

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040519\
 Data File : BF113615.D
 Acq On : 5 Apr 2019 11:21
 Operator : JU/SJ
 Sample : K2213-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S10A(2-10)COMP

Quant Time: Apr 05 14:08:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 05 14:02:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	125054	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	465999	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	227310	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	470535	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	416004	20.00	ng	0.00
87) Perylene-d12	15.23	264	329547	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	872726	119.00	ng	0.00
7) Phenol-d6	6.34	99	1132938	125.34	ng	0.00
23) Nitrobenzene-d5	7.25	82	687471	86.41	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	353808	129.57	ng	-0.01
45) 2-Fluorobiphenyl	9.04	172	1260350	89.26	ng	0.00
79) Terphenyl-d14	12.77	244	1452905	71.11	ng	0.00

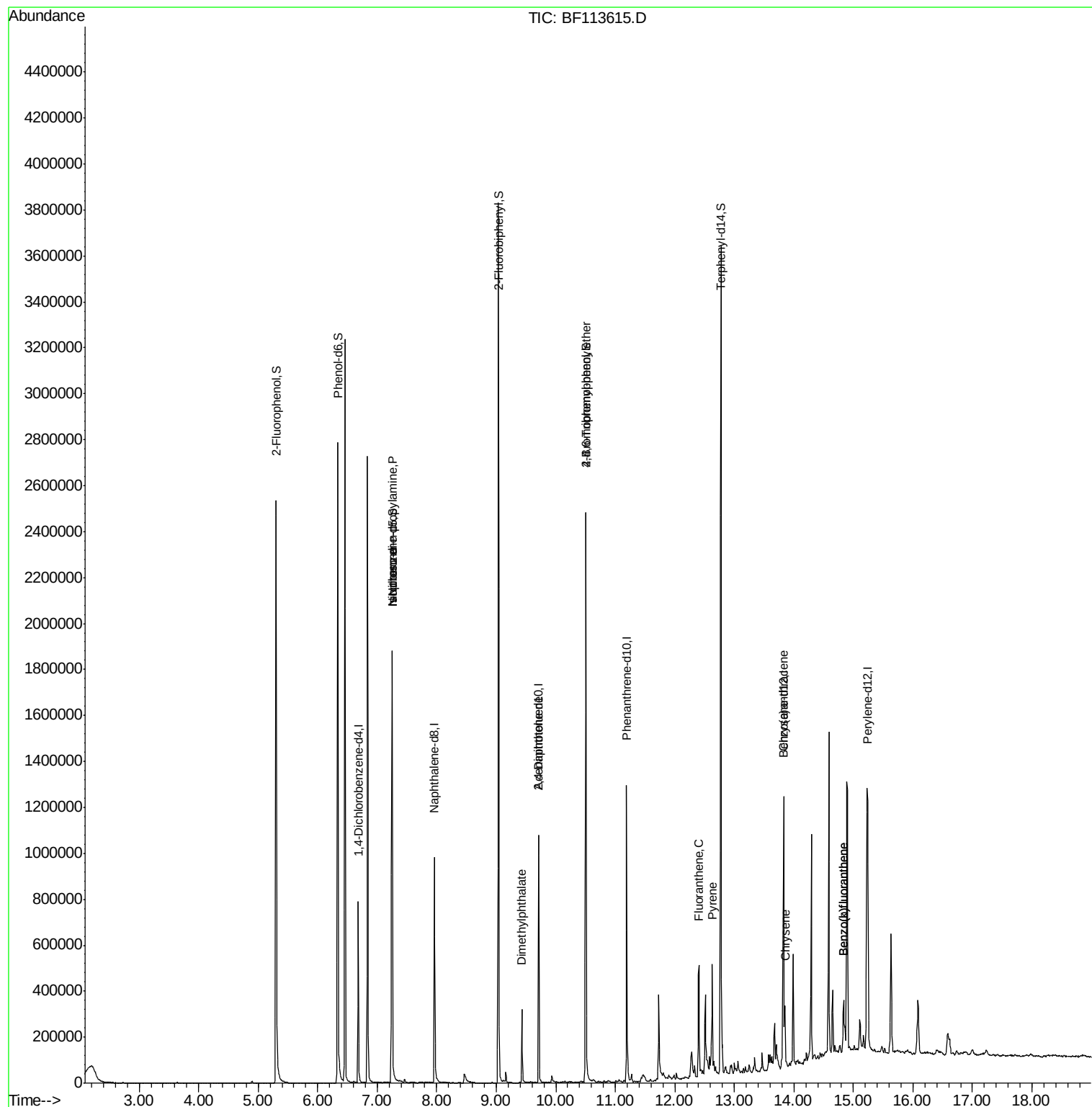
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	87942	15.778	ng	# 77
25) Isophorone	7.25	82	687468	44.858	ng	# 65
50) Dimethylphthalate	9.43	163	130982	7.817	ng	98
57) 2,4-Dinitrotoluene	9.71	165	28721	6.430	ng	# 18
67) 4-Bromophenyl-phenylether	10.50	248	20097	3.808	ng	# 1
75) Fluoranthene	12.40	202	212794	8.493	ng	96
78) Pyrene	12.63	202	189594	5.990	ng	98
81) Benzo(a)anthracene	13.82	228	76885	3.204	ng	98
83) Chrysene	13.85	228	119905	4.929	ng	97
88) Benzo(b)fluoranthene	14.83	252	151473	7.509	ng	97
89) Benzo(k)fluoranthene	14.83	252	151473	8.367	ng	98

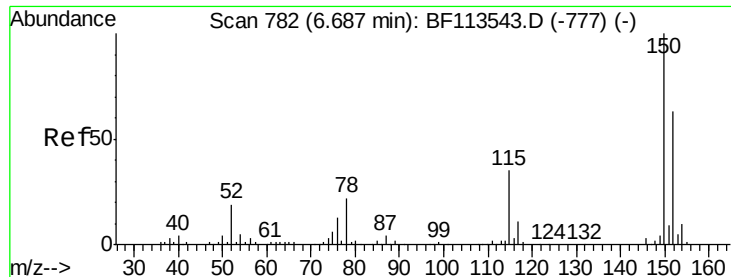
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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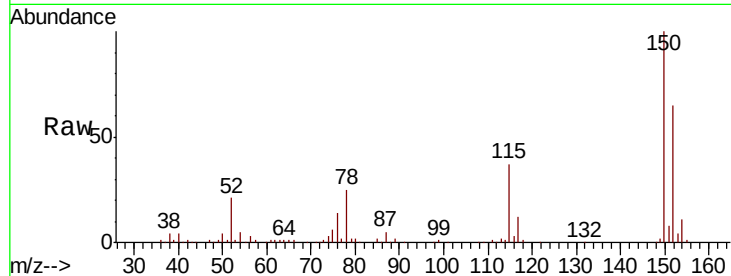


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113615.D
Acq: 5 Apr 2019 11:21

Instrument :
BNA_F
ClientSampleId :
S10A(2-10)COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.3	186.5
115	56.7	44.8	67.2

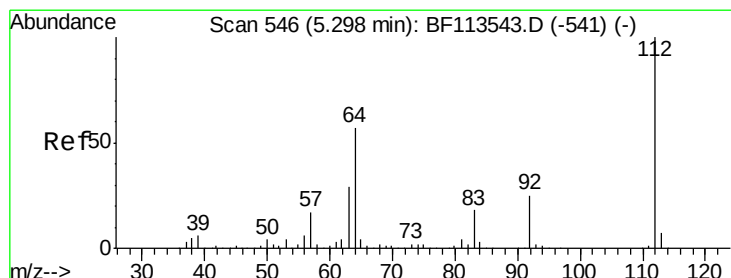
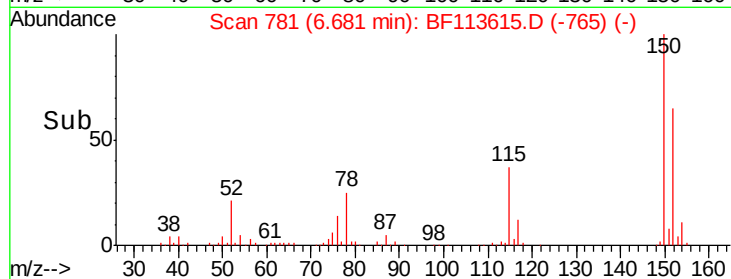
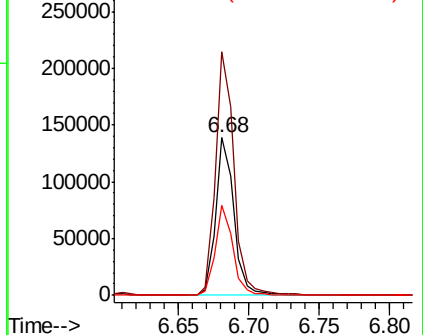


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

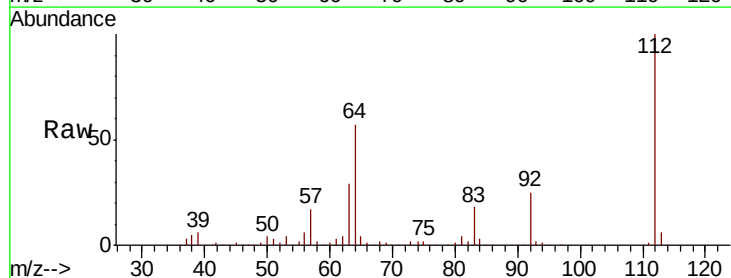
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.004 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF113615.D
Acq: 5 Apr 2019 11:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.3	70.9
63	28.9	24.0	36.0

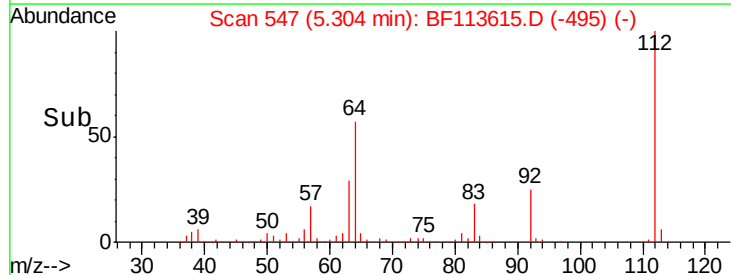
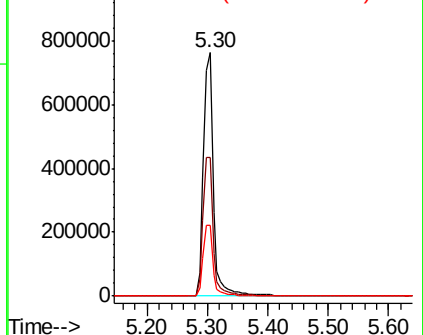


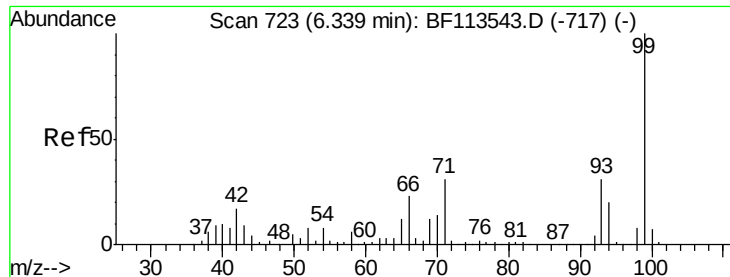
Abundance

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: 125.344 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF113615.D

Acq: 5 Apr 2019 11:21

Instrument :

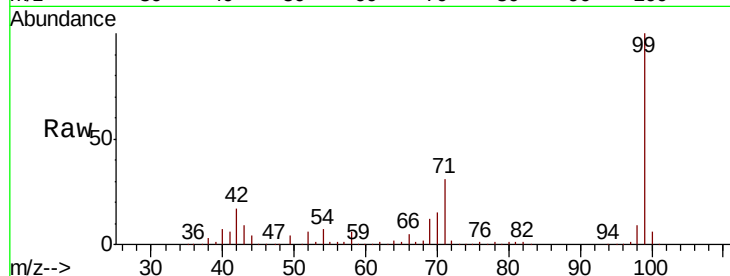
BNA_F

ClientSampleId :

S10A(2-10)COMP

Tot Ion: 99 Resp: 1132938

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.9	22.3
71	31.0	25.1	37.7

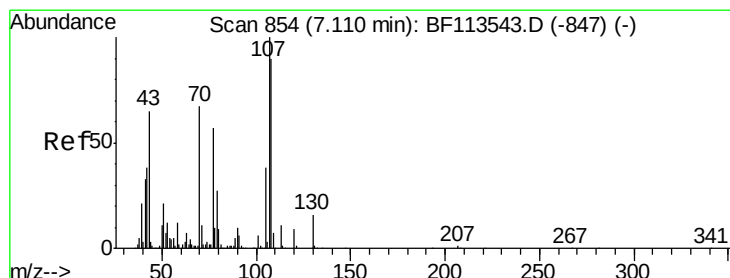
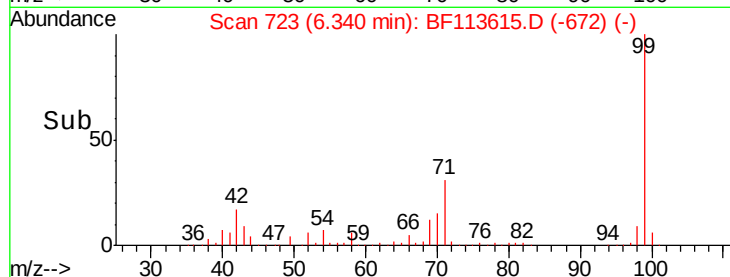
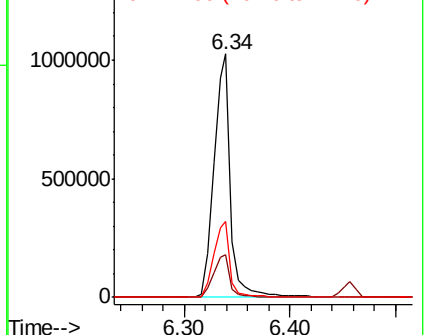


Abundance

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: 15.778 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.14 min

Lab File: BF113615.D

Acq: 5 Apr 2019 11:21

Tgt Ion: 70 Resp: 87942

Ion	Ratio	Lower	Upper
70	100		
42	47.3	47.6	71.4#
101	0.0	7.8	11.6#
130	2.2	17.4	26.2#

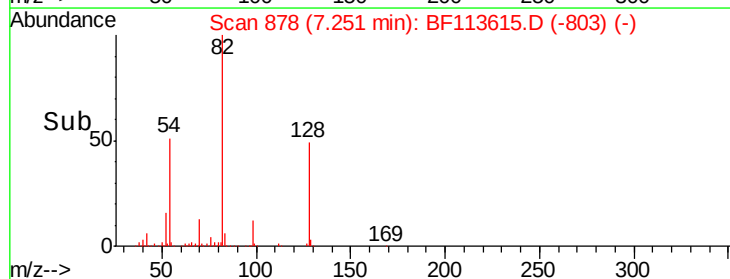
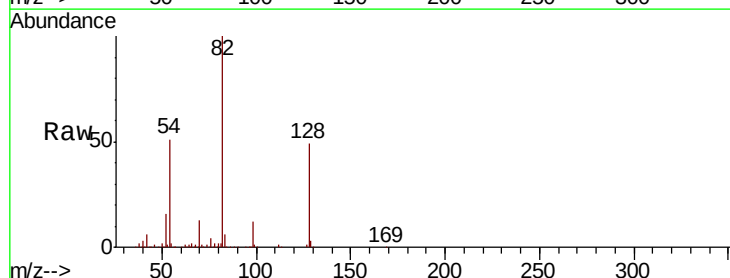
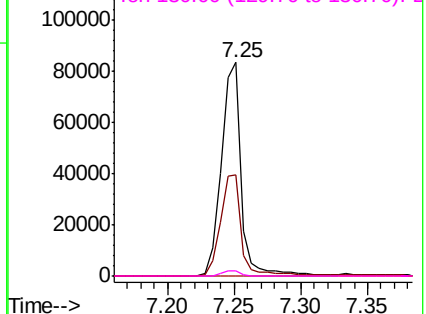
Abundance

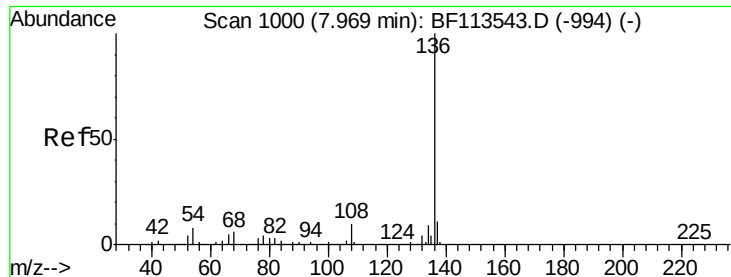
Ion 70.00 (69.70 to 70.70): BF1

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: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF113615.D

Acq: 5 Apr 2019 11:21

Instrument :

BNA_F

ClientSampleId :

S10A(2-10)COMP

Tot Ion:136 Resp: 465999

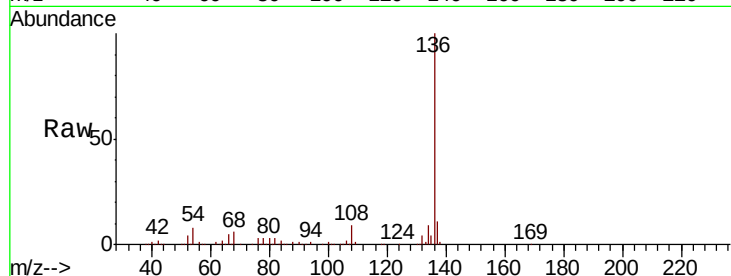
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 8.2 7.0 10.4

68 5.9 5.0 7.4

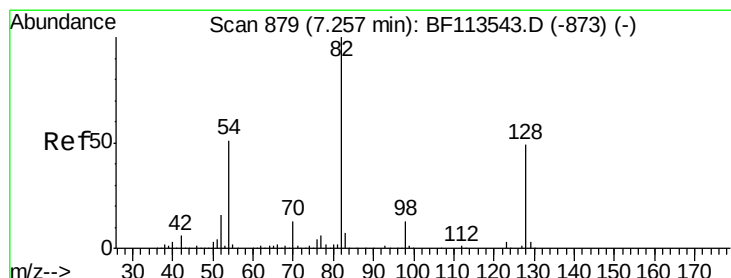
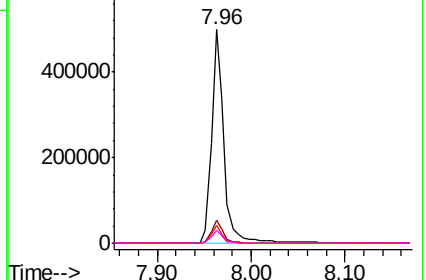
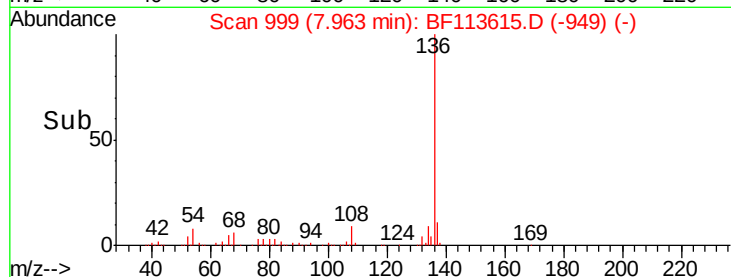


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.414 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF113615.D

Acq: 5 Apr 2019 11:21

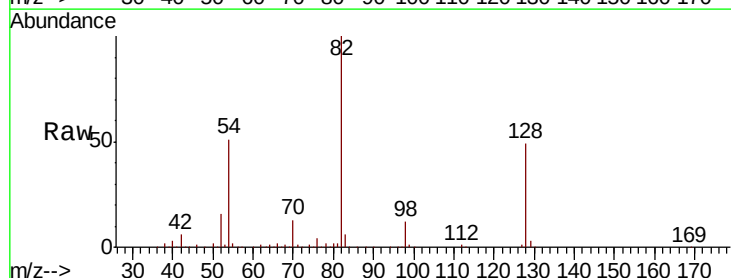
Tgt Ion: 82 Resp: 687471

Ion Ratio Lower Upper

82 100

128 49.0 37.9 56.9

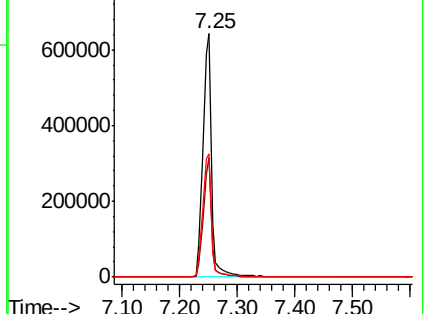
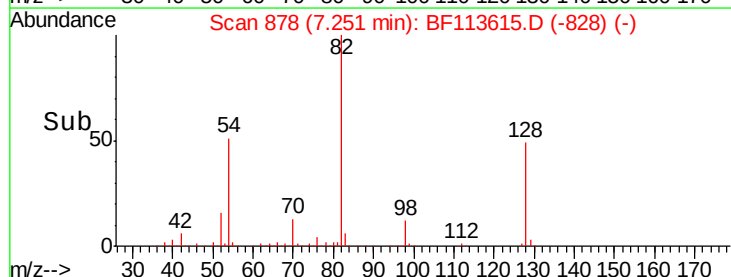
54 50.8 41.8 62.8

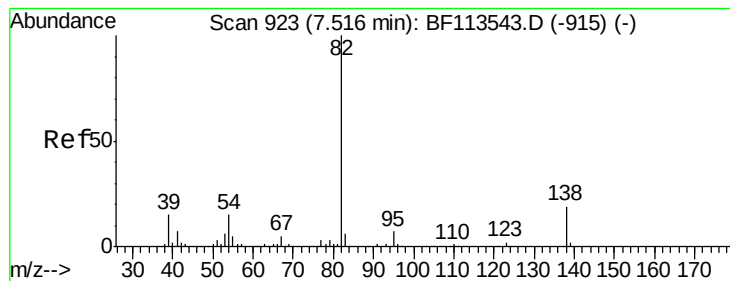


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.858 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.26 min

Lab File: BF113615.D

Acq: 5 Apr 2019 11:21

Instrument :

BNA_F

ClientSampleId :

S10A(2-10)COMP

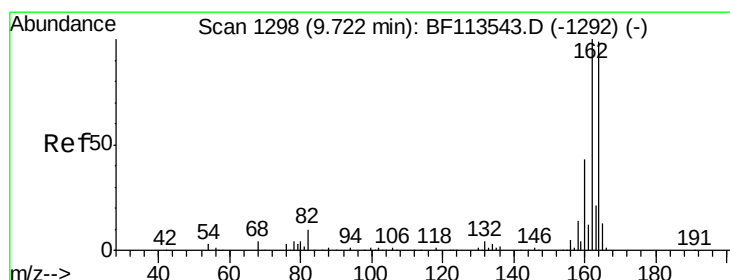
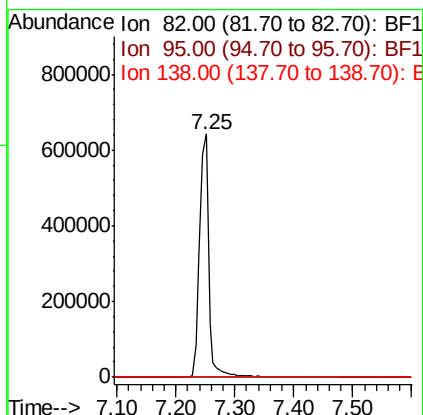
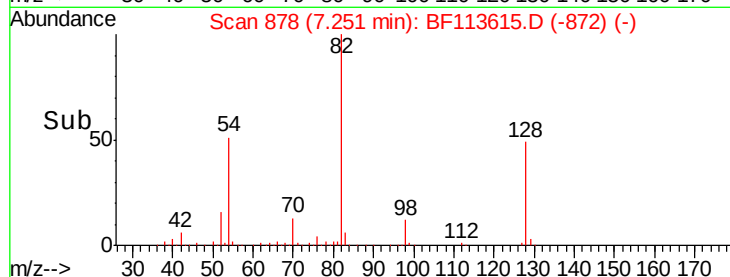
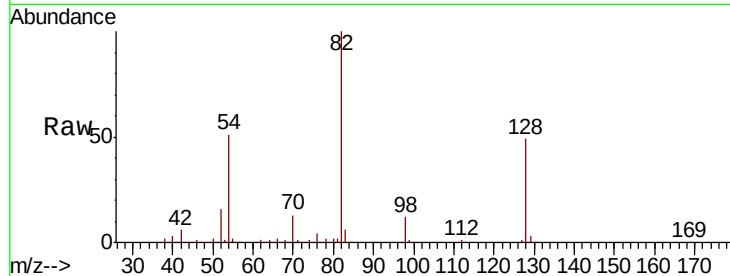
Tot Ion: 82 Resp: 687468

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF113615.D

Acq: 5 Apr 2019 11:21

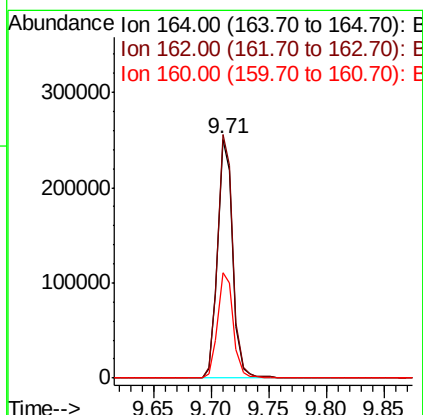
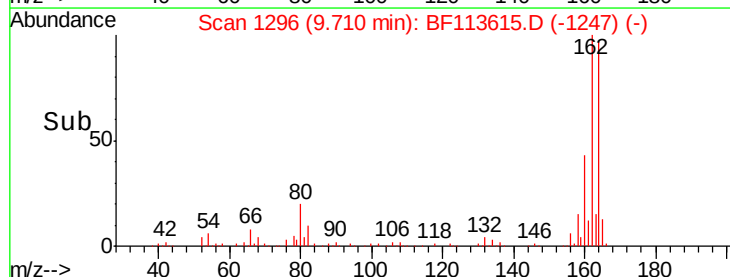
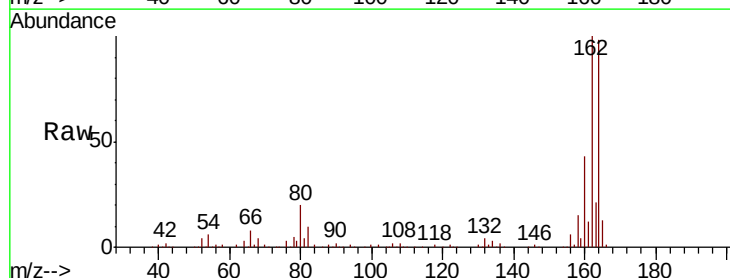
Tgt Ion:164 Resp: 227310

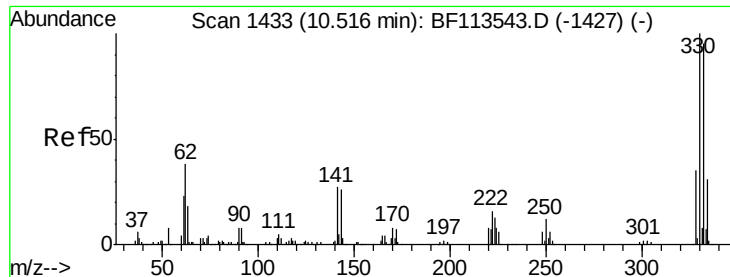
Ion Ratio Lower Upper

164 100

162 102.1 81.6 122.4

160 44.0 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 129.574 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF113615.D

Acq: 5 Apr 2019 11:21

Instrument :

BNA_F

ClientSampleId :

S10A(2-10)COMP

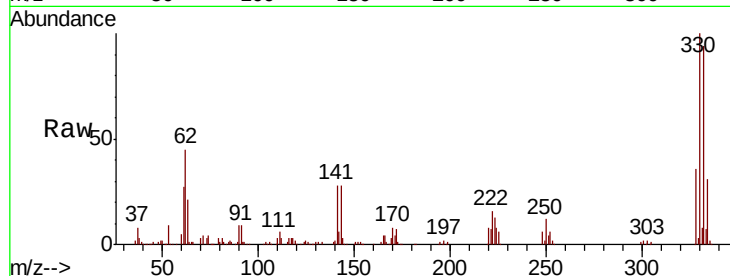
Tot Ion:330 Resp: 353808

Ion Ratio Lower Upper

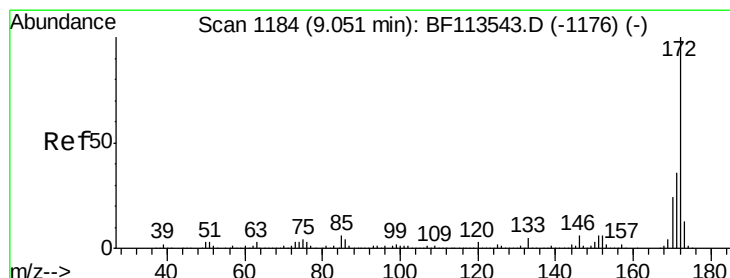
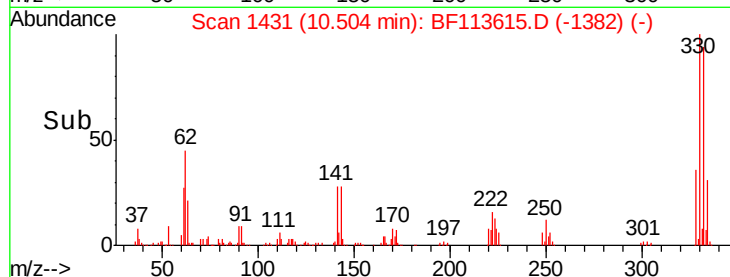
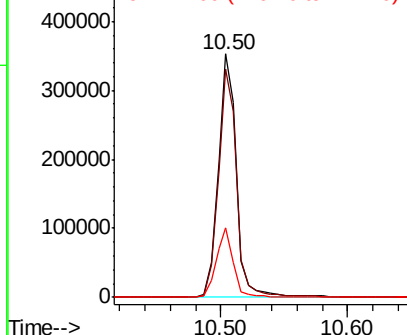
330 100

332 96.1 76.8 115.2

141 27.3 21.1 31.7



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: 89.263 ng

RT: 9.04 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF113615.D

Acq: 5 Apr 2019 11:21

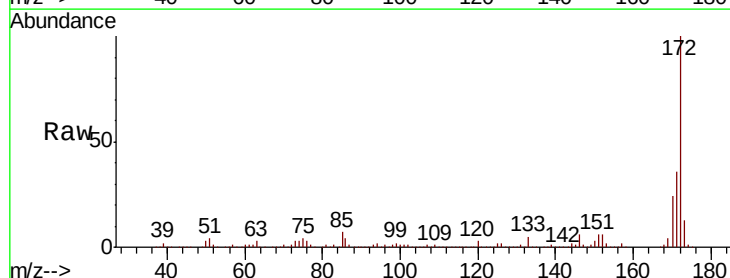
Tgt Ion:172 Resp: 1260350

Ion Ratio Lower Upper

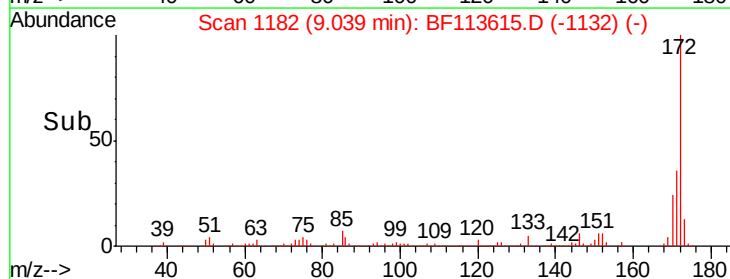
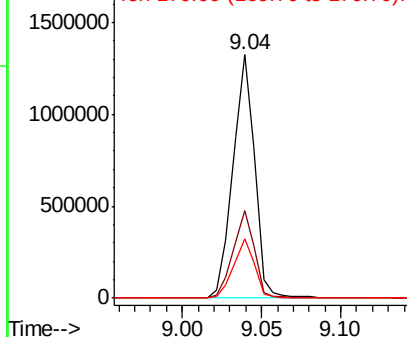
172 100

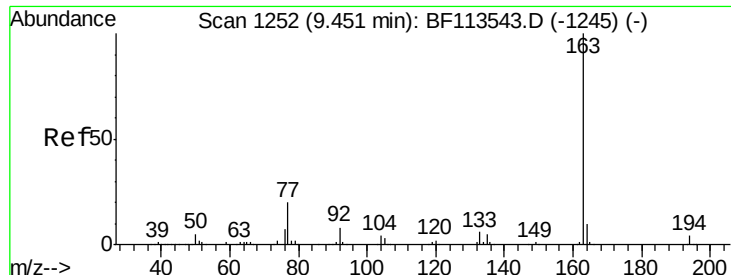
171 35.8 29.0 43.4

170 24.4 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

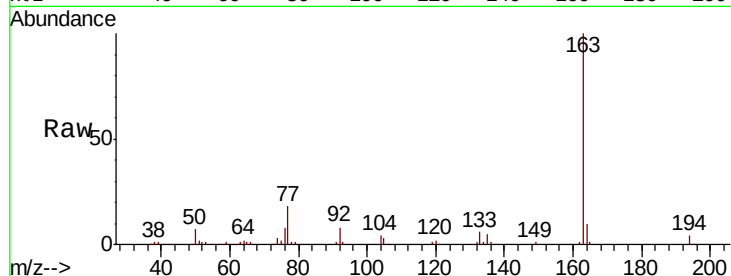




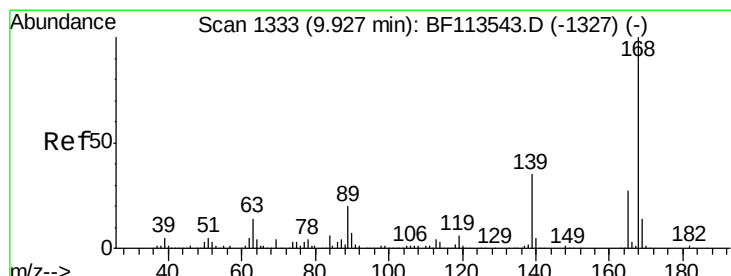
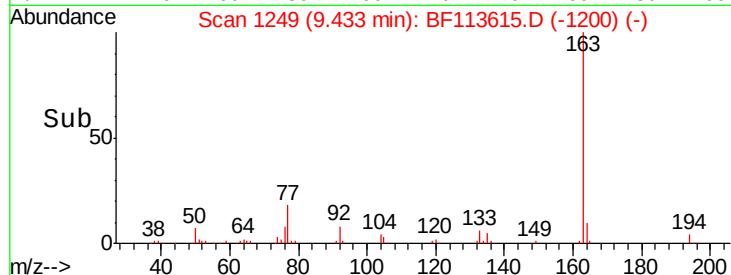
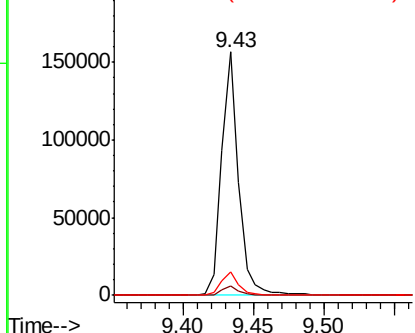
#50
Dimethylphthalate
Concen: 7.817 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF113615.D
Acq: 5 Apr 2019 11:21

Instrument :
BNA_F
ClientSampleId :
S10A(2-10)COMP

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	9.8	8.5	12.7



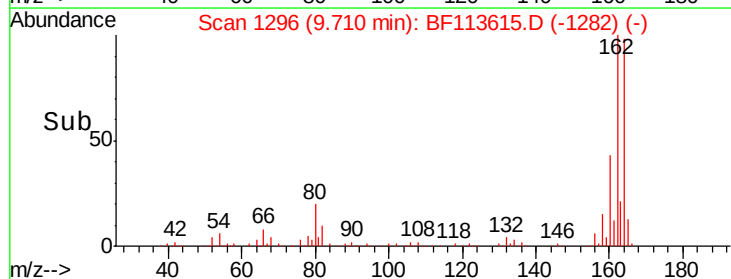
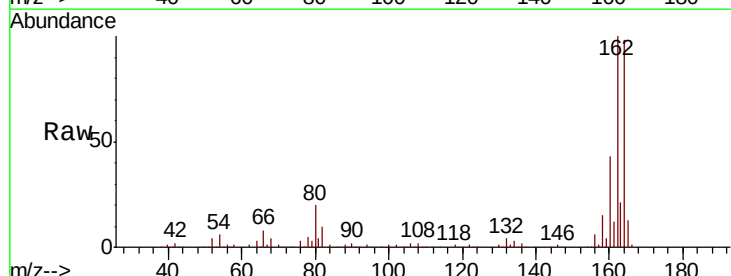
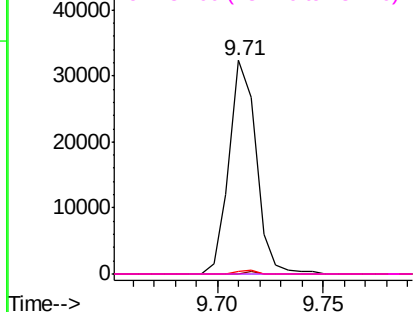
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

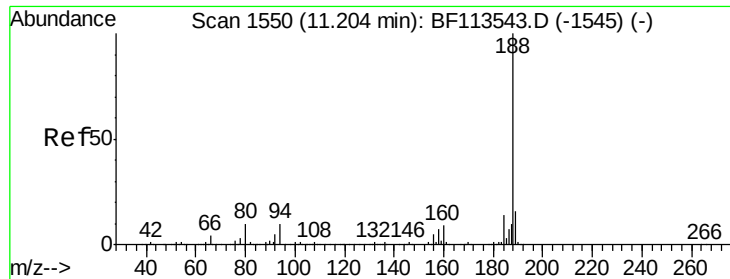


#57
2,4-Dinitrotoluene
Concen: 6.430 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.22 min
Lab File: BF113615.D
Acq: 5 Apr 2019 11:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	46.2	69.4#
89	1.3	61.8	92.8#
182	0.0	2.1	3.1#

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

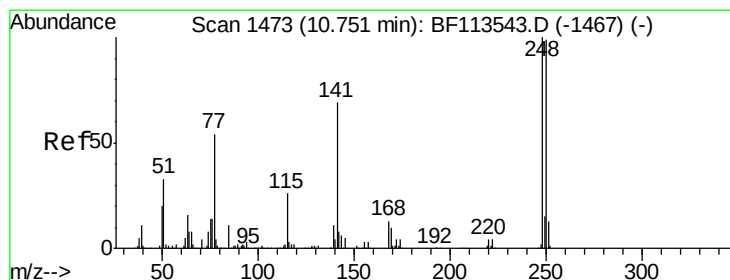
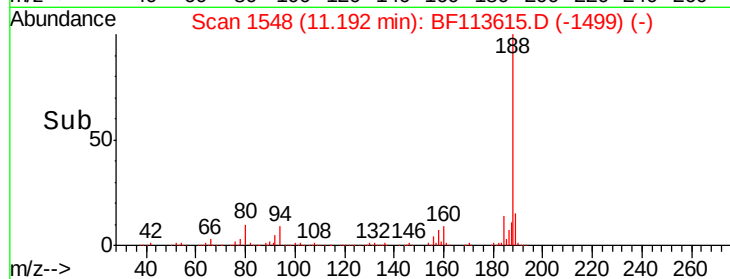
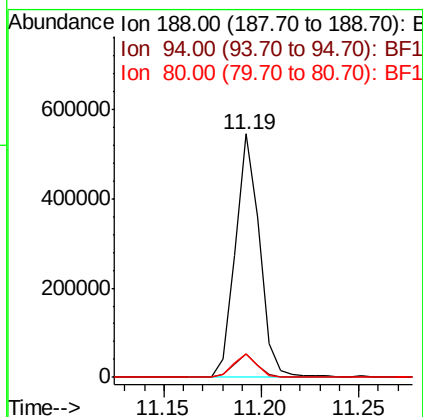
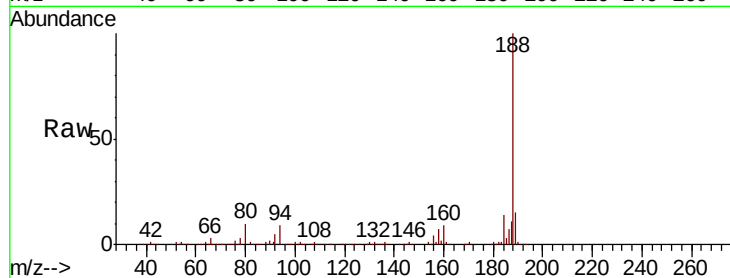




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF113615.D
Acq: 5 Apr 2019 11:21

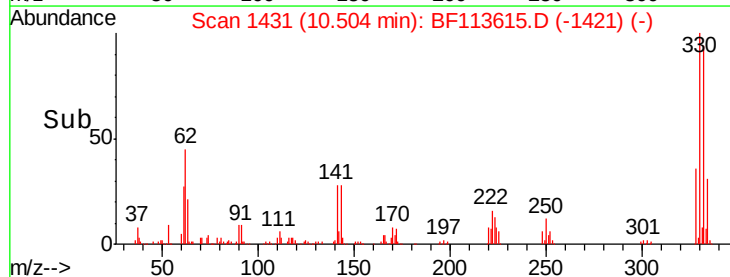
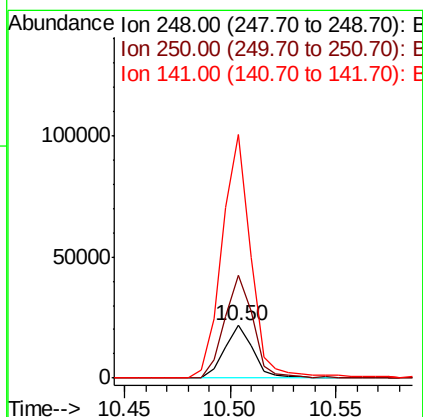
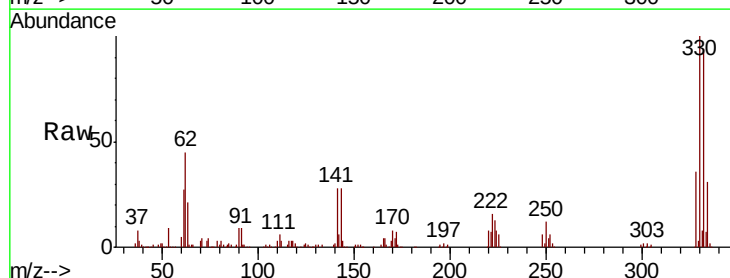
Instrument :
BNA_F
ClientSampleId :
S10A(2-10)COMP

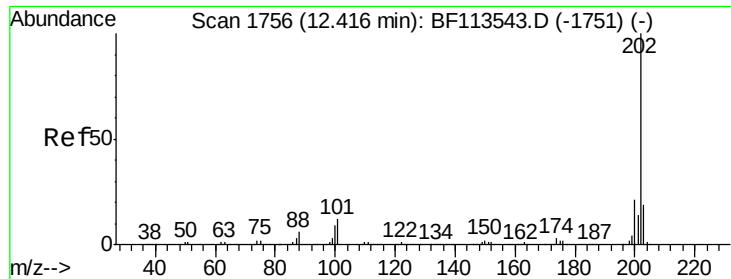
Tot Ion:188 Resp: 470535
Ion Ratio Lower Upper
188 100
94 9.5 6.6 10.0
80 9.9 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 3.808 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.24 min
Lab File: BF113615.D
Acq: 5 Apr 2019 11:21

Tgt Ion:248 Resp: 20097
Ion Ratio Lower Upper
248 100
250 196.1 76.9 115.3#
141 462.4 54.2 81.2#





#75

Fluoranthene

Concen: 8.493 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113615.D

Acq: 5 Apr 2019 11:21

Instrument :

BNA_F

ClientSampleId :

S10A(2-10)COMP

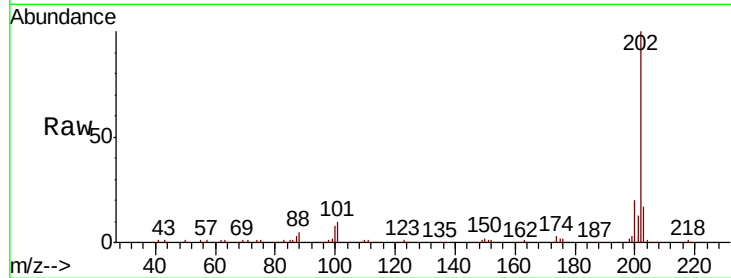
Tot Ion:202 Resp: 212794

Ion Ratio Lower Upper

202 100

101 9.6 0.0 32.1

203 16.9 0.0 37.9

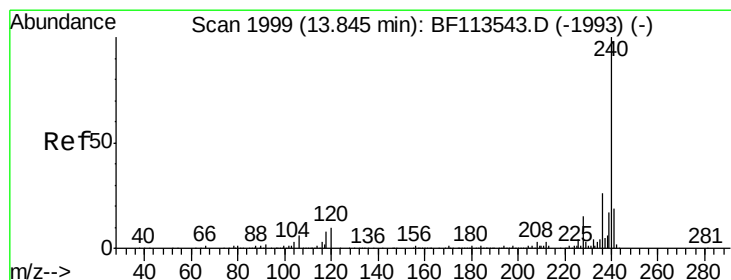
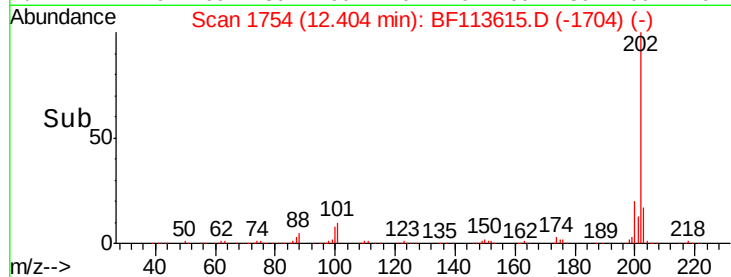
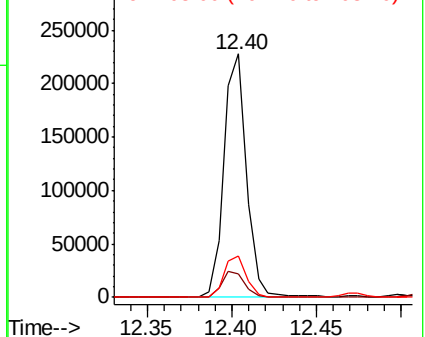


Abundance

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# 1996

Delta R.T. -0.01 min

Lab File: BF113615.D

Acq: 5 Apr 2019 11:21

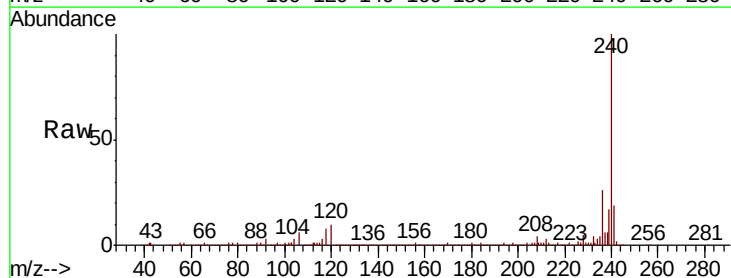
Tgt Ion:240 Resp: 416004

Ion Ratio Lower Upper

240 100

120 9.7 9.7 14.5

236 26.3 20.3 30.5

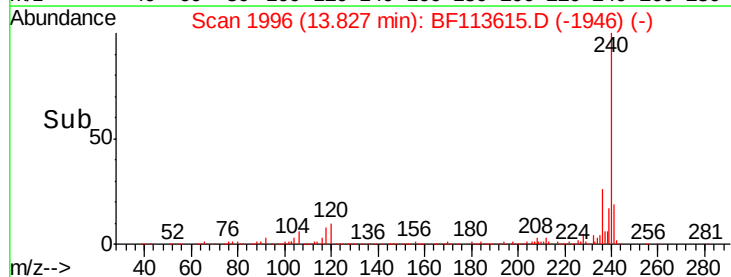
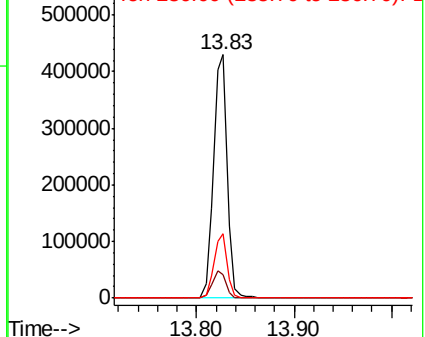


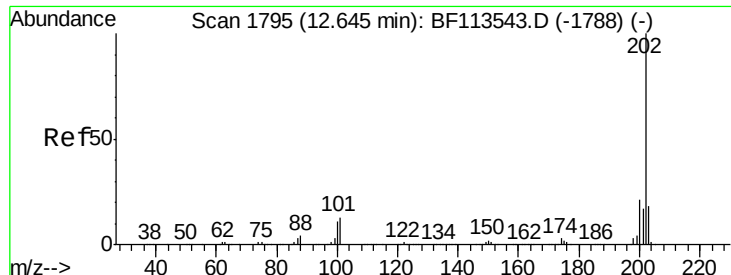
Abundance

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

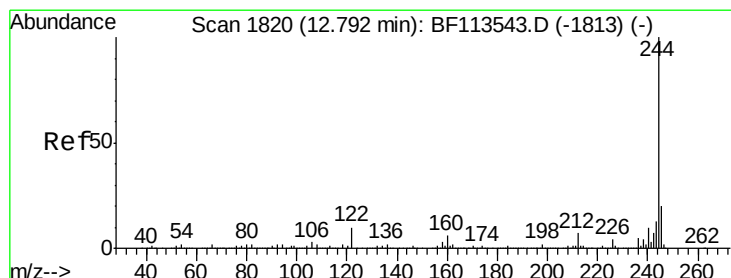
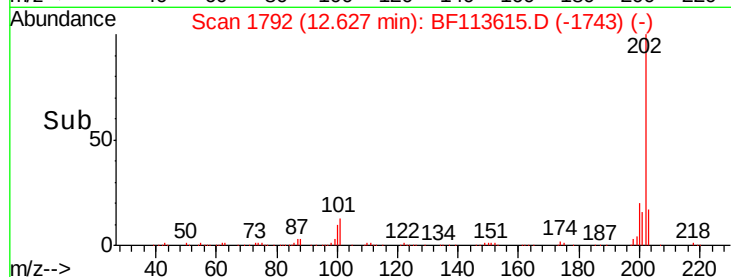
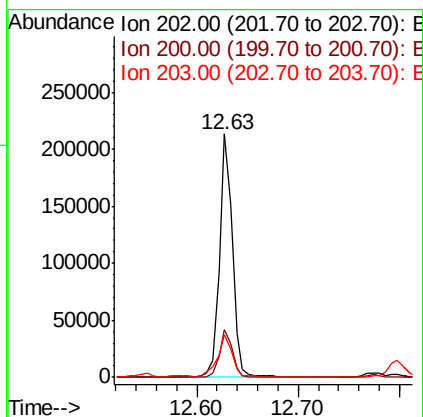
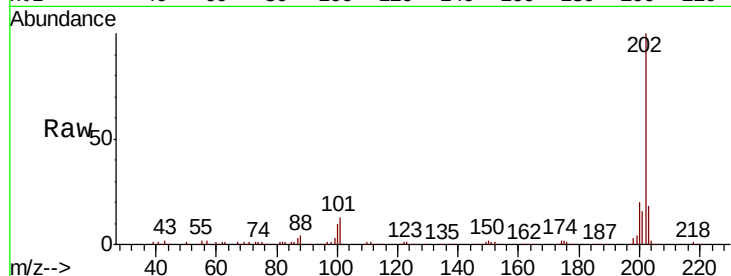




#78
Pvrene
Concen: 5.990 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF113615.D
Acq: 5 Apr 2019 11:21

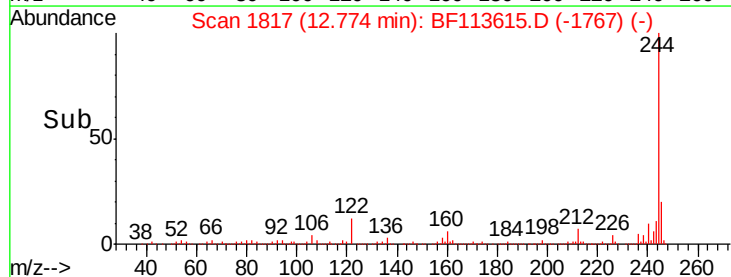
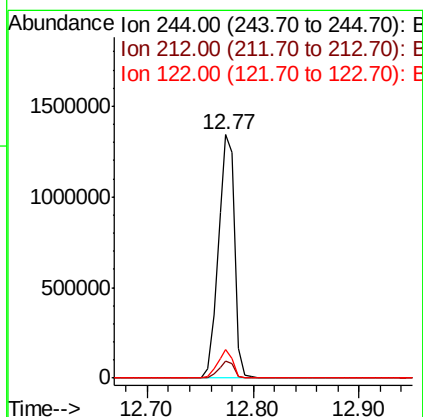
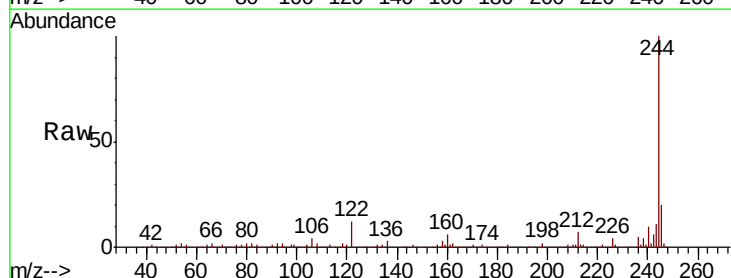
Instrument :
BNA_F
ClientSampleId :
S10A(2-10)COMP

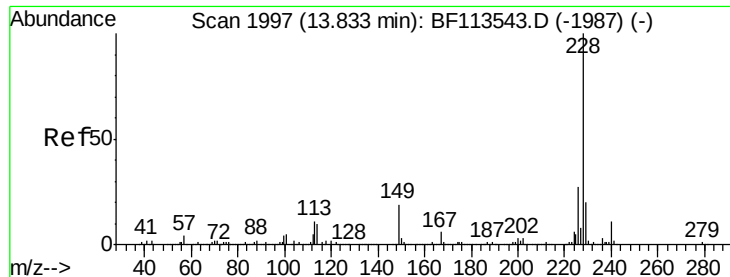
Tot Ion:202 Resp: 189594
Ion Ratio Lower Upper
202 100
200 19.7 16.9 25.3
203 17.5 14.7 22.1



#79
Terphenyl-d14
Concen: 71.108 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF113615.D
Acq: 5 Apr 2019 11:21

Tgt Ion:244 Resp: 1452905
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 11.6 9.0 13.6





#81

Benzo(a)anthracene

Concen: 3.204 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF113615.D

Acq: 5 Apr 2019 11:21

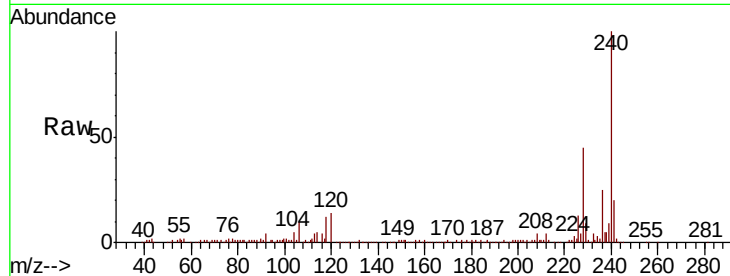
Instrument :

BNA_F

ClientSampleId :

S10A(2-10)COMP

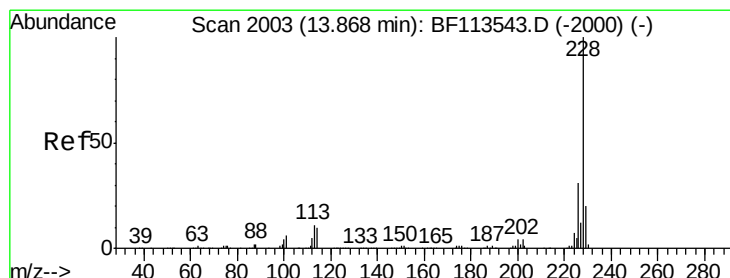
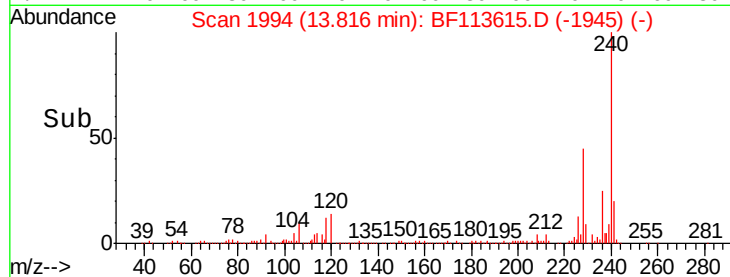
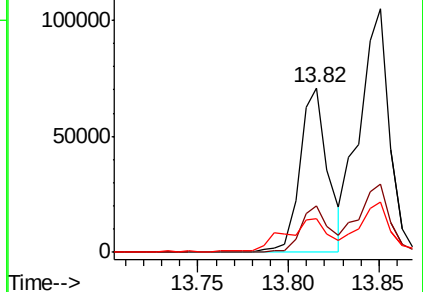
Tot Ion:228	Resp:	76885
Ion	Ratio	Lower Upper
228	100	
226	28.3	21.7 32.5
229	20.5	16.0 24.0



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: 4.929 ng

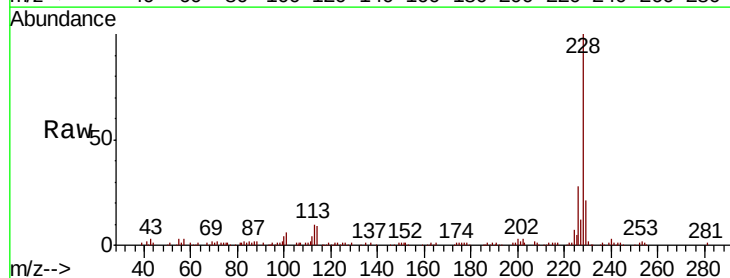
RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113615.D

Acq: 5 Apr 2019 11:21

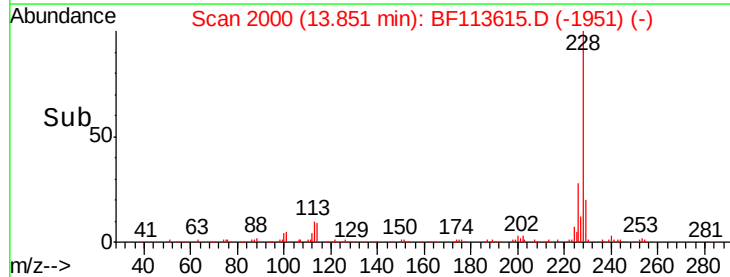
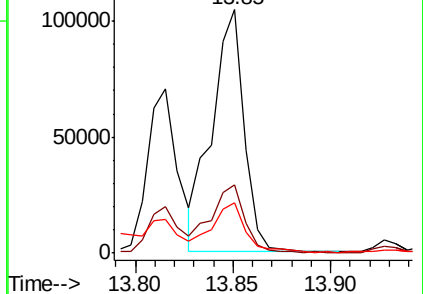
Tgt Ion:228	Resp:	119905
Ion	Ratio	Lower Upper
228	100	
226	28.1	24.2 36.4
229	20.8	16.2 24.2

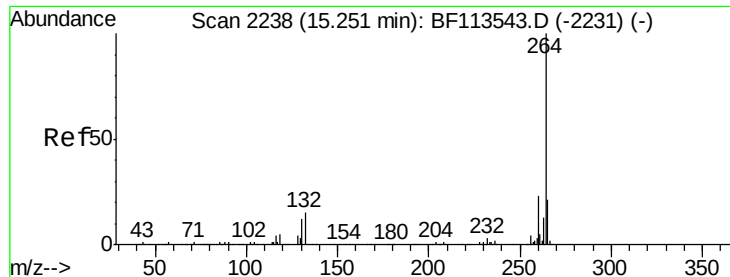


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



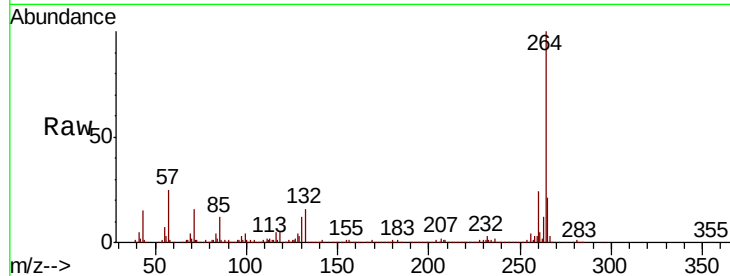


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF113615.D
Acq: 5 Apr 2019 11:21

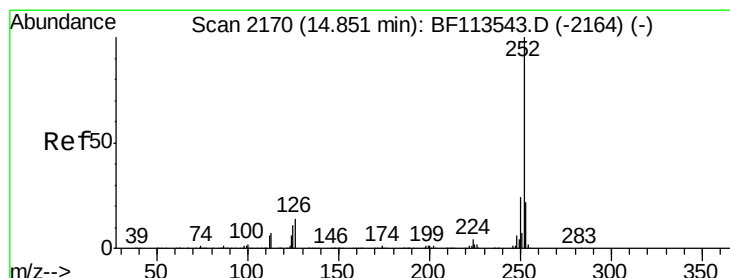
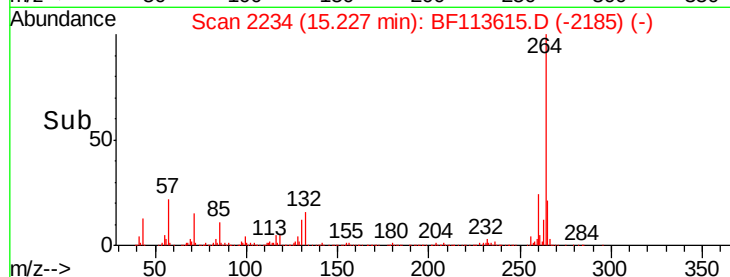
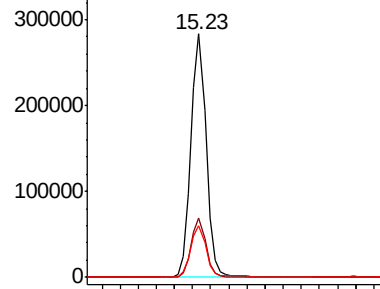
Instrument :
BNA_F
ClientSampleId :
S10A(2-10)COMP

Tot Ion:264 Resp: 329547

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.3	27.5
265	21.3	16.9	25.3



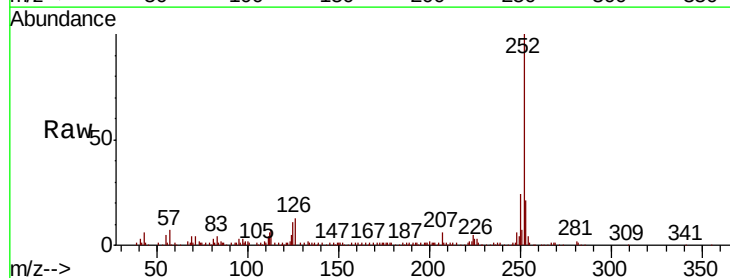
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



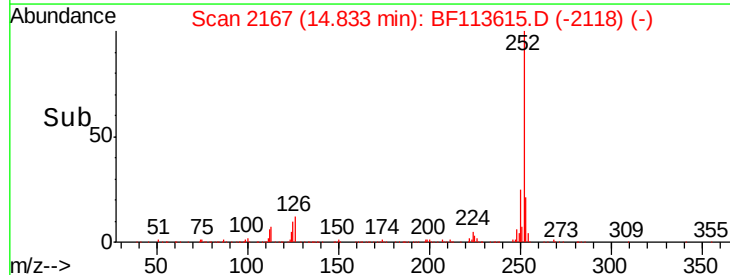
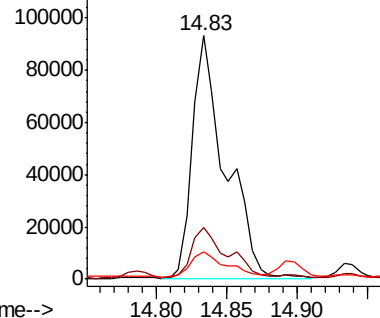
#88
Benzo(b)fluoranthene
Concen: 7.509 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BF113615.D
Acq: 5 Apr 2019 11:21

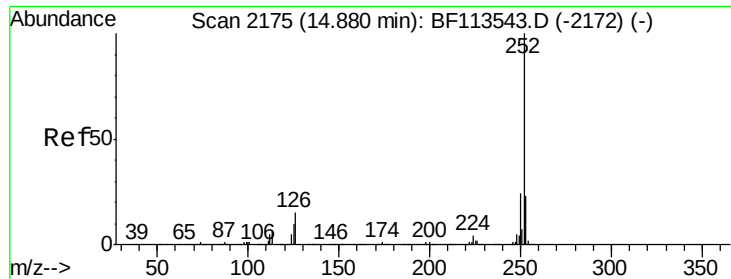
Tgt Ion:252 Resp: 151473

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.9	26.9
125	11.2	7.4	11.2



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





#89

Benzo(k)fluoranthene

Concen: 8.367 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.04 min

Lab File: BF113615.D

Acq: 5 Apr 2019 11:21

Instrument :

BNA_F

ClientSampleId :

S10A(2-10)COMP

Tot Ion:252 Resp: 151473

Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.6

125 11.2 8.2 12.4

