

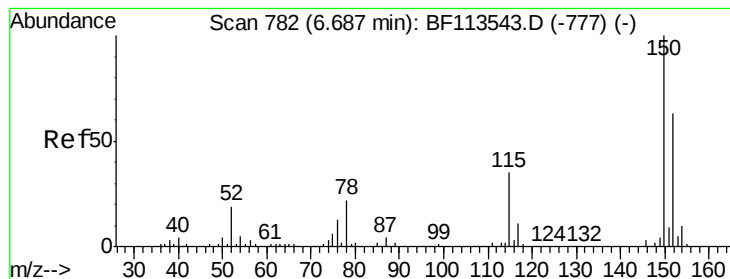
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040419\
 Data File : BF113609.D
 Acq On : 5 Apr 2019 3:45
 Operator : JU/SJ
 Sample : K2240-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 05 06:54:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	119196	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	412009	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	171547	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	325321	20.00	ng	0.00
76) Chrysene-d12	13.83	240	204249	20.00	ng	-0.02
87) Perylene-d12	15.23	264	167027	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	674538	96.50	ng	0.00
7) Phenol-d6	6.34	99	857002	99.48	ng	0.00
23) Nitrobenzene-d5	7.25	82	407754	57.97	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	189044	91.74	ng	-0.01
45) 2-Fluorobiphenyl	9.04	172	809285	75.95	ng	-0.01
79) Terphenyl-d14	12.77	244	717281	71.50	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	52008	9.790	ng	# 76
25) Isophorone	7.25	82	407804	30.097	ng	# 64
50) Dimethylphthalate	9.43	163	111756	8.838	ng	99
57) 2,4-Dinitrotoluene	9.72	165	22164	6.575	ng	# 23
67) 4-Bromophenyl-phenylether	10.50	248	10523	2.884	ng	# 1
75) Fluoranthene	12.40	202	54737	3.160	ng	97
78) Pyrene	12.63	202	48122	3.096	ng	98
81) Benzo(a)anthracene	13.82	228	24489	2.078	ng	93
83) Chrysene	13.82	228	24489	2.050	ng	96
88) Benzo(b)fluoranthene	14.84	252	42655	4.172	ng	# 73
89) Benzo(k)fluoranthene	14.84	252	42655	4.649	ng	# 71
90) Benzo(a)pyrene	15.18	252	20363	2.241	ng	# 71

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

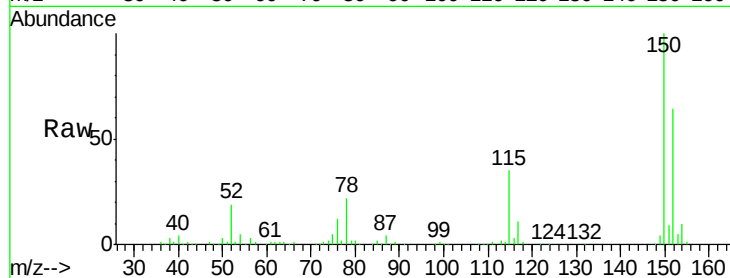


#1

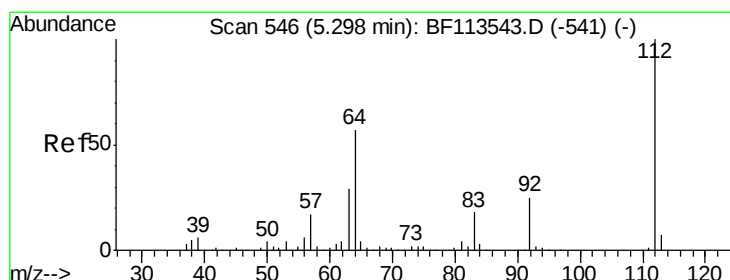
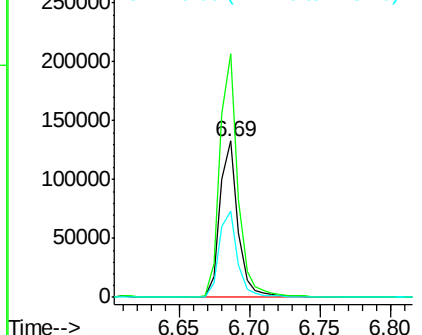
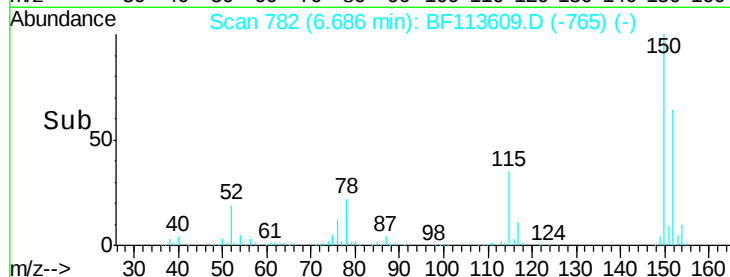
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.00 min
Lab File: BF113609.D
Acq: 5 Apr 2019 3:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.7	187.1
115	54.8	46.0	69.0



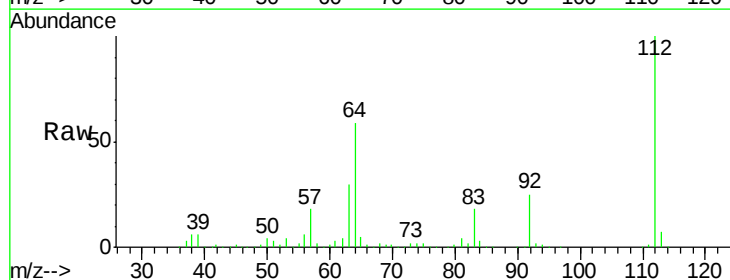
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



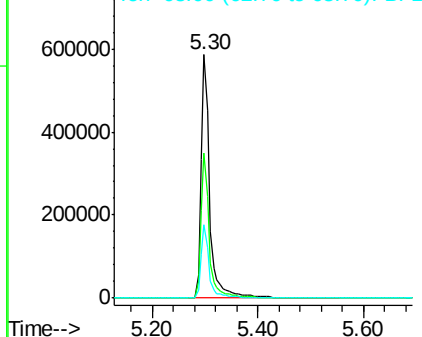
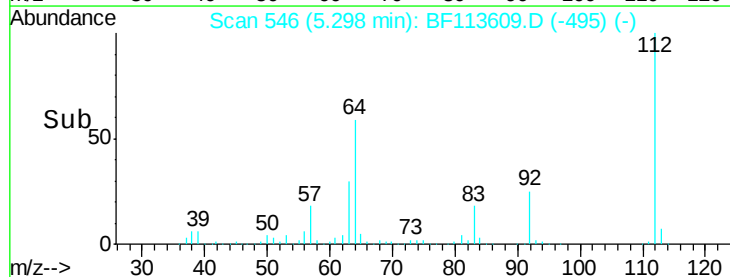
#5

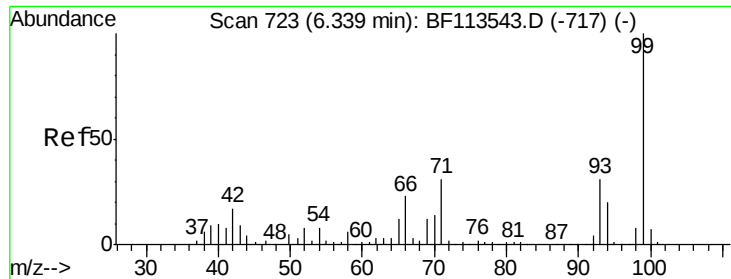
2-Fluorophenol
Concen: 96.500 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.00 min
Lab File: BF113609.D
Acq: 5 Apr 2019 3:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	49.2	73.8
63	30.3	24.9	37.3



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: 99.475 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF113609.D

Acq: 5 Apr 2019 3:45

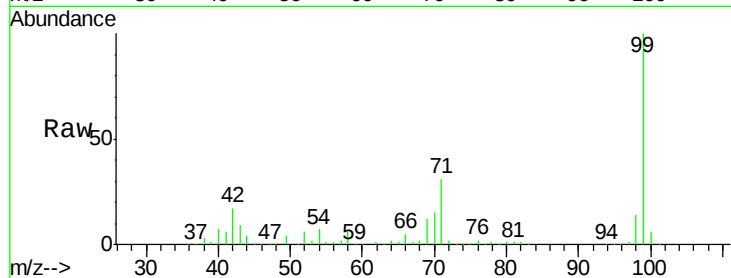
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 857002

Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.8	22.2
71	30.9	24.9	37.3

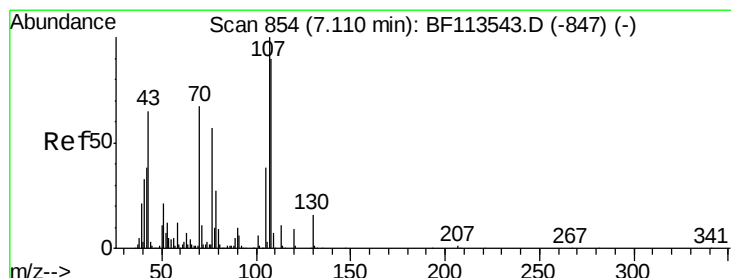
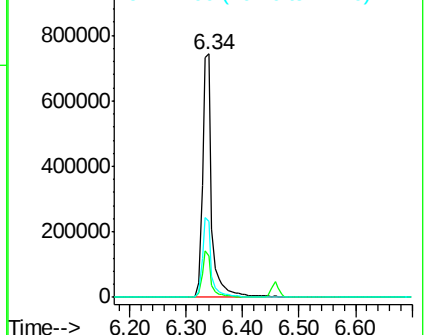
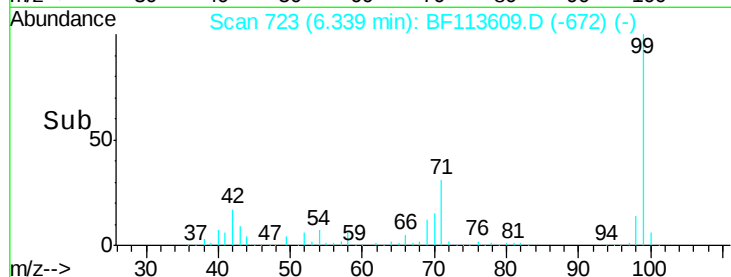


Abundance

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: 9.790 ng

RT: 7.25 min Scan# 878

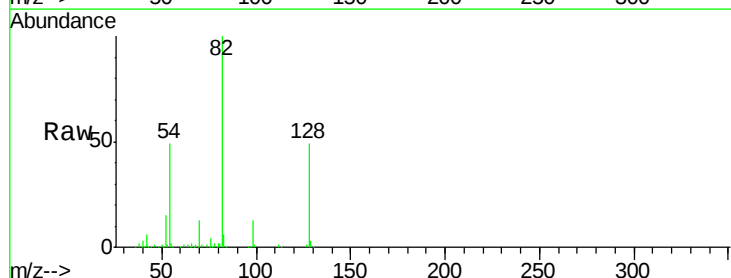
Delta R.T. 0.14 min

Lab File: BF113609.D

Acq: 5 Apr 2019 3:45

Tgt Ion: 70 Resp: 52008

Ion	Ratio	Lower	Upper
70	100		
42	47.3	48.4	72.6#
101	0.0	7.8	11.8#
130	2.5	18.2	27.4#



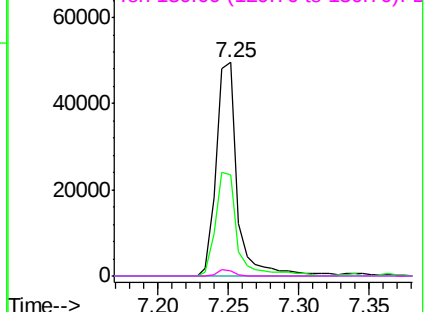
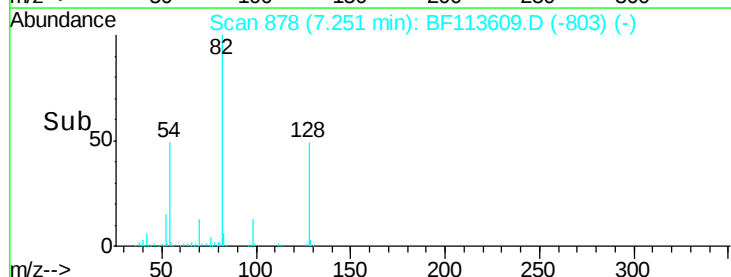
Abundance

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: 7.97 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BF113609.D

Acq: 5 Apr 2019 3:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 412009

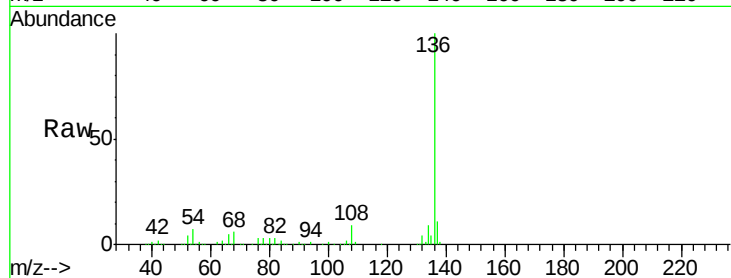
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.5 7.0 10.6

68 5.7 4.8 7.2

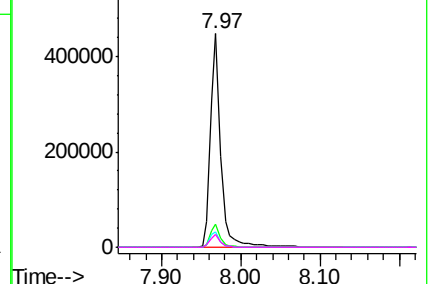
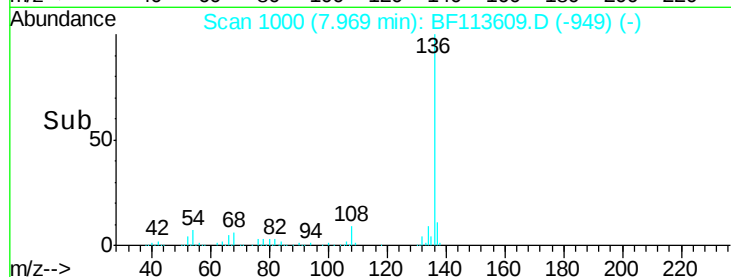


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 57.970 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF113609.D

Acq: 5 Apr 2019 3:45

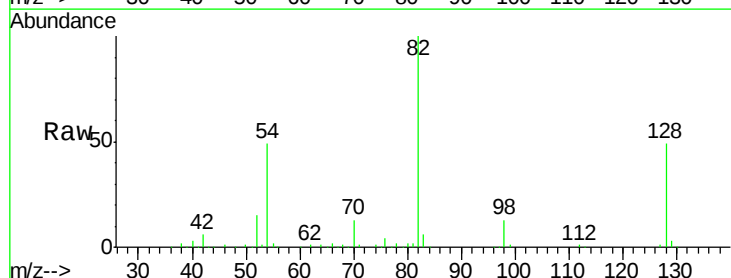
Tgt Ion: 82 Resp: 407754

Ion Ratio Lower Upper

82 100

128 49.2 36.5 54.7

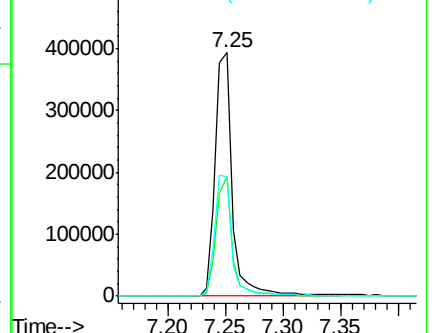
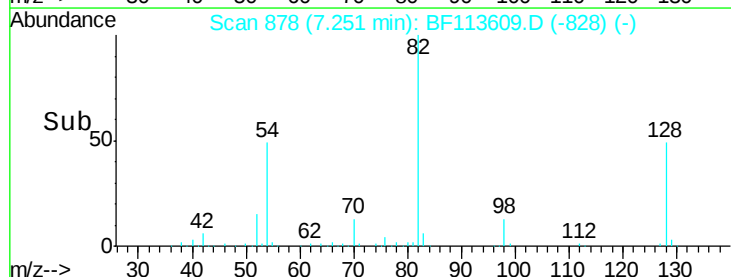
54 49.0 42.2 63.2

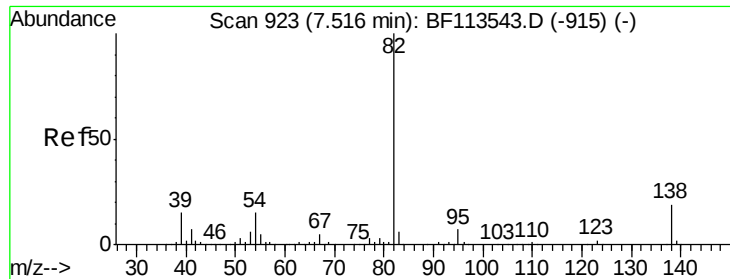


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.097 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.26 min

Lab File: BF113609.D

Acq: 5 Apr 2019 3:45

Instrument :

BNA_F

ClientSampled :

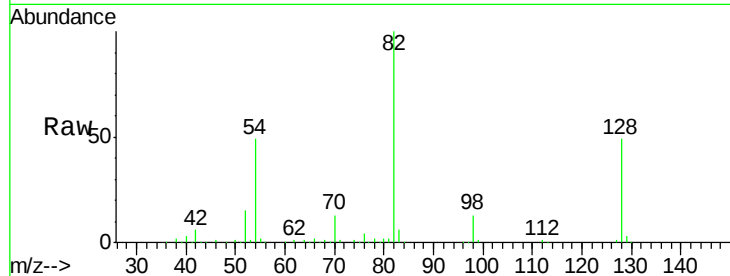
Tot Ion: 82 Resp: 407804

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

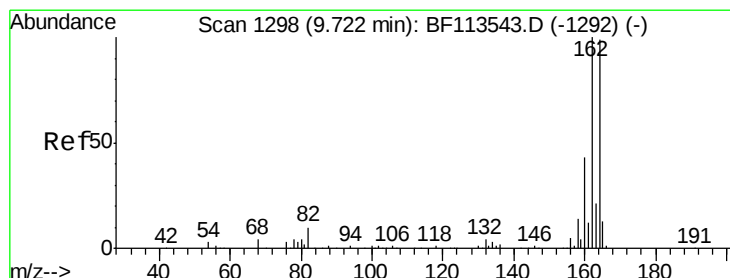
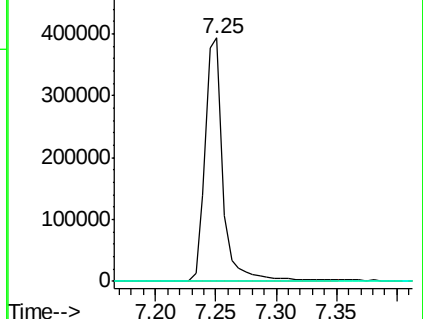
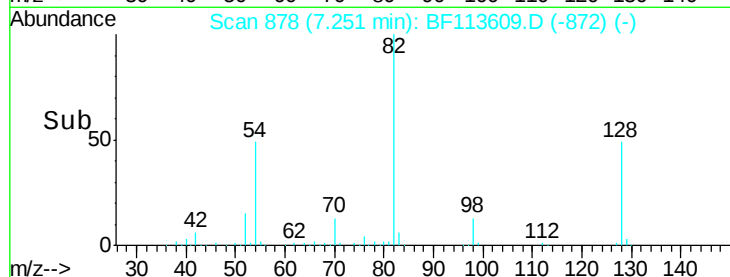
138 0.0 15.2 22.8#



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: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF113609.D

Acq: 5 Apr 2019 3:45

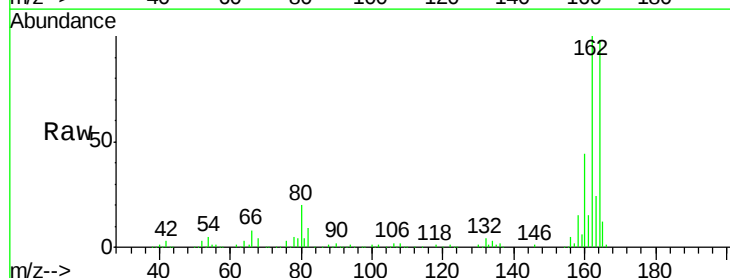
Tgt Ion:164 Resp: 171547

Ion Ratio Lower Upper

164 100

162 101.7 81.8 122.6

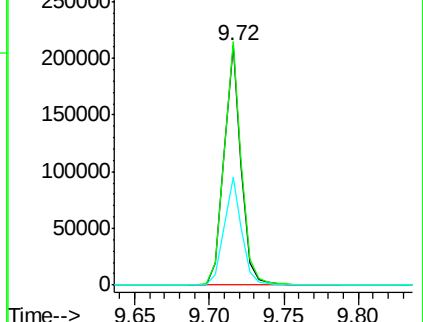
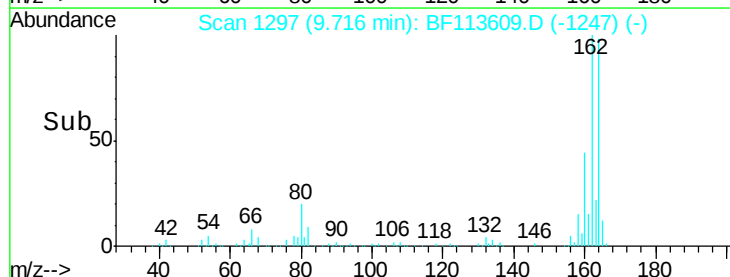
160 45.2 36.4 54.6

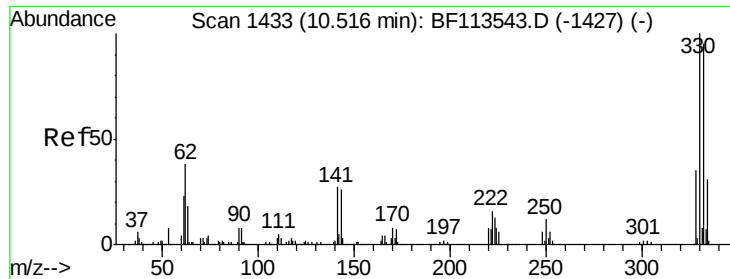


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 91.738 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF113609.D

Acq: 5 Apr 2019 3:45

Instrument :

BNA_F

ClientSampled :

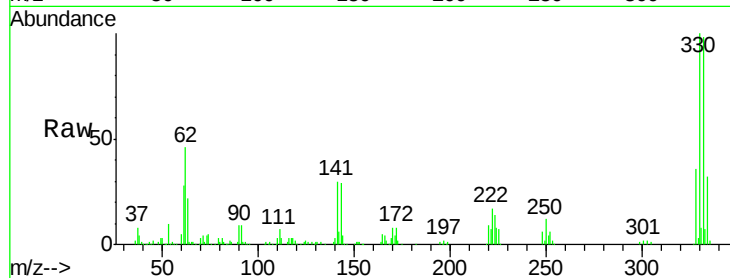
Tot Ion:330 Resp: 189044

Ion Ratio Lower Upper

330 100

332 95.9 77.8 116.6

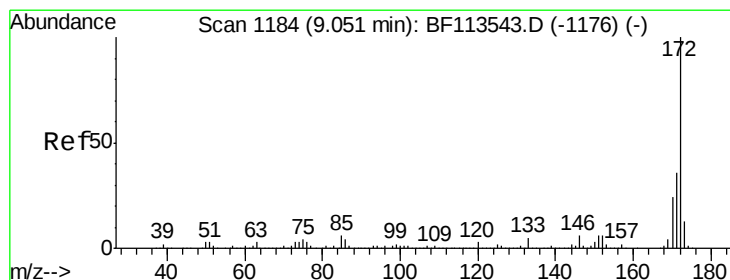
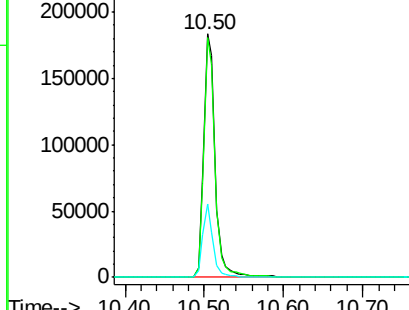
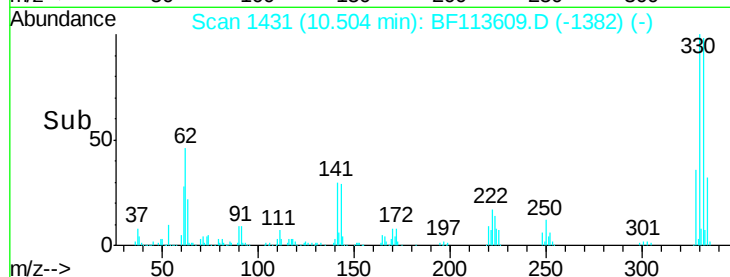
141 27.5 22.7 34.1



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: 75.948 ng

RT: 9.04 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF113609.D

Acq: 5 Apr 2019 3:45

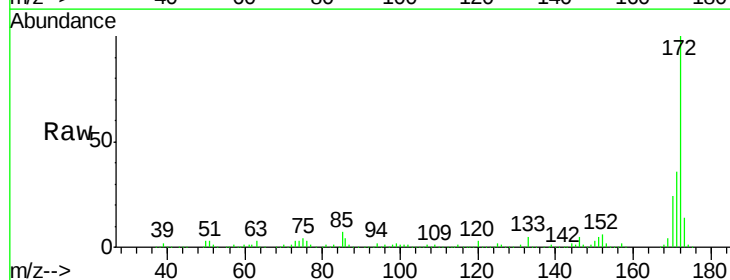
Tgt Ion:172 Resp: 809285

Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.6

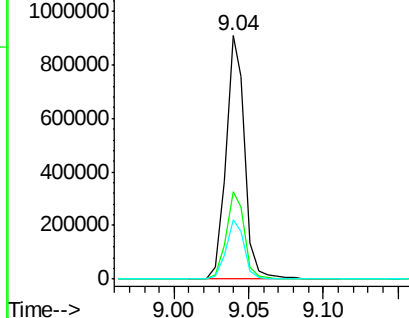
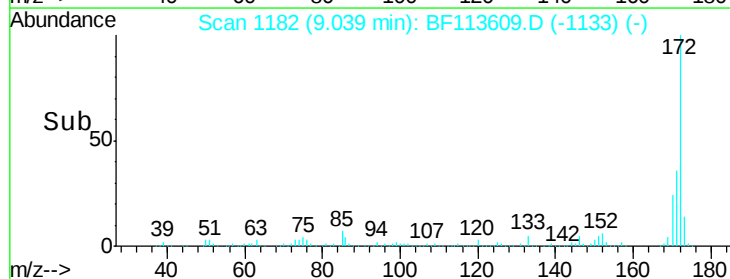
170 24.1 19.5 29.3



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

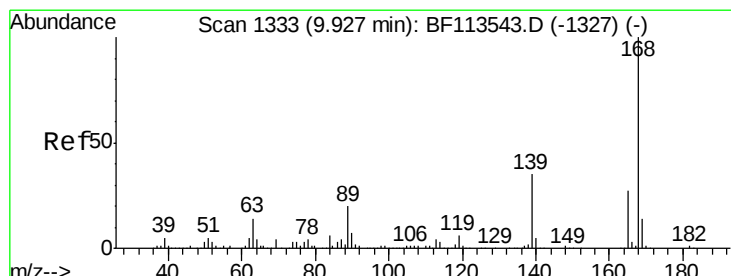
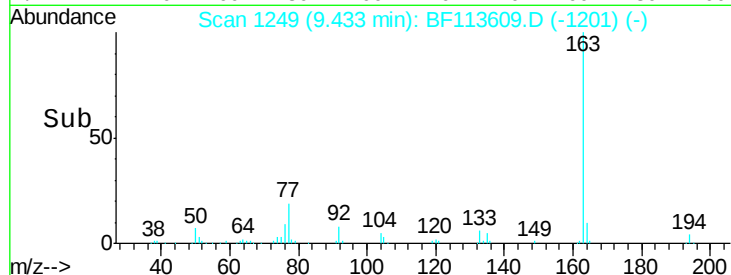
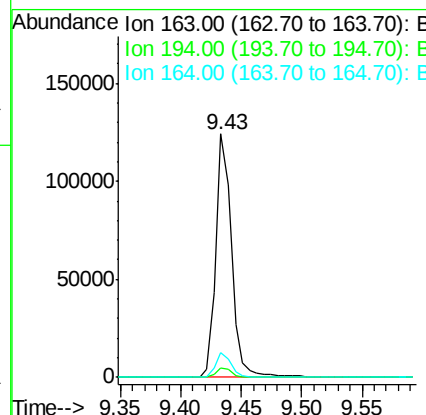
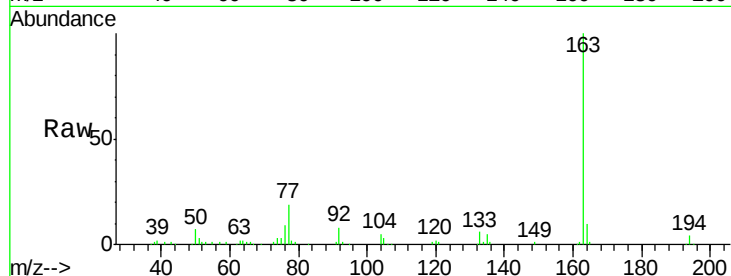




#50
 Dimethylphthalate
 Concen: 8.838 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: BF113609.D
 Acq: 5 Apr 2019 3:45

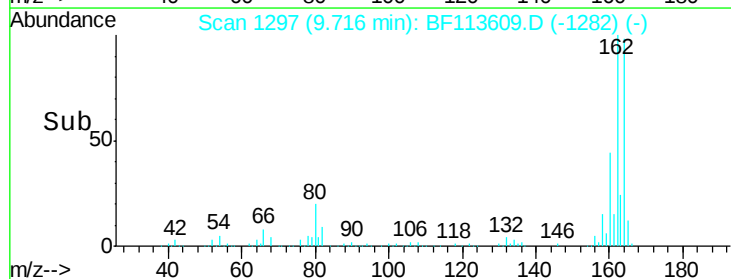
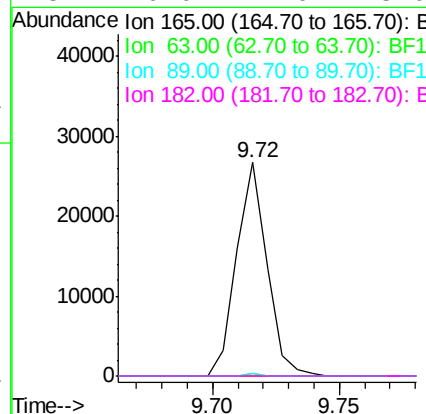
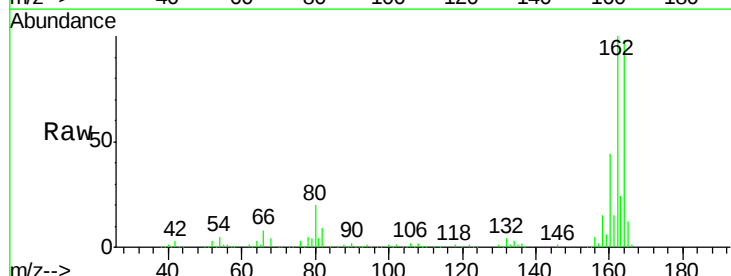
Instrument :
 BNA_F
 ClientSampleId :

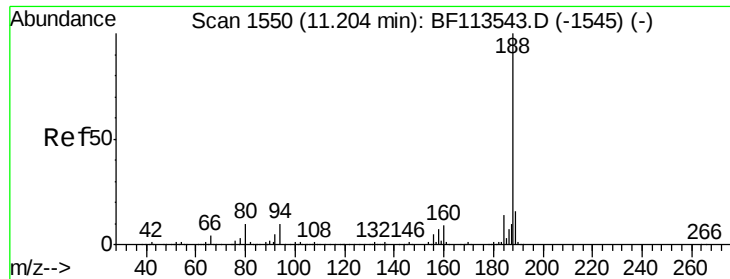
Tot Ion:	163	Resp:	111756
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.0	4.6
164	10.3	8.1	12.1



#57
 2,4-Dinitrotoluene
 Concen: 6.575 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.21 min
 Lab File: BF113609.D
 Acq: 5 Apr 2019 3:45

Tgt Ion:	165	Resp:	22164
Ion Ratio	Lower	Upper	
165	100		
63	1.3	37.5	56.3#
89	1.4	57.4	86.2#
182	0.0	2.0	3.0#

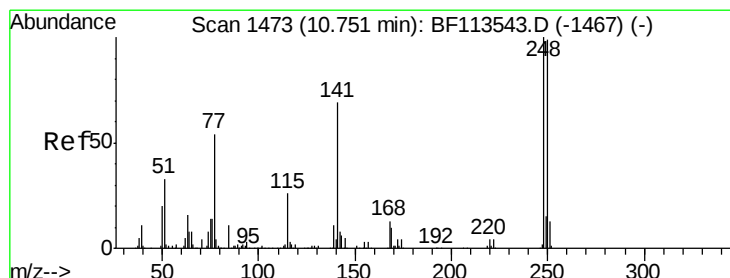
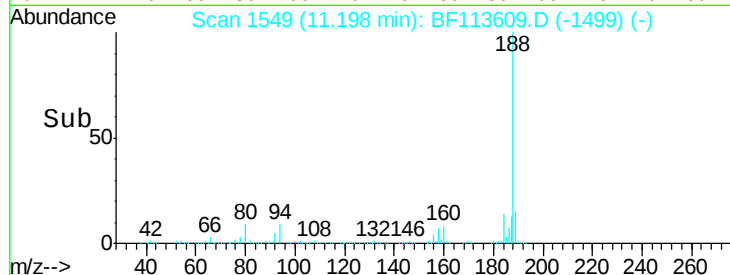
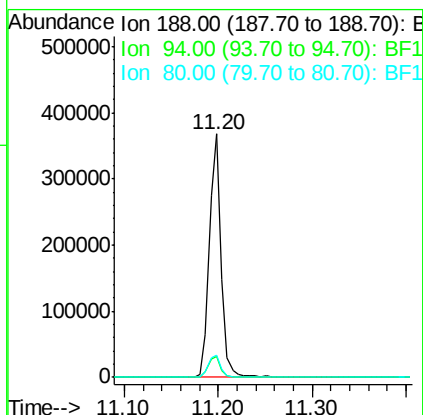
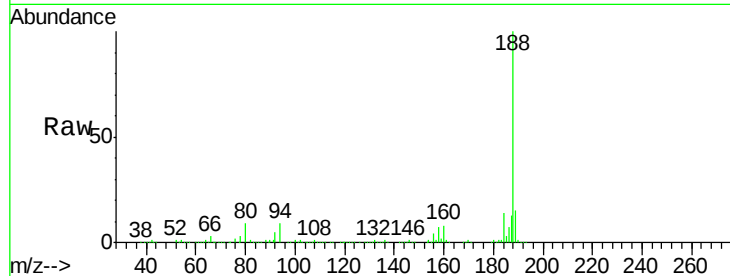




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF113609.D
 Acq: 5 Apr 2019 3:45

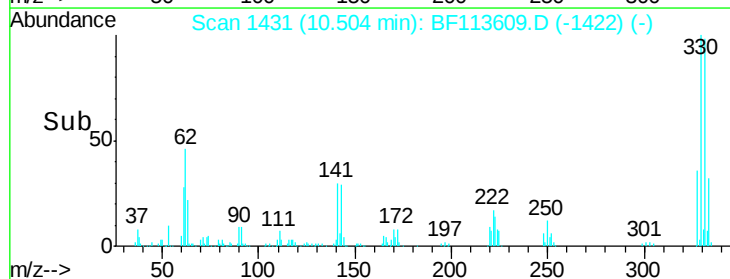
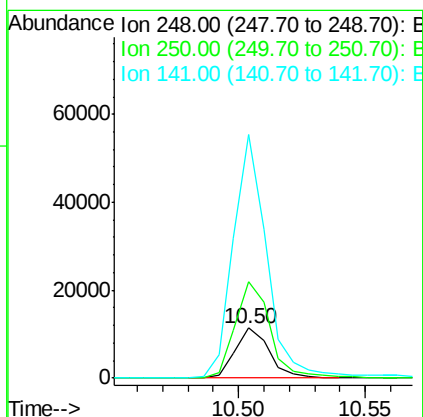
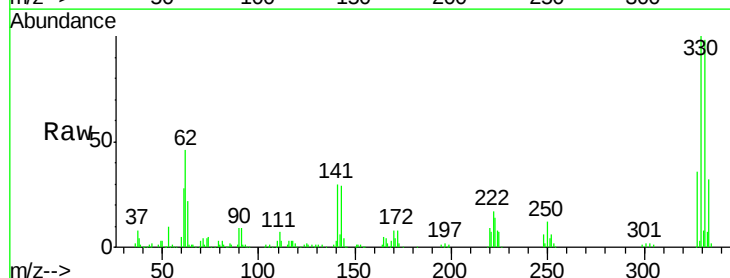
Instrument :
 BNA_F
 ClientSampleId :

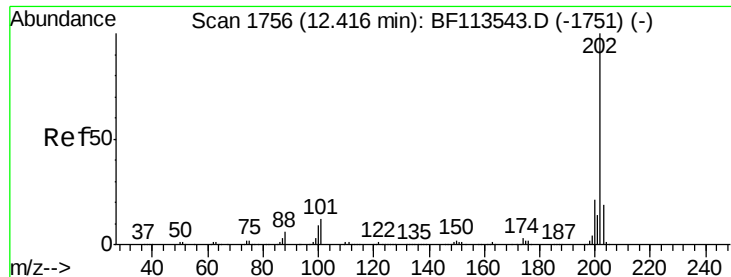
Tot Ion:188 Resp: 325321
 Ion Ratio Lower Upper
 188 100
 94 8.8 7.0 10.6
 80 9.1 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 2.884 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.25 min
 Lab File: BF113609.D
 Acq: 5 Apr 2019 3:45

Tgt Ion:248 Resp: 10523
 Ion Ratio Lower Upper
 248 100
 250 192.5 78.3 117.5#
 141 486.2 56.2 84.4#





#75

Fluoranthene

Concen: 3.160 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113609.D

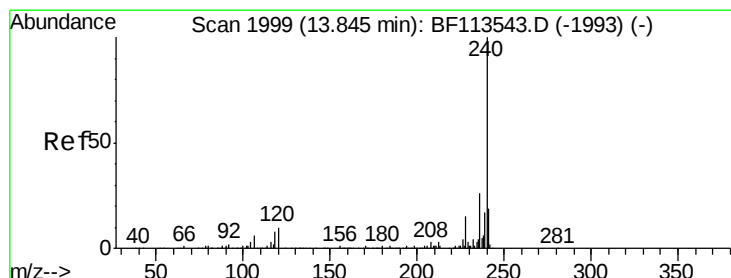
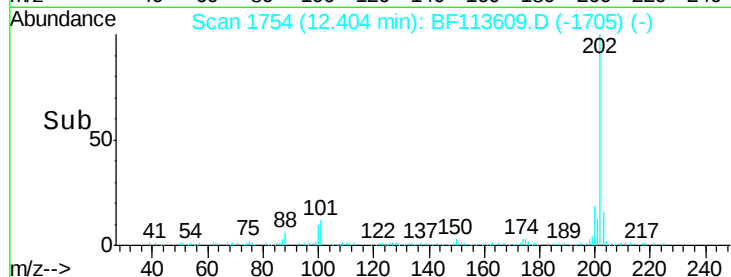
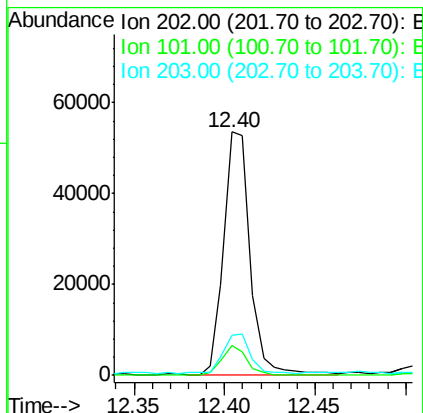
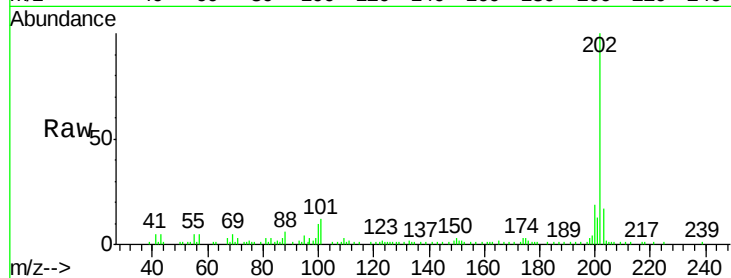
Acq: 5 Apr 2019 3:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	54737
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.4
203	16.7	0.0	38.0



#76

Chrysene-d12

Concen: 20.000 ng

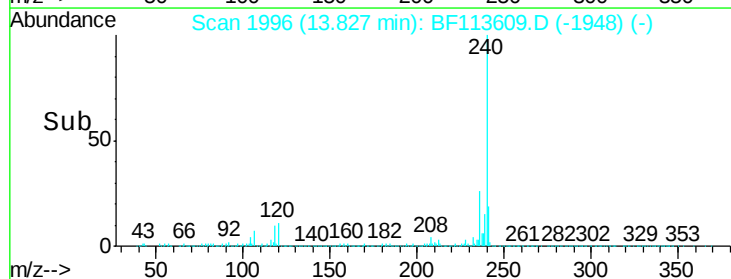
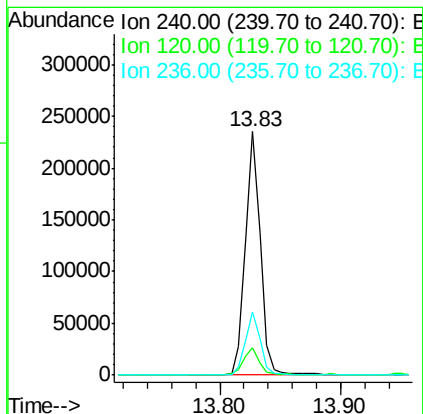
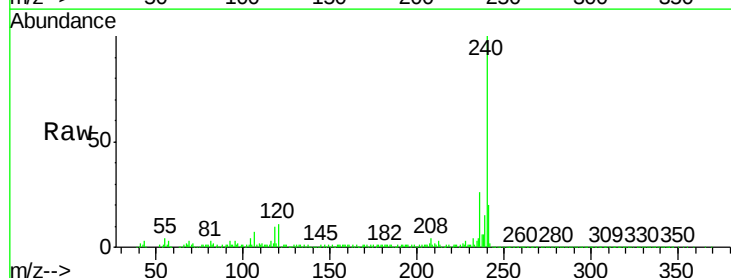
RT: 13.83 min Scan# 1996

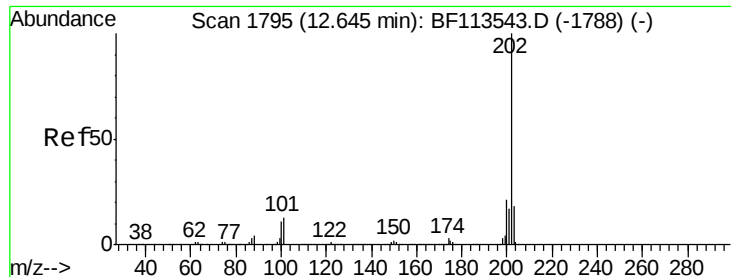
Delta R.T. -0.02 min

Lab File: BF113609.D

Acq: 5 Apr 2019 3:45

Tgt Ion:	240	Resp:	204249
Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.8	13.2
236	25.9	20.9	31.3





#78

Pvrene

Concen: 3.096 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF113609.D

Acq: 5 Apr 2019 3:45

Instrument :

BNA_F

ClientSampleId :

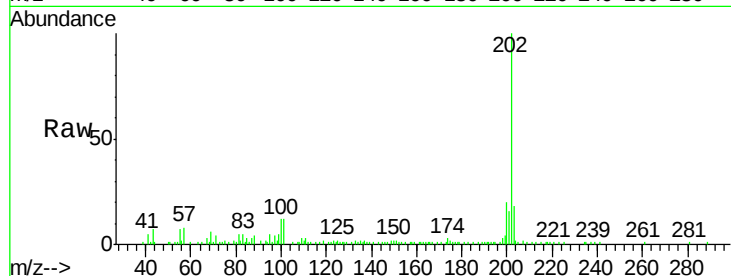
Tot Ion:202 Resp: 48122

Ion Ratio Lower Upper

202 100

200 19.7 16.8 25.2

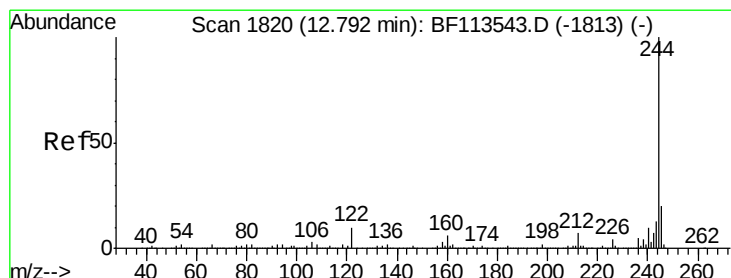
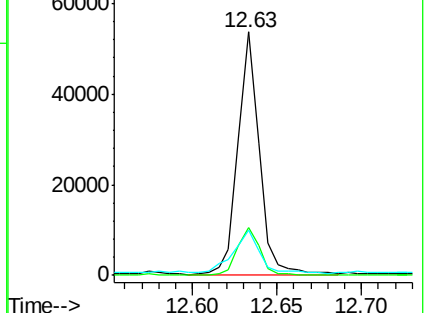
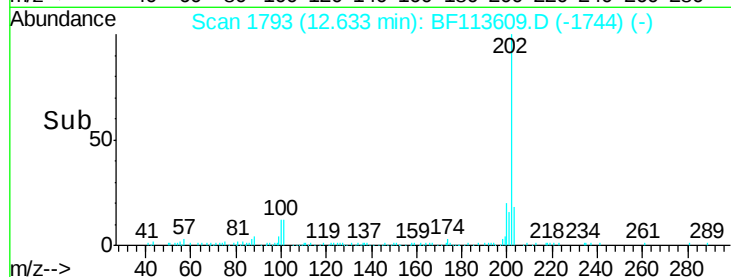
203 18.5 14.4 21.6



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: 71.501 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF113609.D

Acq: 5 Apr 2019 3:45

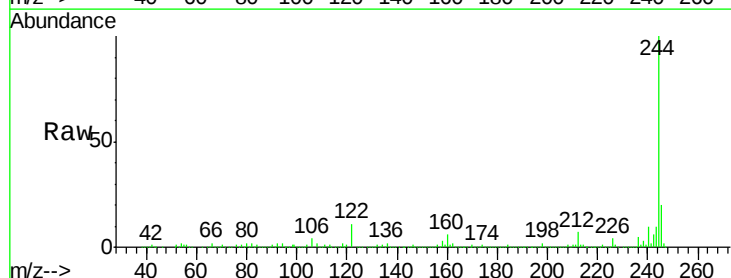
Tgt Ion:244 Resp: 717281

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

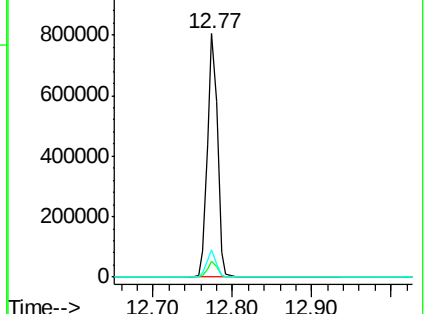
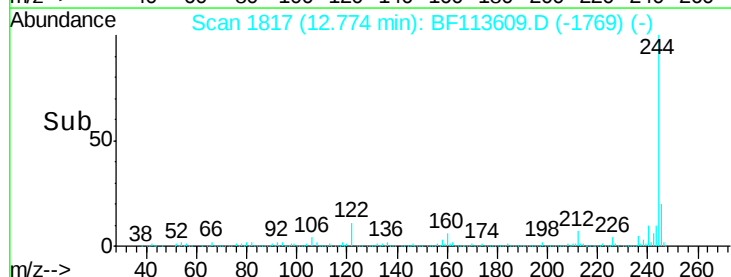
122 11.3 8.6 13.0

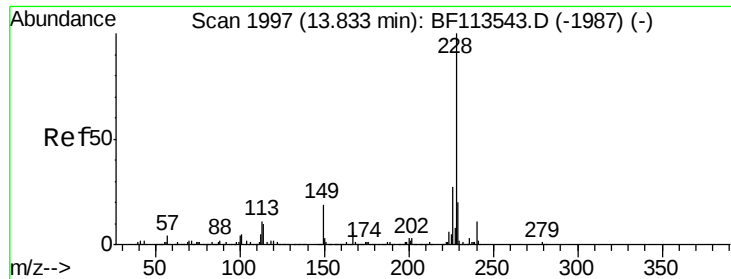


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

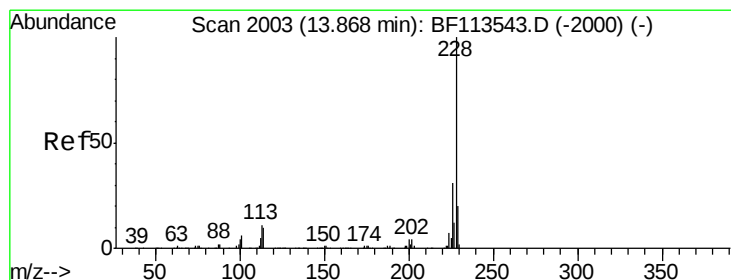
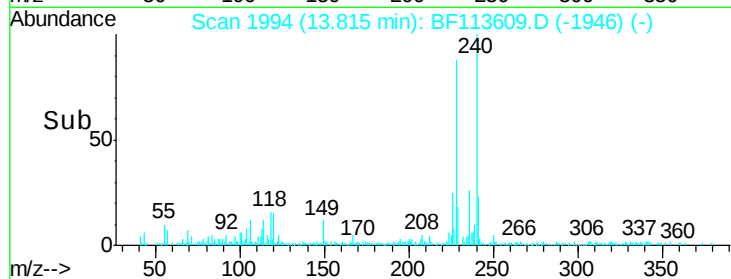
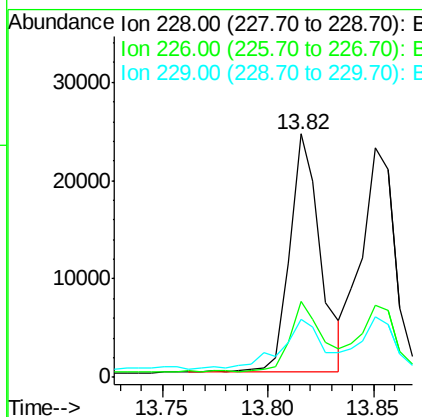
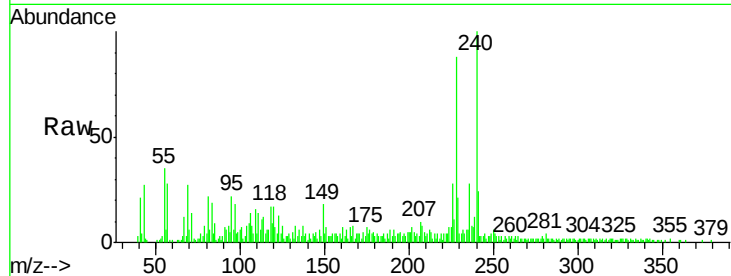




#81
Benzo(a)anthracene
Concen: 2.078 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.02 min
Lab File: BF113609.D
Acq: 5 Apr 2019 3:45

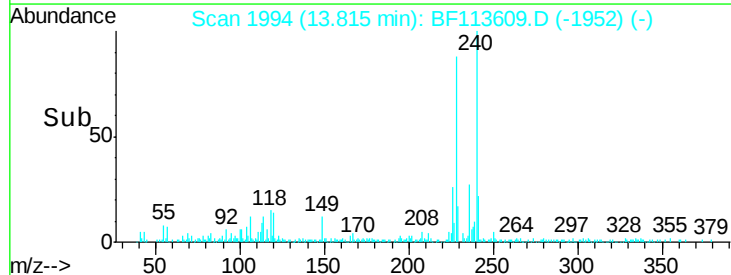
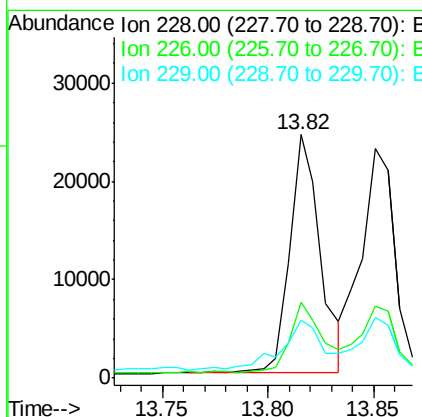
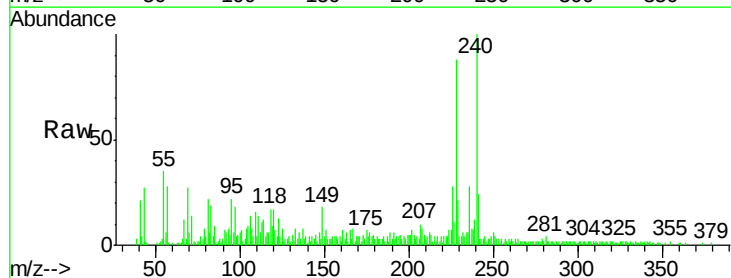
Instrument :
BNA_F
ClientSampleId :

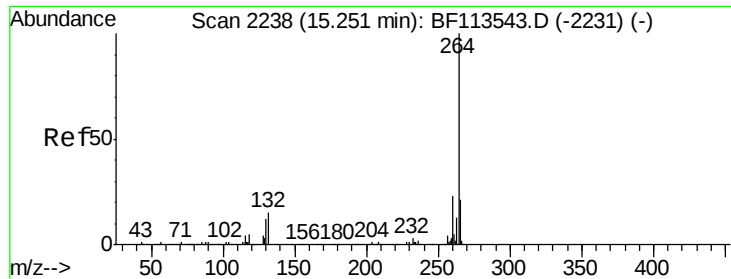
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	21.8	32.8
229	23.6	16.2	24.4



#83
Chrysene
Concen: 2.050 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.05 min
Lab File: BF113609.D
Acq: 5 Apr 2019 3:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.3	36.5
229	23.6	16.3	24.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF113609.D

Acq: 5 Apr 2019 3:45

Instrument :

BNA_F

ClientSampleId :

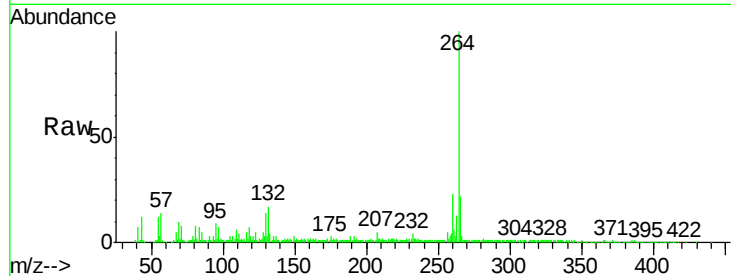
Tot Ion:264 Resp: 167027

Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

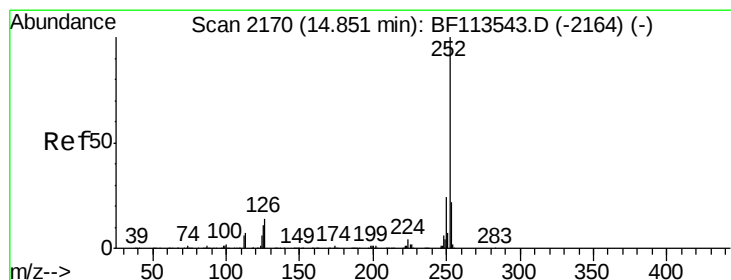
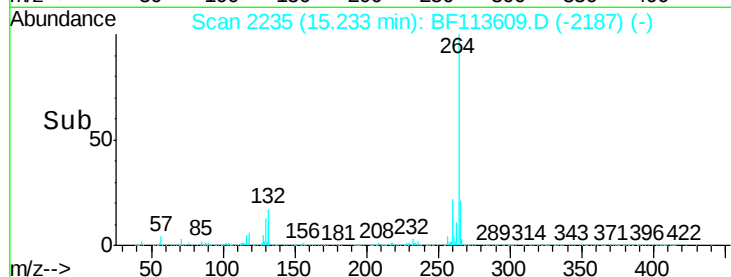
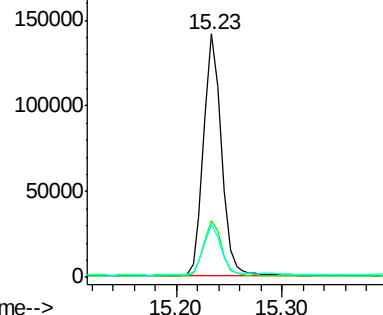
265 21.8 17.1 25.7



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: 4.172 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BF113609.D

Acq: 5 Apr 2019 3:45

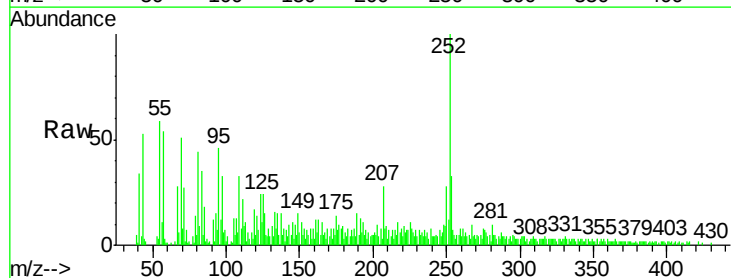
Tgt Ion:252 Resp: 42655

Ion Ratio Lower Upper

252 100

253 33.0 18.0 27.0#

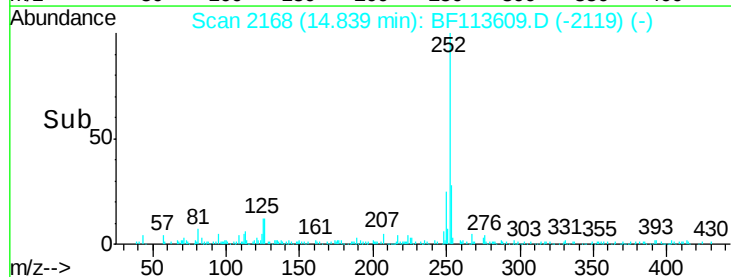
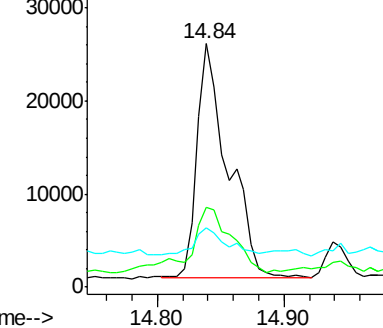
125 24.4 7.6 11.4#

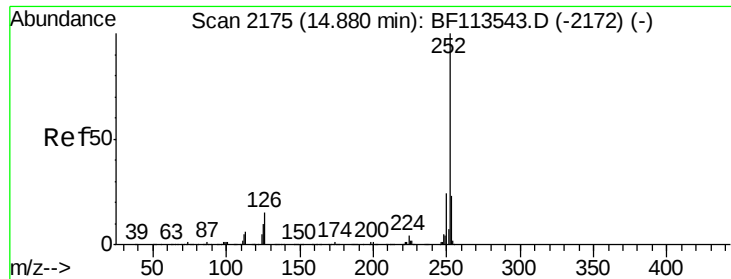


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

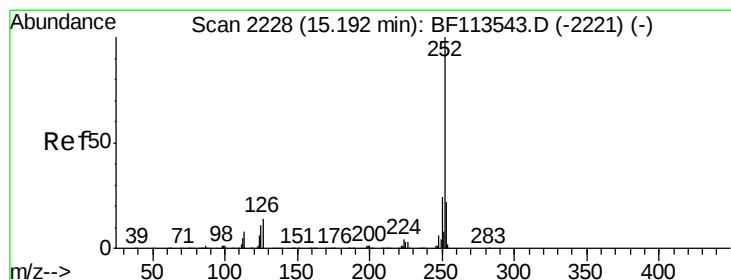
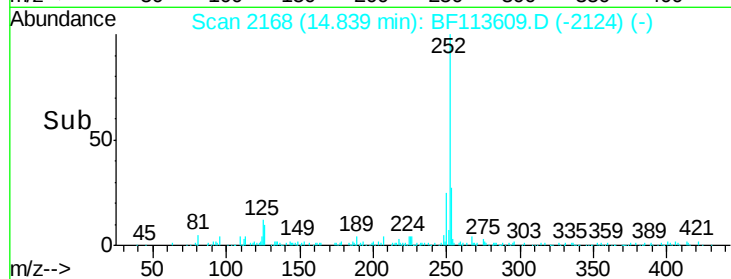
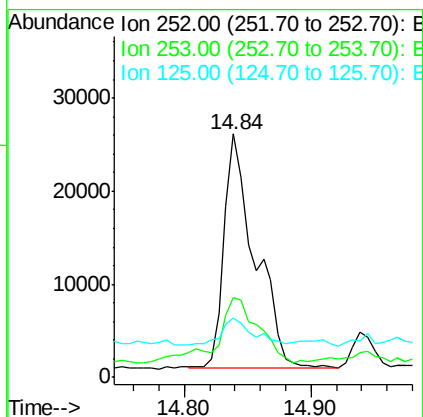
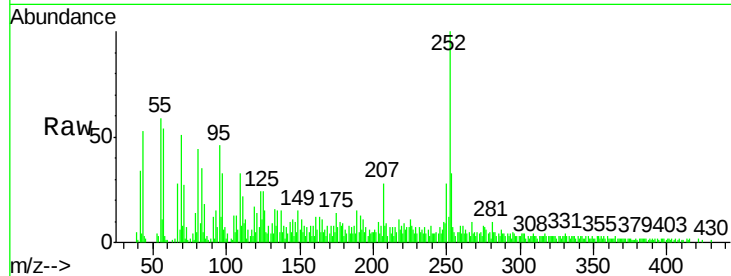




#89
Benzo(k)fluoranthene
Concen: 4.649 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF113609.D
Acq: 5 Apr 2019 3:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 42655
Ion Ratio Lower Upper
252 100
253 33.0 17.7 26.5#
125 24.4 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 2.241 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113609.D
Acq: 5 Apr 2019 3:45

Tgt Ion:252 Resp: 20363
Ion Ratio Lower Upper
252 100
253 32.2 17.9 26.9#
125 28.7 8.8 13.2#

