

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040519\
 Data File : BF113636.D
 Acq On : 6 Apr 2019 1:09
 Operator : JU/SJ
 Sample : K2240-08RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 06 03:21:32 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	111582	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	410263	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	183753	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	349481	20.00	ng	0.00
76) Chrysene-d12	13.83	240	228752	20.00	ng	-0.01
87) Perylene-d12	15.24	264	173931	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	629793	96.25	ng	0.00
7) Phenol-d6	6.34	99	818679	101.51	ng	0.00
23) Nitrobenzene-d5	7.25	82	424695	60.64	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	205182	92.96	ng	0.00
45) 2-Fluorobiphenyl	9.04	172	842038	73.77	ng	-0.01
79) Terphenyl-d14	12.78	244	777731	69.22	ng	-0.01

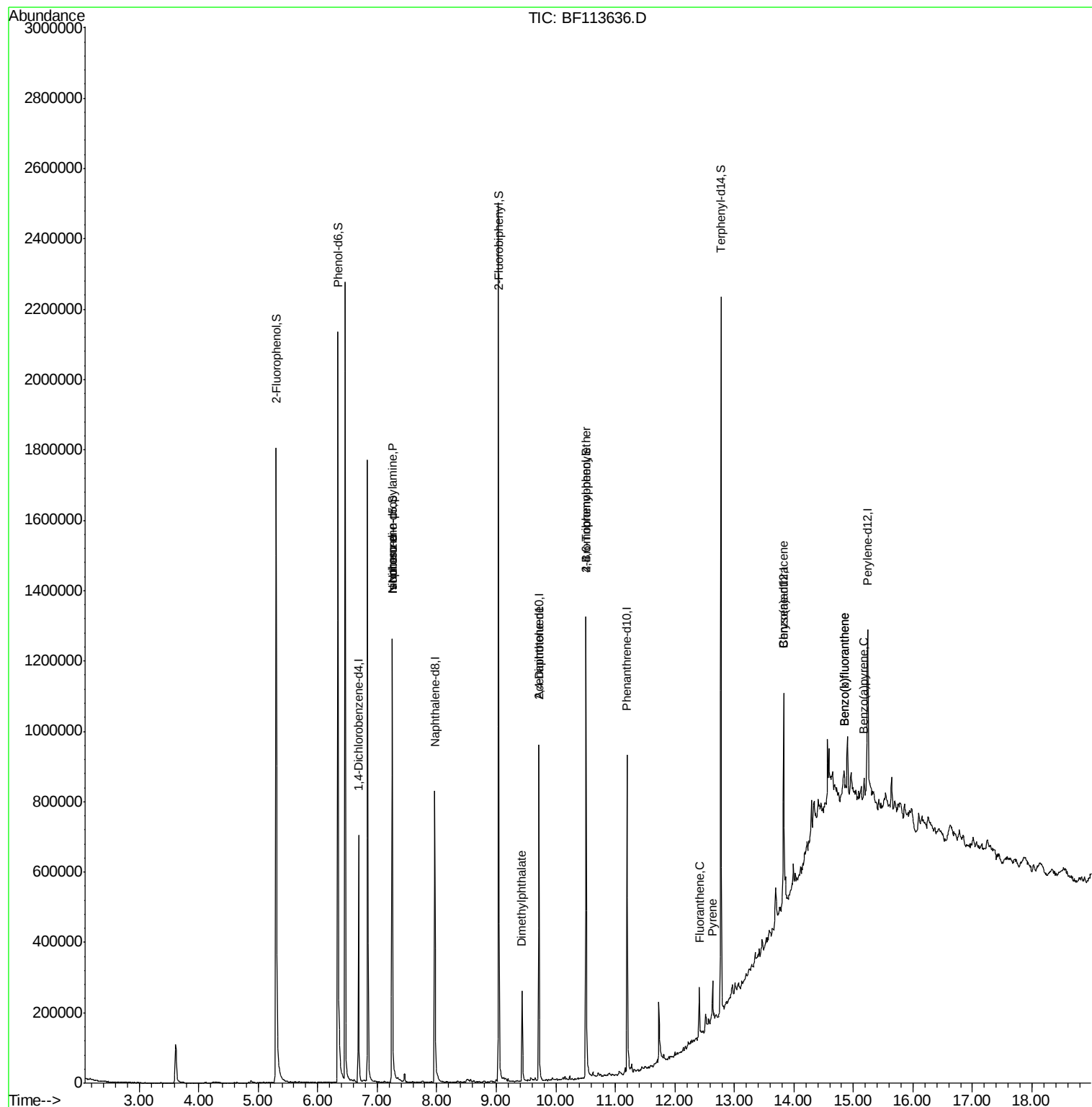
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	53709	10.800	ng	# 77
25) Isophorone	7.25	82	424692	31.477	ng	# 64
50) Dimethylphthalate	9.43	163	116058	8.568	ng	100
57) 2,4-Dinitrotoluene	9.72	165	23594	6.534	ng	# 23
67) 4-Bromophenyl-phenylether	10.51	248	11724	2.991	ng	# 1
75) Fluoranthene	12.41	202	58775	3.158	ng	98
78) Pyrene	12.63	202	51291	2.947	ng	97
81) Benzo(a)anthracene	13.82	228	26602	2.016	ng	91
88) Benzo(b)fluoranthene	14.84	252	47151	4.429	ng	# 60
89) Benzo(k)fluoranthene	14.84	252	47151	4.935	ng	# 59
90) Benzo(a)pyrene	15.18	252	22015	2.327	ng	# 60

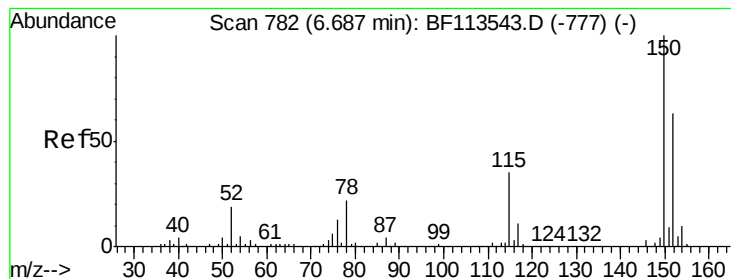
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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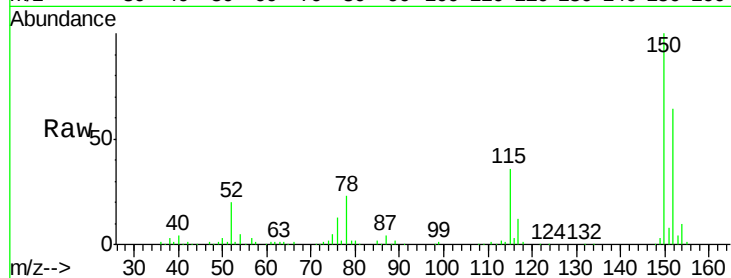


#1

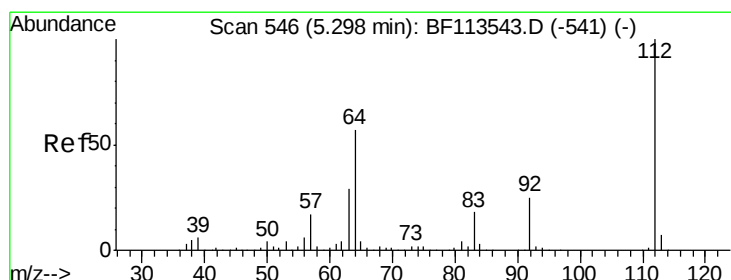
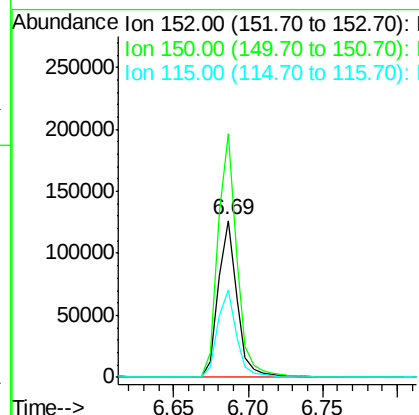
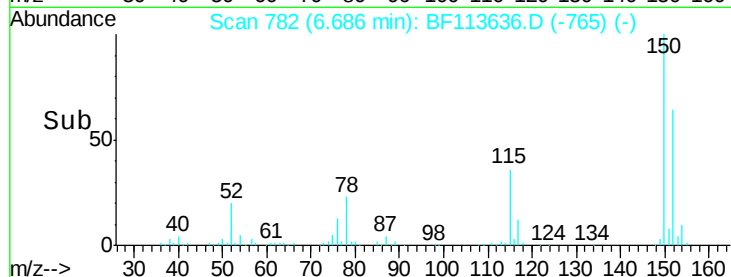
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.00 min
Lab File: BF113636.D
Acq: 6 Apr 2019 1:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111582
Ion Ratio Lower Upper
152 100
150 155.3 124.7 187.1
115 55.8 46.0 69.0



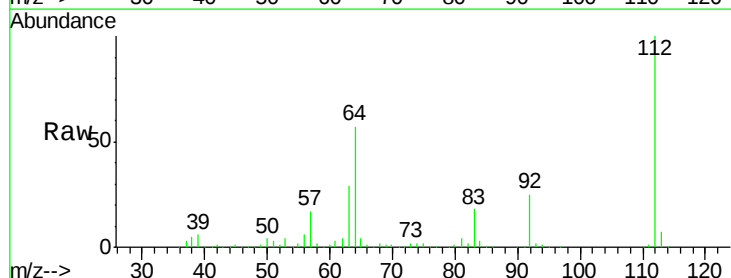
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



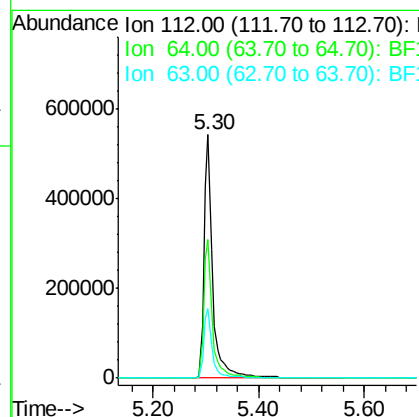
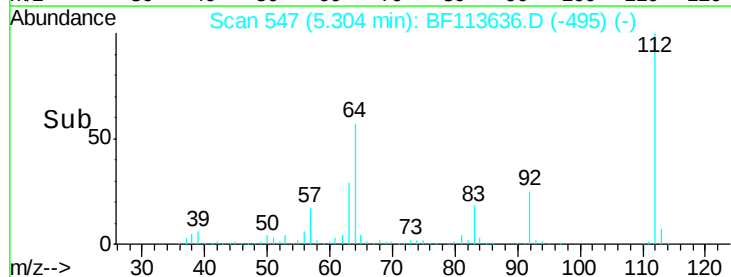
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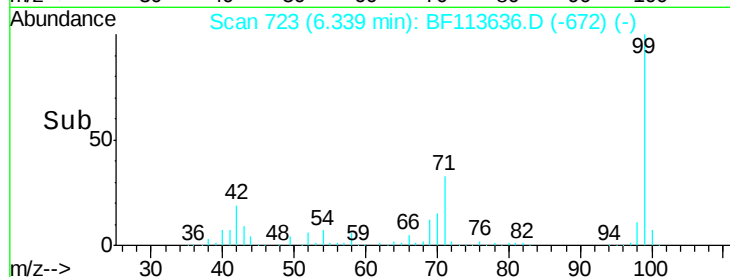
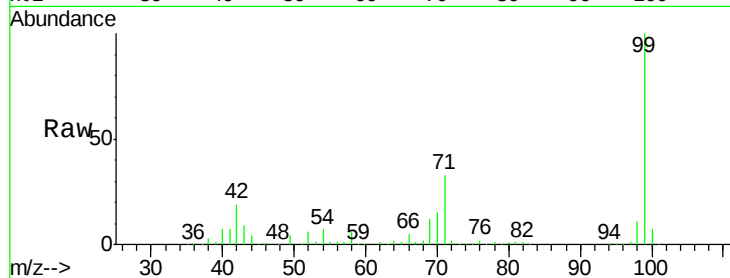
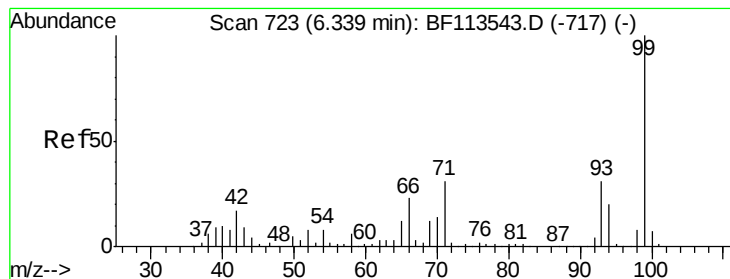
2-Fluorophenol
Concen: 96.247 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF113636.D
Acq: 6 Apr 2019 1:09

Tgt Ion:112 Resp: 629793
Ion Ratio Lower Upper
112 100
64 57.0 49.2 73.8
63 28.8 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: 101.511 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF113636.D

Acq: 6 Apr 2019 1:09

Instrument :

BNA_F

ClientSampled :

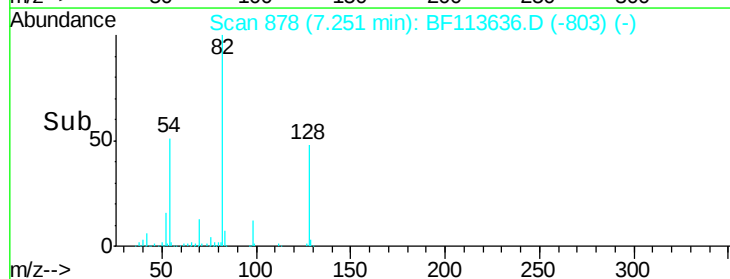
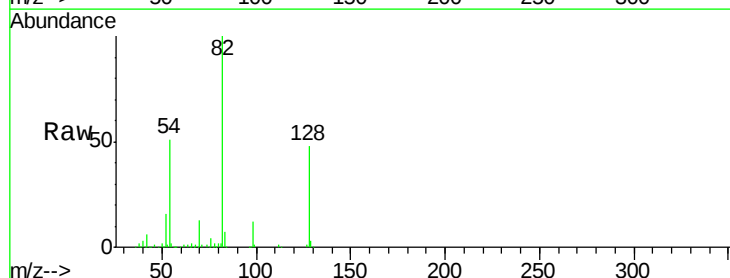
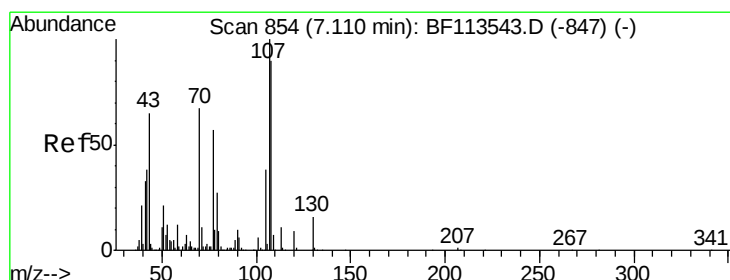
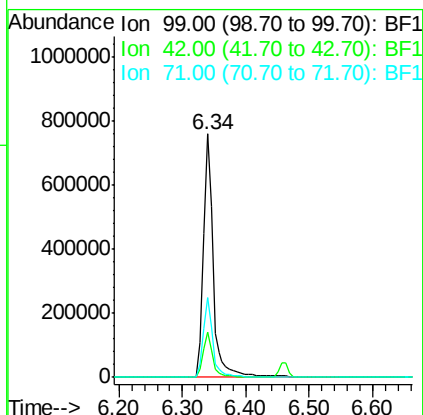
Tot Ion: 99 Resp: 818679

Ion Ratio Lower Upper

99 100

42 18.7 14.8 22.2

71 32.8 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 10.800 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.14 min

Lab File: BF113636.D

Acq: 6 Apr 2019 1:09

Tgt Ion: 70 Resp: 53709

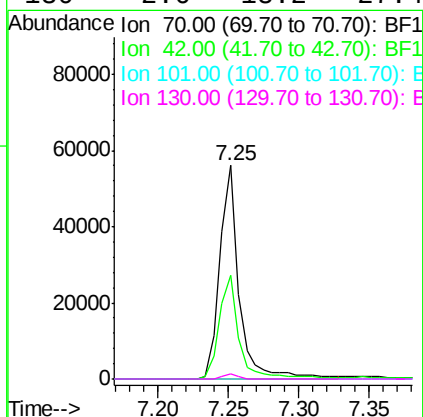
Ion Ratio Lower Upper

70 100

42 48.6 48.4 72.6

101 0.0 7.8 11.8#

130 2.6 18.2 27.4#

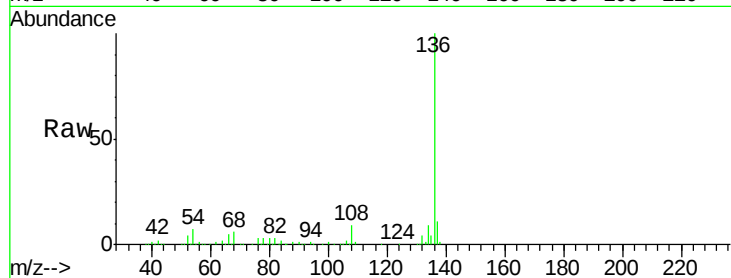




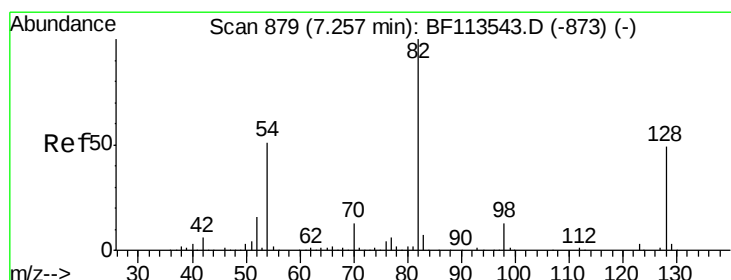
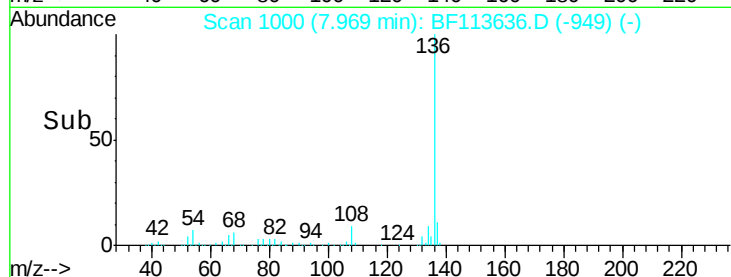
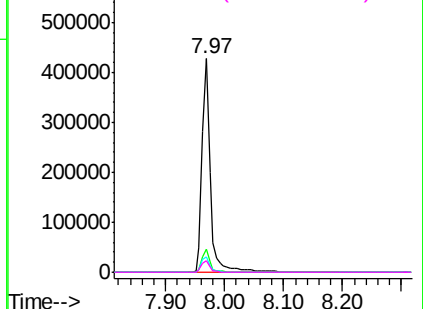
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BF113636.D
Acq: 6 Apr 2019 1:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	410263
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.9 13.3
54	7.5	7.0 10.6
68	5.6	4.8 7.2

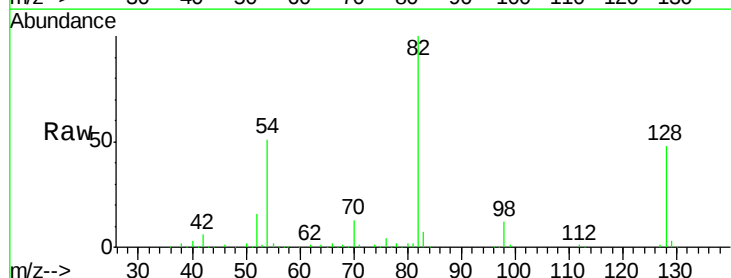


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

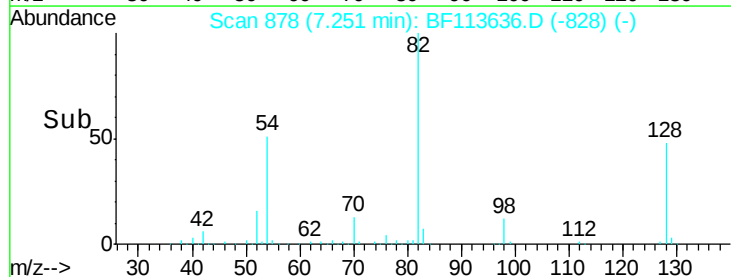
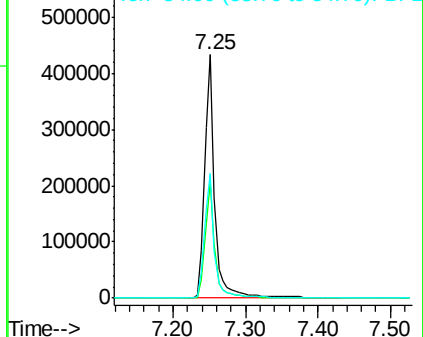


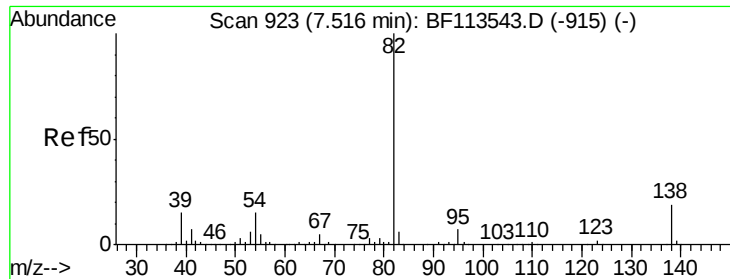
#23
Nitrobenzene-d5
Concen: 60.636 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF113636.D
Acq: 6 Apr 2019 1:09

Tgt Ion: 82	Resp:	424695
Ion	Ratio	Lower Upper
82	100	
128	47.7	36.5 54.7
54	51.2	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: 31.477 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.26 min

Lab File: BF113636.D

Acq: 6 Apr 2019 1:09

Instrument :

BNA_F

ClientSampleId :

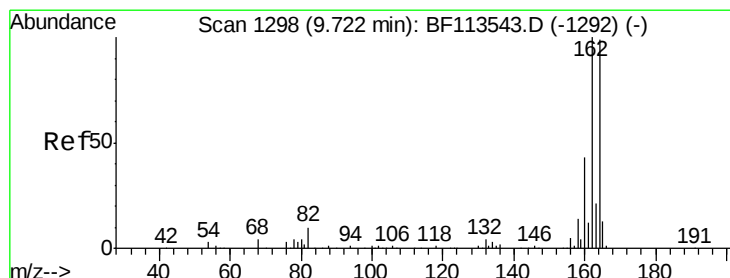
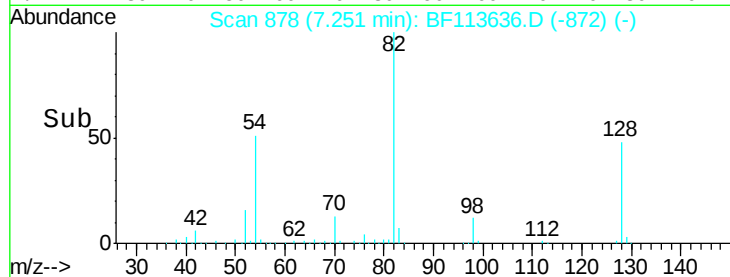
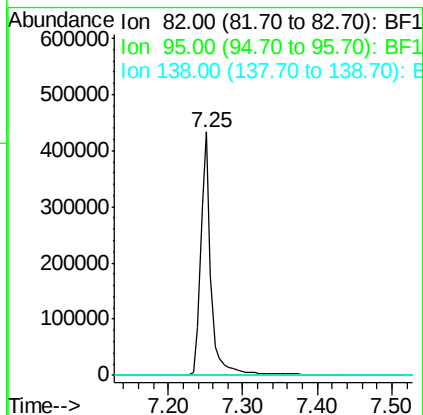
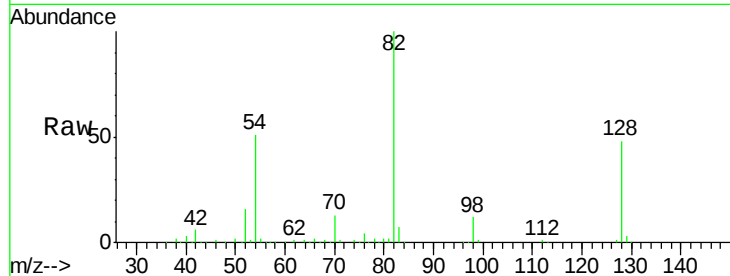
Tot Ion: 82 Resp: 424692

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.2 22.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF113636.D

Acq: 6 Apr 2019 1:09

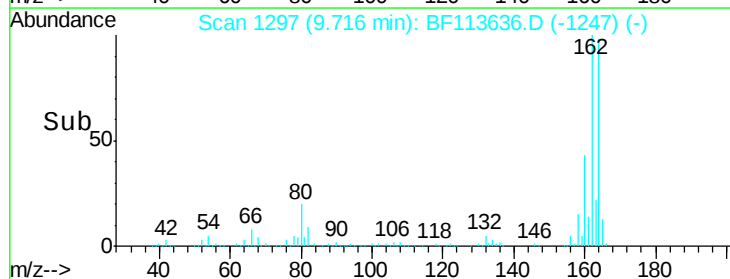
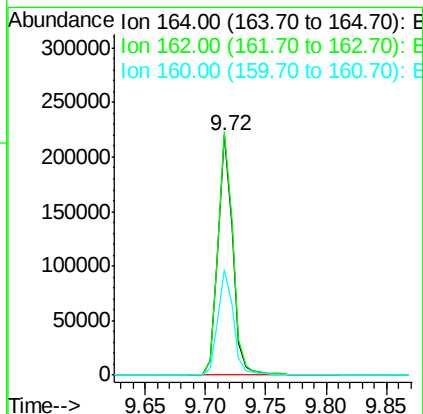
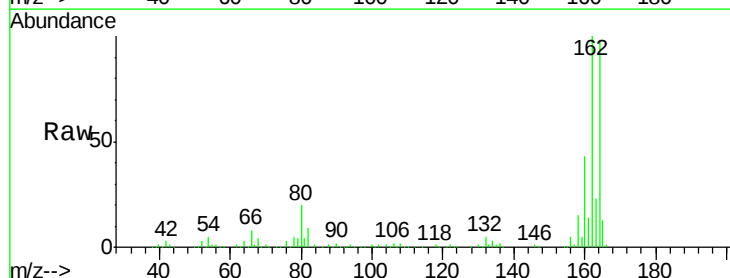
Tgt Ion:164 Resp: 183753

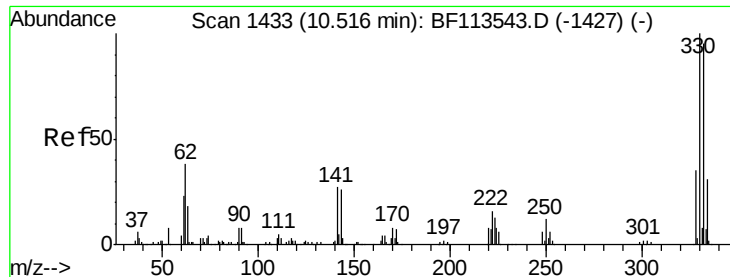
Ion Ratio Lower Upper

164 100

162 101.8 81.8 122.6

160 44.0 36.4 54.6

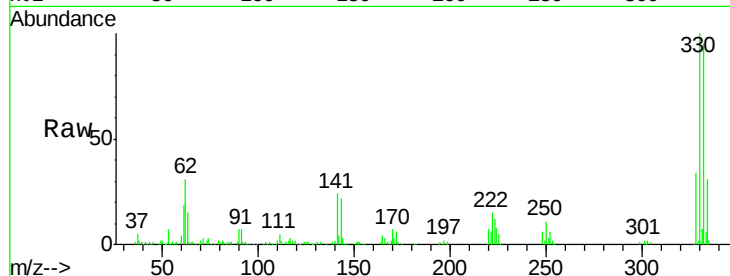




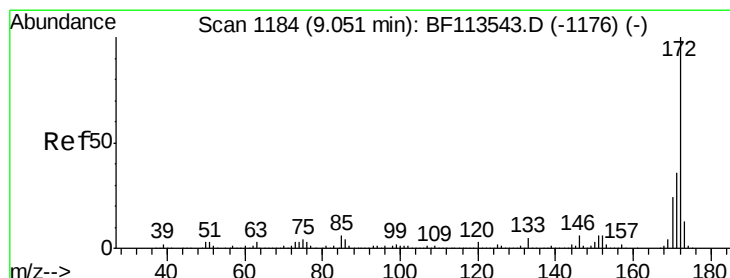
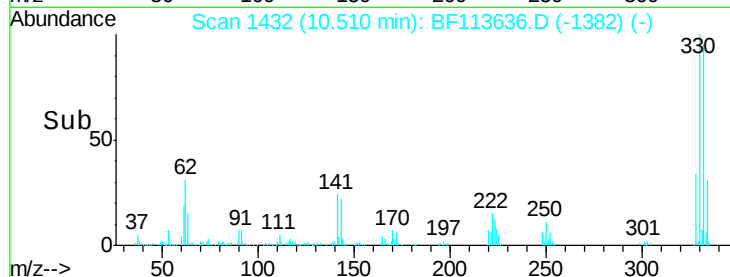
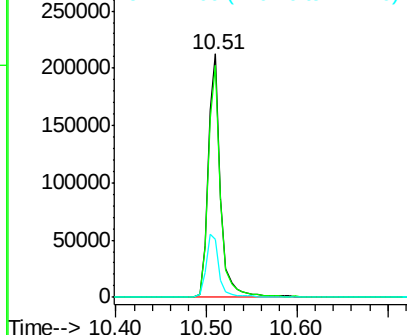
#42
 2,4,6-Tribromophenol
 Concen: 92.955 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF113636.D
 Acq: 6 Apr 2019 1:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 205182
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.8 116.6
 141 28.0 22.7 34.1

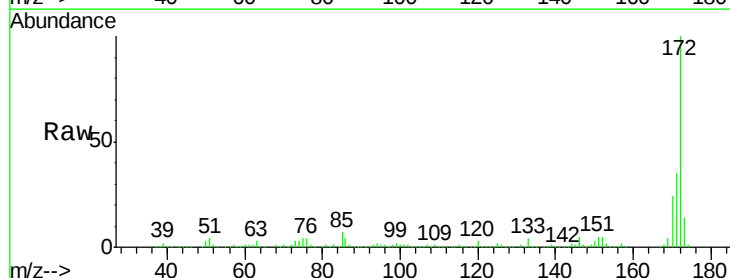


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

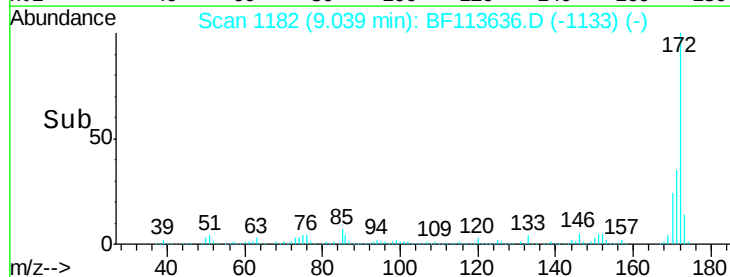
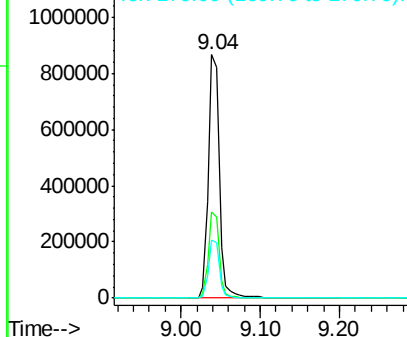


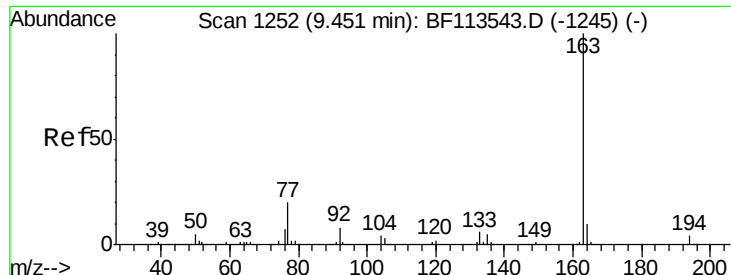
#45
 2-Fluorobiphenyl
 Concen: 73.772 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF113636.D
 Acq: 6 Apr 2019 1:09

Tgt Ion:172 Resp: 842038
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.0 43.6
 170 23.9 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

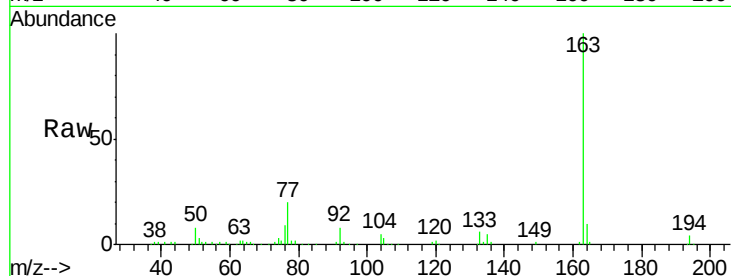




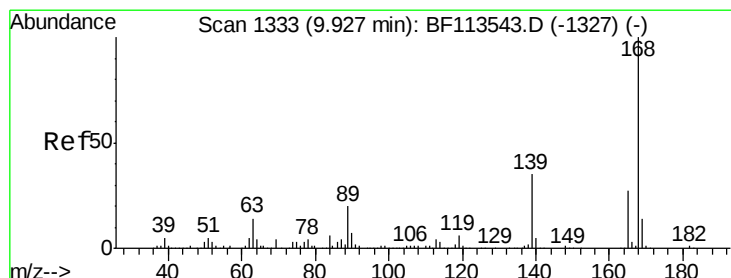
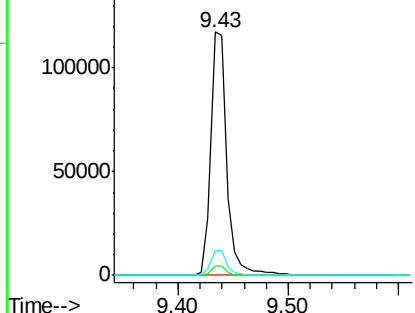
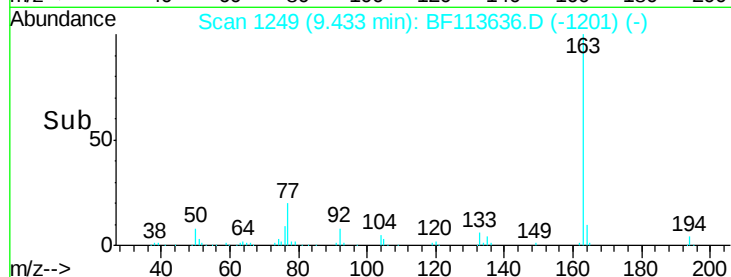
#50
Dimethylphthalate
Concen: 8.568 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BF113636.D
Acq: 6 Apr 2019 1:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.1	8.1	12.1

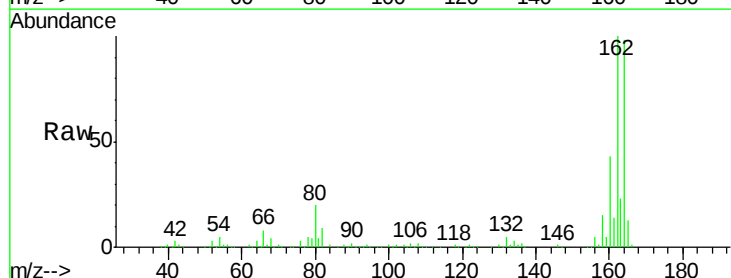


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

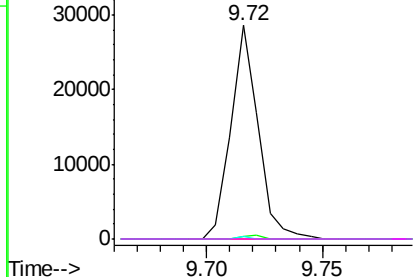
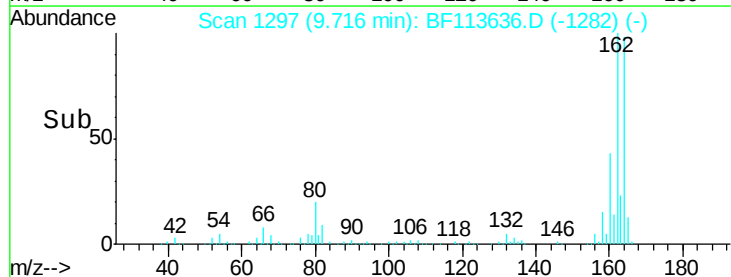


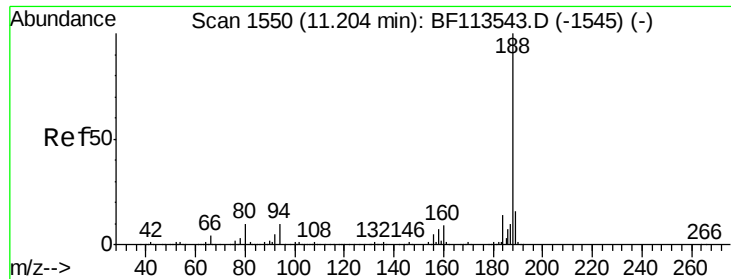
#57
2,4-Dinitrotoluene
Concen: 6.534 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.21 min
Lab File: BF113636.D
Acq: 6 Apr 2019 1:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	37.5	56.3#
89	1.4	57.4	86.2#
182	0.0	2.0	3.0#



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
Ion 182.00 (181.70 to 182.70): E

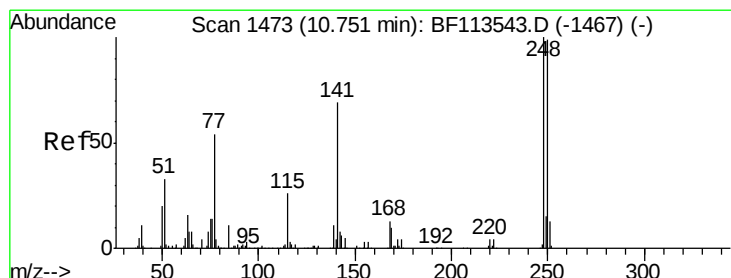
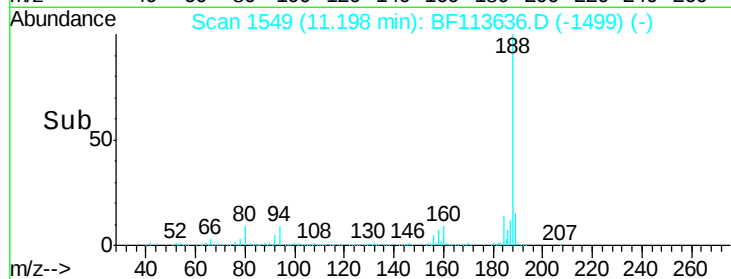
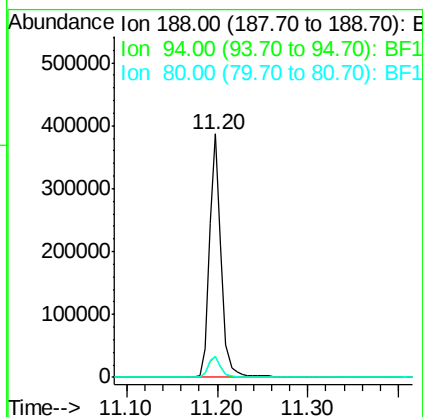
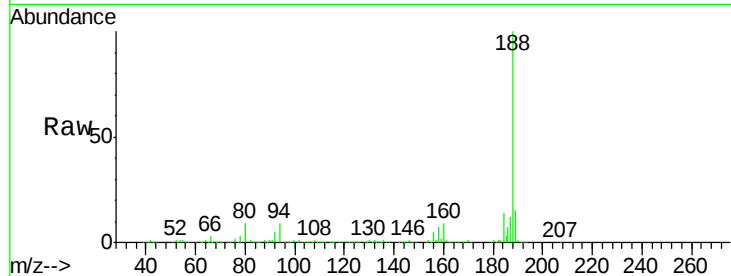




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF113636.D
 Acq: 6 Apr 2019 1:09

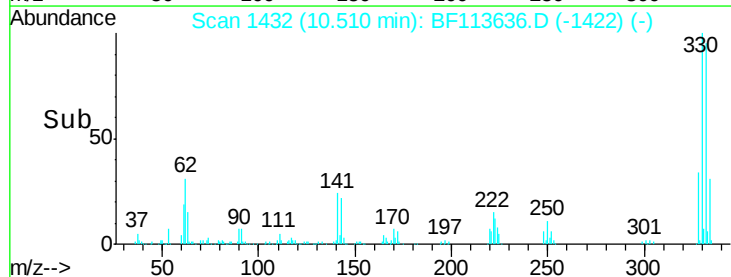
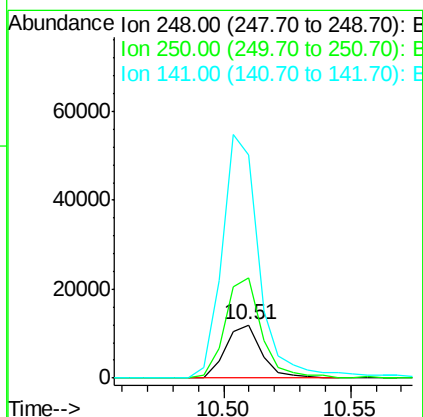
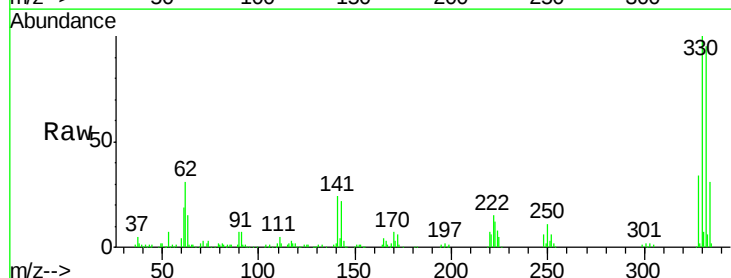
Instrument :
 BNA_F
 ClientSampled :

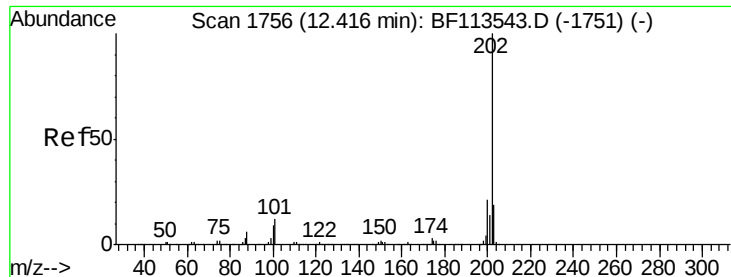
Tot Ion:188 Resp: 349481
 Ion Ratio Lower Upper
 188 100
 94 8.7 7.0 10.6
 80 8.7 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 2.991 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.24 min
 Lab File: BF113636.D
 Acq: 6 Apr 2019 1:09

Tgt Ion:248 Resp: 11724
 Ion Ratio Lower Upper
 248 100
 250 187.8 78.3 117.5#
 141 417.8 56.2 84.4#





#75

Fluoranthene

Concen: 3.158 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF113636.D

Acq: 6 Apr 2019 1:09

Instrument :

BNA_F

ClientSampleId :

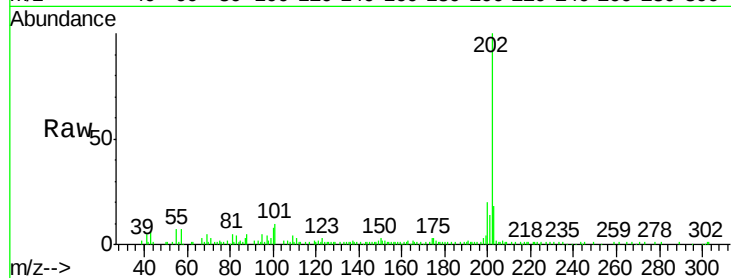
Tot Ion:202 Resp: 58775

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.4

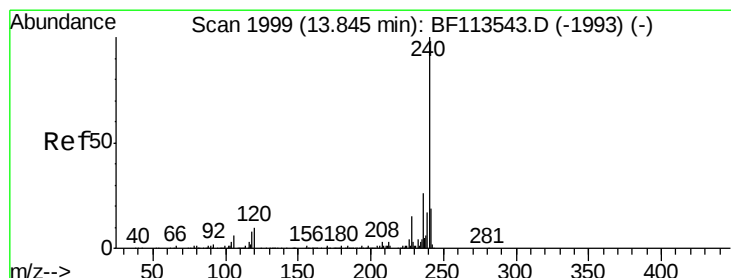
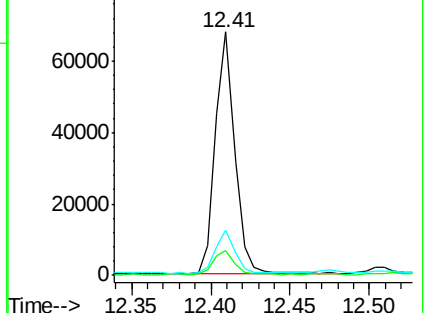
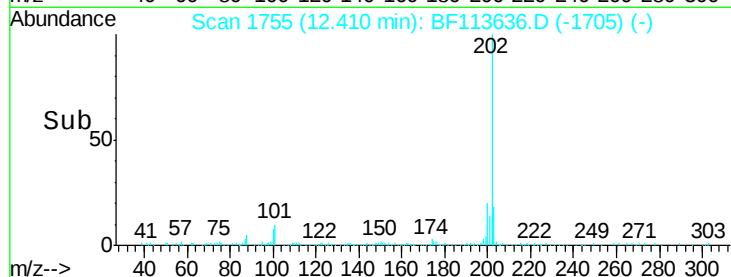
203 18.4 0.0 38.0



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: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF113636.D

Acq: 6 Apr 2019 1:09

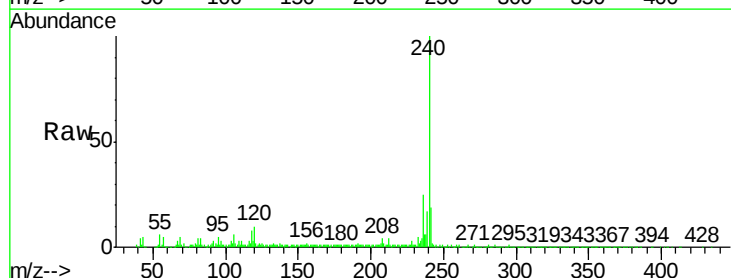
Tgt Ion:240 Resp: 228752

Ion Ratio Lower Upper

240 100

120 9.8 8.8 13.2

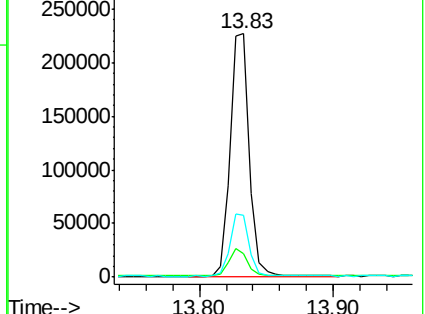
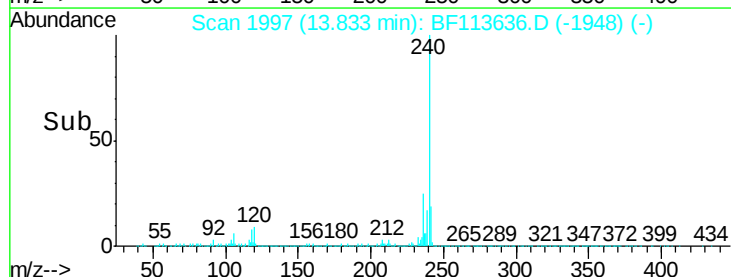
236 25.4 20.9 31.3

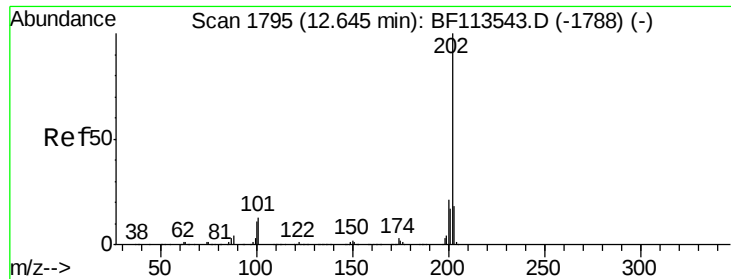


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

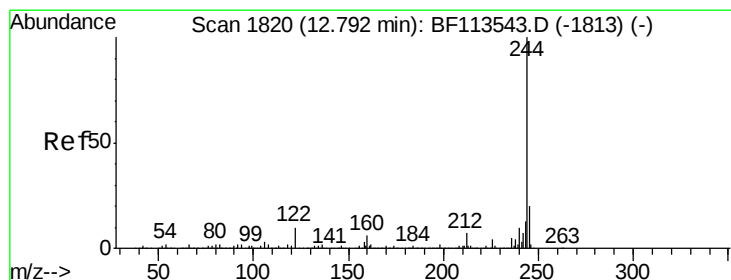
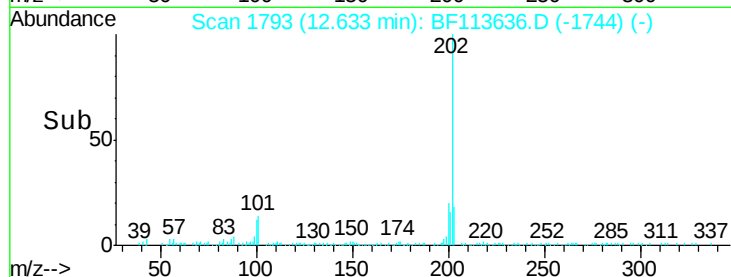
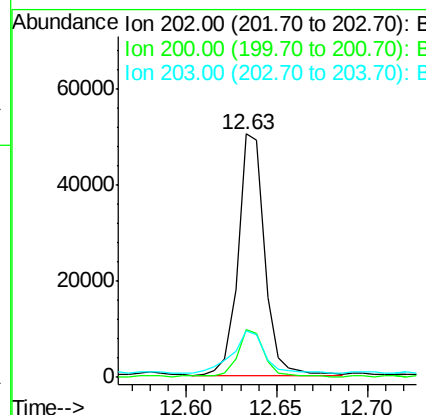
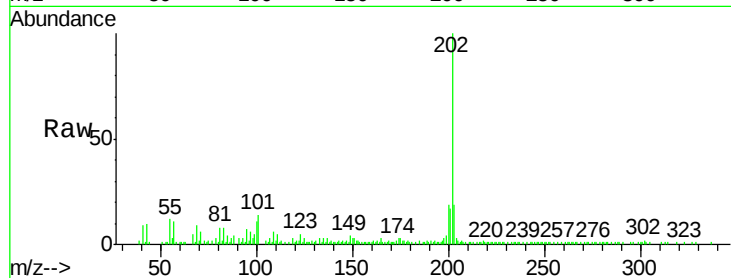




#78
Pvrene
Concen: 2.947 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF113636.D
Acq: 6 Apr 2019 1:09

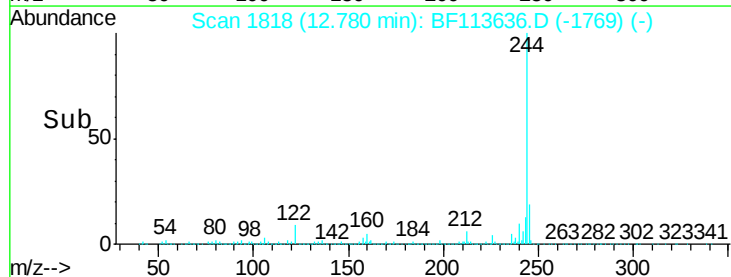
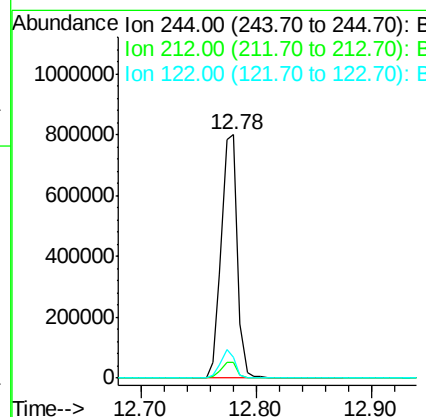
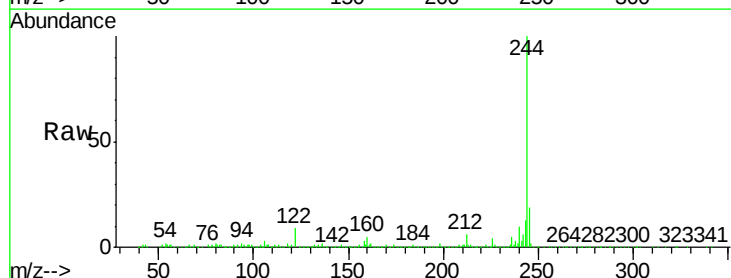
Instrument :
BNA_F
ClientSampleId :

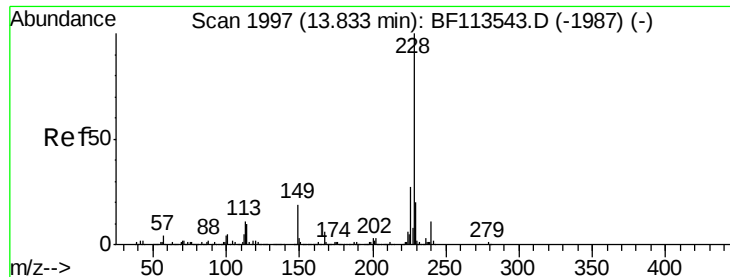
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.8	25.2
203	19.3	14.4	21.6



#79
Terphenyl-d14
Concen: 69.222 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF113636.D
Acq: 6 Apr 2019 1:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.5	8.3
122	8.8	8.6	13.0





#81

Benzo(a)anthracene

Concen: 2.016 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF113636.D

Acq: 6 Apr 2019 1:09

Instrument :

BNA_F

ClientSampleId :

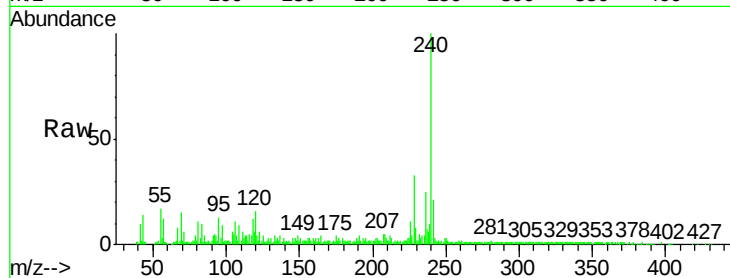
Tot Ion:228 Resp: 26602

Ion Ratio Lower Upper

228 100

226 32.2 21.8 32.8

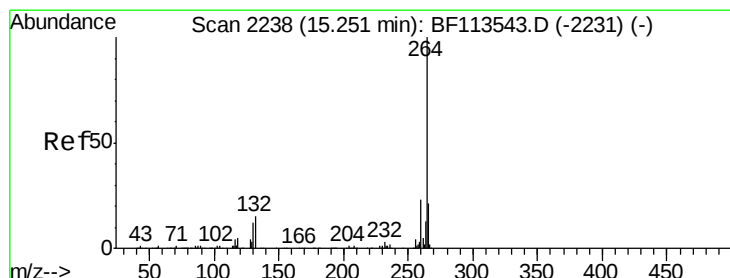
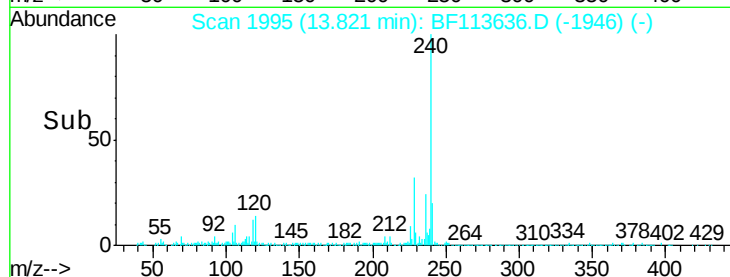
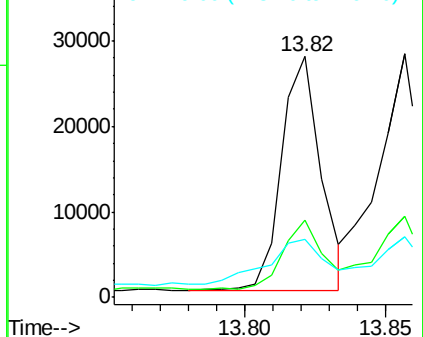
229 24.2 16.2 24.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113636.D

Acq: 6 Apr 2019 1:09

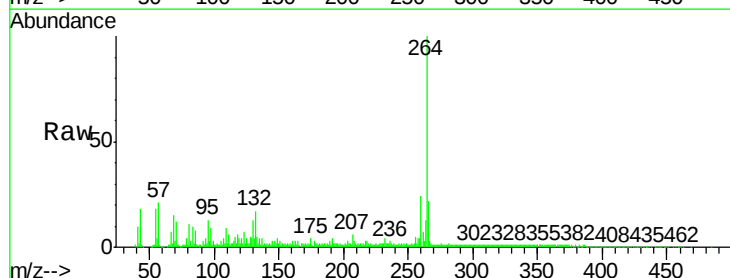
Tgt Ion:264 Resp: 173931

Ion Ratio Lower Upper

264 100

260 24.2 19.1 28.7

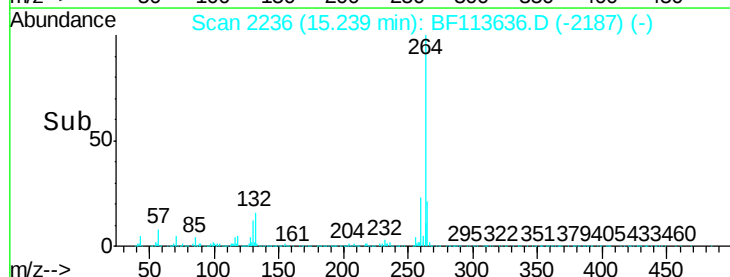
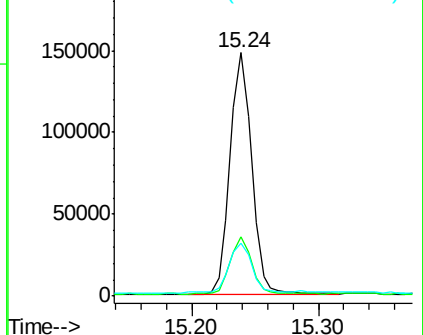
265 21.9 17.1 25.7

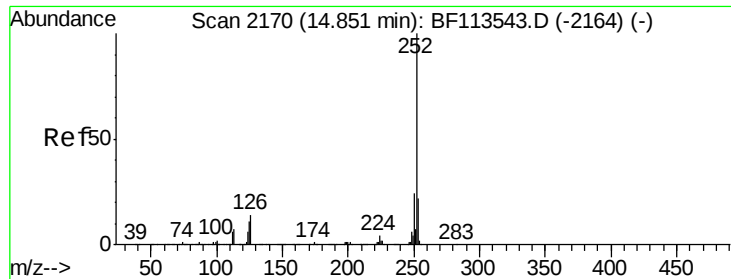


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

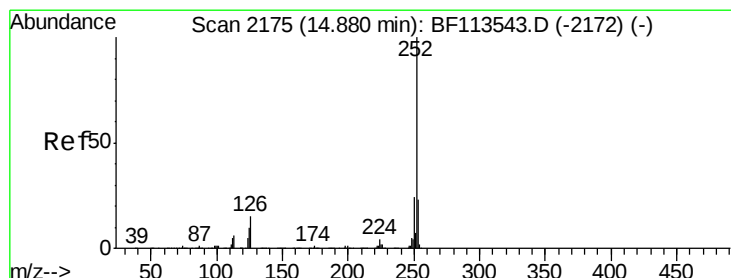
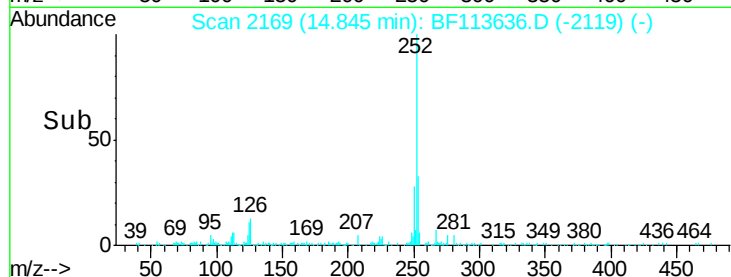
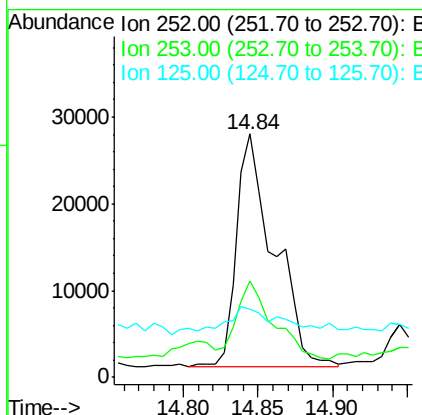
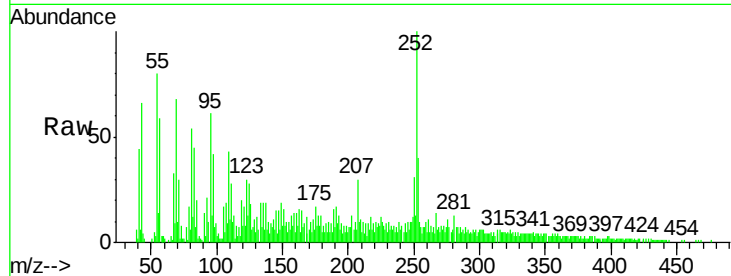




#88
Benzo(b)fluoranthene
Concen: 4.429 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113636.D
Acq: 6 Apr 2019 1:09

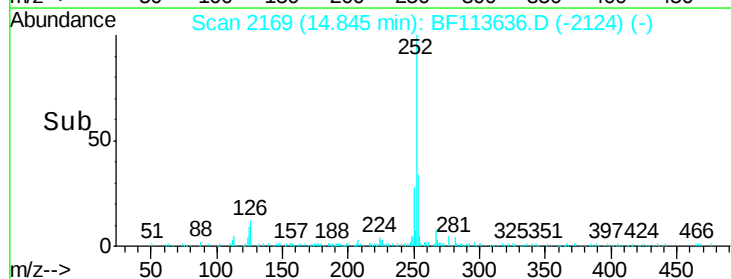
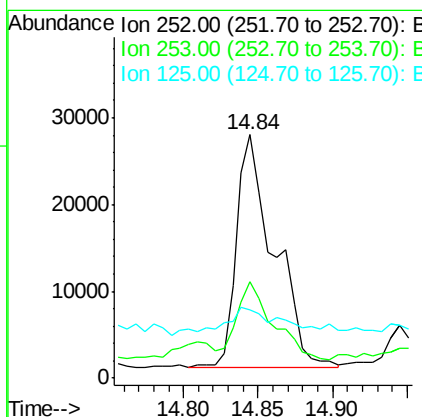
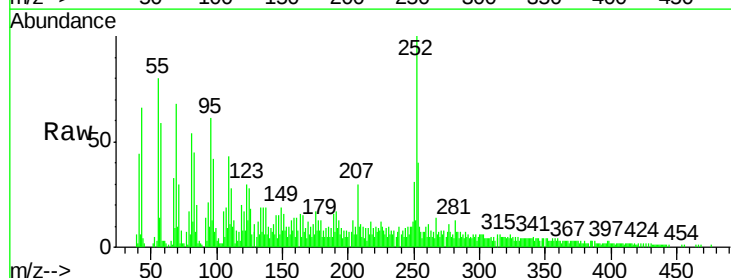
Instrument :
BNA_F
ClientSampleId :

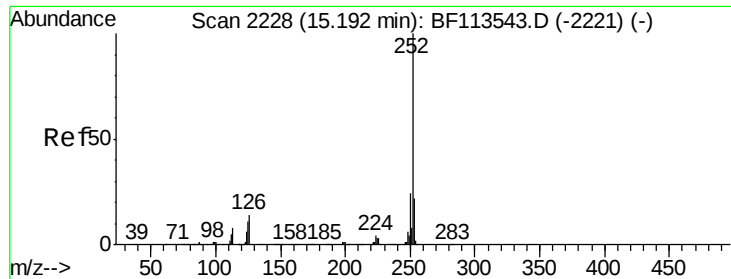
Tot Ion:252 Resp: 47151
Ion Ratio Lower Upper
252 100
253 39.7 18.0 27.0#
125 27.8 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 4.935 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113636.D
Acq: 6 Apr 2019 1:09

Tgt Ion:252 Resp: 47151
Ion Ratio Lower Upper
252 100
253 39.7 17.7 26.5#
125 27.8 7.3 10.9#

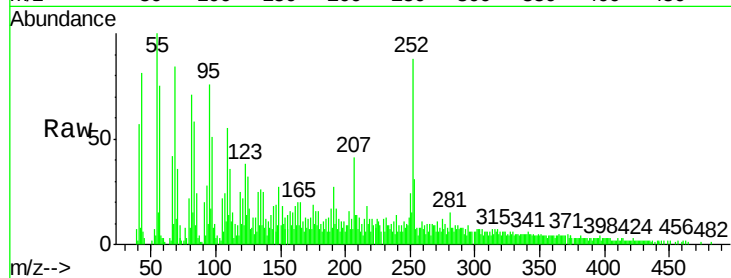




#90
 Benzo(a)pyrene
 Concen: 2.327 ng
 RT: 15.18 min Scan# 2226
 Delta R.T. -0.01 min
 Lab File: BF113636.D
 Acq: 6 Apr 2019 1:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	35.1	17.9	26.9#
125	36.8	8.8	13.2#



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

