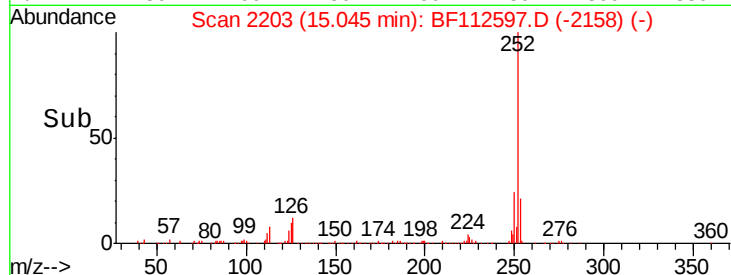
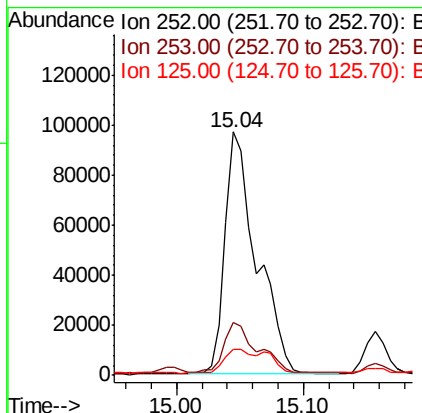
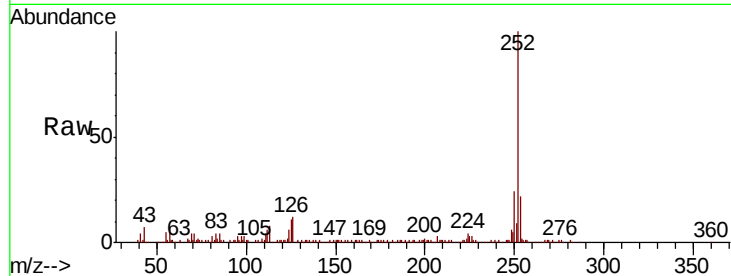




#89
Benzo(k)fluoranthene
Concen: 11.792 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

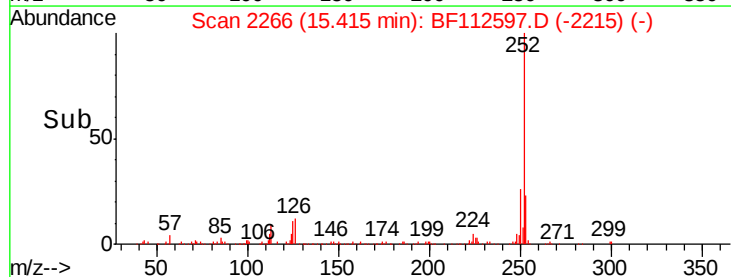
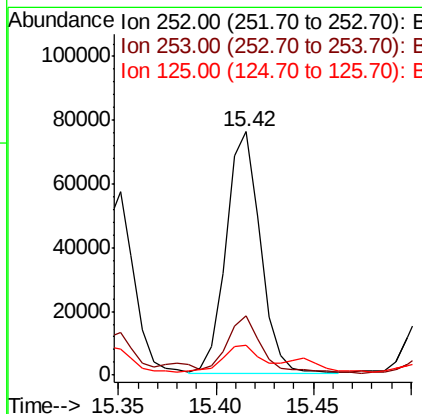
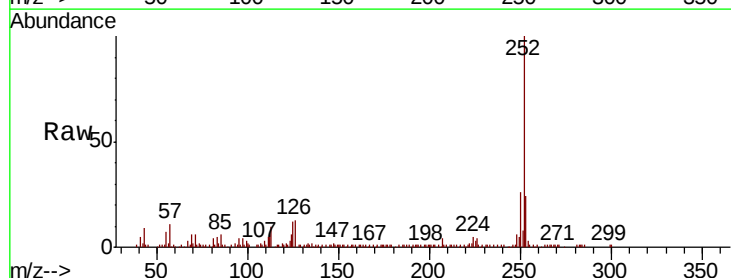
Instrument :
BNA_F
ClientSampleId :

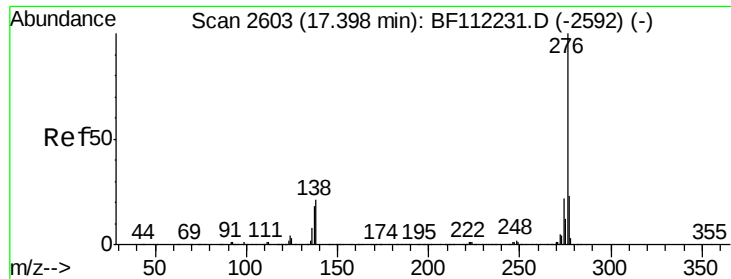
Tot Ion:252 Resp: 168580
Ion Ratio Lower Upper
252 100
253 21.7 18.0 27.0
125 10.9 9.1 13.7



#90
Benzo(a)pyrene
Concen: 6.911 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Tgt Ion:252 Resp: 92805
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 12.1 9.0 13.4

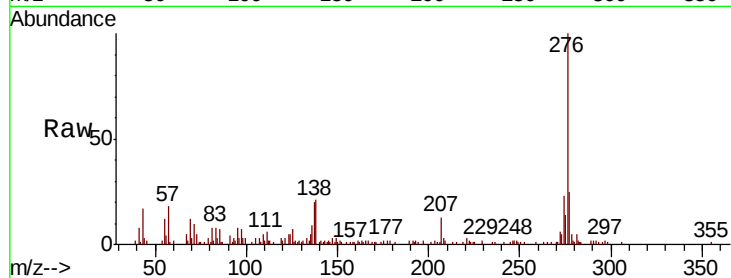




#92
 Benzo(a,h,i)perylene
 Concen: 6.353 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.03 min
 Lab File: BF112597.D
 Acq: 18 Feb 2019 13:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.4	29.0
138	20.9	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

