

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115608.D
 Acq On : 16 Jul 2019 20:11
 Operator : HP/JU
 Sample : K3622-05 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 17 03:54:48 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	156475	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	521835	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	235955	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	402792	20.00	ng	0.00
76) Chrysene-d12	14.04	240	339889	20.00	ng	-0.01
87) Perylene-d12	15.52	264	373556	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	368314	38.50	ng	0.00
7) Phenol-d6	6.50	99	472449	38.92	ng	-0.02
23) Nitrobenzene-d5	7.43	82	294145	32.78	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	95639	34.73	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	489373	36.30	ng	-0.02
79) Terphenyl-d14	12.99	244	468012	25.41	ng	-0.01

Target Compounds

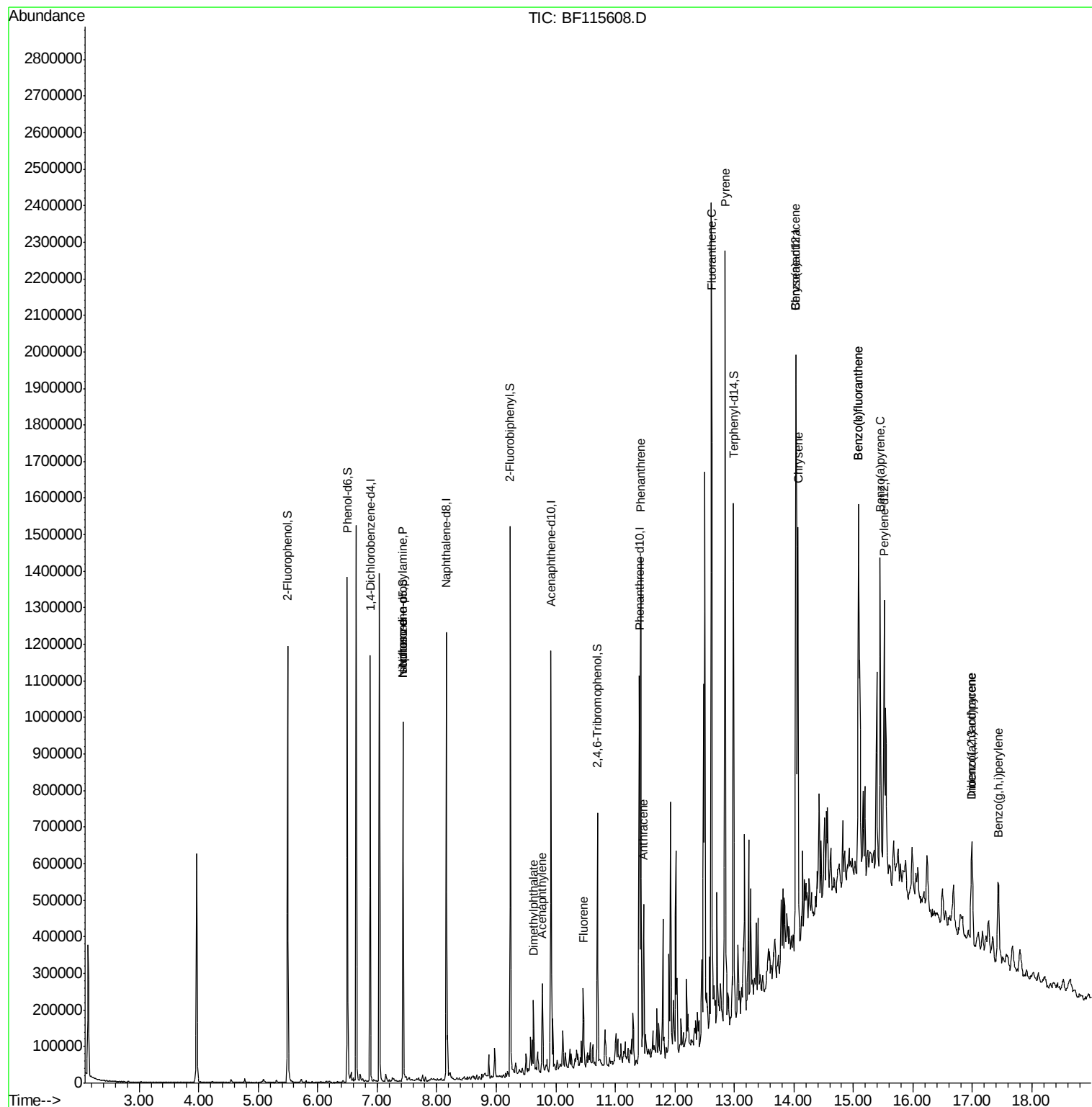
						Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	38890	4.913	ng	# 80
25) Isophorone	7.43	82	286984	15.981	ng	# 64
49) Acenaphthylene	9.77	152	99001	4.350	ng	95
50) Dimethylphthalate	9.63	163	71268	4.015	ng	98
58) Fluorene	10.46	166	57020	3.822	ng	95
71) Phenanthrene	11.43	178	491235	23.792	ng	96
72) Anthracene	11.47	178	160080	7.502	ng	98
75) Fluoranthene	12.62	202	866977	39.737	ng	98
78) Pyrene	12.84	202	883822	30.692	ng	97
81) Benzo(a)anthracene	14.03	228	488303	21.807	ng	95
83) Chrysene	14.07	228	466868	20.770	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	212987	11.153	ng	94
88) Benzo(b)fluoranthene	15.09	252	808882	33.628	ng	99
89) Benzo(k)fluoranthene	15.09	252	808882	37.718	ng	99
90) Benzo(a)pyrene	15.45	252	427498	20.678	ng	99
91) Dibenzo(a,h)anthracene	17.00	278	54260	2.990	ng	# 85
92) Benzo(a,h,i)perylene	17.43	276	191025	10.553	ng	97

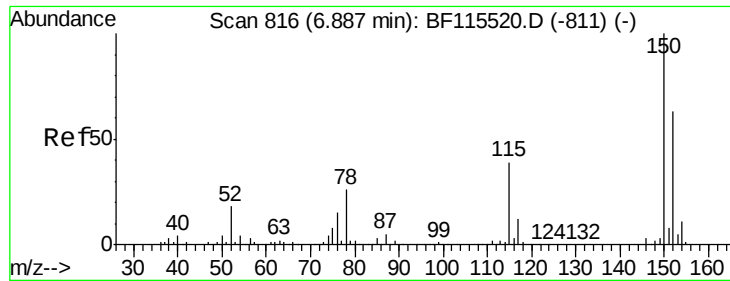
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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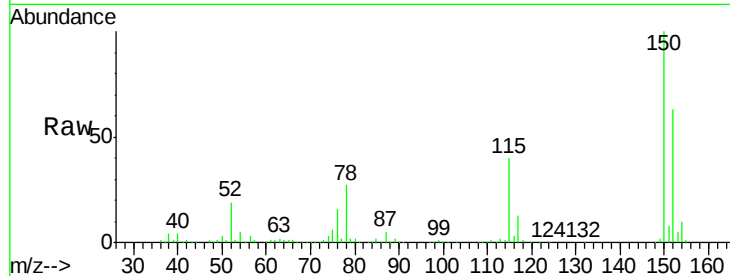


#1

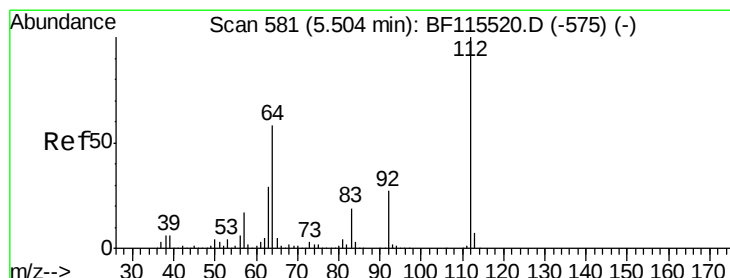
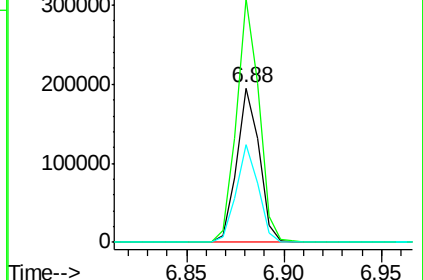
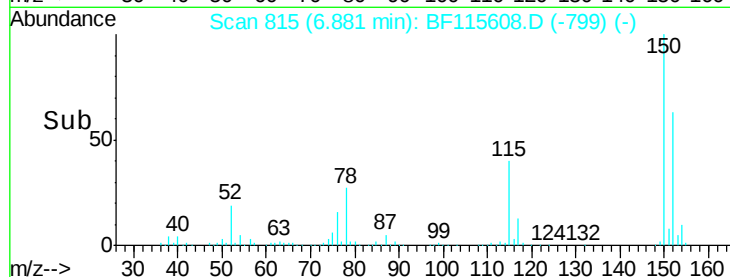
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 156475
Ion Ratio Lower Upper
152 100
150 157.9 129.7 194.5
115 63.4 48.2 72.4



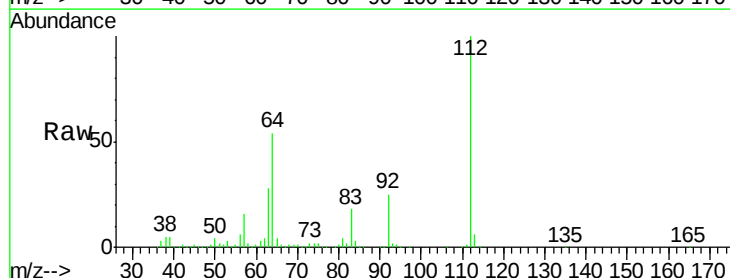
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



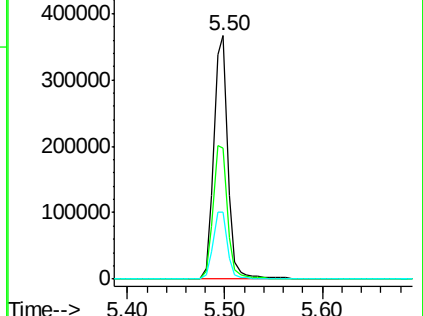
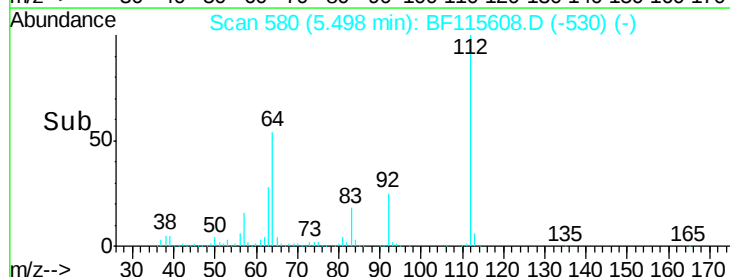
#5

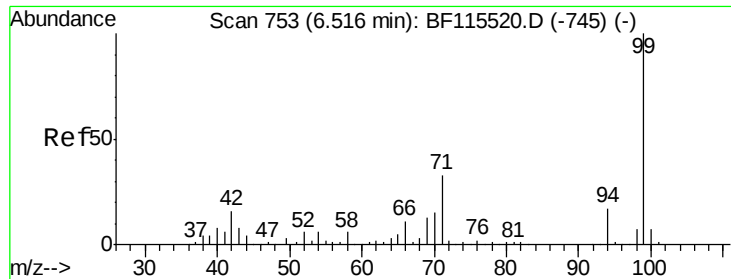
2-Fluorophenol
Concen: 38.502 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Tgt Ion:112 Resp: 368314
Ion Ratio Lower Upper
112 100
64 54.0 46.8 70.2
63 27.7 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: 38.922 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

Instrument :

BNA_F

ClientSampleId :

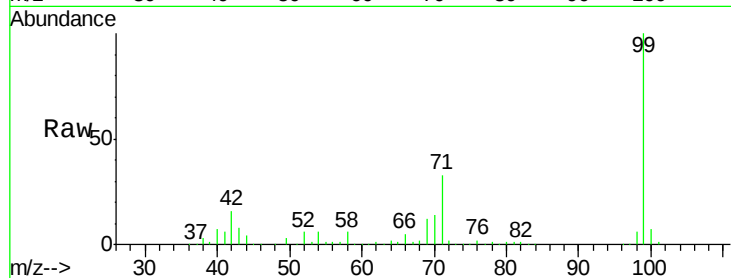
Tot Ion: 99 Resp: 472449

Ion Ratio Lower Upper

99 100

42 16.2 13.6 20.4

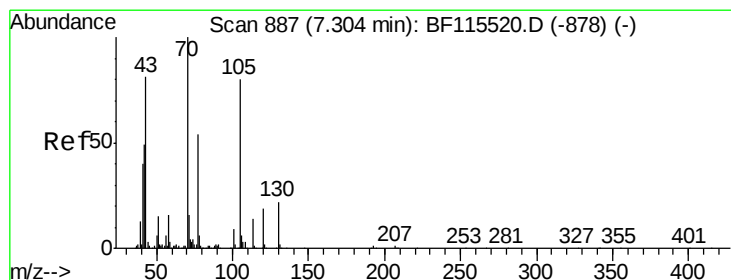
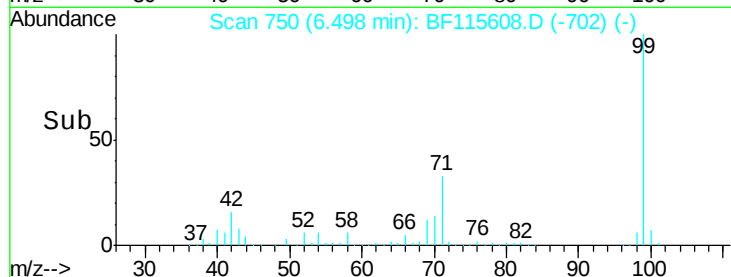
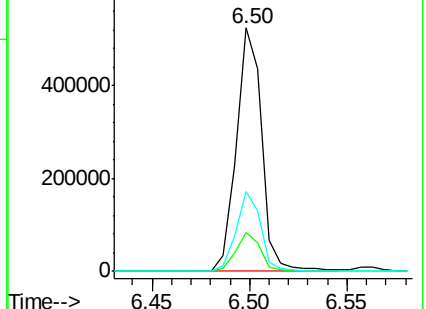
71 32.5 28.5 42.7



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: 4.913 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

Tgt Ion: 70 Resp: 38890

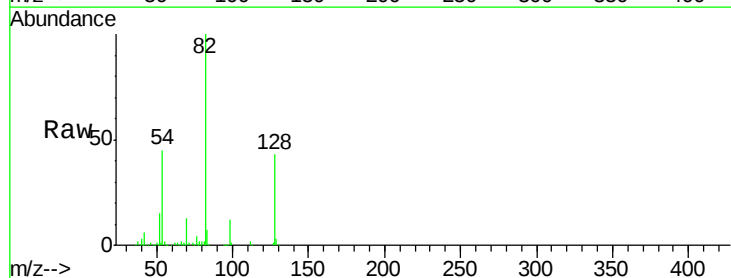
Ion Ratio Lower Upper

70 100

42 43.2 39.6 59.4

101 0.0 8.1 12.1#

130 2.3 18.2 27.2#

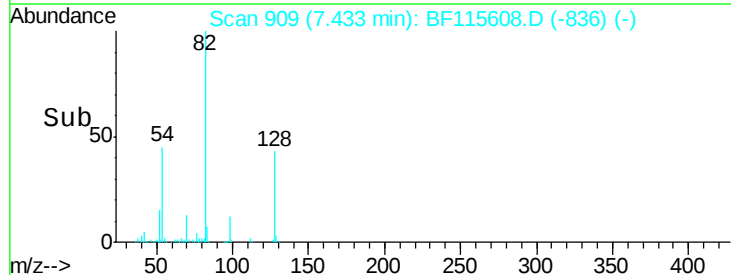
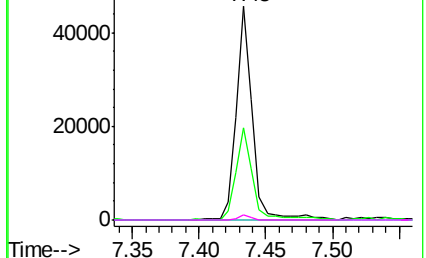


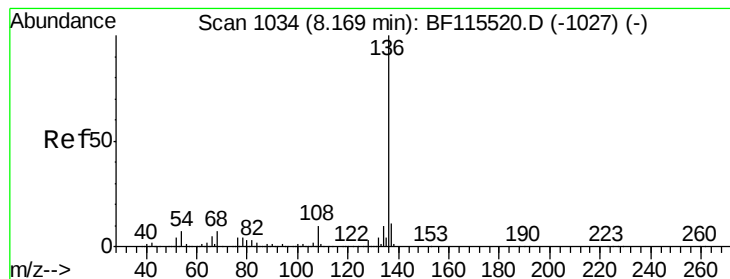
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 521835

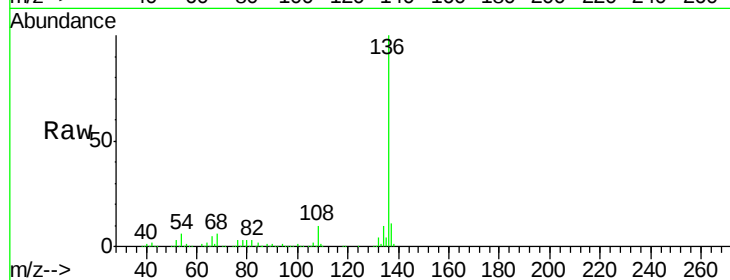
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.4 5.6 8.4

68 6.0 5.0 7.6

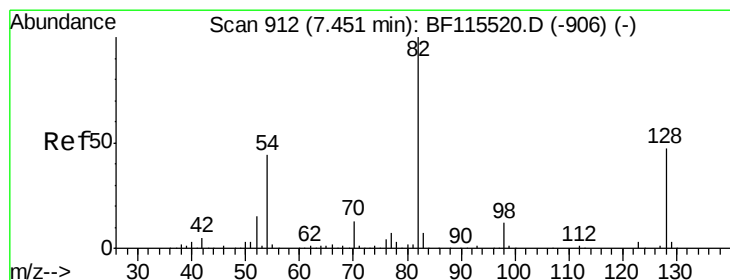
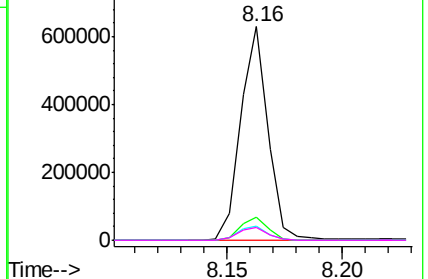
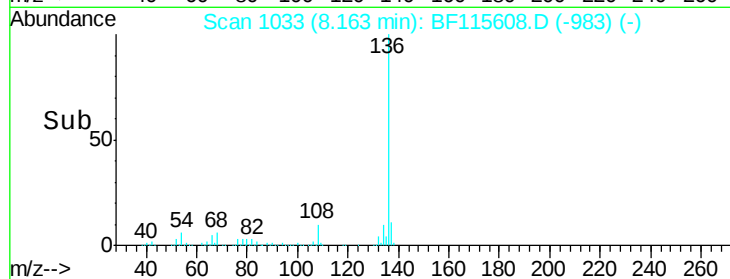


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.776 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

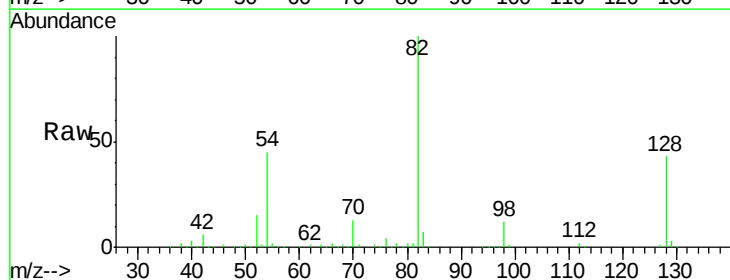
Tgt Ion: 82 Resp: 294145

Ion Ratio Lower Upper

82 100

128 43.5 38.6 57.8

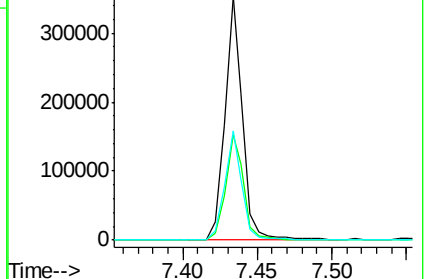
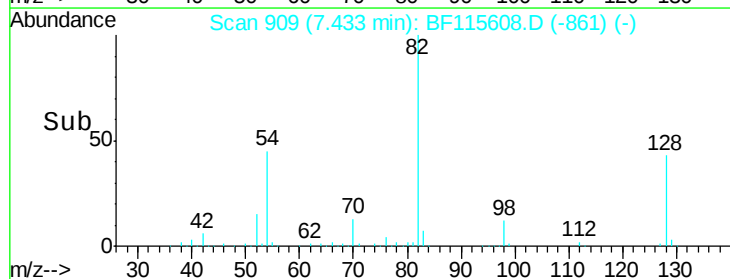
54 44.6 35.6 53.4

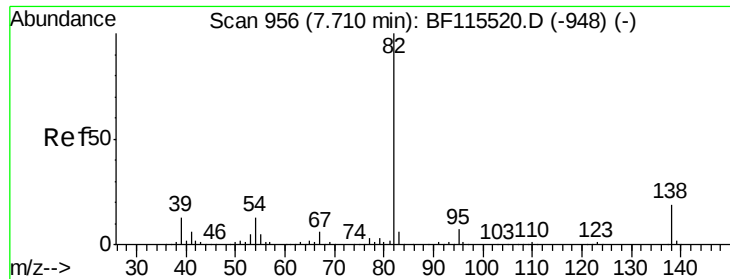


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 15.981 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

Instrument :

BNA_F

ClientSampled :

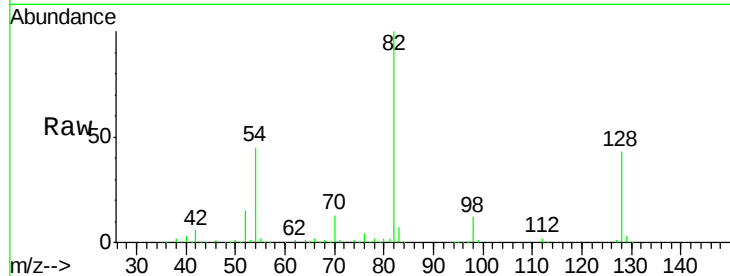
Tot Ion: 82 Resp: 286984

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

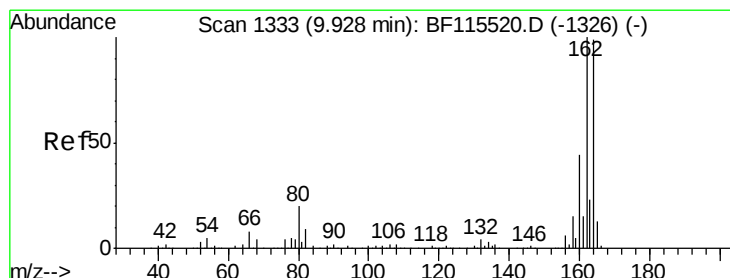
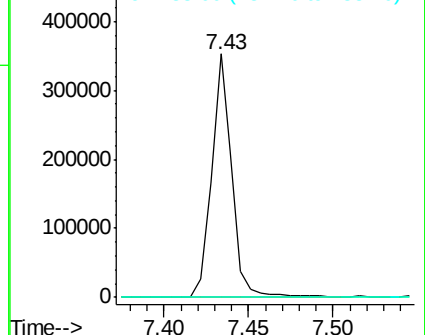
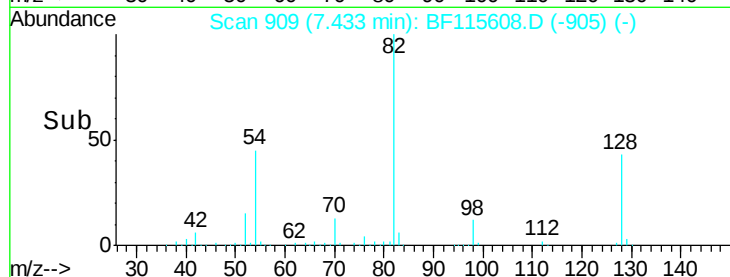
138 0.0 14.9 22.3#



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: BF115608.D

Acq: 16 Jul 2019 20:11

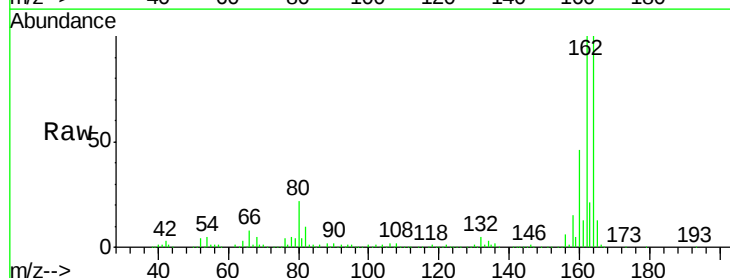
Tgt Ion: 164 Resp: 235955

Ion Ratio Lower Upper

164 100

162 99.9 82.9 124.3

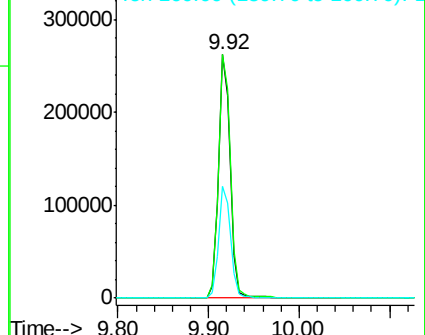
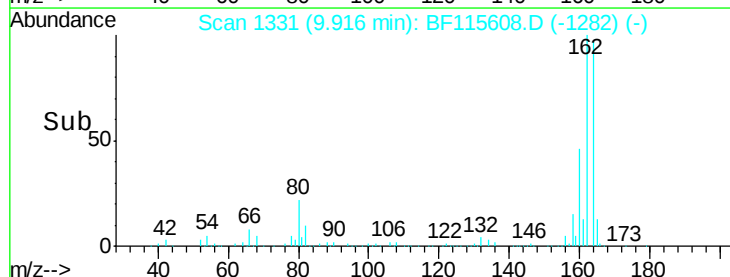
160 45.7 36.8 55.2

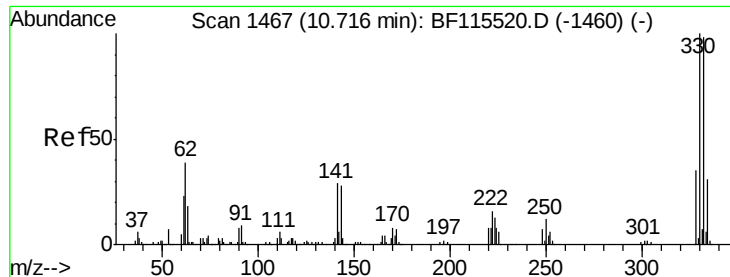


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 34.725 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

Instrument :

BNA_F

ClientSampleId :

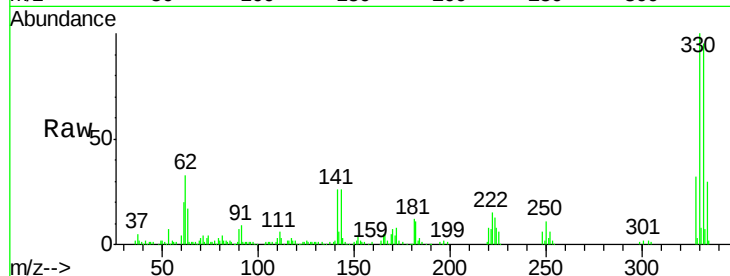
Tot Ion:330 Resp: 95639

Ion Ratio Lower Upper

330 100

332 95.5 77.4 116.2

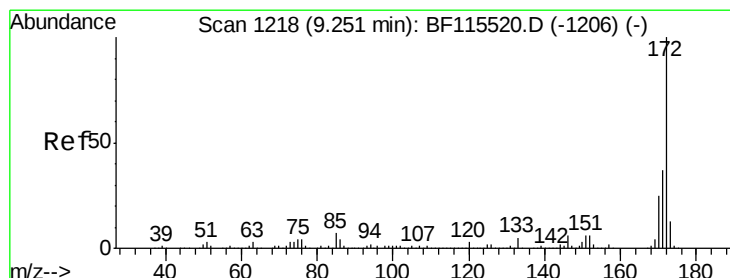
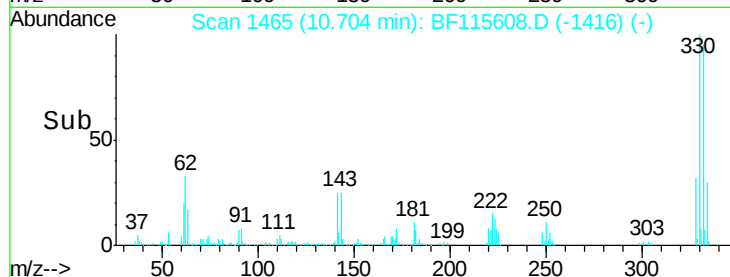
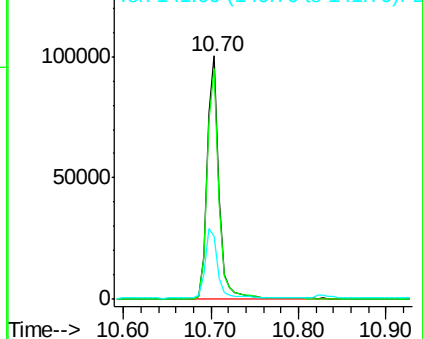
141 29.8 22.4 33.6



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: 36.301 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.02 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

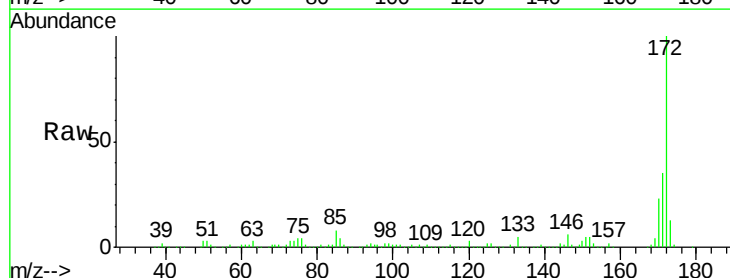
Tgt Ion:172 Resp: 489373

Ion Ratio Lower Upper

172 100

171 35.0 30.6 46.0

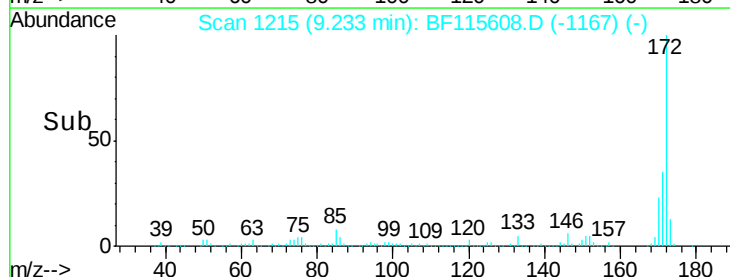
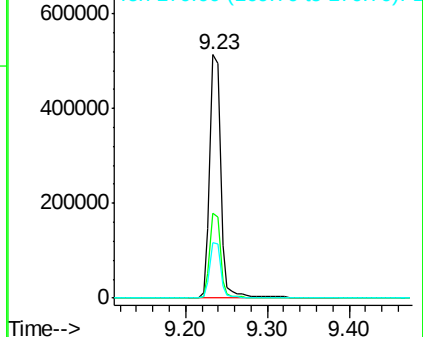
170 22.8 20.5 30.7

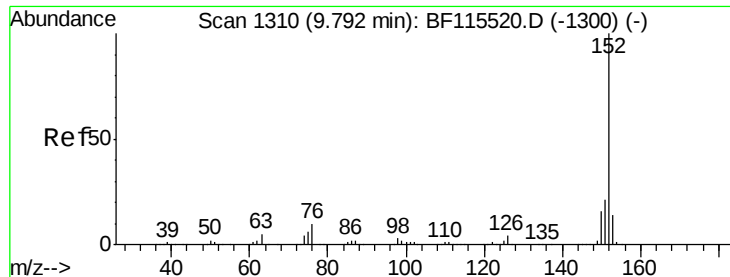


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 4.350 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

Instrument :

BNA_F

ClientSampleId :

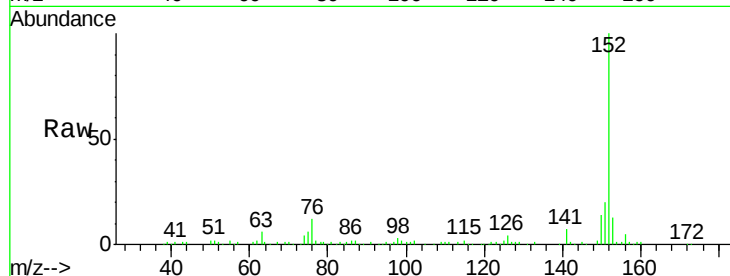
Tot Ion:152 Resp: 99001

Ion Ratio Lower Upper

152 100

151 19.6 17.7 26.5

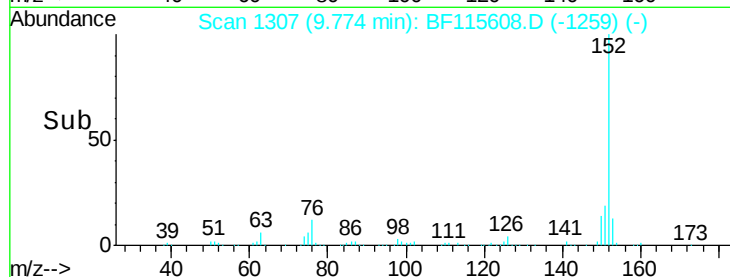
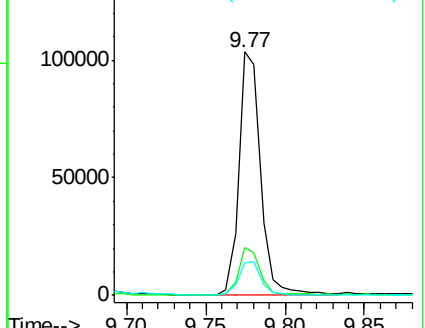
153 13.4 12.0 18.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.015 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

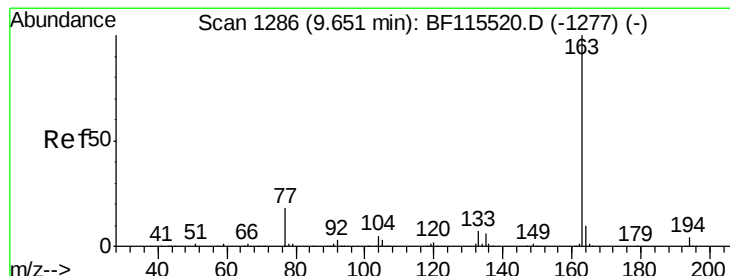
Tgt Ion:163 Resp: 71268

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

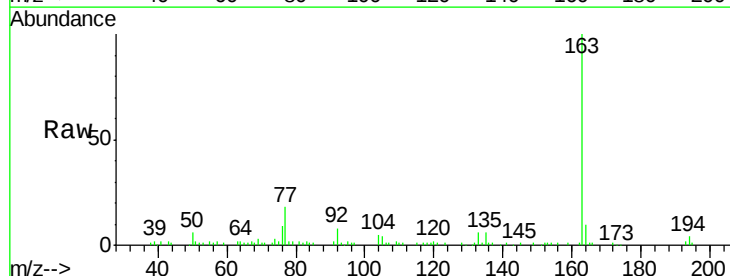
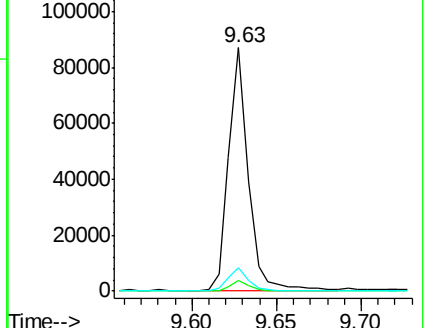
164 9.7 8.7 13.1

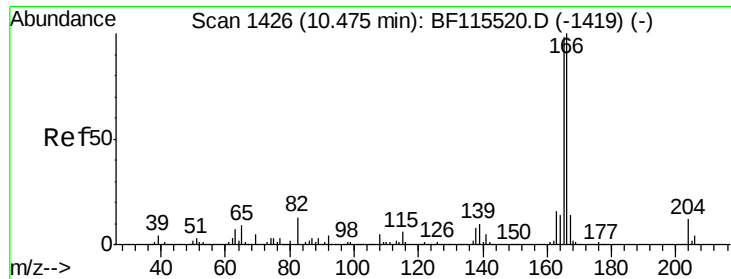


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

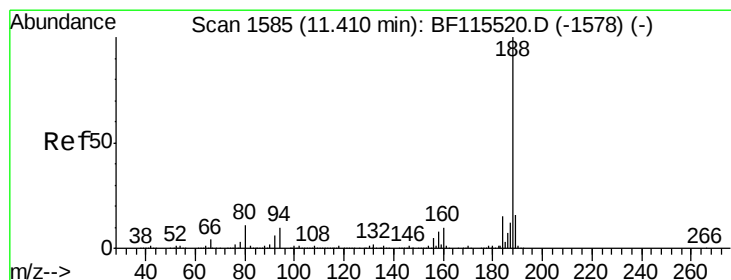
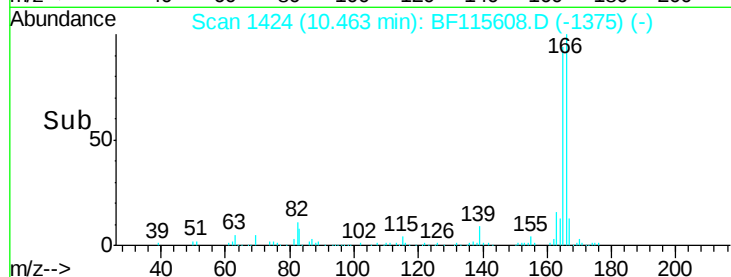
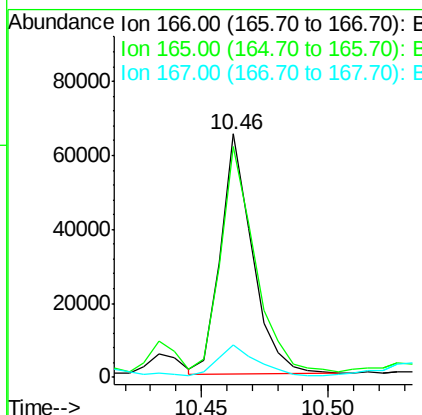
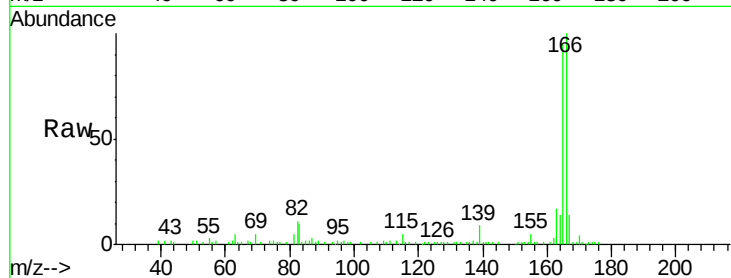




#58
 Fluorene
 Concen: 3.822 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF115608.D
 Acq: 16 Jul 2019 20:11

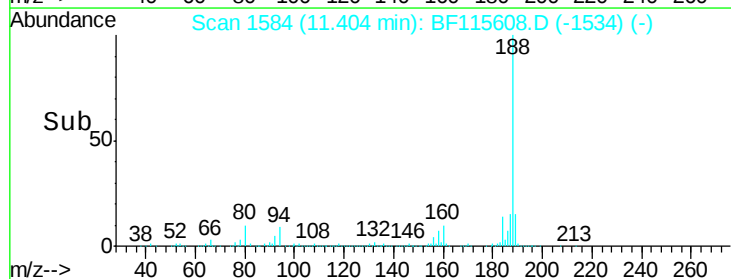
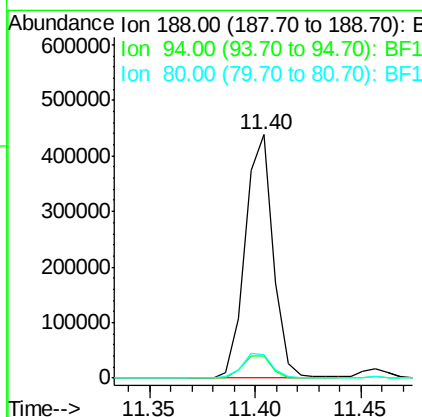
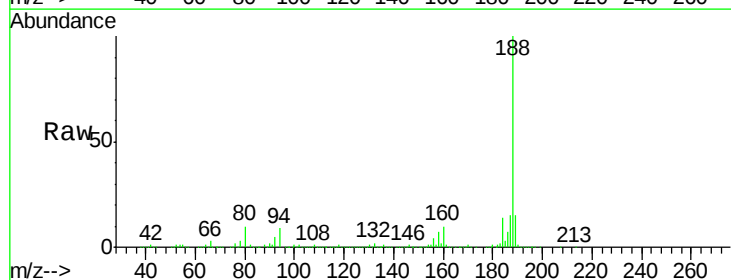
Instrument :
 BNA_F
 ClientSampleId :

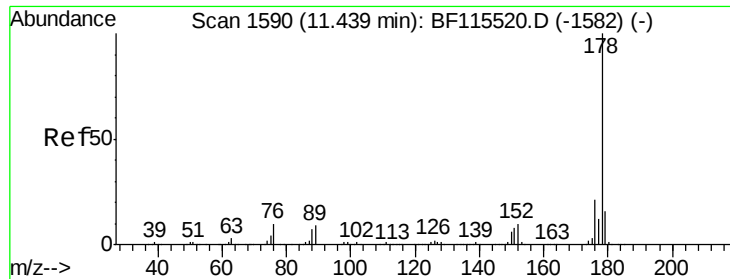
Tot Ion:166 Resp: 57020
 Ion Ratio Lower Upper
 166 100
 165 94.6 79.8 119.6
 167 13.6 11.2 16.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115608.D
 Acq: 16 Jul 2019 20:11

Tgt Ion:188 Resp: 402792
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.8 11.6
 80 9.5 8.6 13.0

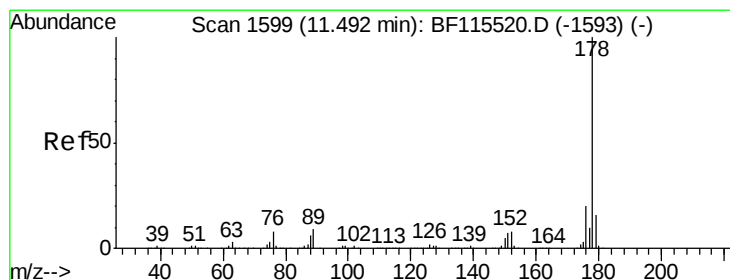
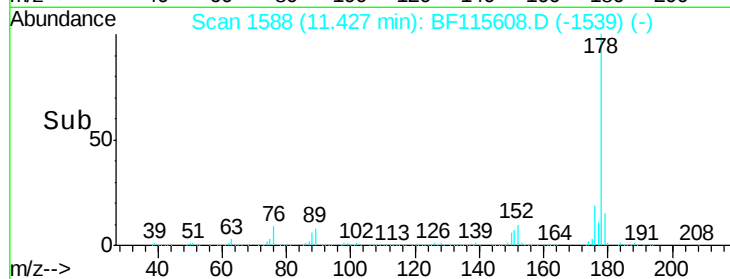
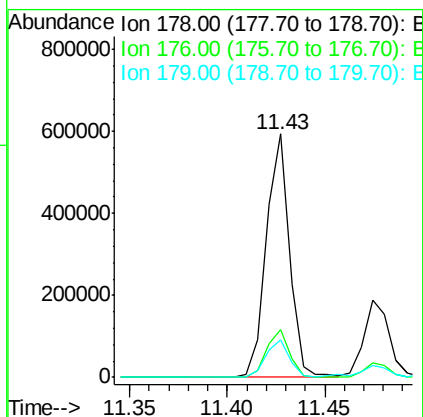
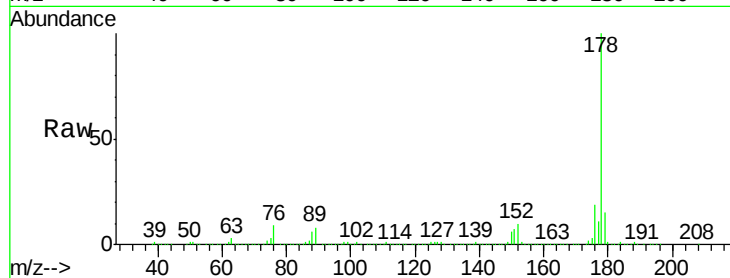




#71
Phenanthrene
Concen: 23.792 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

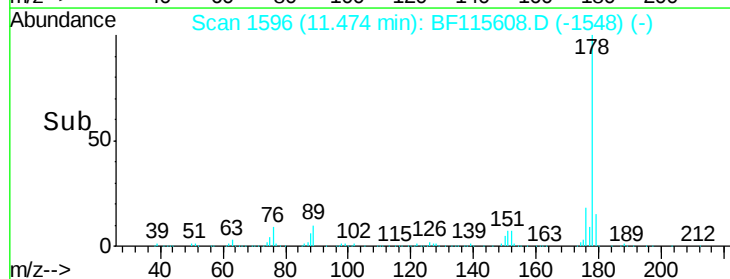
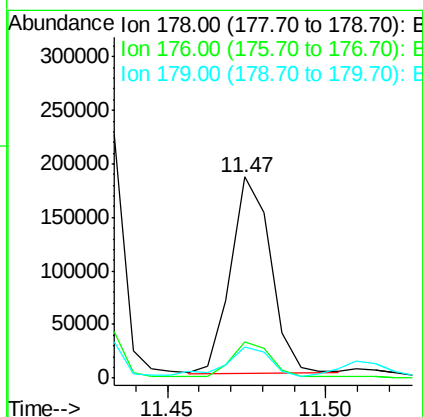
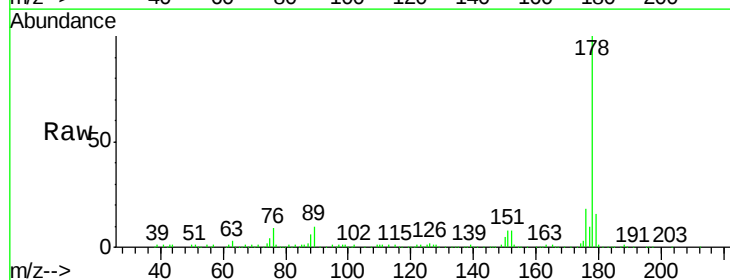
Instrument :
BNA_F
ClientSampleId :

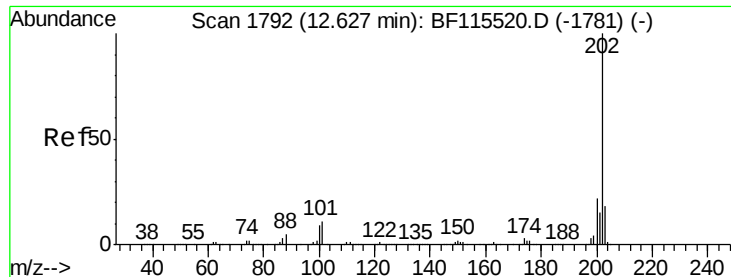
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.2	25.8
179	15.4	13.5	20.3



#72
Anthracene
Concen: 7.502 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.9	23.9
179	15.7	12.7	19.1





#75

Fluoranthene

Concen: 39.737 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

Instrument :

BNA_F

ClientSampleId :

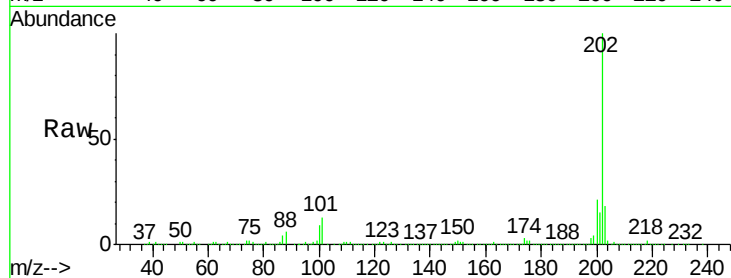
Tot Ion:202 Resp: 866977

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.4

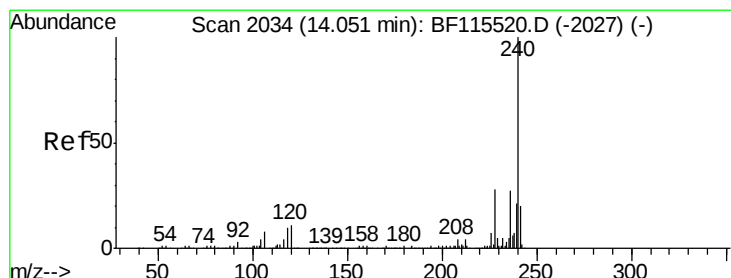
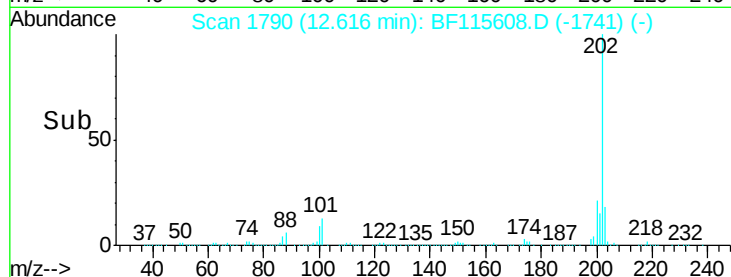
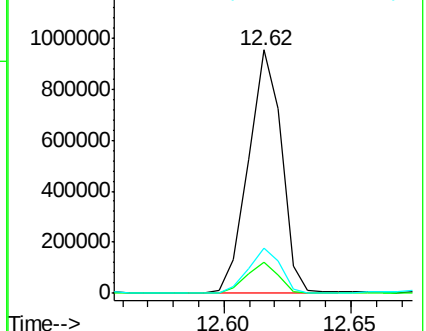
203 18.4 0.0 38.1



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# 2032

Delta R.T. -0.01 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

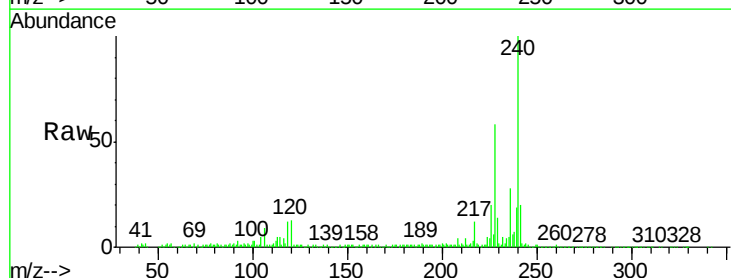
Tgt Ion:240 Resp: 339889

Ion Ratio Lower Upper

240 100

120 12.9 8.6 13.0

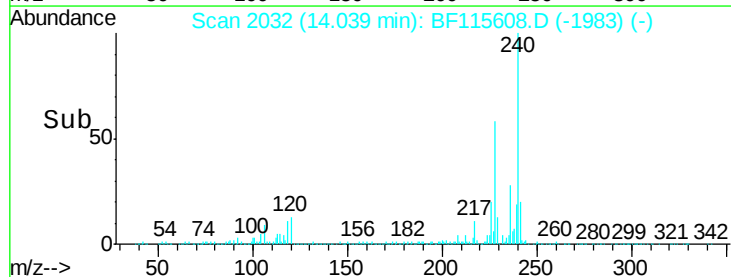
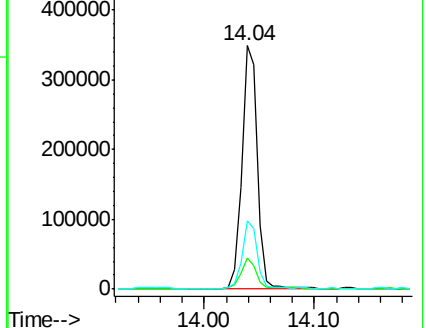
236 27.9 21.3 31.9

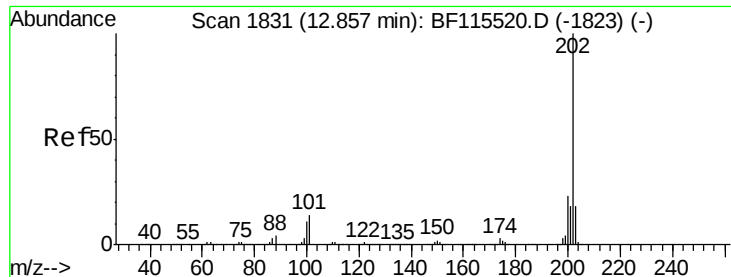


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 30.692 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

Instrument :

BNA_F

ClientSampleId :

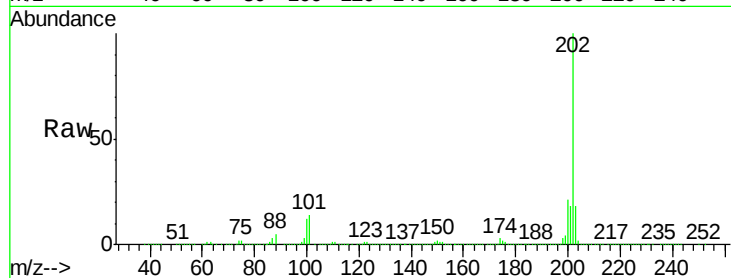
Tot Ion:202 Resp: 883822

Ion Ratio Lower Upper

202 100

200 21.4 18.7 28.1

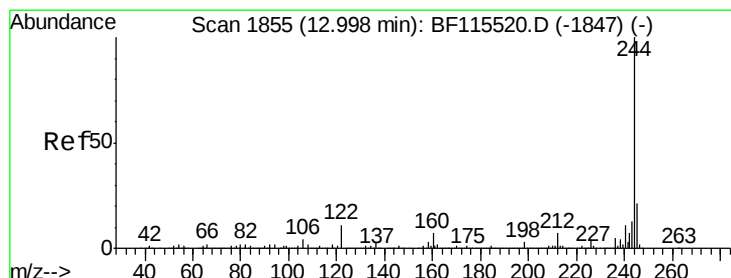
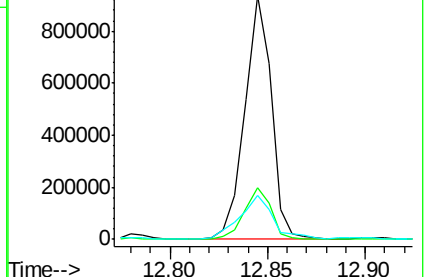
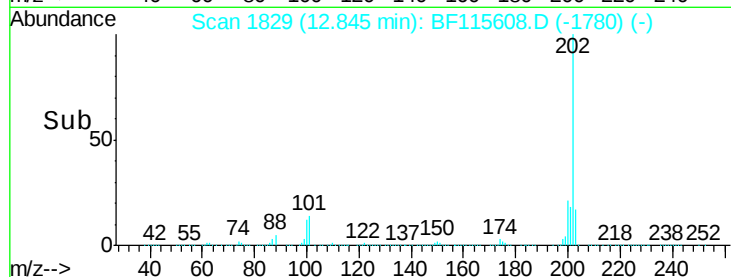
203 18.1 15.2 22.8



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: 25.407 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

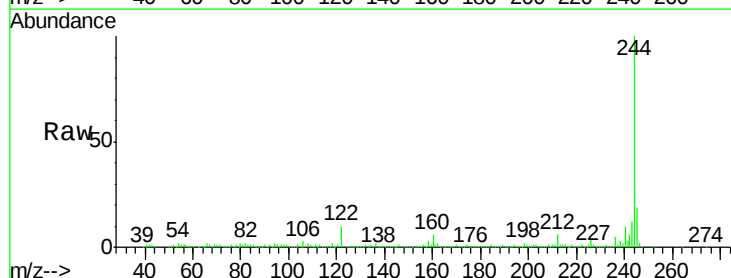
Tgt Ion:244 Resp: 468012

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

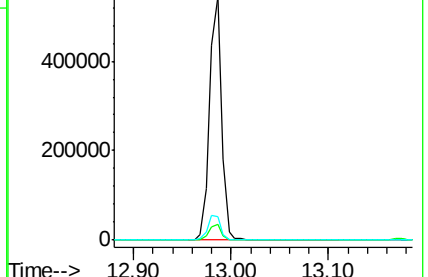
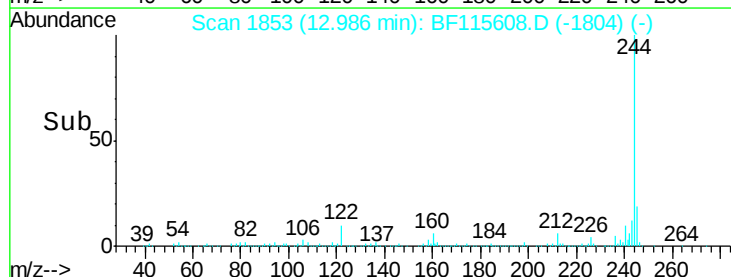
122 9.7 8.6 12.8

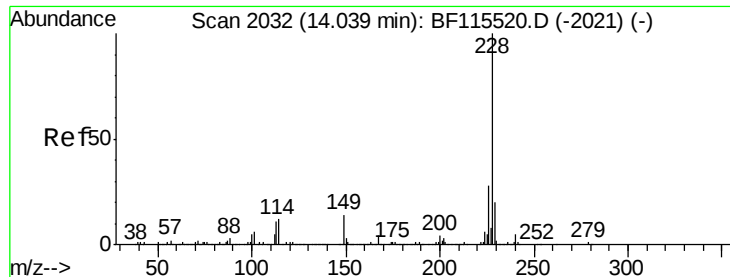


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

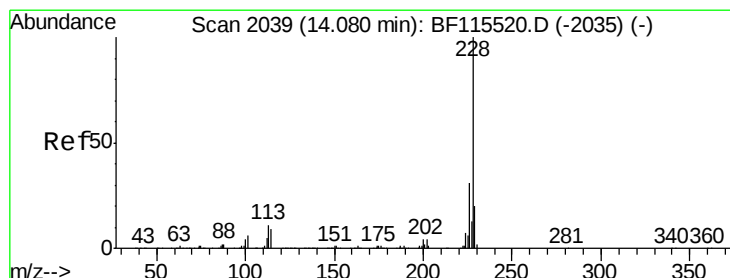
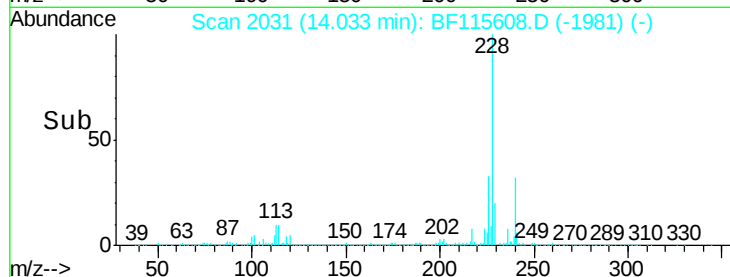
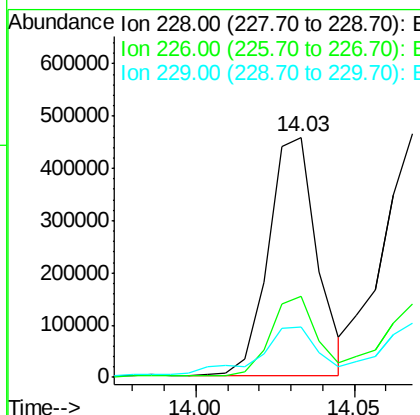
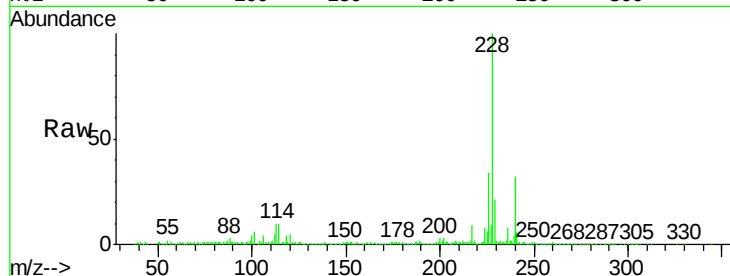




#81
Benzo(a)anthracene
Concen: 21.807 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

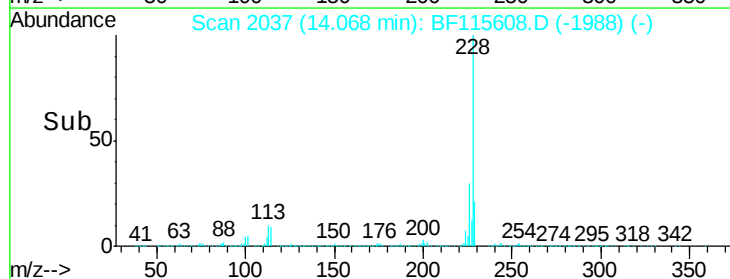
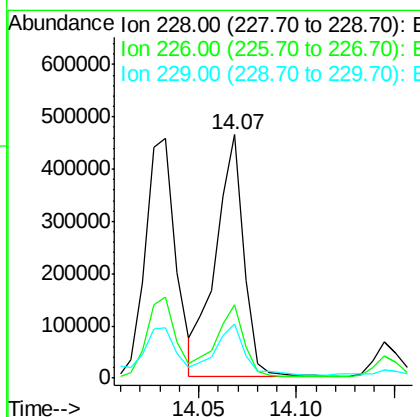
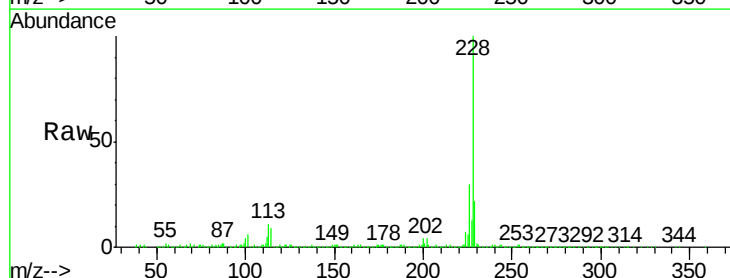
Instrument :
BNA_F
ClientSampleId :

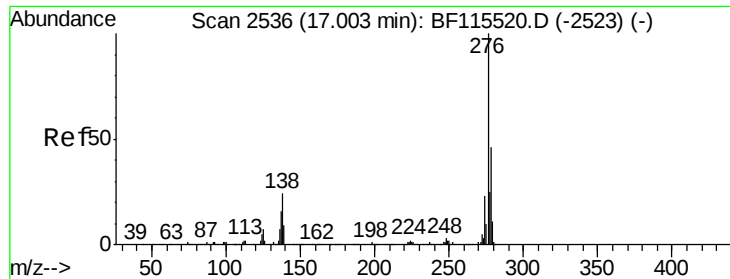
Tot Ion:228 Resp: 488303
Ion Ratio Lower Upper
228 100
226 33.6 23.4 35.0
229 21.2 17.2 25.8



#83
Chrysene
Concen: 20.770 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Tgt Ion:228 Resp: 466868
Ion Ratio Lower Upper
228 100
226 30.3 25.7 38.5
229 22.4 16.6 25.0

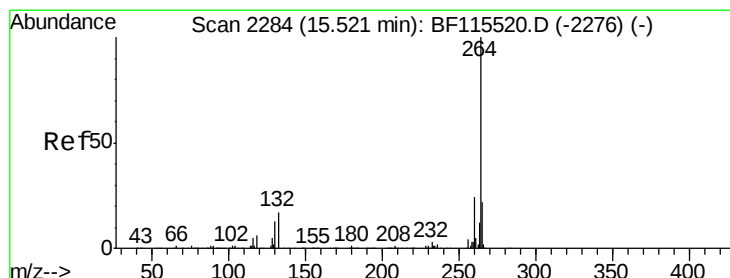
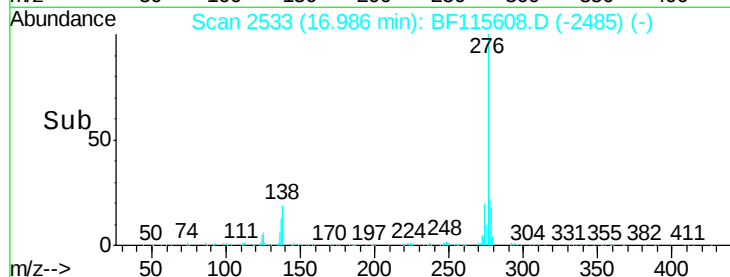
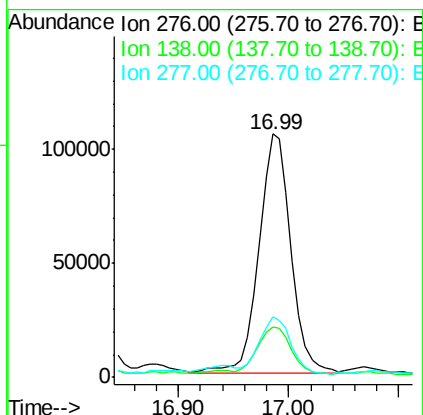
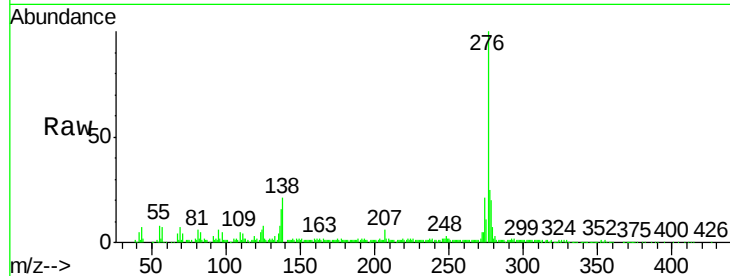




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 11.153 ng
 RT: 16.99 min Scan# 2533
 Delta R.T. -0.02 min
 Lab File: BF115608.D
 Acq: 16 Jul 2019 20:11

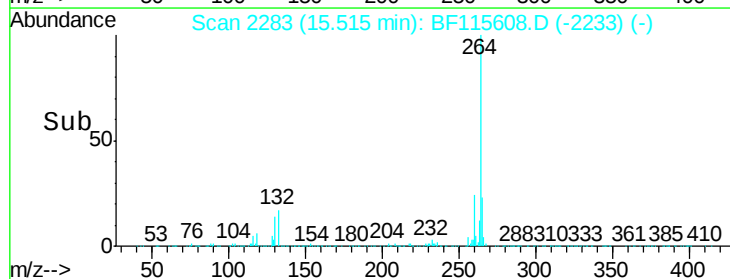
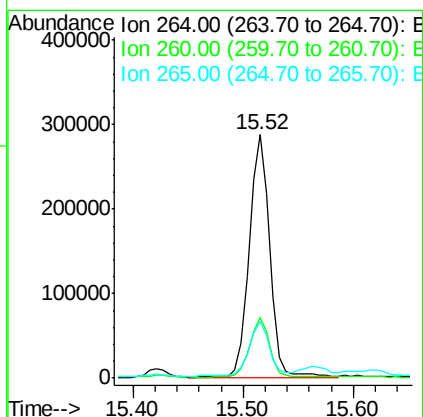
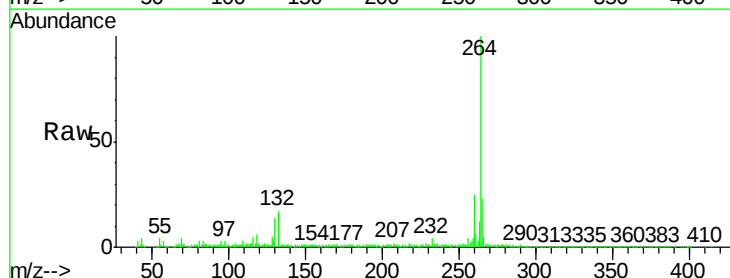
Instrument :
 BNA_F
 ClientSampleId :

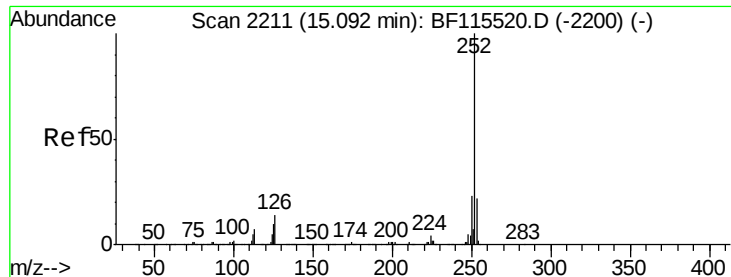
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	20.2	30.2
277	23.7	20.4	30.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: BF115608.D
 Acq: 16 Jul 2019 20:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.8
265	23.1	17.7	26.5

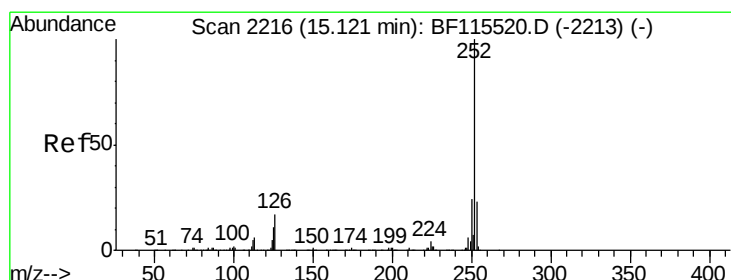
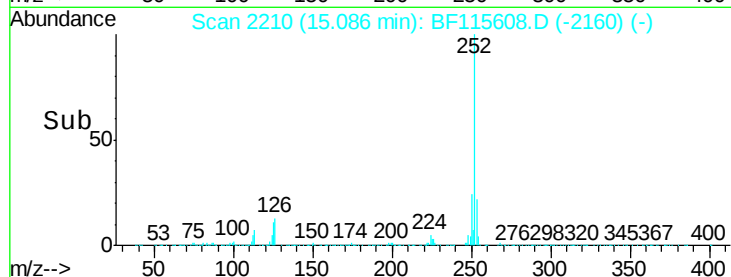
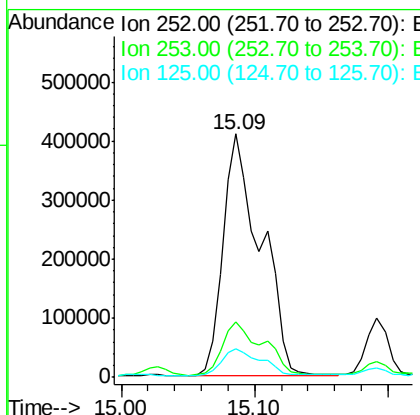
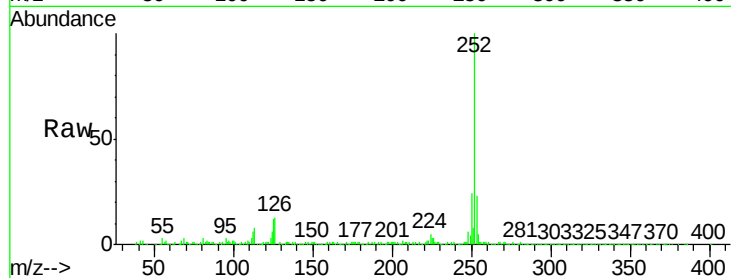




#88
Benzo(b)fluoranthene
Concen: 33.628 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

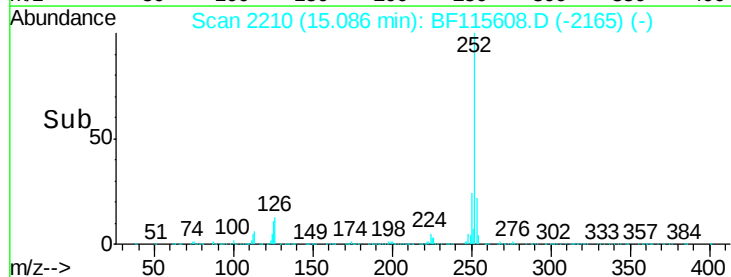
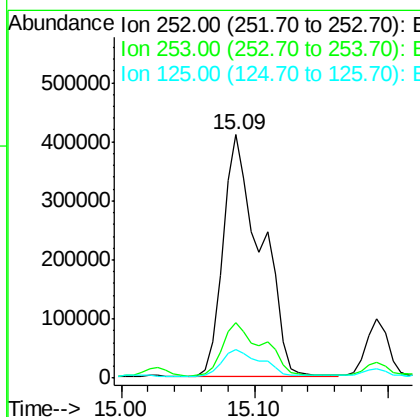
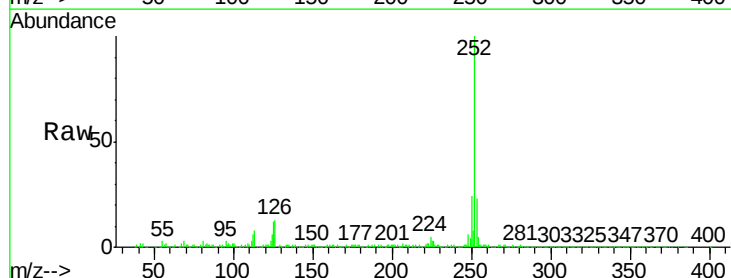
Instrument :
BNA_F
ClientSampleId :

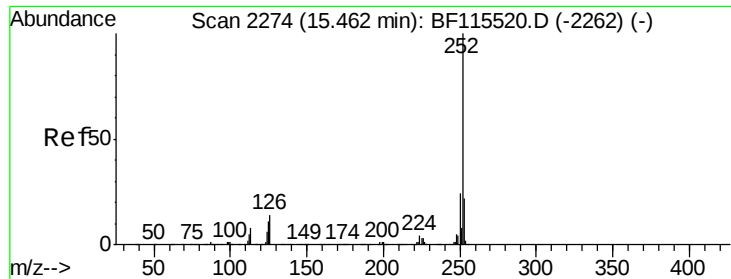
Tot Ion:252 Resp: 808882
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 11.8 9.0 13.4



#89
Benzo(k)fluoranthene
Concen: 37.718 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Tgt Ion:252 Resp: 808882
Ion Ratio Lower Upper
252 100
253 23.0 18.6 28.0
125 11.8 9.0 13.6

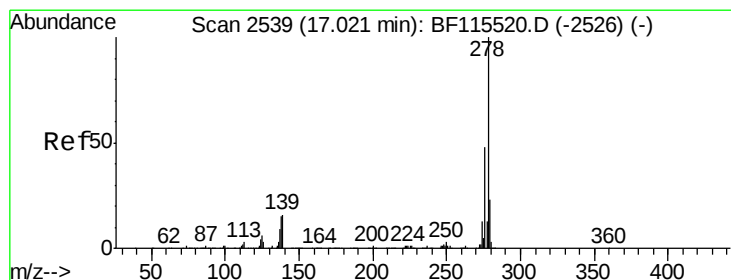
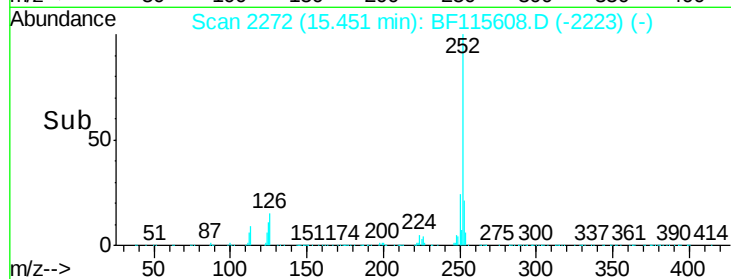
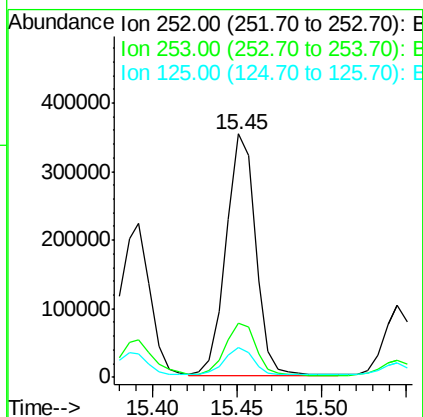
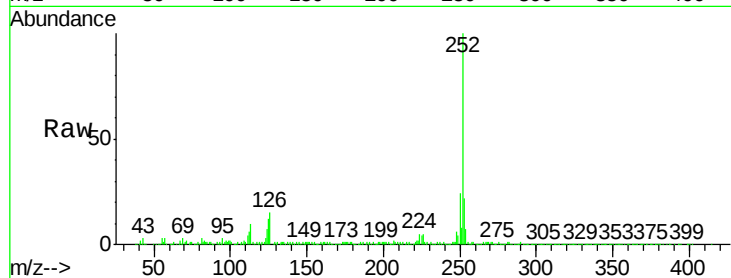




#90
Benzo(a)pyrene
Concen: 20.678 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

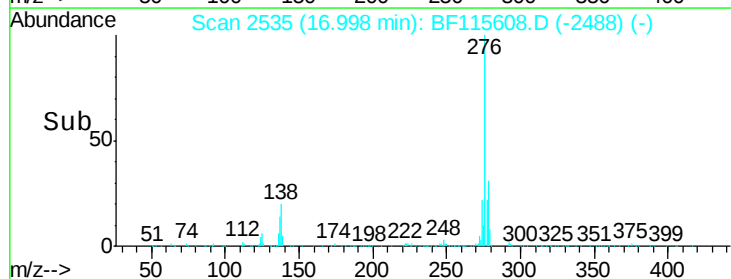
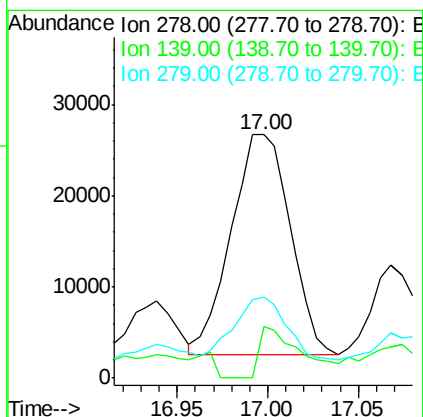
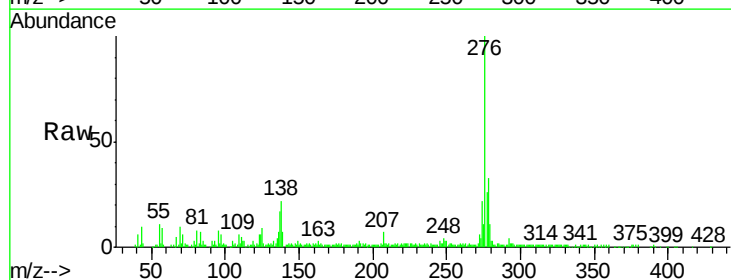
Instrument :
BNA_F
ClientSampleId :

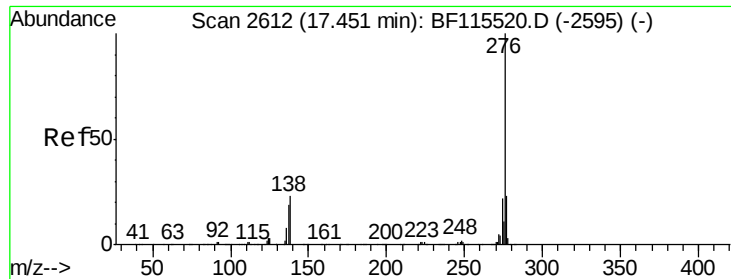
Tot Ion:252 Resp: 427498
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 12.5 9.1 13.7



#91
Dibenzo(a,h)anthracene
Concen: 2.990 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.02 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Tgt Ion:278 Resp: 54260
Ion Ratio Lower Upper
278 100
139 21.4 13.1 19.7#
279 33.2 19.6 29.4#





#92
 Benzo(a,h,i)perylene
 Concen: 10.553 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. -0.02 min
 Lab File: BF115608.D
 Acq: 16 Jul 2019 20:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.4
138	22.8	17.2	25.8

