

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115685.D
 Acq On : 19 Jul 2019 21:22
 Operator : HP/JU
 Sample : K3881-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 01:41:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	204032	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	835096	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	395392	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	637961	20.00	ng	0.00
76) Chrysene-d12	14.04	240	371993	20.00	ng	0.00
87) Perylene-d12	15.52	264	346679	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	573103	45.95	ng	0.00
7) Phenol-d6	6.51	99	1032745	65.25	ng	0.00
23) Nitrobenzene-d5	7.44	82	652221	45.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	348439	75.50	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1419247	62.83	ng	-0.01
79) Terphenyl-d14	12.99	244	1442868	71.57	ng	0.00

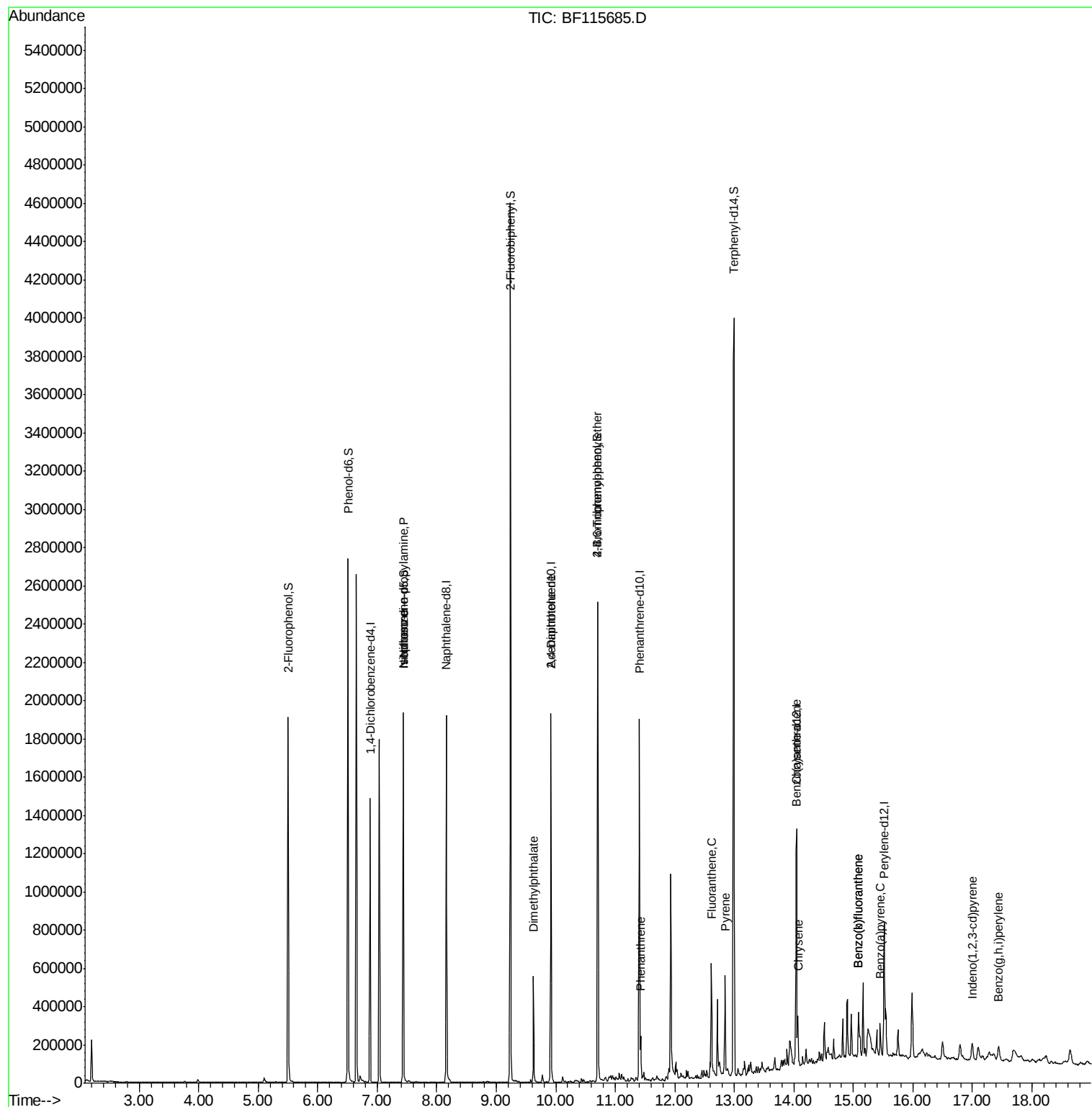
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	86761	8.405	ng	# 79
25) Isophorone	7.44	82	639782	22.262	ng	# 64
50) Dimethylphthalate	9.63	163	203568	6.843	ng	98
57) 2,4-Dinitrotoluene	9.92	165	50799	5.800	ng	# 24
67) 4-Bromophenyl-phenylether	10.71	248	21598	2.963	ng	# 1
71) Phenanthrene	11.43	178	75862	2.320	ng	95
75) Fluoranthene	12.62	202	210188	6.082	ng	99
78) Pyrene	12.84	202	193099	6.127	ng	97
81) Benzo(a)anthracene	14.03	228	94824	3.869	ng	95
83) Chrysene	14.07	228	98493	4.004	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	54018	2.584	ng	96
88) Benzo(b)fluoranthene	15.09	252	162553	7.282	ng	100
89) Benzo(k)fluoranthene	15.09	252	162553	8.167	ng	99
90) Benzo(a)pyrene	15.45	252	79763	4.157	ng	97
92) Benzo(a,h,i)perylene	17.44	276	55050	3.277	ng	99

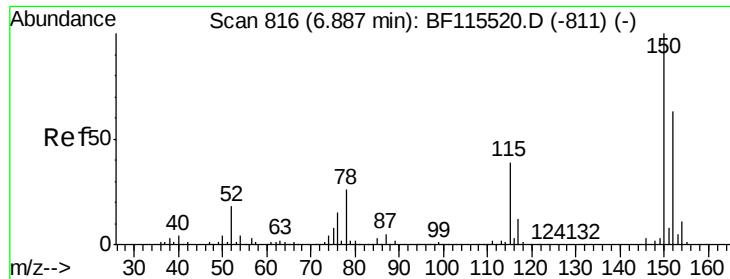
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 20 01:41:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration



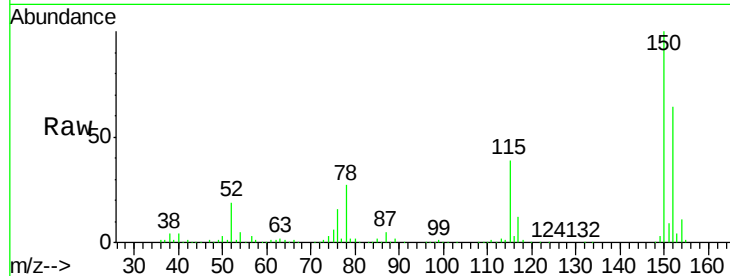


#1

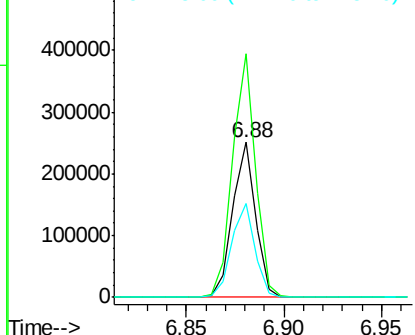
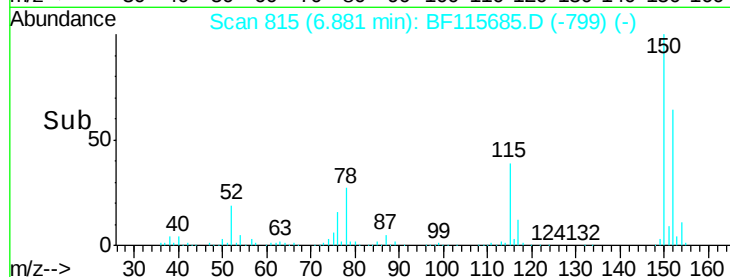
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115685.D
Acq: 19 Jul 2019 21:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 204032
Ion Ratio Lower Upper
152 100
150 156.9 129.7 194.5
115 60.8 48.2 72.4



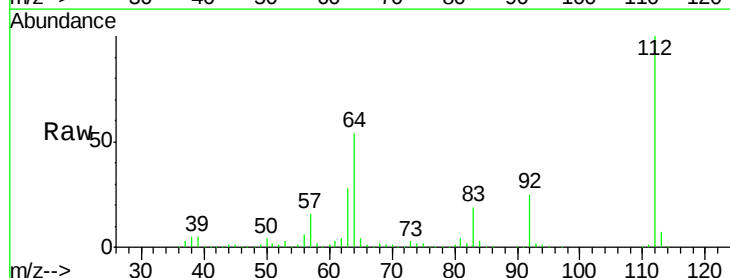
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



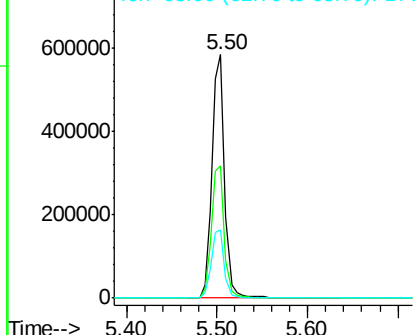
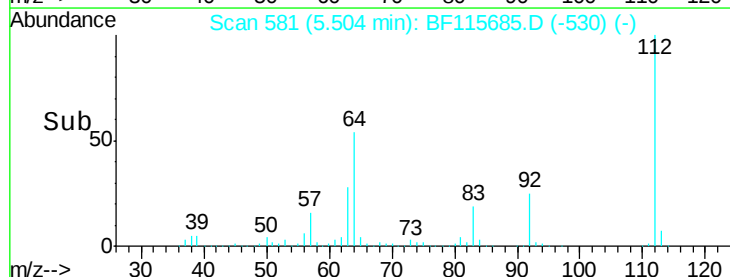
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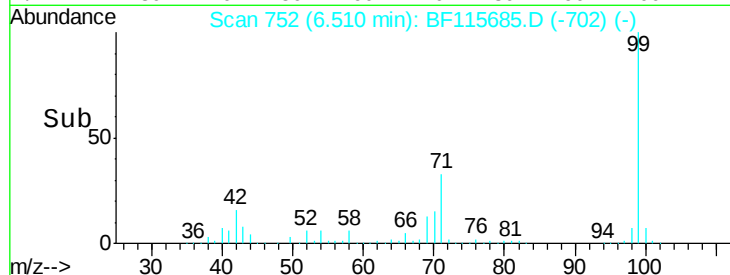
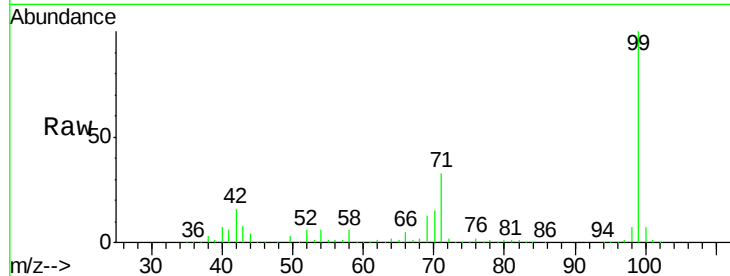
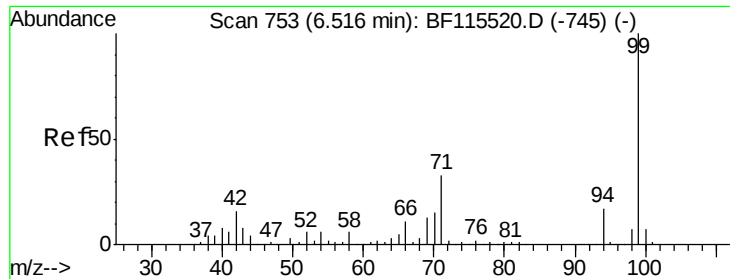
2-Fluorophenol
Concen: 45.945 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF115685.D
Acq: 19 Jul 2019 21:22

Tgt Ion:112 Resp: 573103
Ion Ratio Lower Upper
112 100
64 54.2 46.8 70.2
63 28.1 24.1 36.1



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: 65.250 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115685.D

Acq: 19 Jul 2019 21:22

Instrument :

BNA_F

ClientSampled :

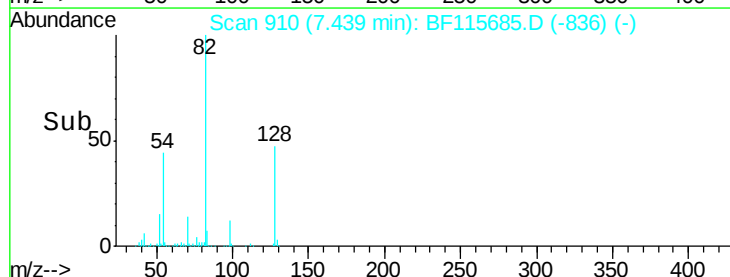
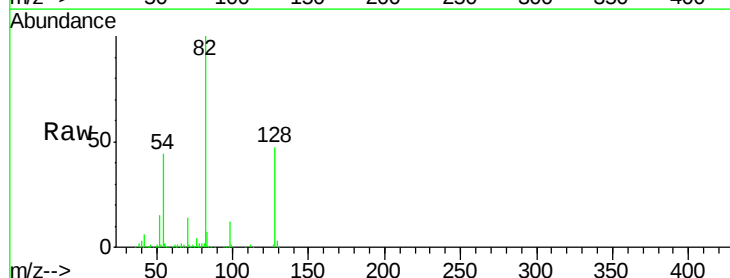
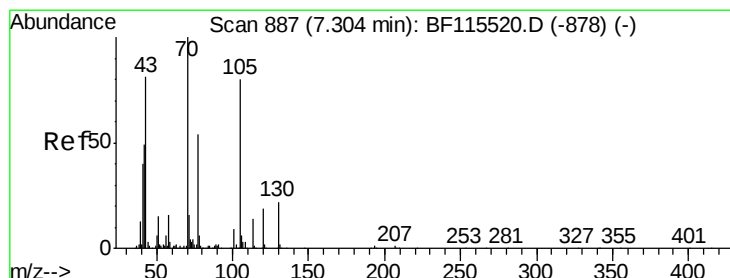
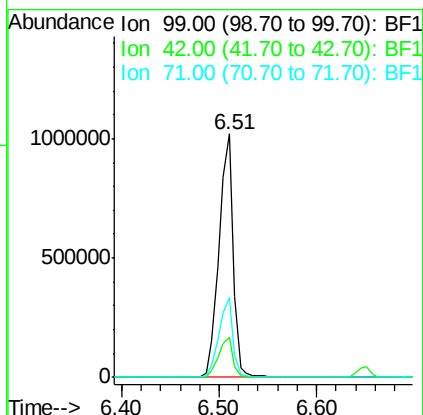
Tot Ion: 99 Resp: 1032745

Ion Ratio Lower Upper

99 100

42 16.3 13.6 20.4

71 32.8 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 8.405 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115685.D

Acq: 19 Jul 2019 21:22

Tgt Ion: 70 Resp: 86761

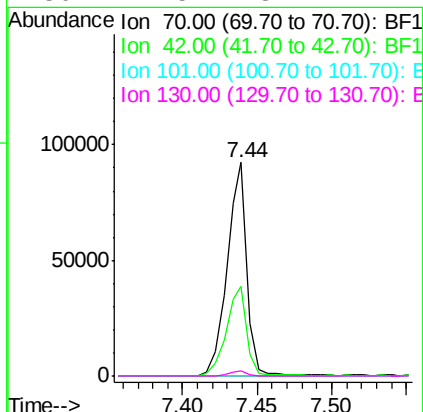
Ion Ratio Lower Upper

70 100

42 42.0 39.6 59.4

101 0.0 8.1 12.1#

130 2.5 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115685.D

Acq: 19 Jul 2019 21:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:136 Resp: 835096

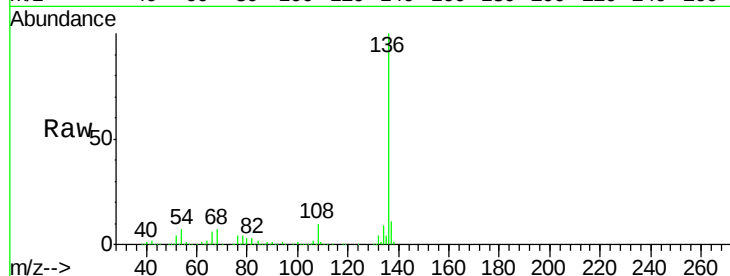
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.0 5.6 8.4

68 6.6 5.0 7.6

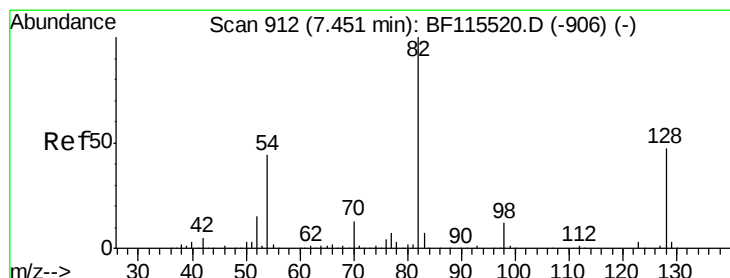
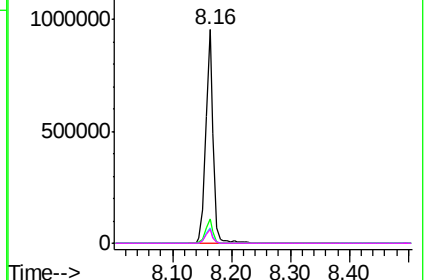
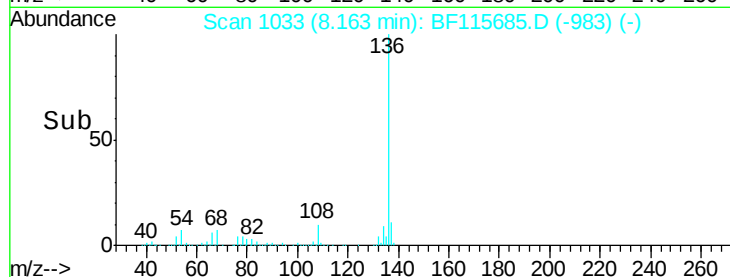


Abundance Ion 136.00 (135.70 to 136.70): E

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: 45.413 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF115685.D

Acq: 19 Jul 2019 21:22

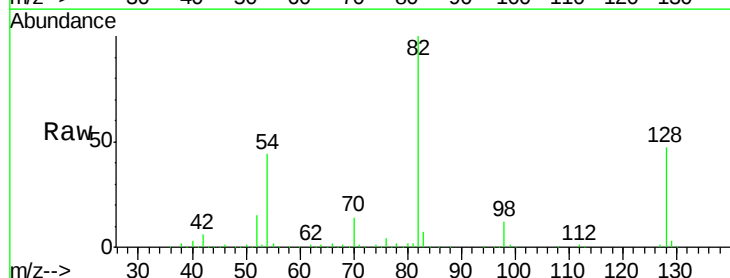
Tgt Ion: 82 Resp: 652221

Ion Ratio Lower Upper

82 100

128 47.1 38.6 57.8

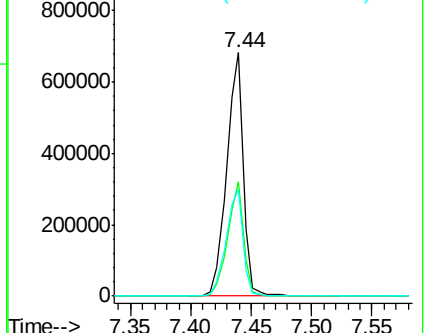
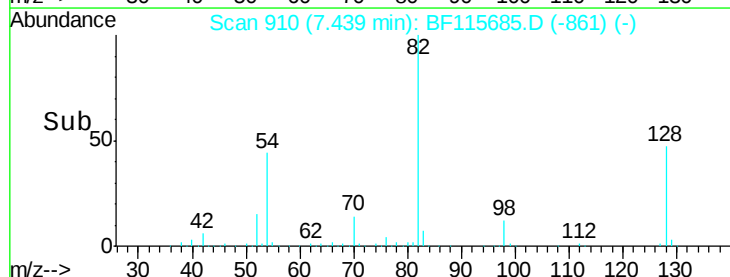
54 43.9 35.6 53.4



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: 22.262 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115685.D

Acq: 19 Jul 2019 21:22

Instrument :

BNA_F

ClientSampled :

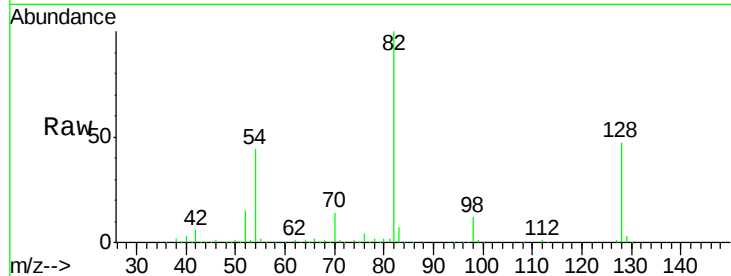
Tot Ion: 82 Resp: 639782

Ion Ratio Lower Upper

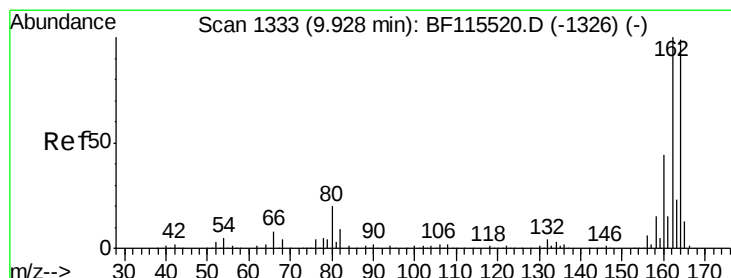
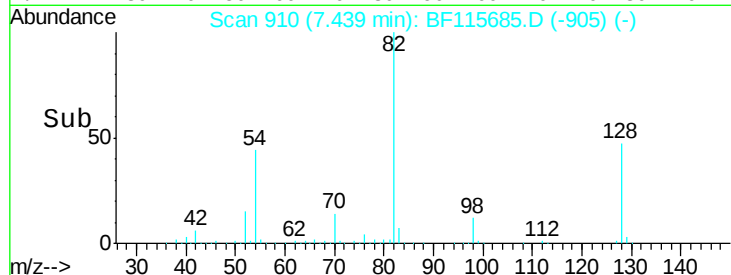
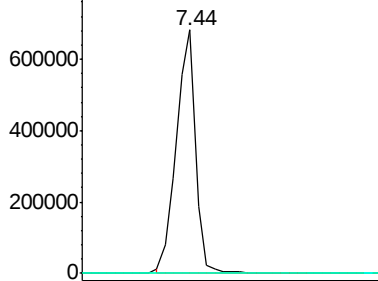
82 100

95 0.0 5.5 8.3#

138 0.0 14.9 22.3#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115685.D

Acq: 19 Jul 2019 21:22

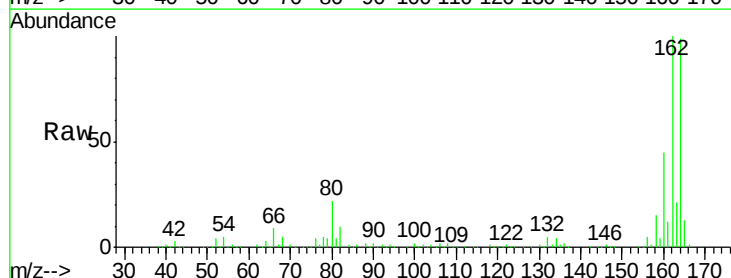
Tgt Ion: 164 Resp: 395392

Ion Ratio Lower Upper

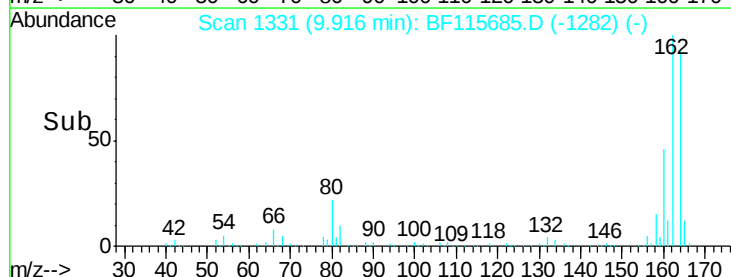
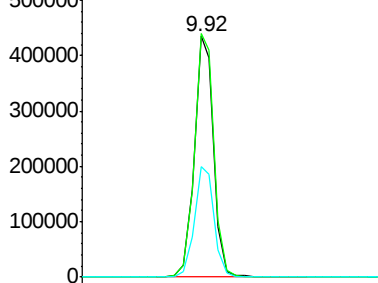
164 100

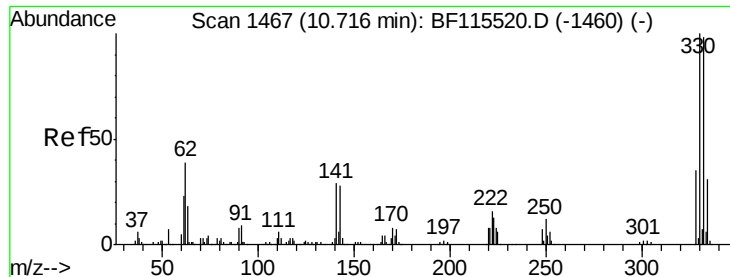
162 101.2 82.9 124.3

160 46.0 36.8 55.2



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

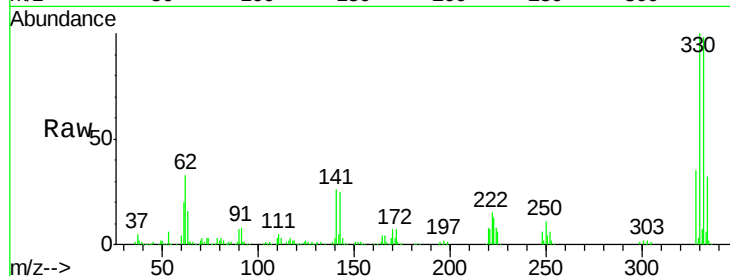




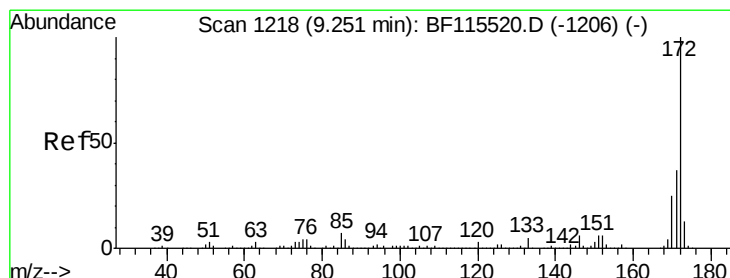
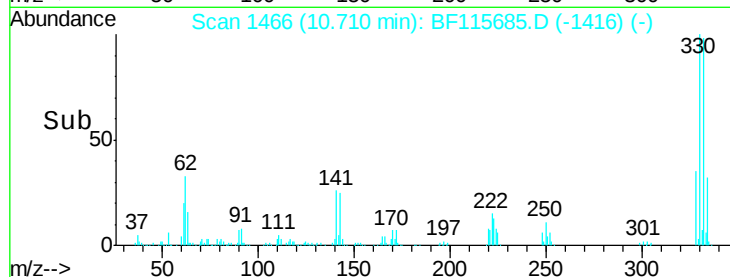
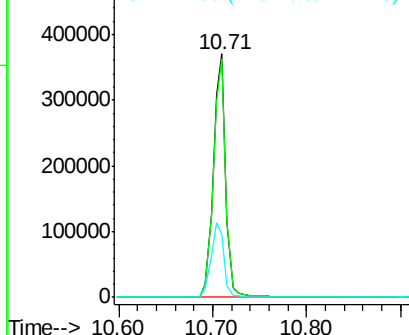
#42
 2,4,6-Tribromophenol
 Concen: 75.498 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF115685.D
 Acq: 19 Jul 2019 21:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 348439
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.4 116.2
 141 32.4 22.4 33.6

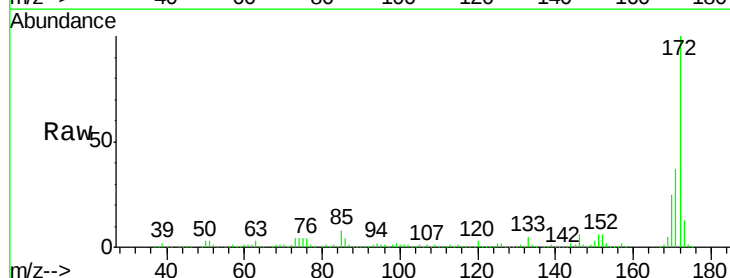


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

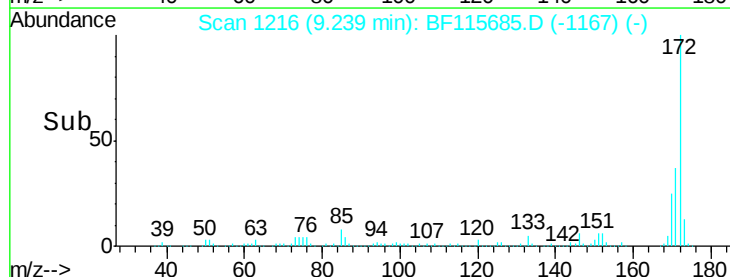
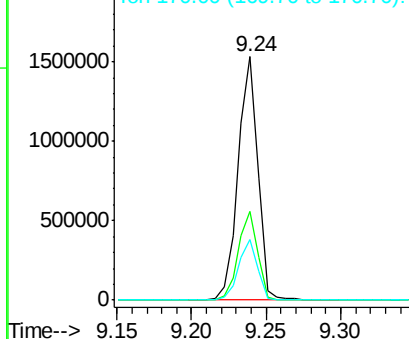


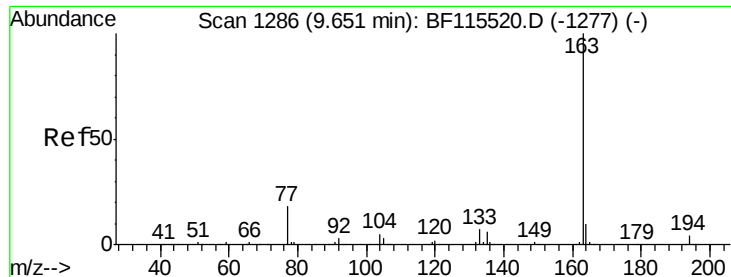
#45
 2-Fluorobiphenyl
 Concen: 62.826 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF115685.D
 Acq: 19 Jul 2019 21:22

Tgt Ion:172 Resp: 1419247
 Ion Ratio Lower Upper
 172 100
 171 36.7 30.6 46.0
 170 24.7 20.5 30.7



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: 6.843 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF115685.D

Acq: 19 Jul 2019 21:22

Instrument :

BNA_F

ClientSampleId :

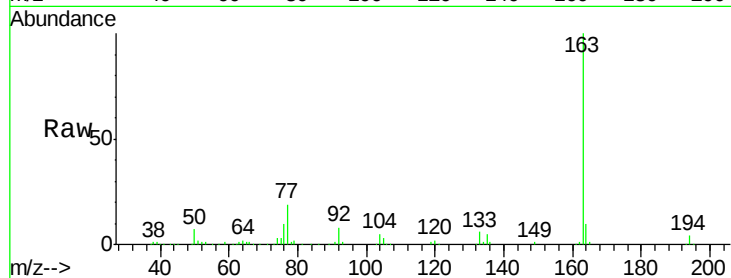
Tot Ion:163 Resp: 203568

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

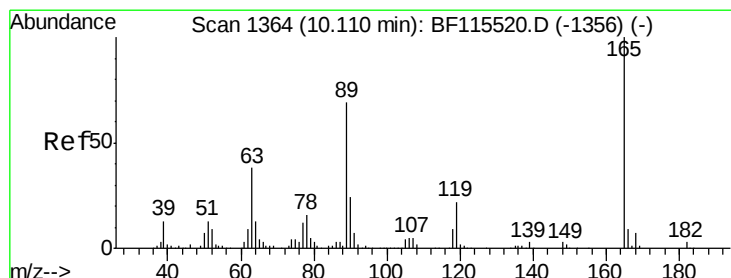
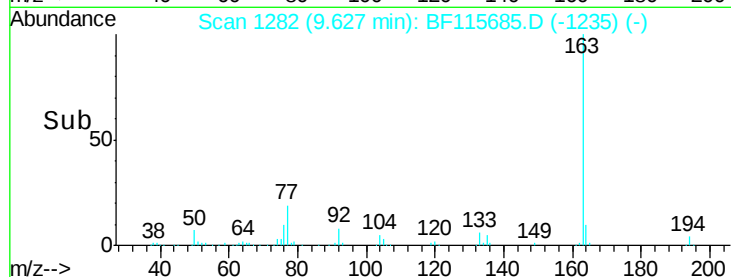
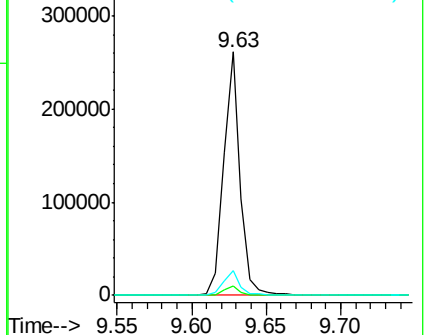
164 9.9 8.7 13.1



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: 5.800 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF115685.D

Acq: 19 Jul 2019 21:22

Tgt Ion:165 Resp: 50799

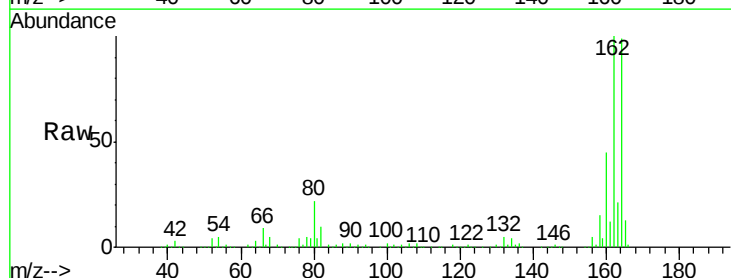
Ion Ratio Lower Upper

165 100

63 1.2 34.9 52.3#

89 1.2 57.5 86.3#

182 0.0 2.2 3.4#

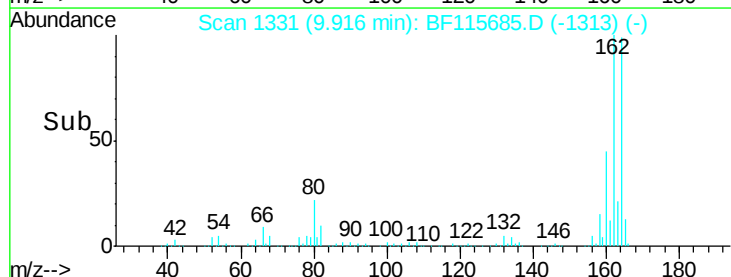
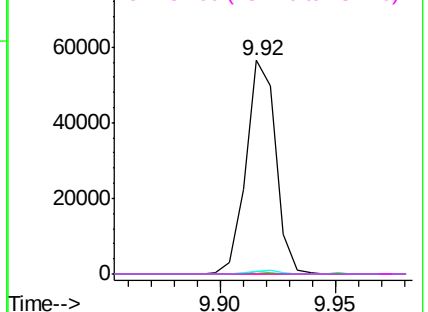


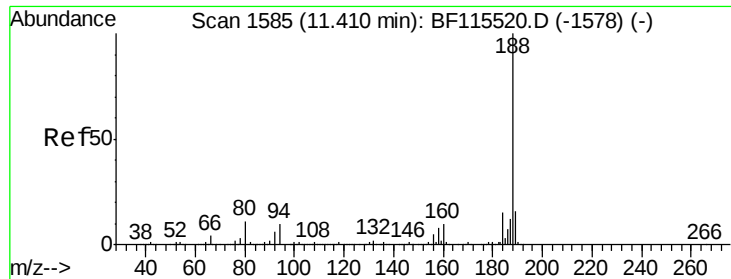
Abundance Ion 165.00 (164.70 to 165.70): E

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

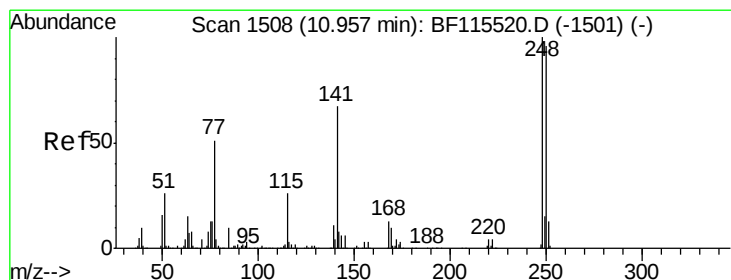
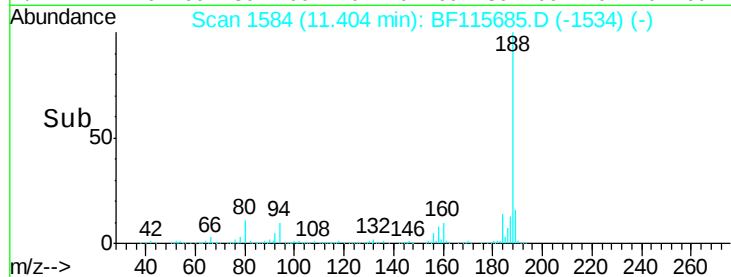
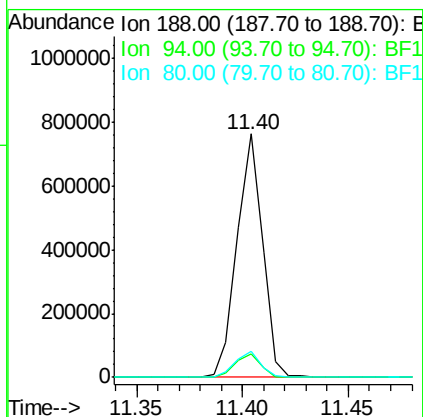
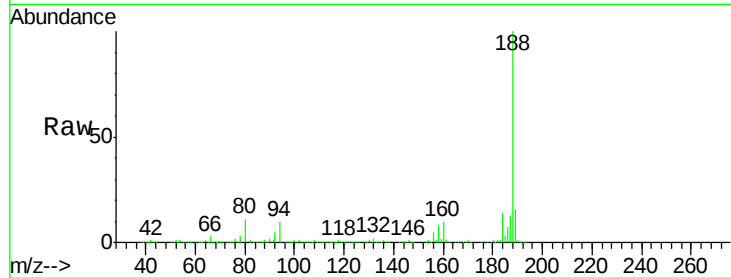




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115685.D
Acq: 19 Jul 2019 21:22

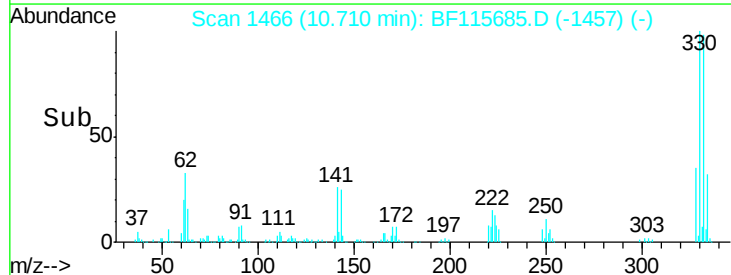
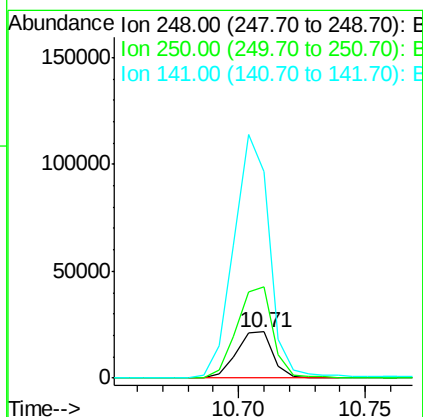
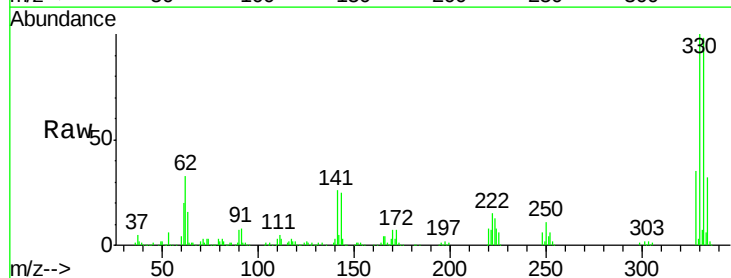
Instrument :
BNA_F
ClientSampleId :

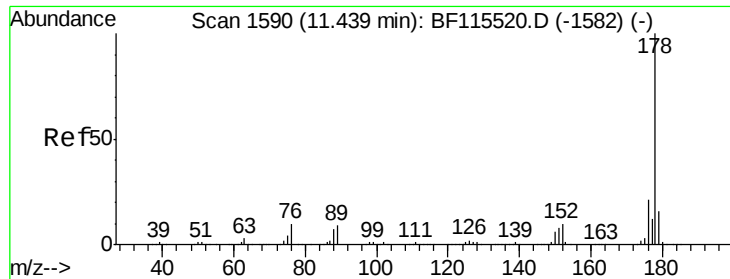
Tot Ion:188 Resp: 637961
Ion Ratio Lower Upper
188 100
94 9.6 7.8 11.6
80 10.6 8.6 13.0



#67
4-Bromophenyl-phenylether
Concen: 2.963 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.25 min
Lab File: BF115685.D
Acq: 19 Jul 2019 21:22

Tgt Ion:248 Resp: 21598
Ion Ratio Lower Upper
248 100
250 198.3 78.0 117.0#
141 451.3 57.7 86.5#

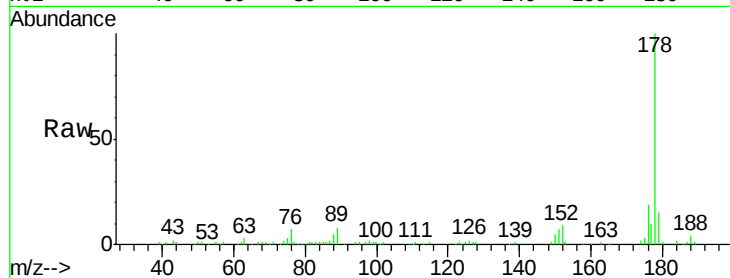




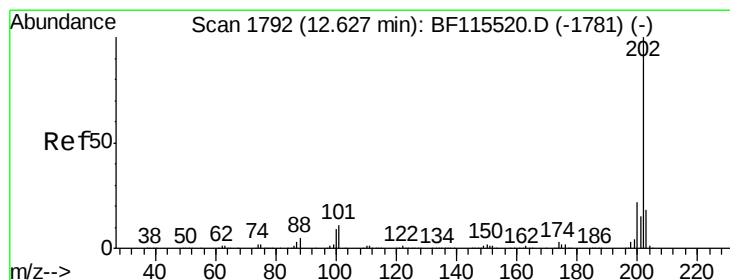
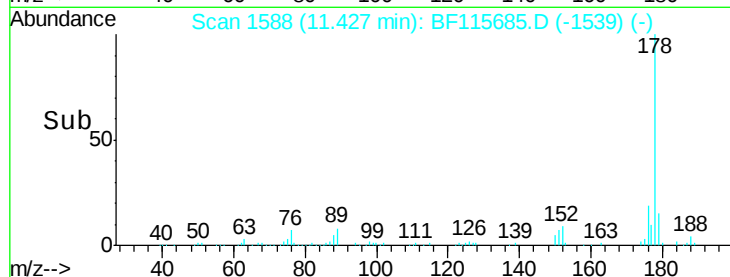
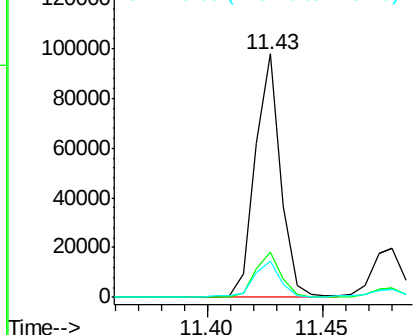
#71
Phenanthrene
Concen: 2.320 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115685.D
Acq: 19 Jul 2019 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 75862
Ion Ratio Lower Upper
178 100
176 18.6 17.2 25.8
179 14.8 13.5 20.3

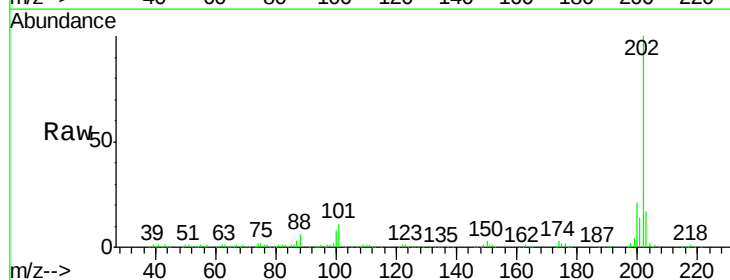


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

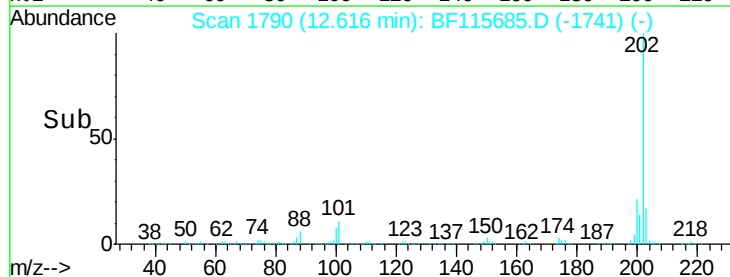
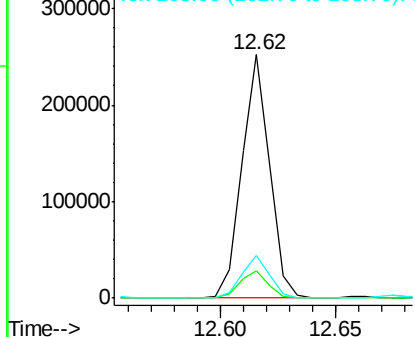


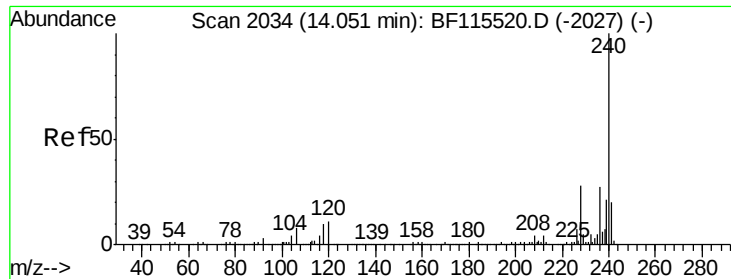
#75
Fluoranthene
Concen: 6.082 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF115685.D
Acq: 19 Jul 2019 21:22

Tgt Ion:202 Resp: 210188
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.4
203 17.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115685.D

Acq: 19 Jul 2019 21:22

Instrument :

BNA_F

ClientSampleId :

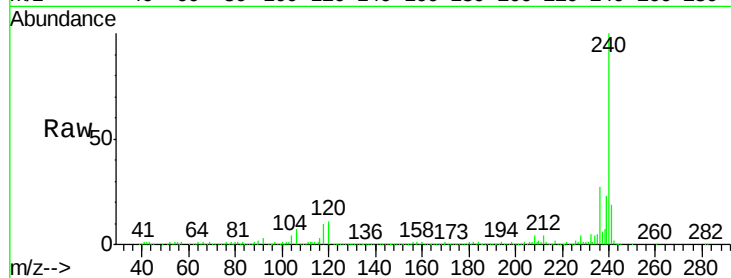
Tot Ion:240 Resp: 371993

Ion Ratio Lower Upper

240 100

120 10.8 8.6 13.0

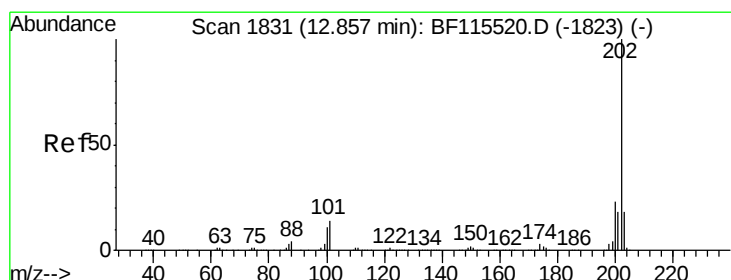
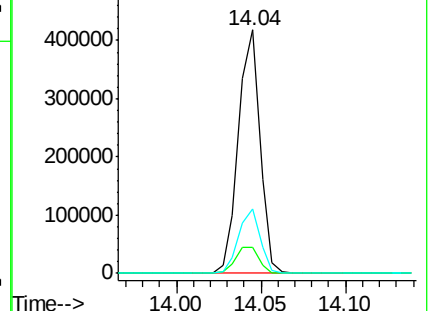
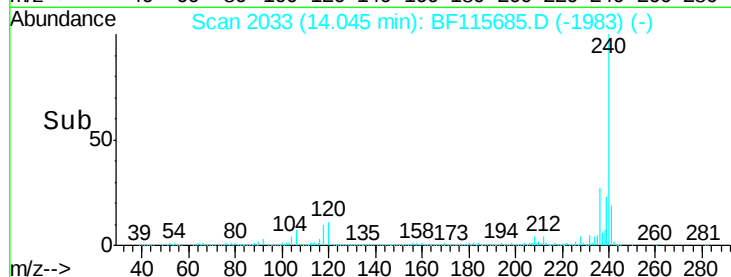
236 26.7 21.3 31.9



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: 6.127 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115685.D

Acq: 19 Jul 2019 21:22

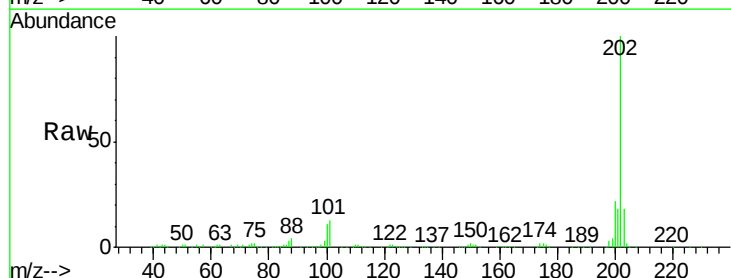
Tgt Ion:202 Resp: 193099

Ion Ratio Lower Upper

202 100

200 21.6 18.7 28.1

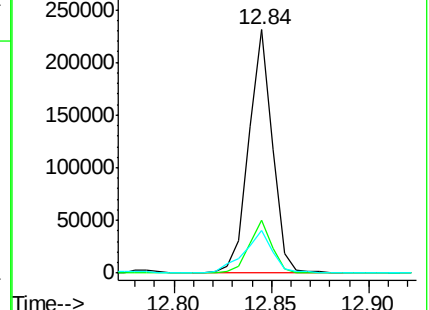
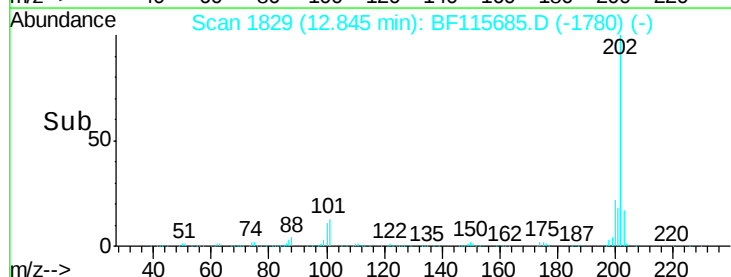
203 17.7 15.2 22.8

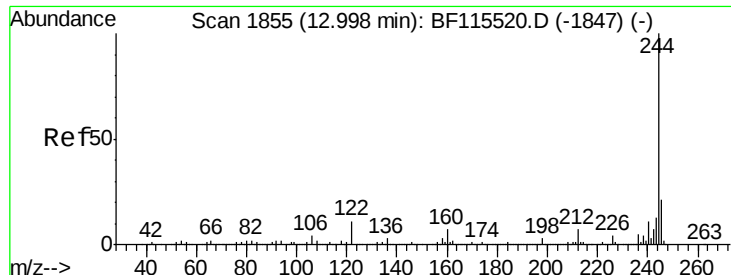


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.569 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115685.D

Acq: 19 Jul 2019 21:22

Instrument :

BNA_F

ClientSampleId :

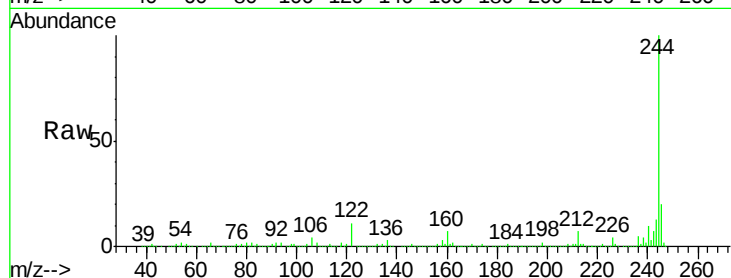
Tot Ion:244 Resp: 1442868

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

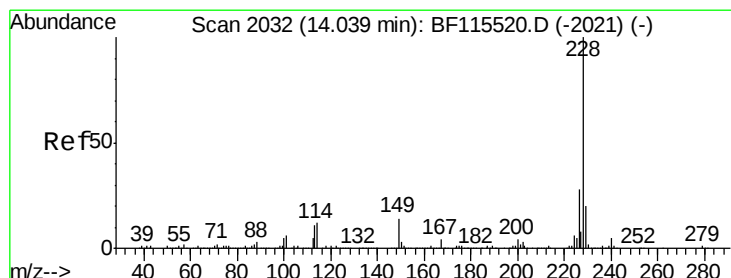
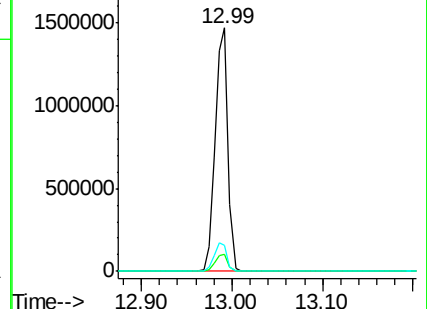
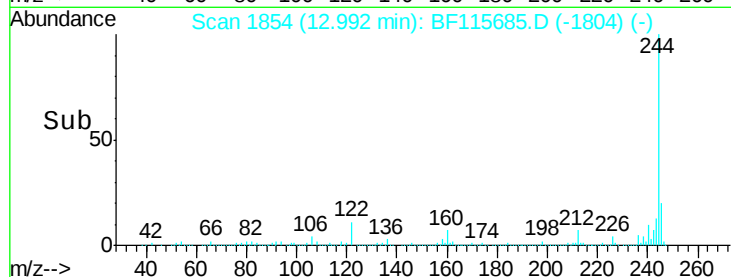
122 10.7 8.6 12.8



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: 3.869 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF115685.D

Acq: 19 Jul 2019 21:22

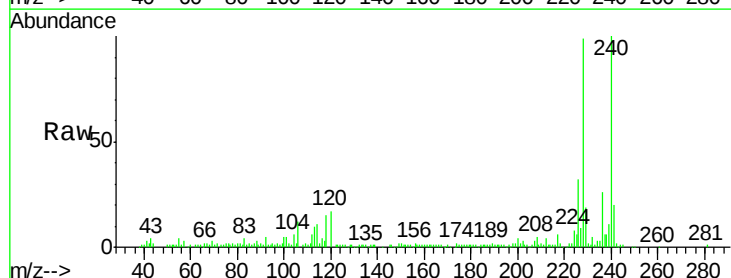
Tgt Ion:228 Resp: 94824

Ion Ratio Lower Upper

228 100

226 32.0 23.4 35.0

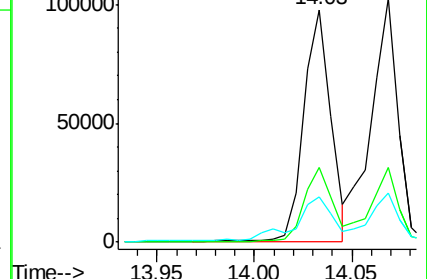
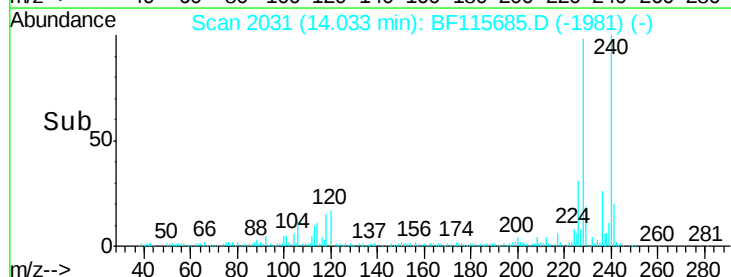
229 19.7 17.2 25.8

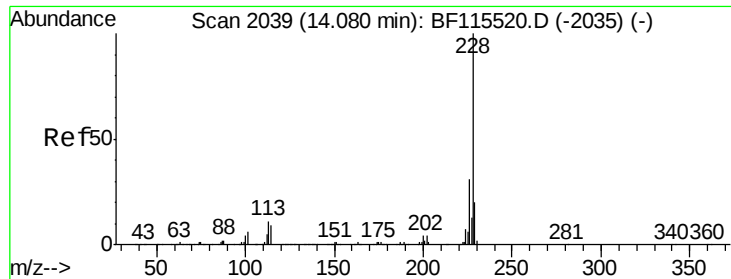


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.004 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF115685.D

Acq: 19 Jul 2019 21:22

Instrument :

BNA_F

ClientSampleId :

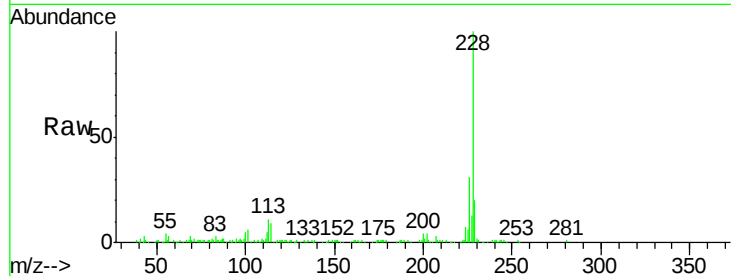
Tot Ion:228 Resp: 98493

Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.7	38.5
229	20.4	16.6	25.0

228 100

226 30.7 25.7 38.5

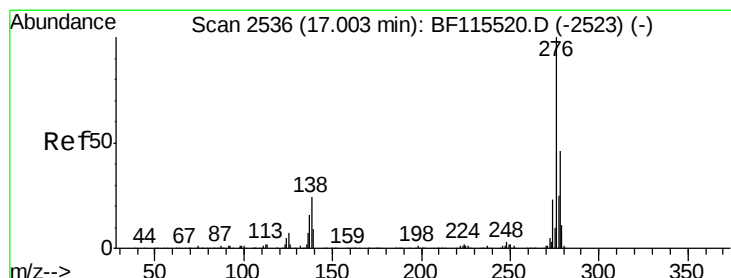
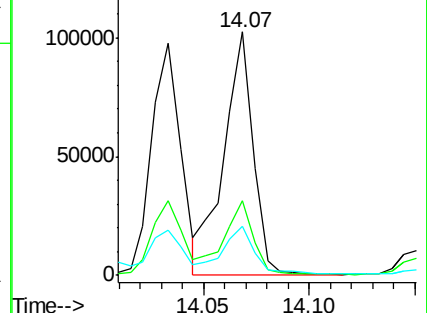
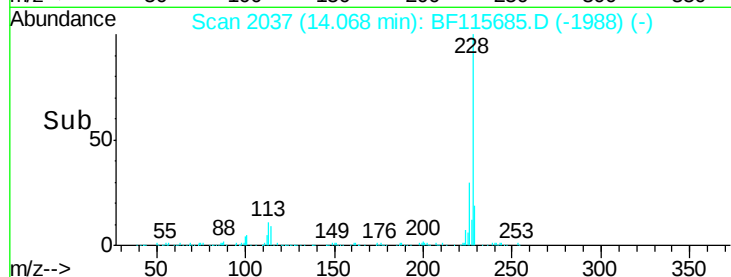
229 20.4 16.6 25.0



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.584 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF115685.D

Acq: 19 Jul 2019 21:22

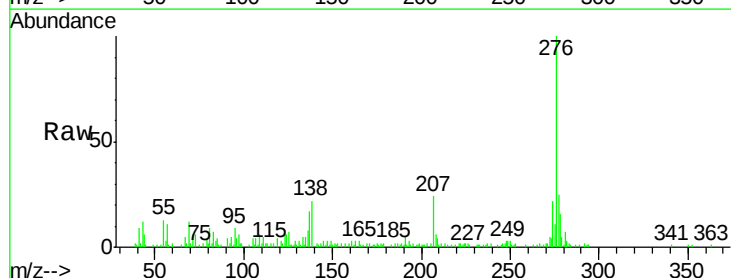
Tgt Ion:276 Resp: 54018

Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.2	30.2
277	24.7	20.4	30.6

276 100

138 21.7 20.2 30.2

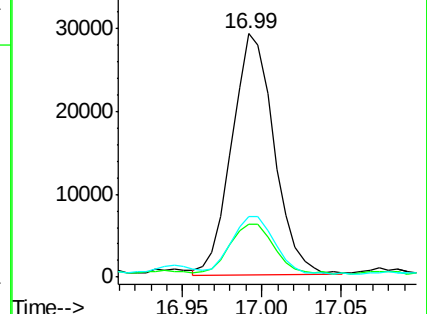
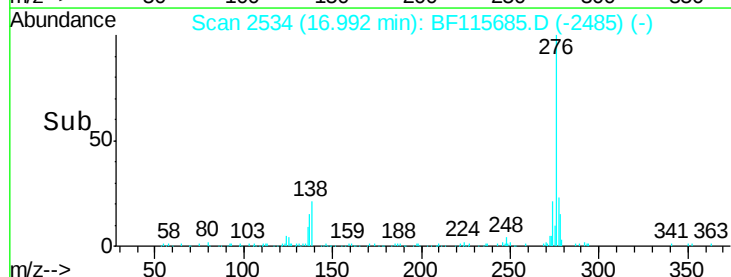
277 24.7 20.4 30.6

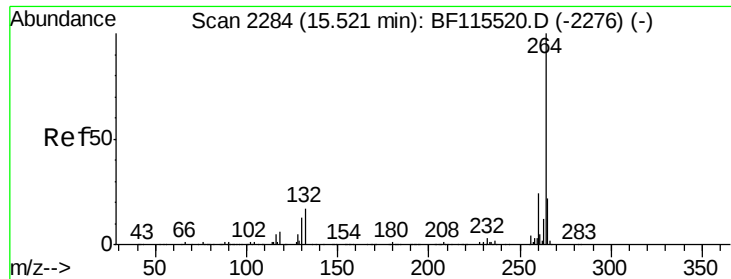


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



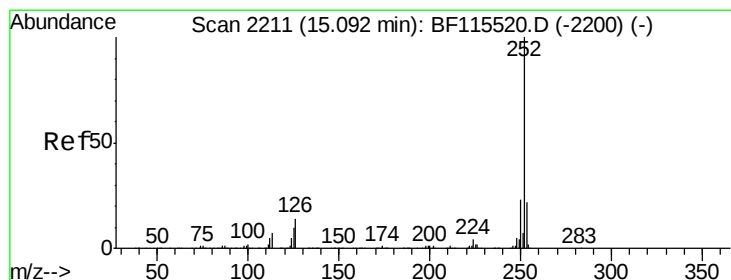
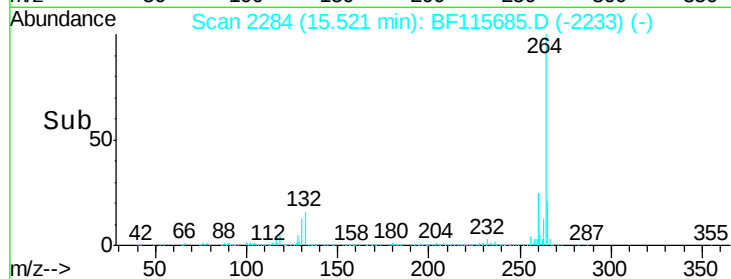
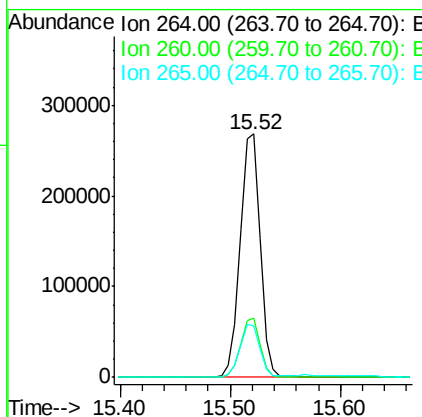
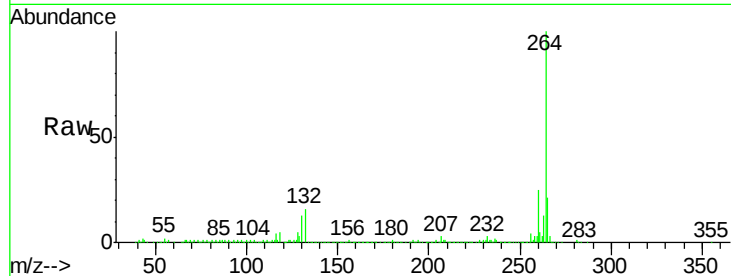


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.00 min
Lab File: BF115685.D
Acq: 19 Jul 2019 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 346679

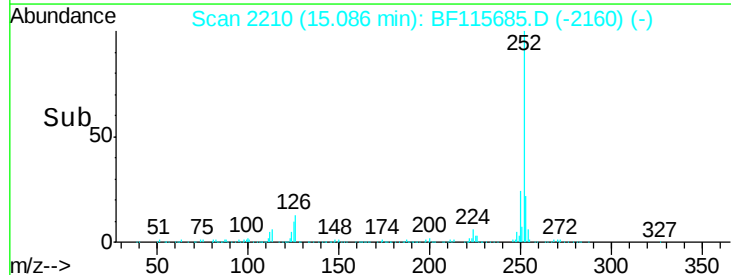
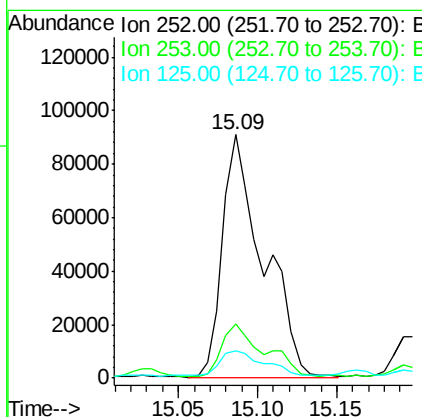
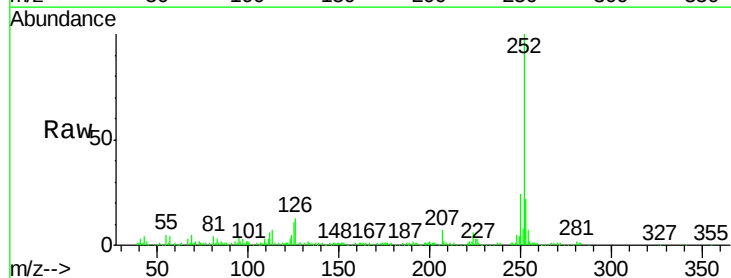
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.8
265	21.2	17.7	26.5

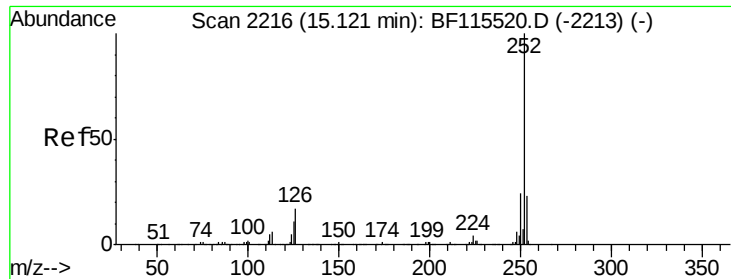


#88
Benzo(b)fluoranthene
Concen: 7.282 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115685.D
Acq: 19 Jul 2019 21:22

Tgt Ion:252 Resp: 162553

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	11.0	9.0	13.4

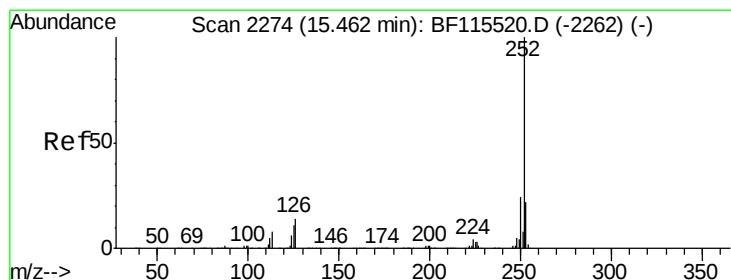
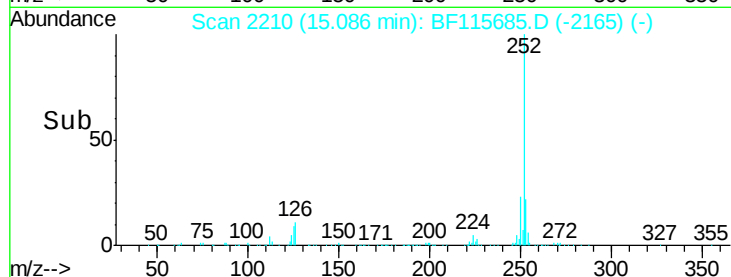
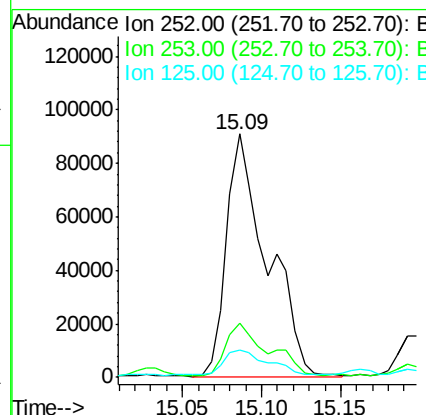
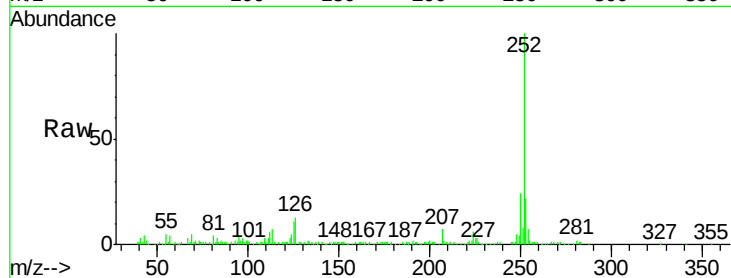




#89
Benzo(k)fluoranthene
Concen: 8.167 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF115685.D
Acq: 19 Jul 2019 21:22

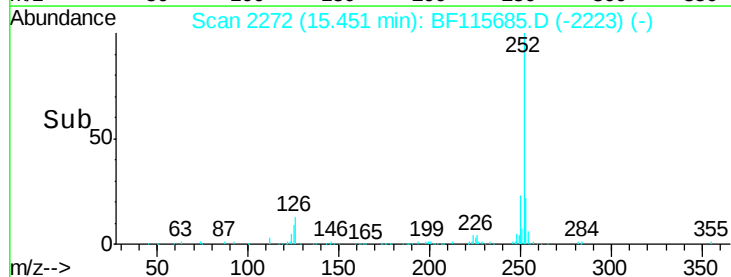
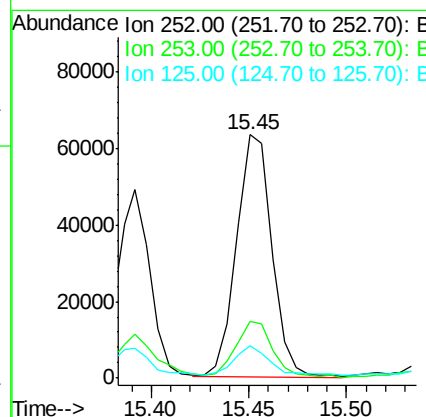
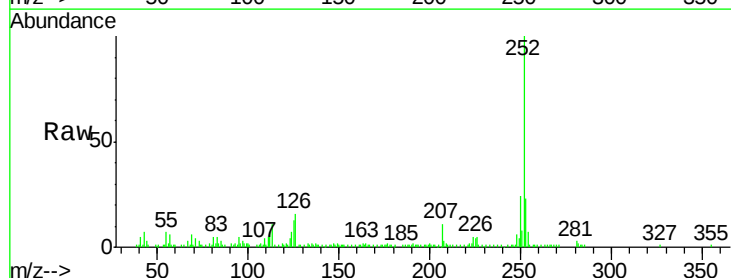
Instrument :
BNA_F
ClientSampleId :

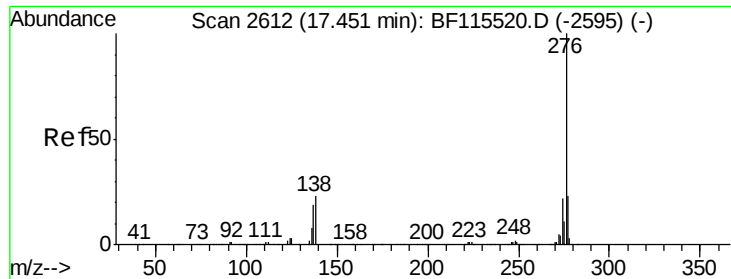
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.6	28.0
125	11.0	9.0	13.6



#90
Benzo(a)pyrene
Concen: 4.157 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF115685.D
Acq: 19 Jul 2019 21:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	13.4	9.1	13.7

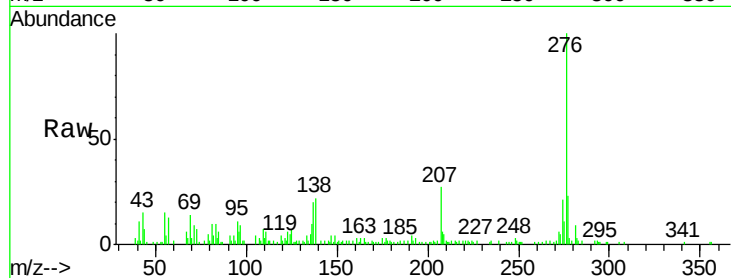




#92
 Benzo(a,h,i)perylene
 Concen: 3.277 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BF115685.D
 Acq: 19 Jul 2019 21:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.5	19.0	28.4
138	21.6	17.2	25.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

