

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113211.D
 Acq On : 21 Mar 2019 16:30
 Operator : JU/SJ
 Sample : K1694-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-032019-A

Quant Time: Mar 22 00:43:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

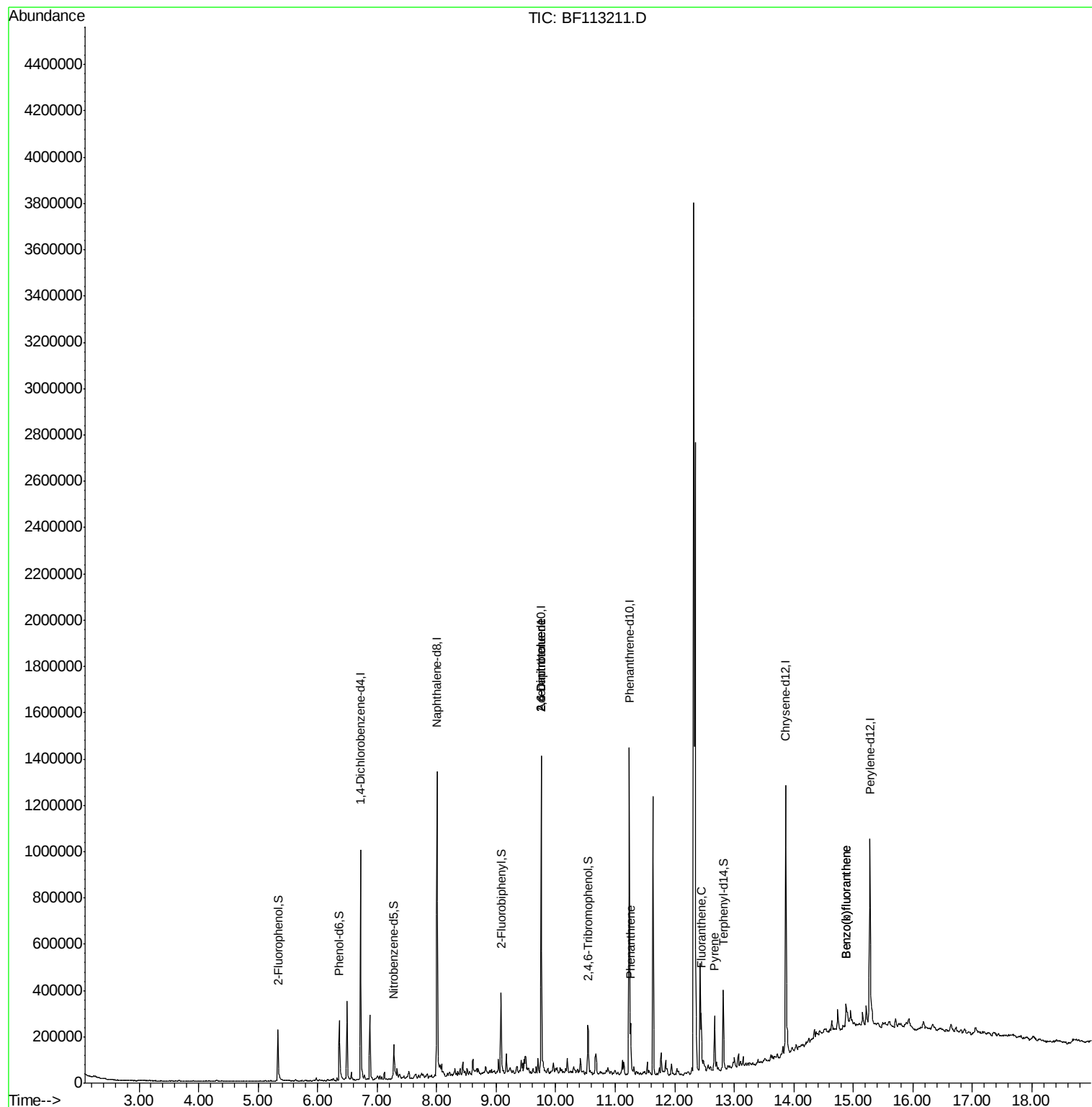
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	154883	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	618120	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	289736	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	555815	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	405619	20.00	ng	0.00
87) Perylene-d12	15.27	264	389047	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	82838	8.32	ng	-0.01
7) Phenol-d6	6.36	99	119181	9.53	ng	-0.01
23) Nitrobenzene-d5	7.28	82	61468	5.95	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	32632	10.61	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	135783	4.88	ng	-0.01
79) Terphenyl-d14	12.82	244	122489	5.85	ng	0.00
Target Compounds						
51) 2,6-Dinitrotoluene	9.75	165	38594	8.675	ng	# 18
57) 2,4-Dinitrotoluene	9.75	165	38907	7.036	ng	# 18
71) Phenanthrene	11.26	178	67412	2.438	ng	99
75) Fluoranthene	12.45	202	107368	3.624	ng	95
78) Pyrene	12.67	202	97078	2.839	ng	99
88) Benzo(b)fluoranthene	14.87	252	70194	2.789	ng	# 95
89) Benzo(k)fluoranthene	14.87	252	70194	3.079	ng	# 95

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

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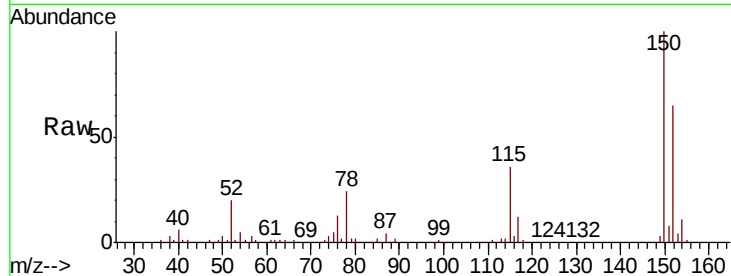


#1

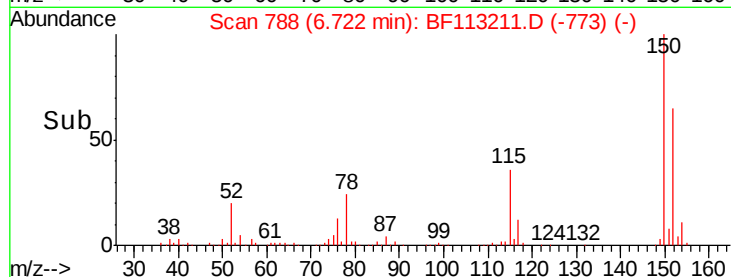
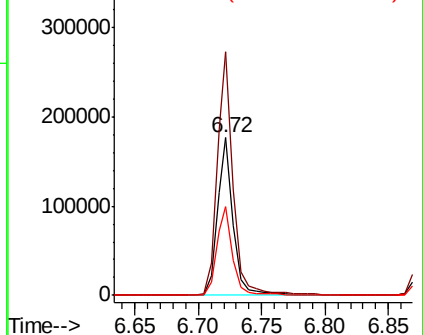
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113211.D
Acq: 21 Mar 2019 16:30

Instrument :
BNA_F
ClientSampleId :
EO-02-032019-A

Tgt Ion:152 Resp: 154883
Ion Ratio Lower Upper
152 100
150 154.3 124.2 186.2
115 56.3 48.2 72.4



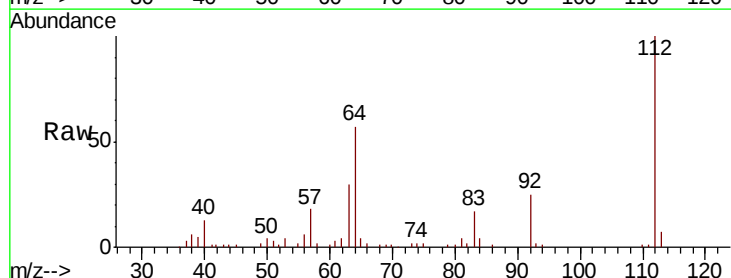
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



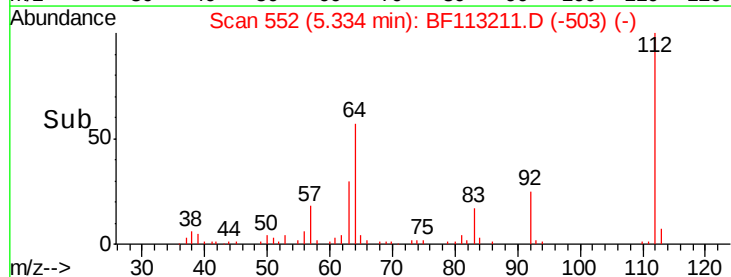
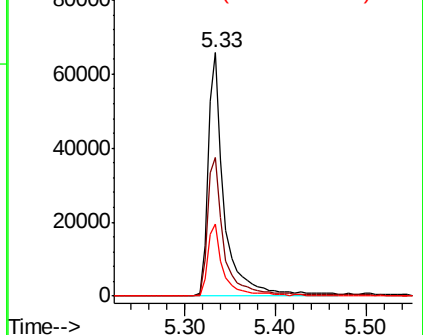
#5

2-Fluorophenol
Concen: 8.320 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113211.D
Acq: 21 Mar 2019 16:30

Tgt Ion:112 Resp: 82838
Ion Ratio Lower Upper
112 100
64 56.8 47.6 71.4
63 29.7 24.4 36.6



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: 9.529 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113211.D

Acq: 21 Mar 2019 16:30

Instrument :

BNA_F

ClientSampleId :

EO-02-032019-A

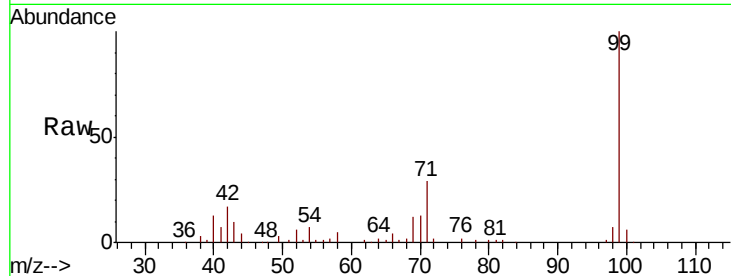
Tgt Ion: 99 Resp: 119181

Ion Ratio Lower Upper

99 100

42 17.0 16.3 24.5

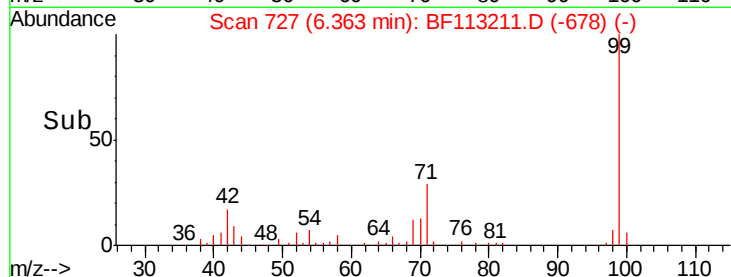
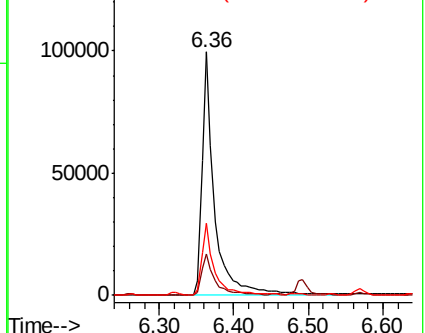
71 29.4 26.2 39.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113211.D

Acq: 21 Mar 2019 16:30

Tgt Ion: 136 Resp: 618120

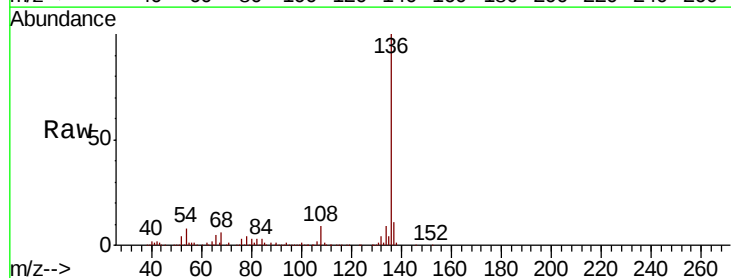
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.0 7.3 10.9

68 6.1 5.4 8.2

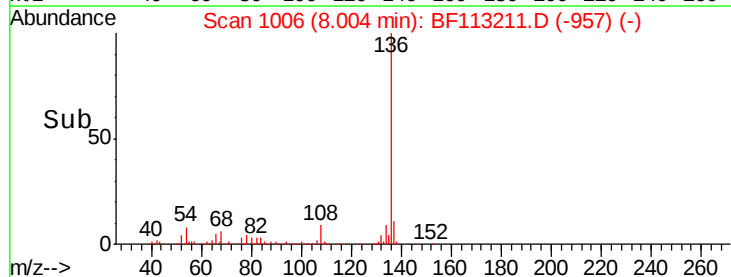
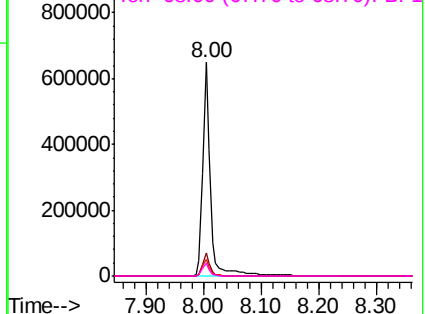


Abundance Ion 136.00 (135.70 to 136.70): E

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

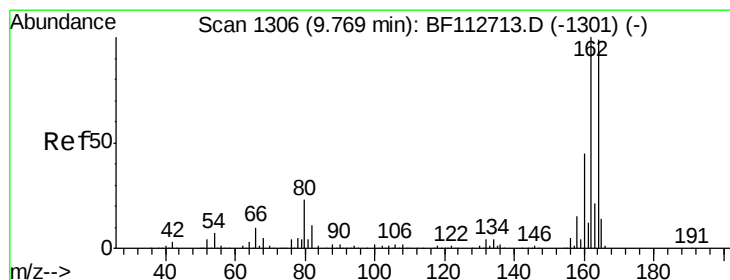
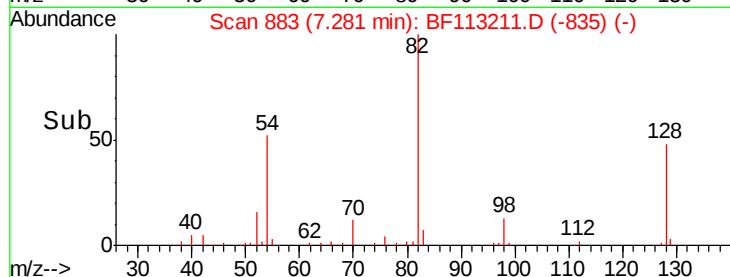
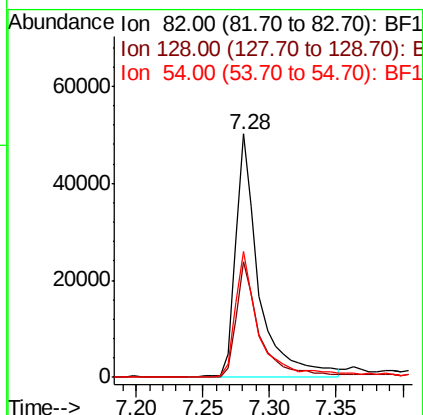
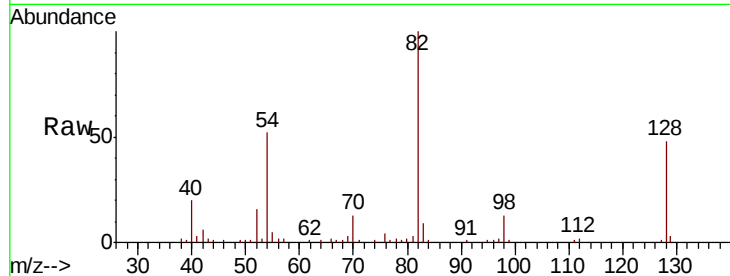




#23
 Nitrobenzene-d5
 Concen: 5.950 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF113211.D
 Acq: 21 Mar 2019 16:30

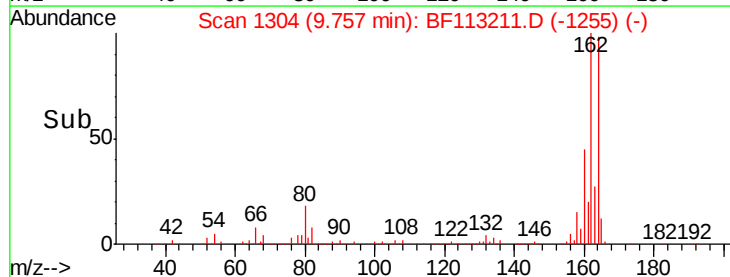
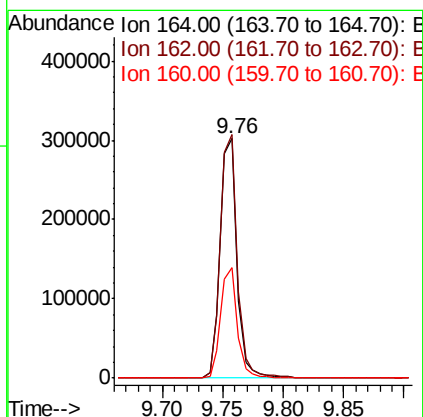
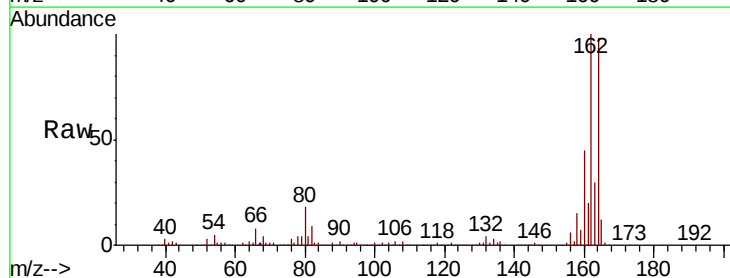
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-032019-A

Tgt Ion: 82 Resp: 61468
 Ion Ratio Lower Upper
 82 100
 128 47.7 36.3 54.5
 54 51.5 43.7 65.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113211.D
 Acq: 21 Mar 2019 16:30

Tgt Ion: 164 Resp: 289736
 Ion Ratio Lower Upper
 164 100
 162 101.6 80.6 120.8
 160 46.0 36.0 54.0

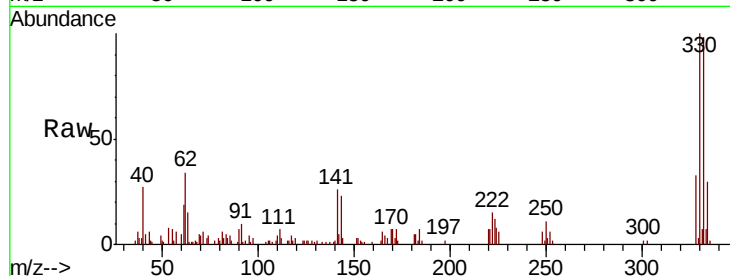




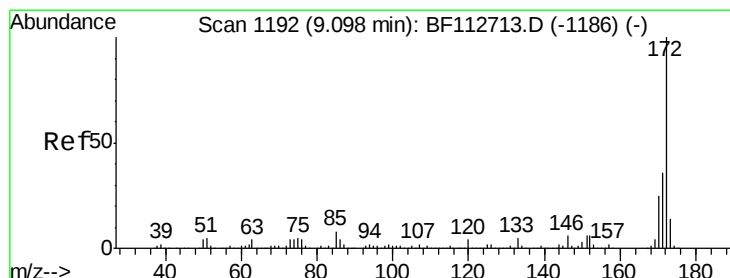
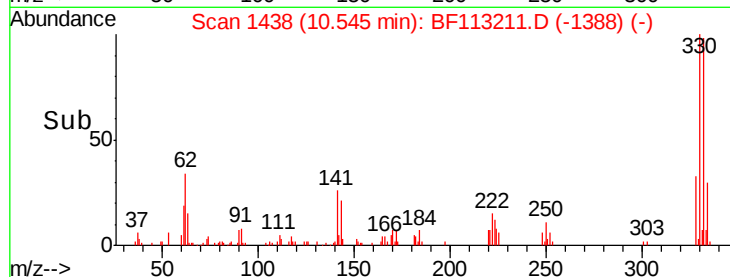
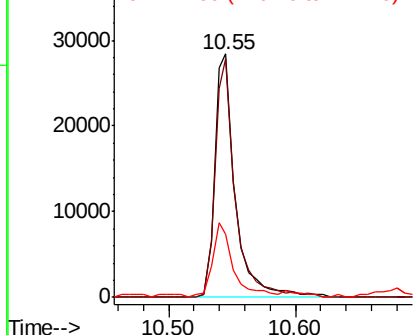
#42
 2,4,6-Tribromophenol
 Concen: 10.609 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113211.D
 Acq: 21 Mar 2019 16:30

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-032019-A

Tgt Ion:330 Resp: 32632
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.2 114.4
 141 31.2 27.0 40.6

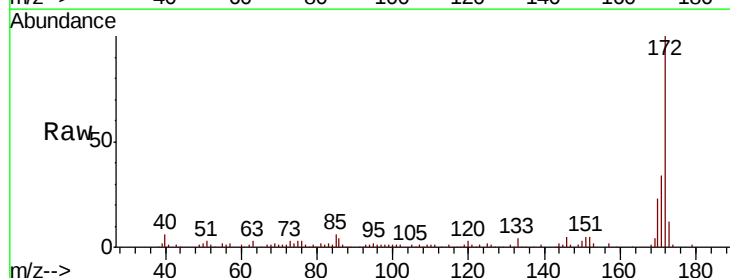


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

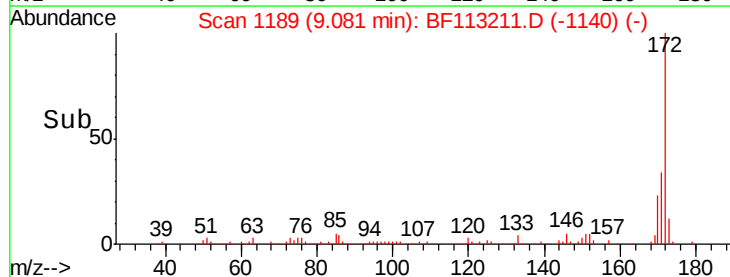
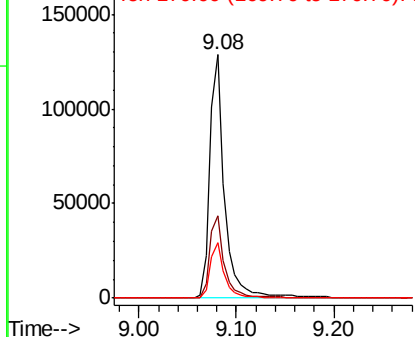


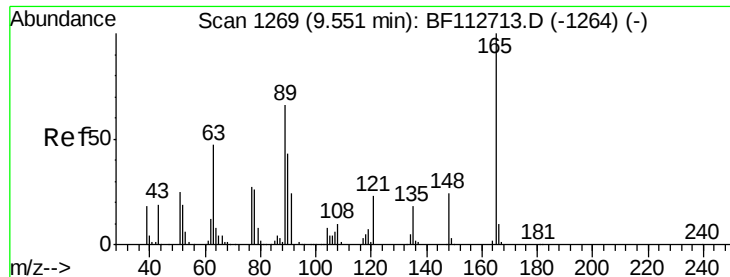
#45
 2-Fluorobiphenyl
 Concen: 4.882 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113211.D
 Acq: 21 Mar 2019 16:30

Tgt Ion:172 Resp: 135783
 Ion Ratio Lower Upper
 172 100
 171 34.0 29.0 43.4
 170 22.7 20.0 30.0



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

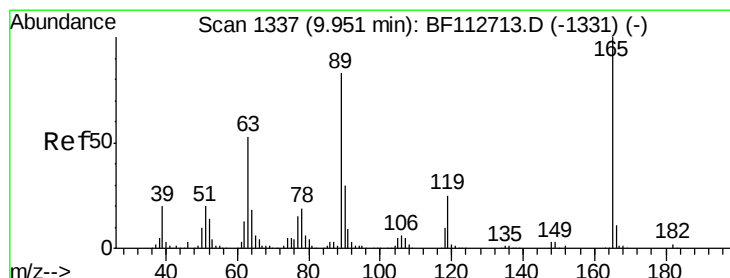
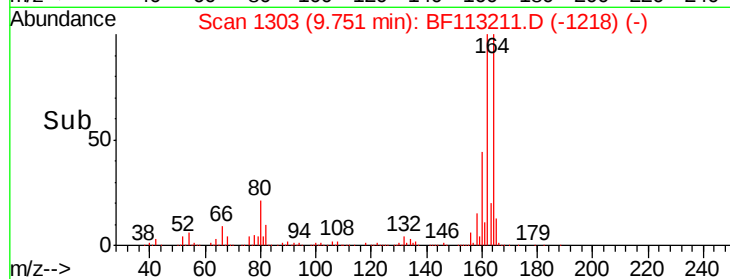
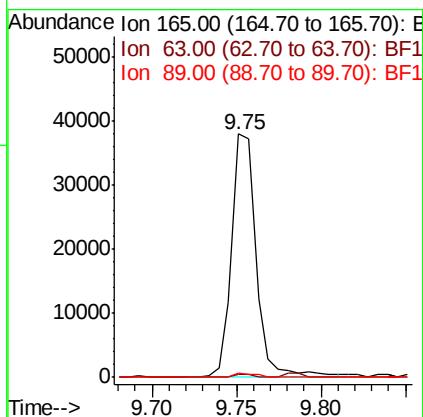
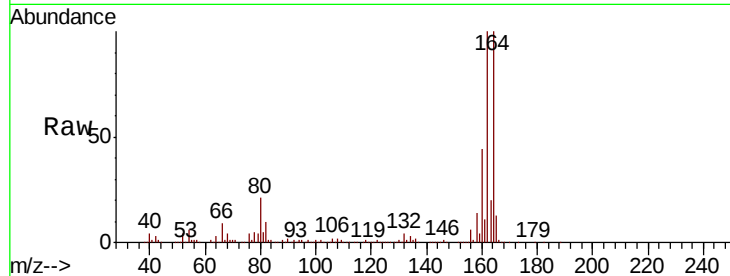




#51
 2,6-Dinitrotoluene
 Concen: 8.675 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.20 min
 Lab File: BF113211.D
 Acq: 21 Mar 2019 16:30

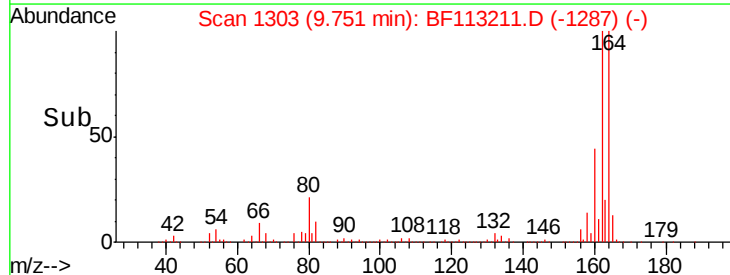
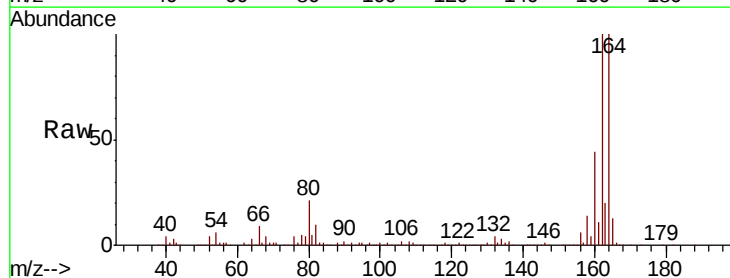
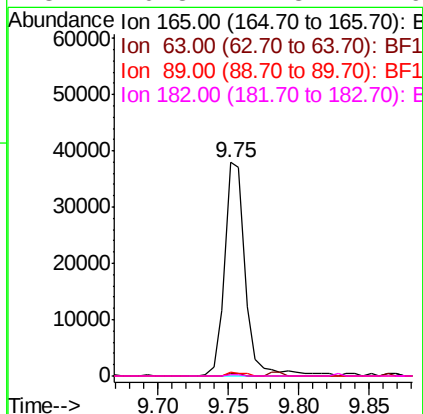
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-032019-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	54.1	81.1#
89	1.9	52.8	79.2#



#57
 2,4-Dinitrotoluene
 Concen: 7.036 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF113211.D
 Acq: 21 Mar 2019 16:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.2	63.2#
89	1.9	66.2	99.4#
182	0.8	1.8	2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113211.D

Acq: 21 Mar 2019 16:30

Instrument :

BNA_F

ClientSampleId :

EO-02-032019-A

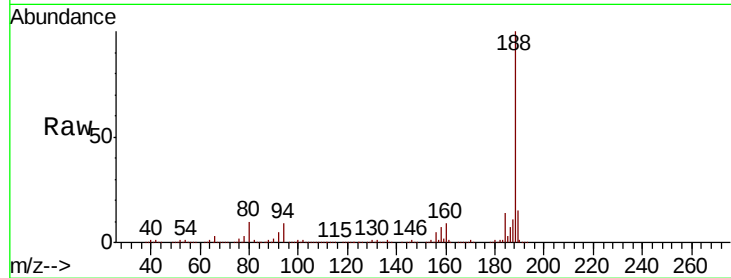
Tgt Ion:188 Resp: 555815

Ion Ratio Lower Upper

188 100

94 9.2 9.0 13.4

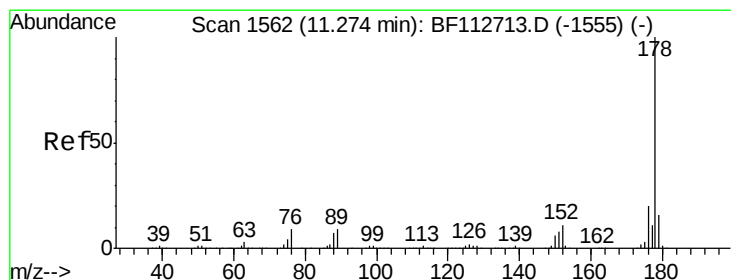
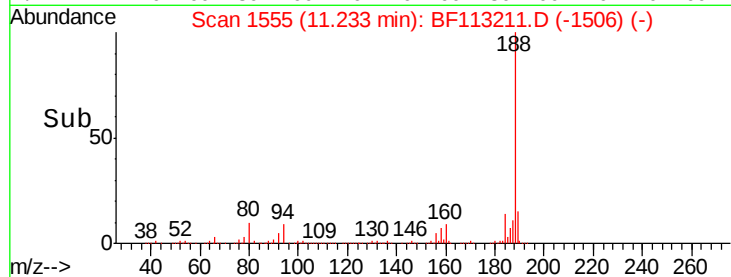
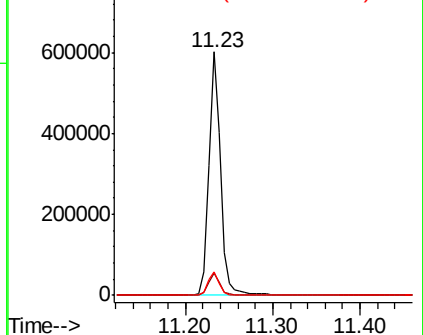
80 9.5 9.2 13.8



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: 2.438 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF113211.D

Acq: 21 Mar 2019 16:30

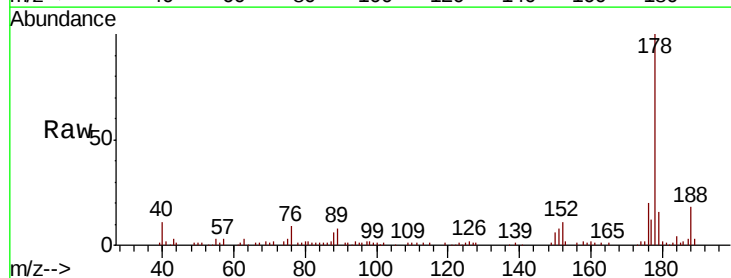
Tgt Ion:178 Resp: 67412

Ion Ratio Lower Upper

178 100

176 19.8 16.3 24.5

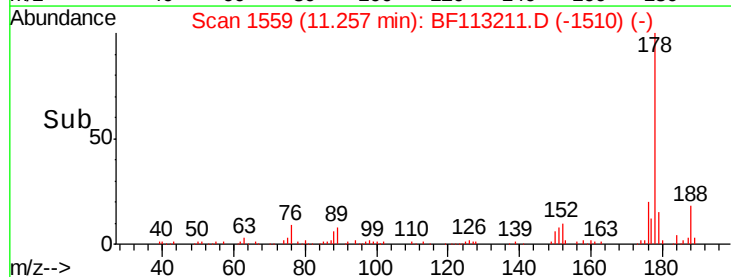
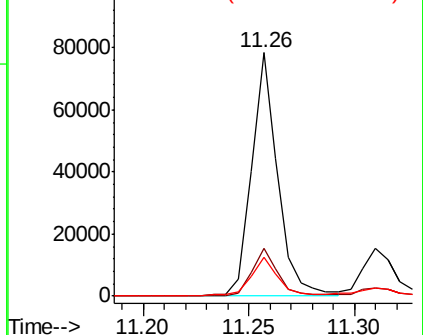
179 15.9 12.7 19.1

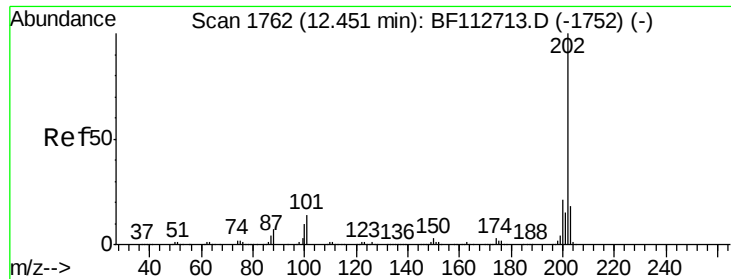


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.624 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113211.D

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EO-02-032019-A

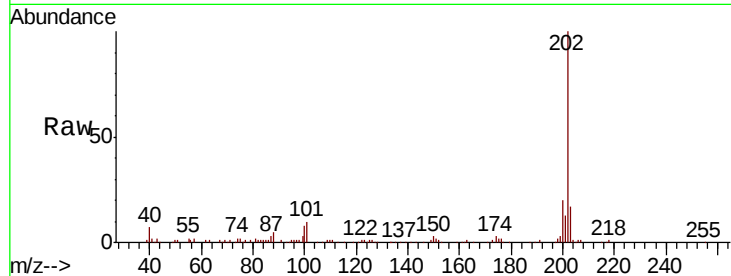
Tgt Ion: 202 Resp: 107368

Ion Ratio Lower Upper

202 100

101 10.2 0.0 33.8

203 17.2 0.0 38.4

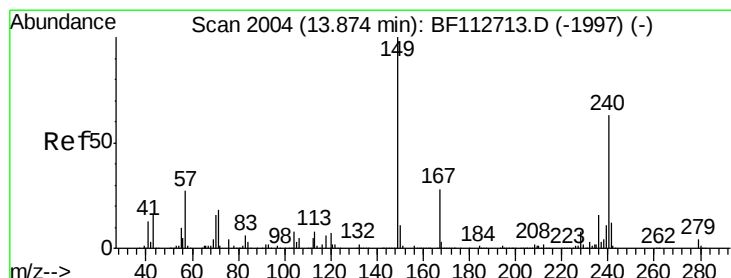
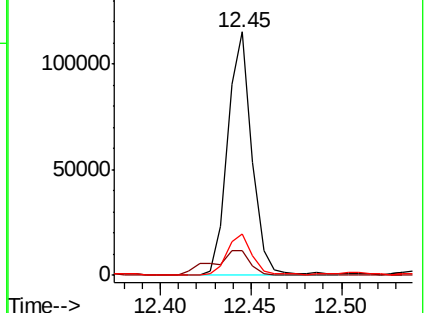
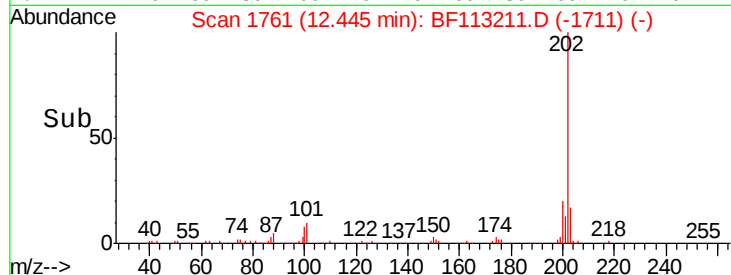


Abundance

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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113211.D

Acq: 21 Mar 2019 16:30

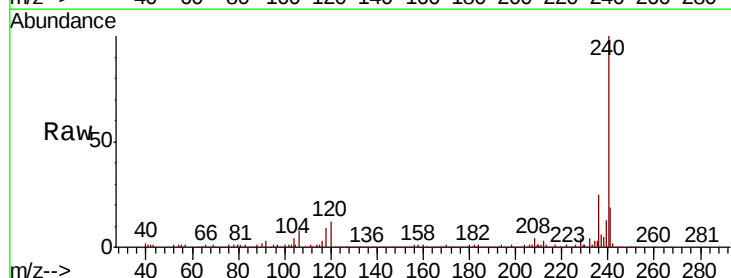
Tgt Ion: 240 Resp: 405619

Ion Ratio Lower Upper

240 100

120 12.0 8.9 13.3

236 25.5 20.7 31.1

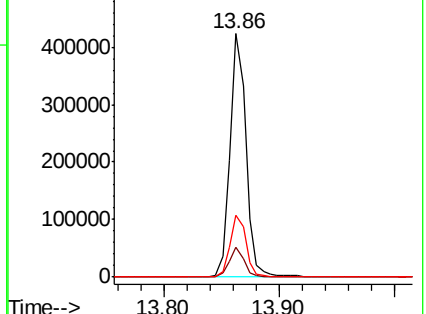
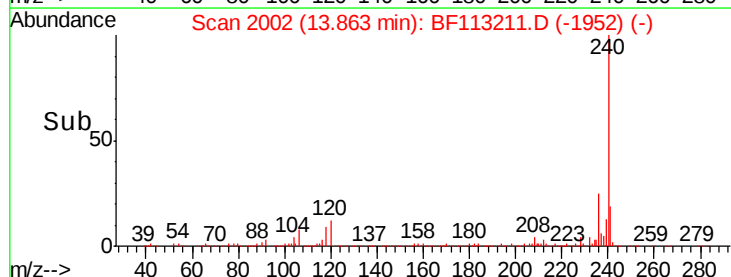


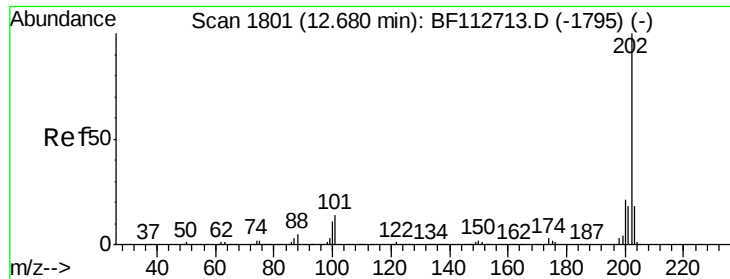
Abundance

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

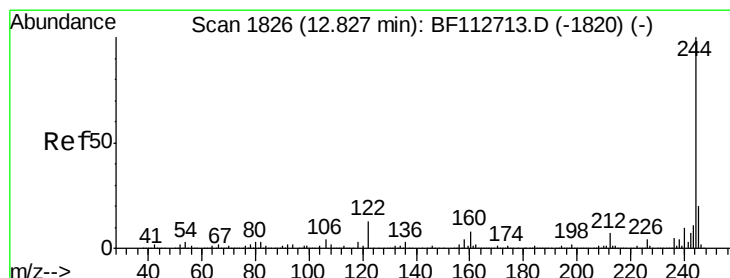
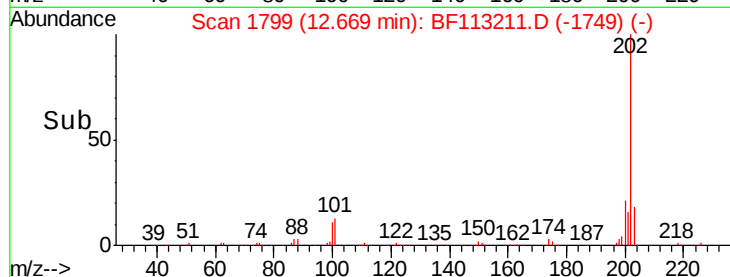
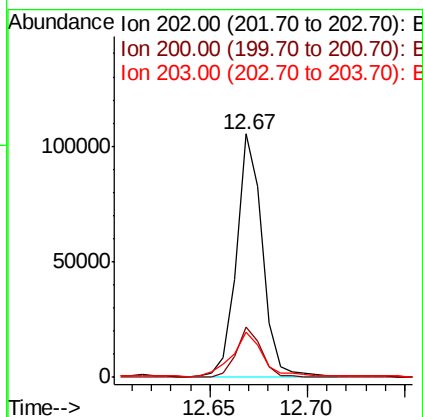
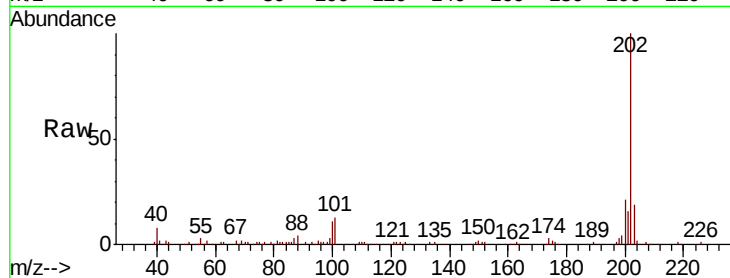




#78
Pyrene
Concen: 2.839 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113211.D
Acq: 21 Mar 2019 16:30

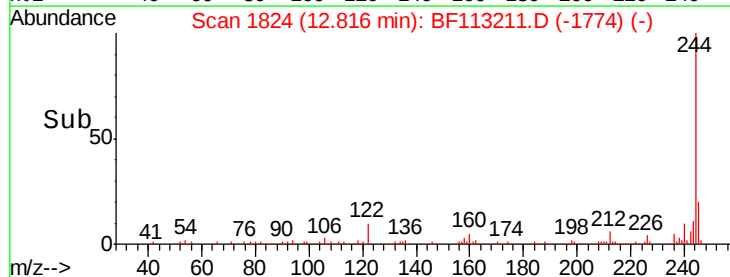
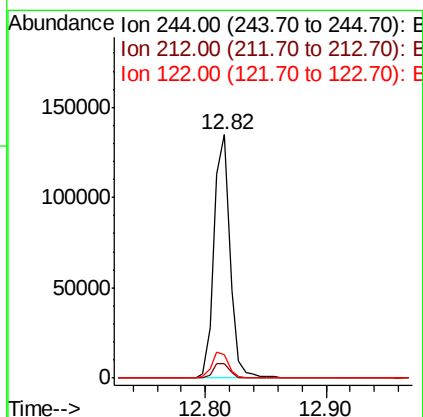
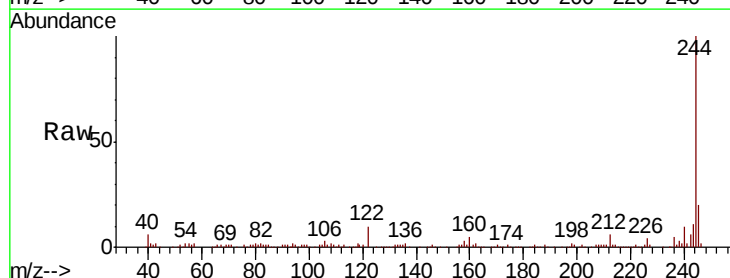
Instrument :
BNA_F
ClientSampleId :
EO-02-032019-A

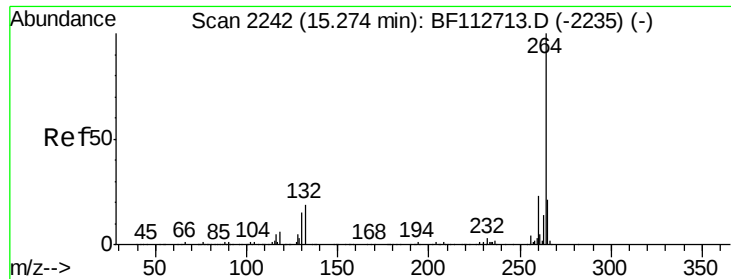
Tgt Ion: 202 Resp: 97078
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 18.6 14.4 21.6



#79
Terphenyl-d14
Concen: 5.854 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF113211.D
Acq: 21 Mar 2019 16:30

Tgt Ion: 244 Resp: 122489
Ion Ratio Lower Upper
244 100
212 6.1 5.6 8.4
122 9.6 10.5 15.7#

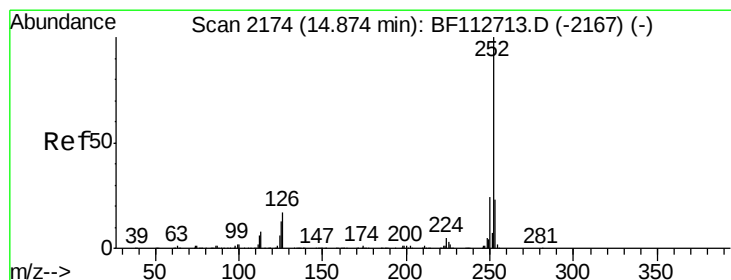
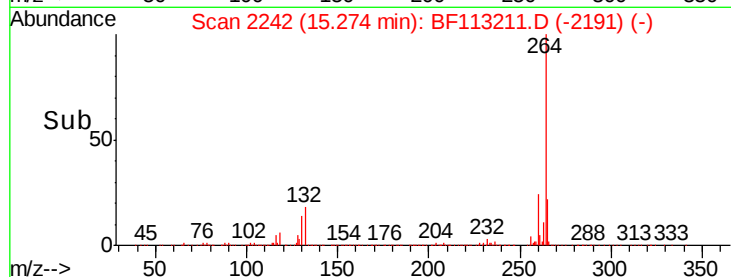
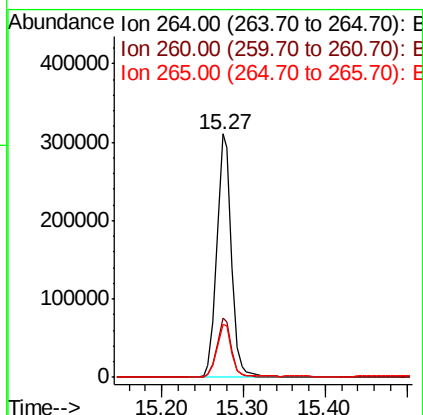
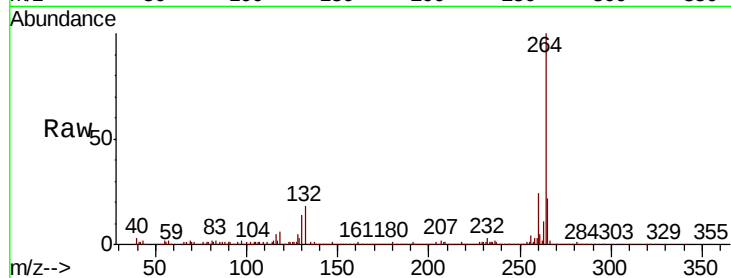




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113211.D
Acq: 21 Mar 2019 16:30

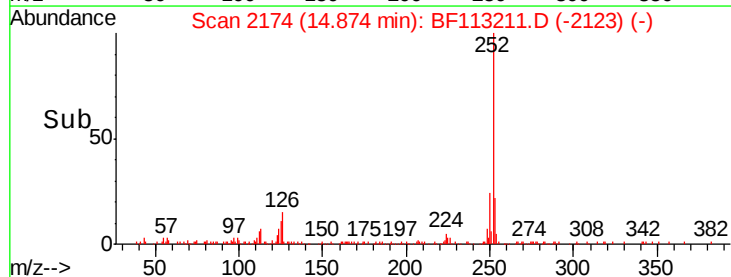
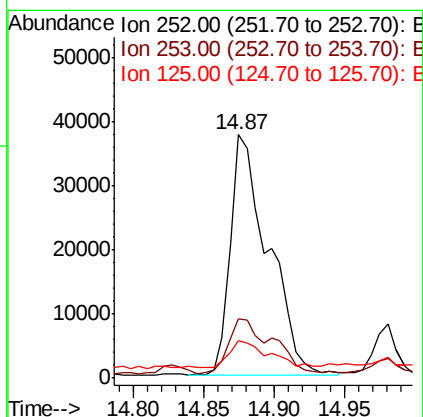
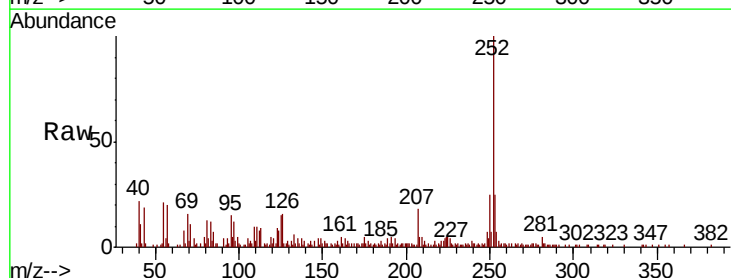
Instrument :
BNA_F
ClientSampleId :
EO-02-032019-A

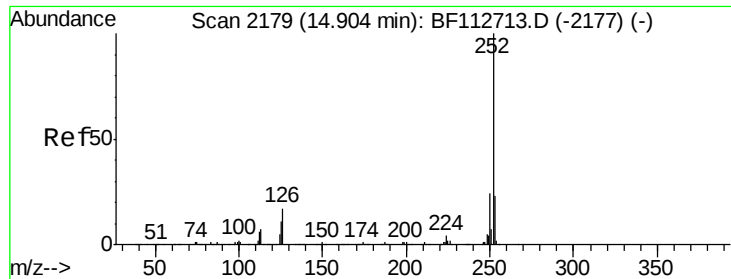
Tgt Ion:264 Resp: 389047
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 21.8 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 2.789 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113211.D
Acq: 21 Mar 2019 16:30

Tgt Ion:252 Resp: 70194
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 15.3 10.2 15.2#





#89

Benzo(k)fluoranthene

Concen: 3.079 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.03 min

Lab File: BF113211.D

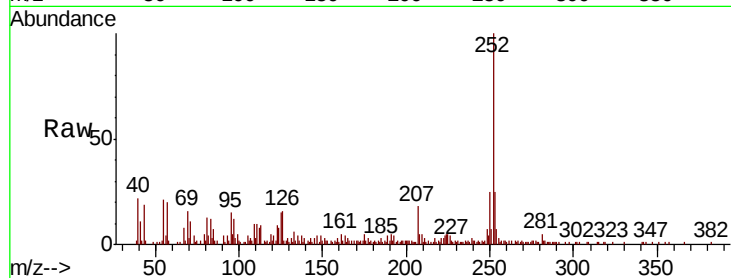
Acq: 21 Mar 2019 16:30

Instrument :

BNA_F

ClientSampleId :

EO-02-032019-A



Tgt Ion:	252	Resp:	70194
Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	15.3	9.8	14.6#

