

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115682.D
 Acq On : 19 Jul 2019 20:01
 Operator : HP/JU
 Sample : K3868-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 01:41:03 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	219511	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	897753	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	435778	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	727433	20.00	ng	0.00
76) Chrysene-d12	14.04	240	392977	20.00	ng	0.00
87) Perylene-d12	15.52	264	361366	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1201889	89.56	ng	0.00
7) Phenol-d6	6.52	99	1598962	93.90	ng	0.00
23) Nitrobenzene-d5	7.44	82	1028766	66.63	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	408789	80.37	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1781406	71.55	ng	-0.01
79) Terphenyl-d14	12.99	244	1511240	70.96	ng	0.00

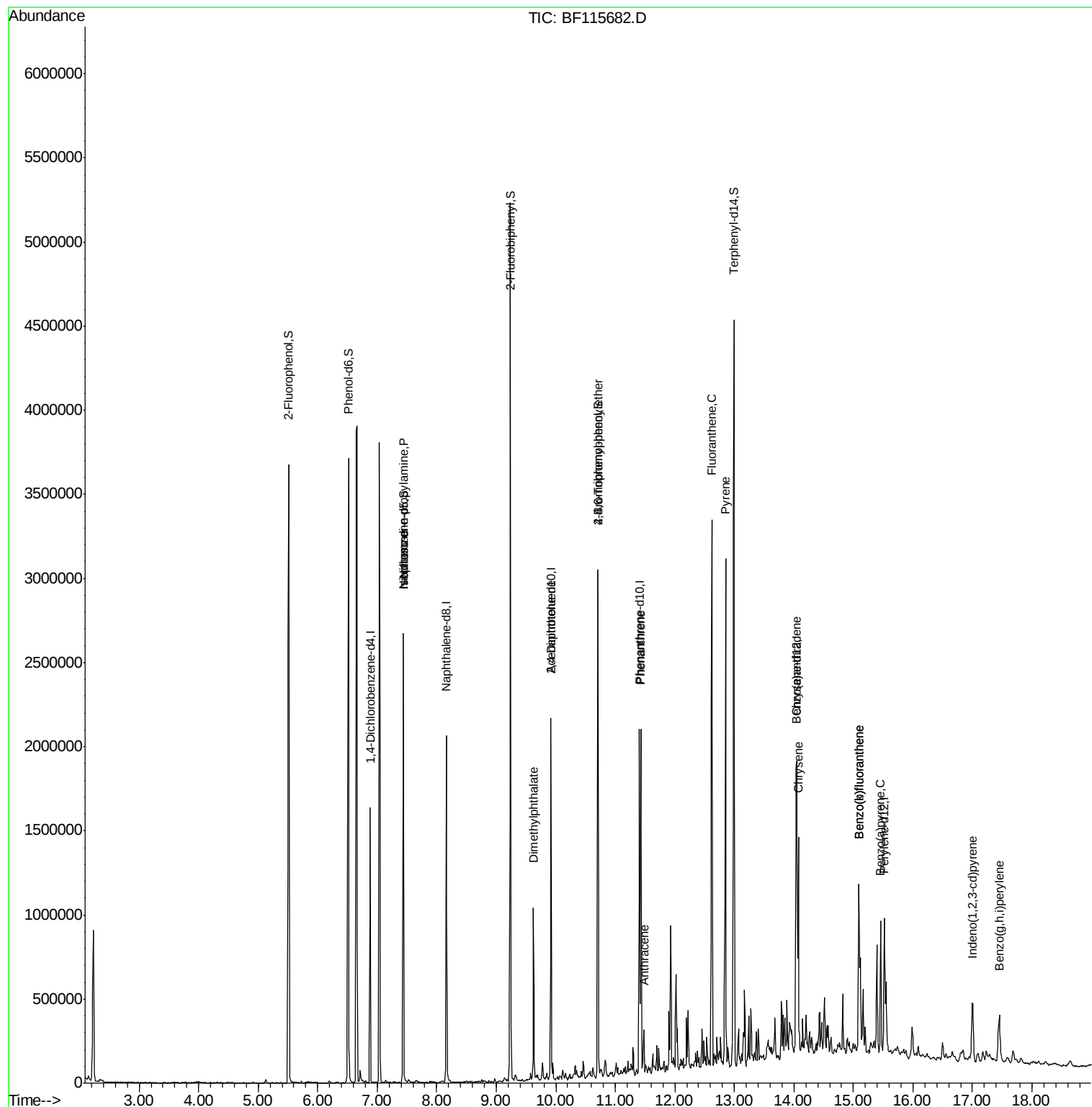
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	137795	12.408	ng	# 80
25) Isophorone	7.44	82	1011691	32.747	ng	# 64
50) Dimethylphthalate	9.63	163	368854	11.250	ng	98
57) 2,4-Dinitrotoluene	9.92	165	57332	5.939	ng	# 24
67) 4-Bromophenyl-phenylether	10.71	248	24164	2.907	ng	# 1
71) Phenanthrene	11.43	178	703470	18.866	ng	97
72) Anthracene	11.48	178	94629	2.456	ng	96
75) Fluoranthene	12.62	202	1275933	32.382	ng	98
78) Pyrene	12.85	202	1203841	36.157	ng	98
81) Benzo(a)anthracene	14.03	228	478442	18.480	ng	99
83) Chrysene	14.07	228	512129	19.705	ng	97
86) Indeno(1,2,3-cd)pyrene	17.00	276	231976	10.506	ng	96
88) Benzo(b)fluoranthene	15.09	252	745964	32.058	ng	99
89) Benzo(k)fluoranthene	15.09	252	745964	35.958	ng	98
90) Benzo(a)pyrene	15.46	252	370692	18.535	ng	98
92) Benzo(g,h,i)perylene	17.45	276	234735	13.405	ng	99

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

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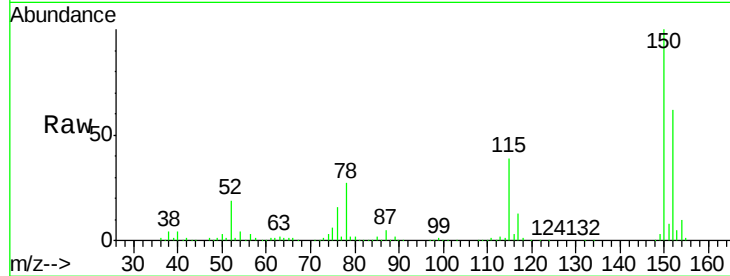


#1

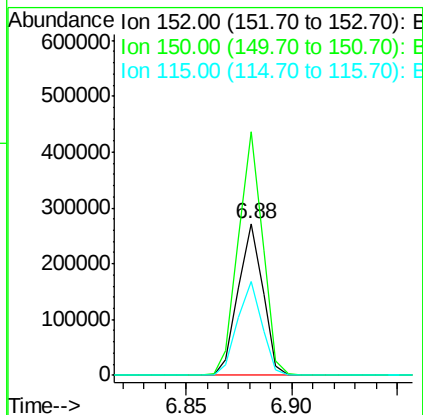
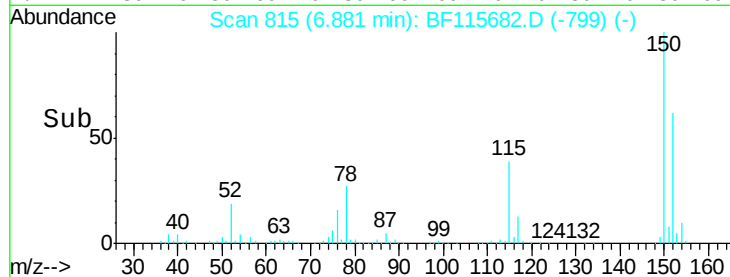
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	129.7	194.5
115	61.8	48.2	72.4



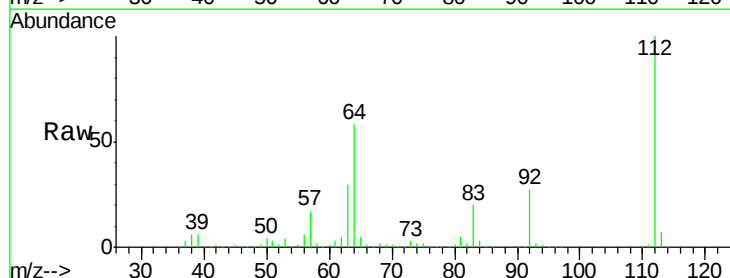
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



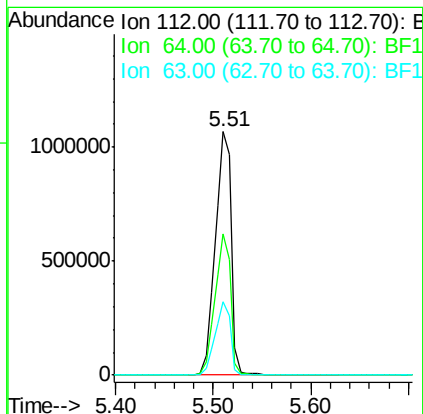
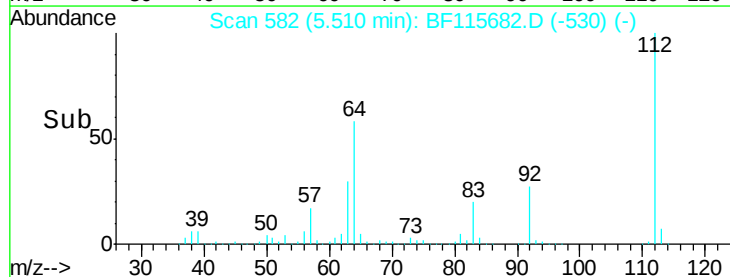
#5

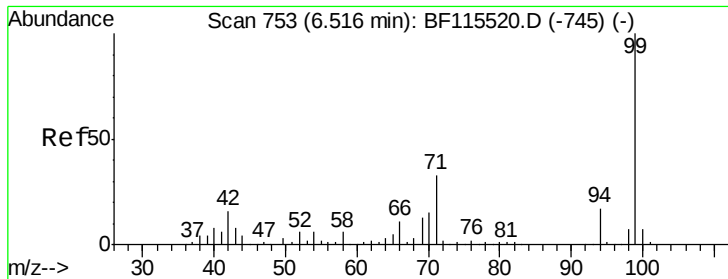
2-Fluorophenol
Concen: 89.560 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.8	70.2
63	30.2	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: 93.900 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Instrument :

BNA_F

ClientSampleId :

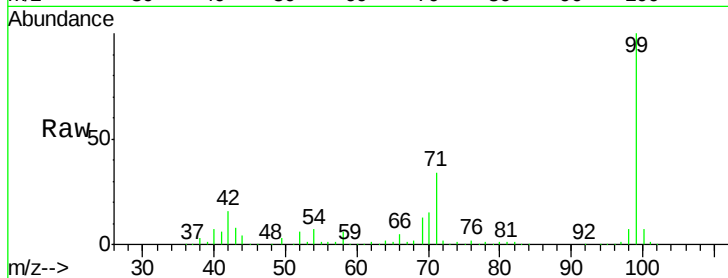
Tot Ion: 99 Resp: 1598962

Ion Ratio Lower Upper

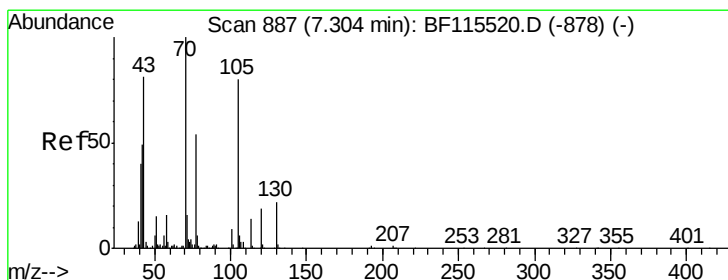
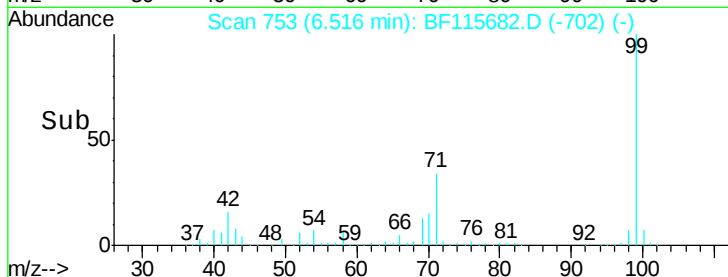
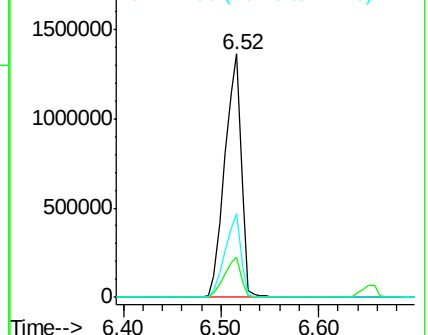
99 100

42 16.5 13.6 20.4

71 34.2 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: 12.408 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Tgt Ion: 70 Resp: 137795

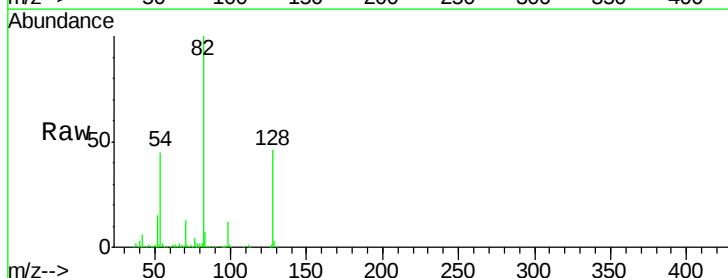
Ion Ratio Lower Upper

70 100

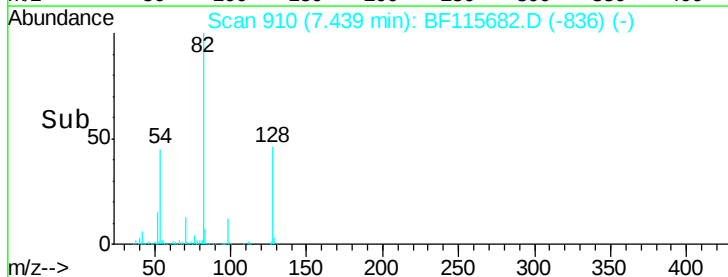
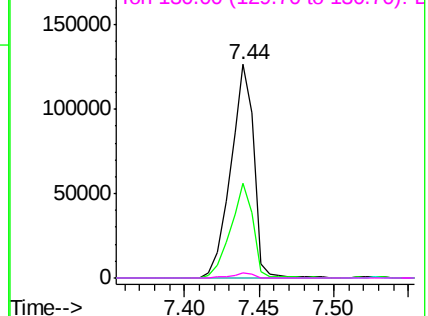
42 44.4 39.6 59.4

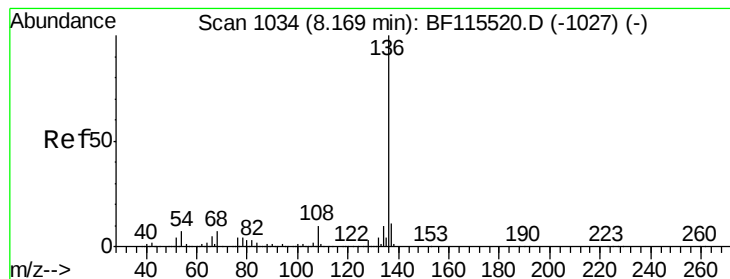
101 0.0 8.1 12.1#

130 2.2 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: BF115682.D

Acq: 19 Jul 2019 20:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 897753

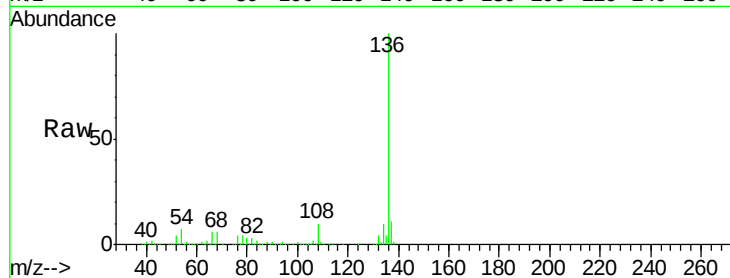
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.2 5.6 8.4

68 6.4 5.0 7.6

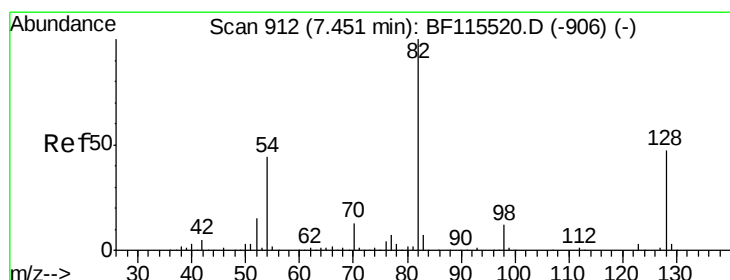
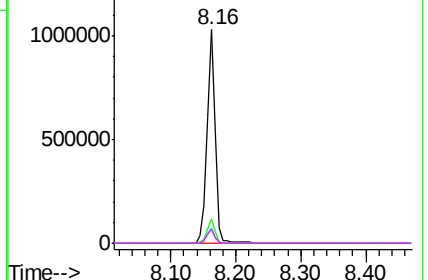
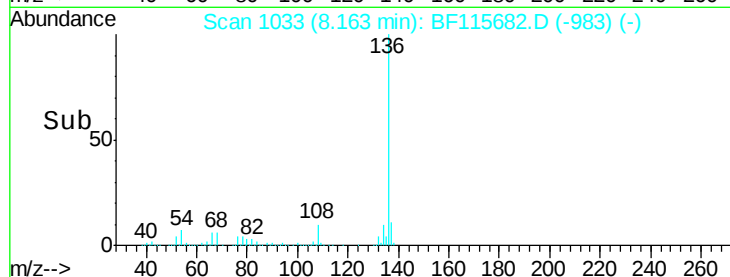


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.632 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

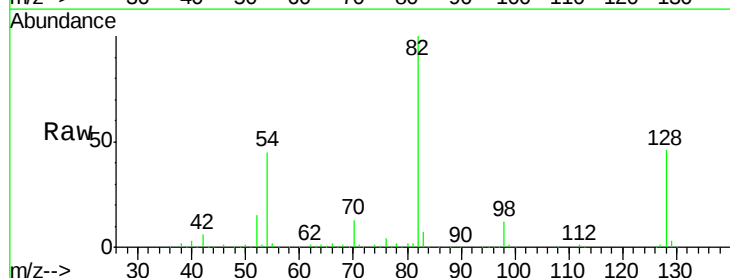
Tgt Ion: 82 Resp: 1028766

Ion Ratio Lower Upper

82 100

128 45.7 38.6 57.8

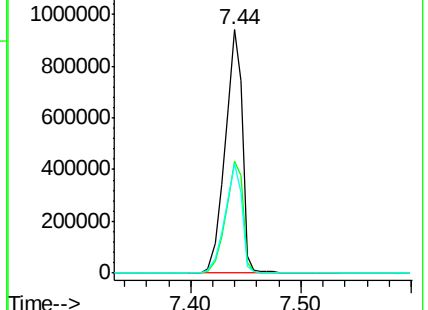
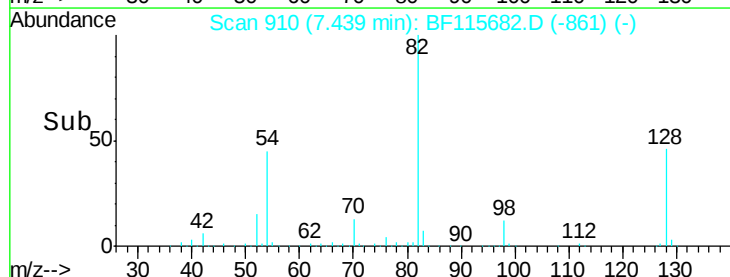
54 45.0 35.6 53.4



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

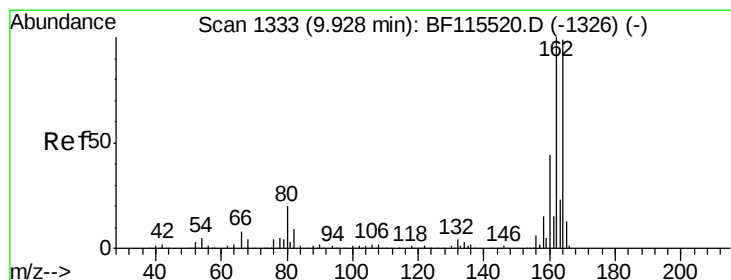
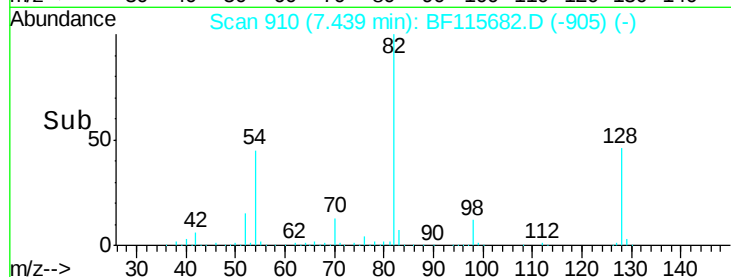
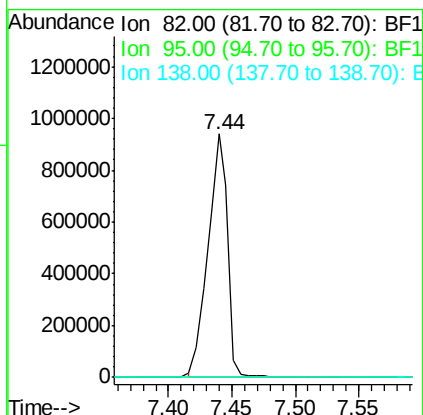
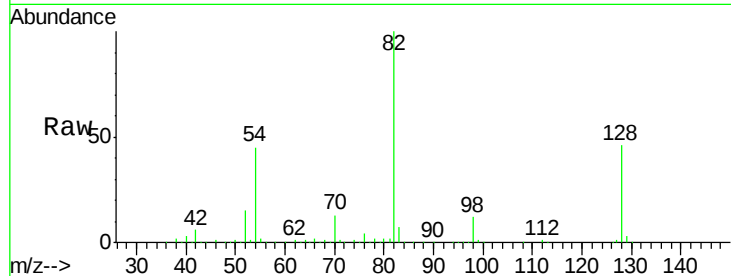




#25
Isophorone
Concen: 32.747 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.27 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

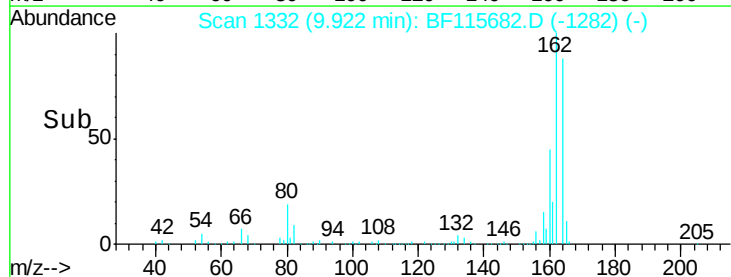
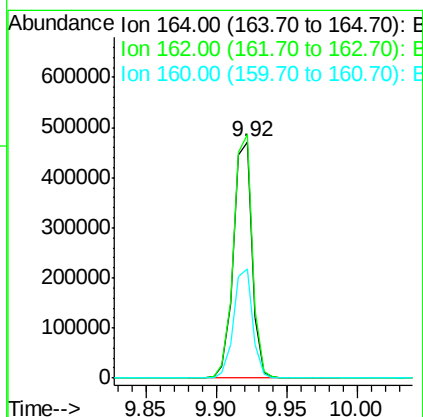
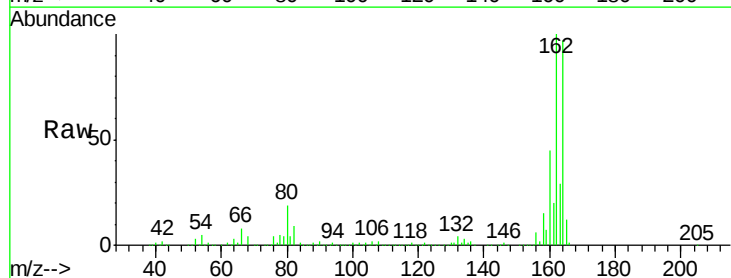
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1011691
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Tgt Ion:164 Resp: 435778
Ion Ratio Lower Upper
164 100
162 103.1 82.9 124.3
160 46.5 36.8 55.2

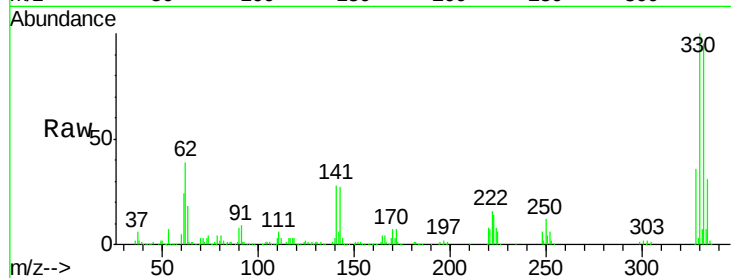




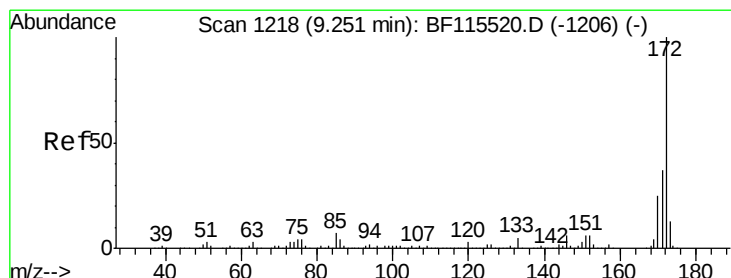
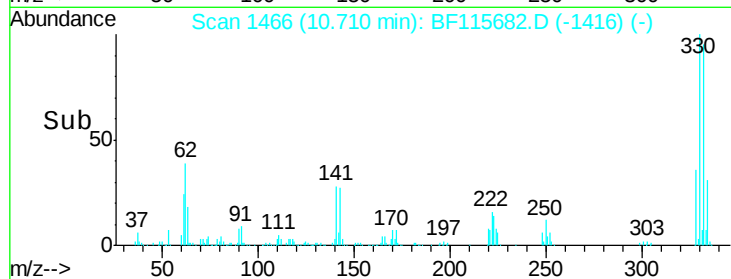
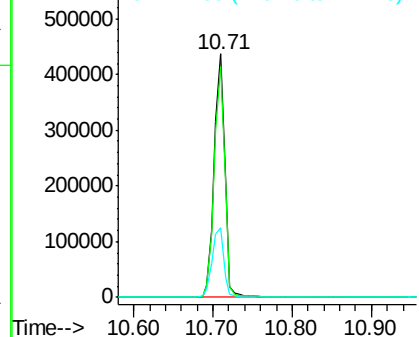
#42
 2,4,6-Tribromophenol
 Concen: 80.366 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF115682.D
 Acq: 19 Jul 2019 20:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.4	116.2
141	31.1	22.4	33.6

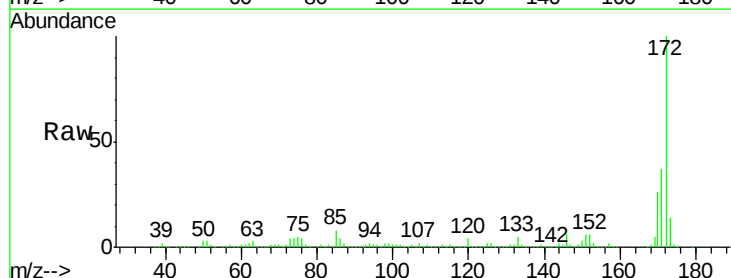


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

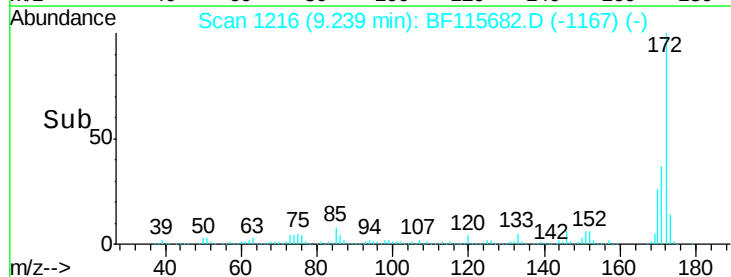
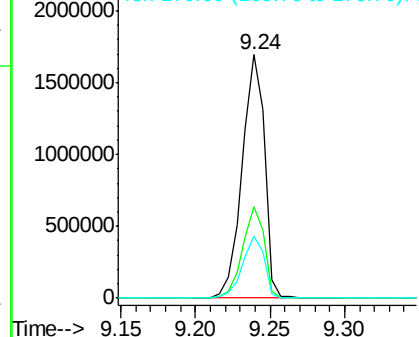


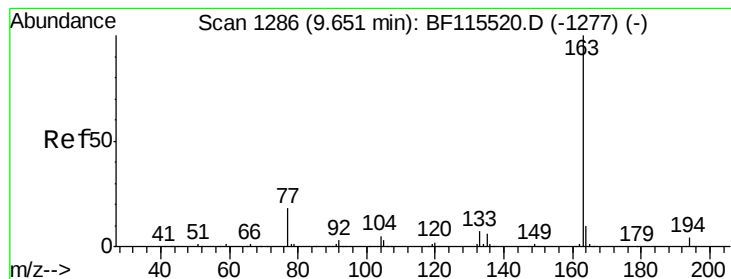
#45
 2-Fluorobiphenyl
 Concen: 71.549 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF115682.D
 Acq: 19 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.6	46.0
170	25.6	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: 11.250 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Instrument :

BNA_F

ClientSampleId :

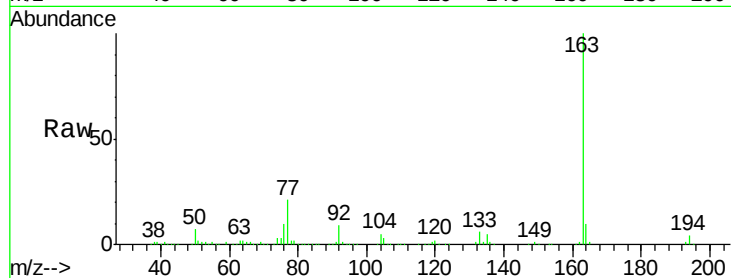
Tot Ion:163 Resp: 368854

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

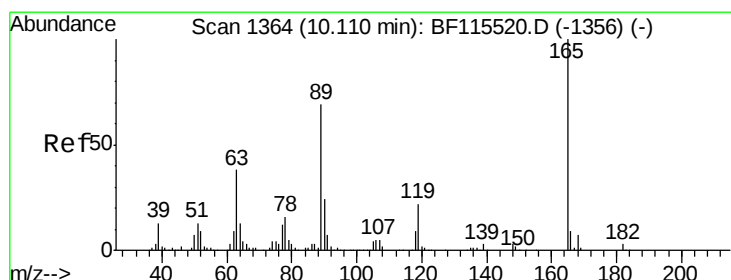
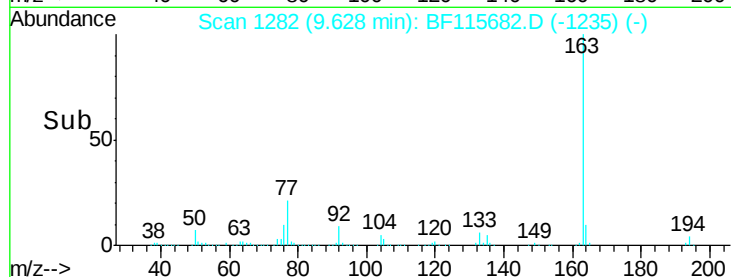
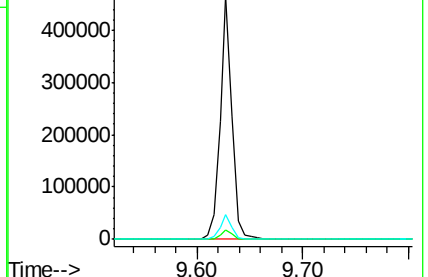
164 10.2 8.7 13.1



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: 5.939 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.19 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Tgt Ion:165 Resp: 57332

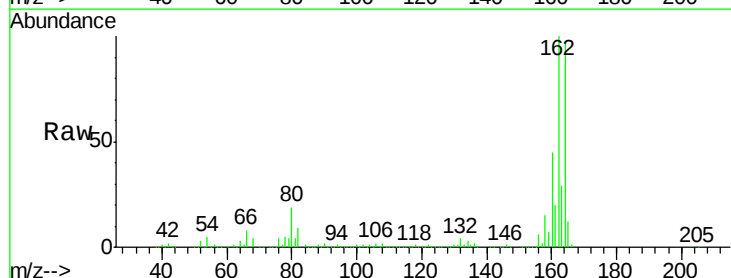
Ion Ratio Lower Upper

165 100

63 1.2 34.9 52.3#

89 1.7 57.5 86.3#

182 0.0 2.2 3.4#

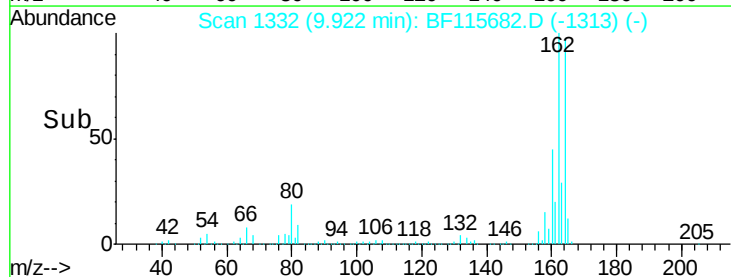
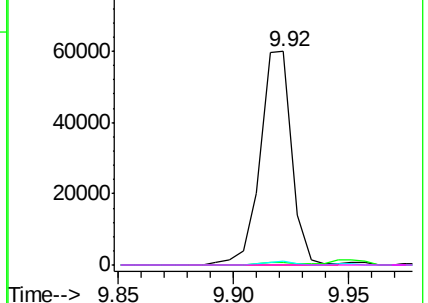


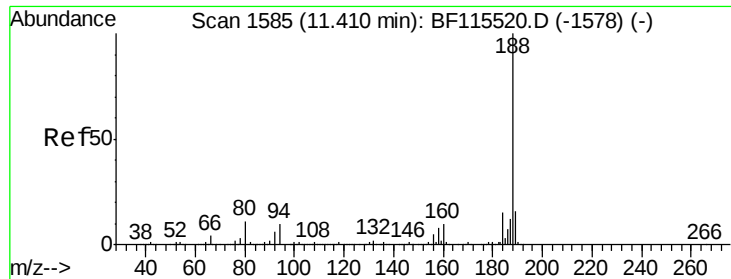
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF115682.D

Acq: 19 Jul 2019 20:01

Instrument :

BNA_F

ClientSampleId :

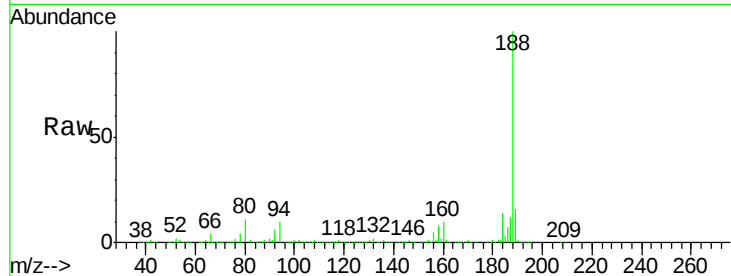
Tot Ion:188 Resp: 727433

Ion Ratio Lower Upper

188 100

94 10.4 7.8 11.6

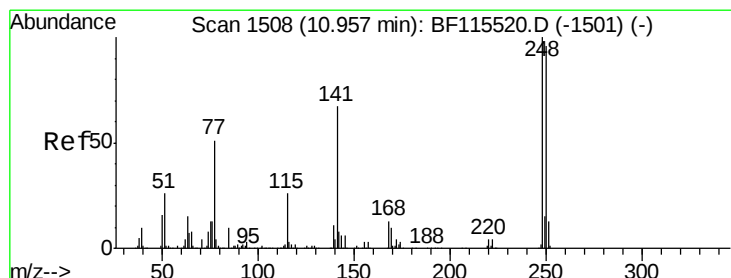
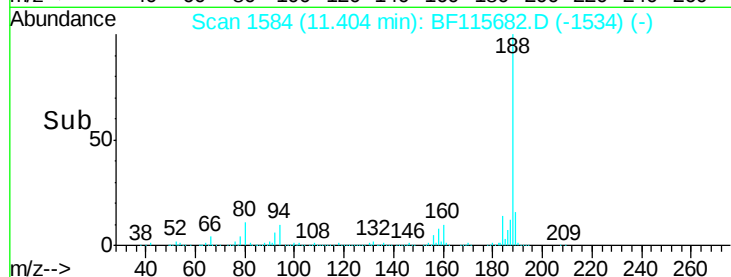
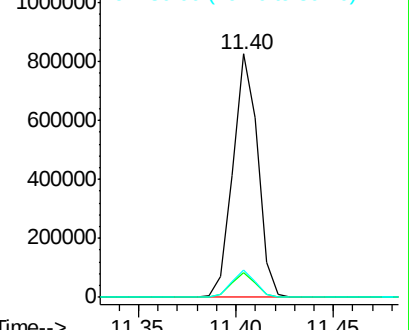
80 11.3 8.6 13.0



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



#67

4-Bromophenyl-phenylether

Concen: 2.907 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.25 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

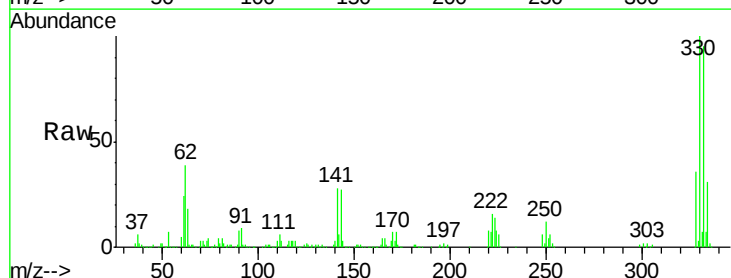
Tgt Ion:248 Resp: 24164

Ion Ratio Lower Upper

248 100

250 210.0 78.0 117.0#

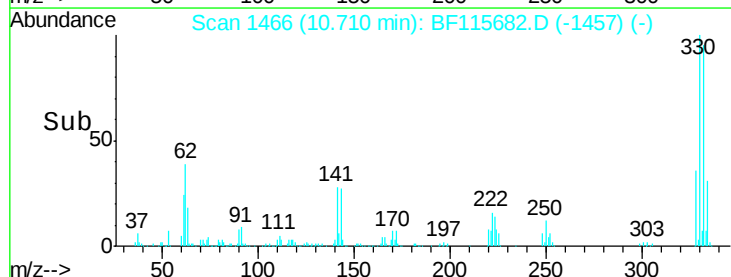
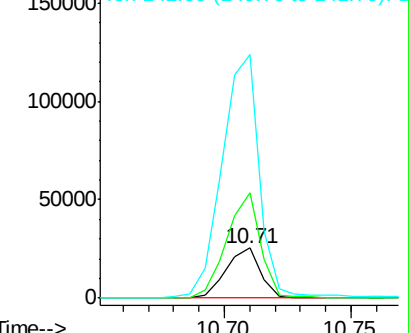
141 487.9 57.7 86.5#

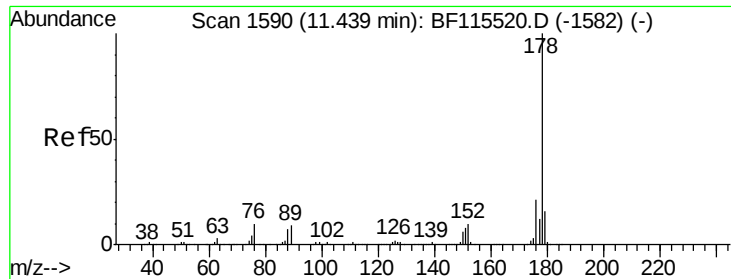


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

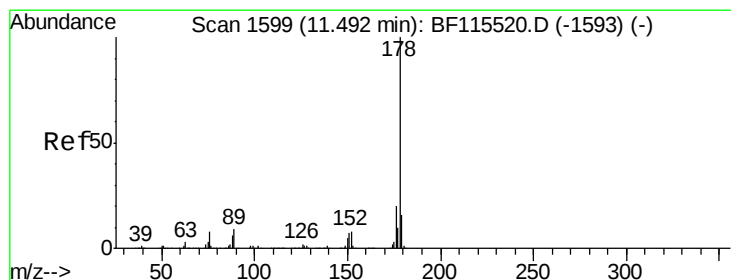
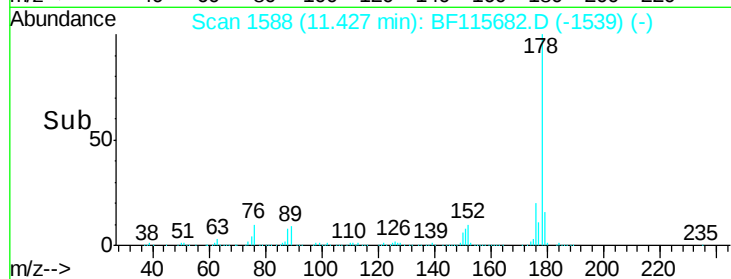
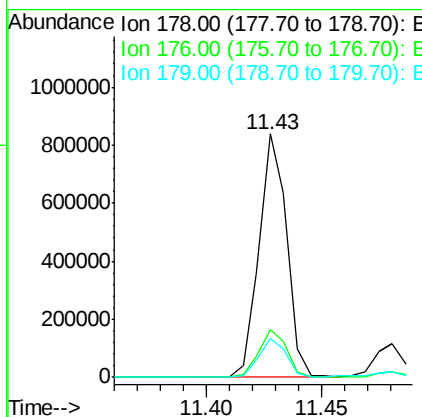
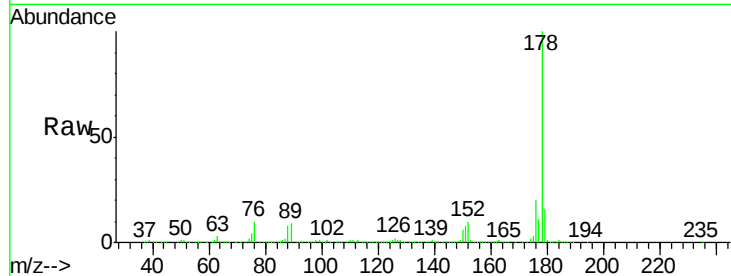




#71
 Phenanthrene
 Concen: 18.866 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF115682.D
 Acq: 19 Jul 2019 20:01

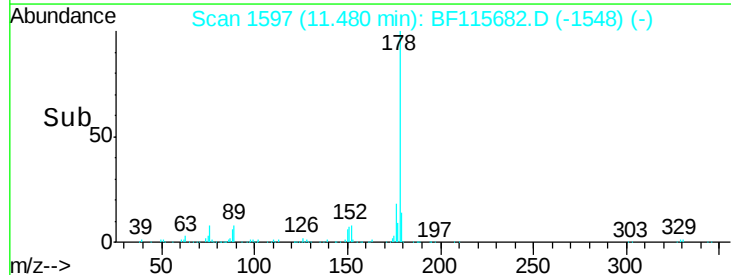
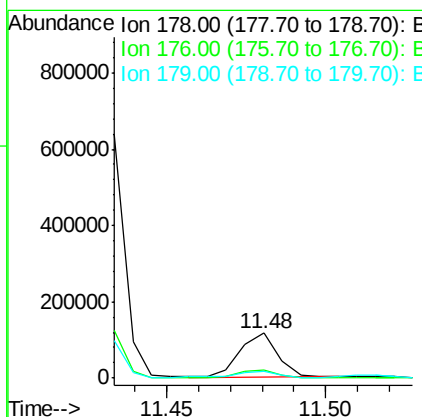
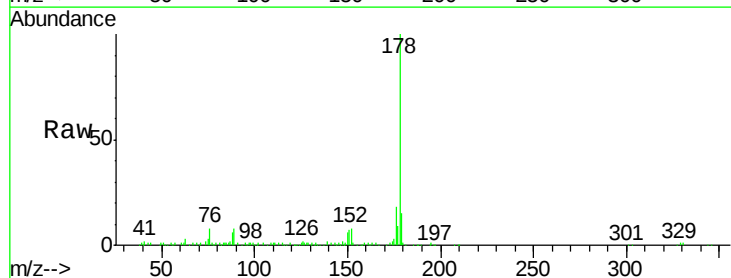
Instrument :
 BNA_F
 ClientSampled :

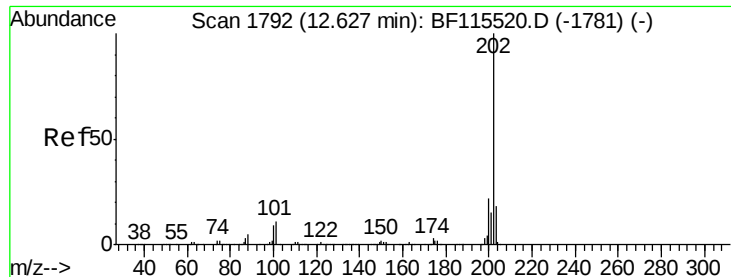
Tot Ion:178 Resp: 703470
 Ion Ratio Lower Upper
 178 100
 176 19.7 17.2 25.8
 179 15.9 13.5 20.3



#72
 Anthracene
 Concen: 2.456 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF115682.D
 Acq: 19 Jul 2019 20:01

Tgt Ion:178 Resp: 94629
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.9 23.9
 179 14.5 12.7 19.1





#75

Fluoranthene

Concen: 32.382 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Instrument :

BNA_F

ClientSampleId :

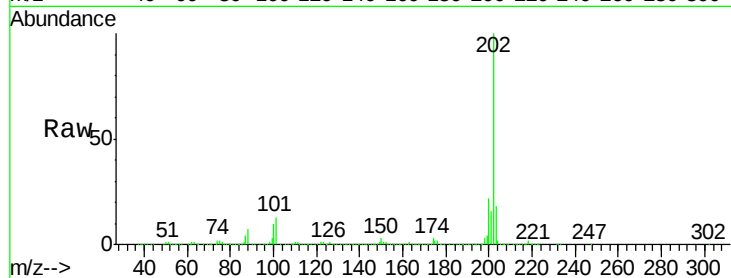
Tot Ion:202 Resp: 1275933

Ion Ratio Lower Upper

202 100

101 13.4 0.0 31.4

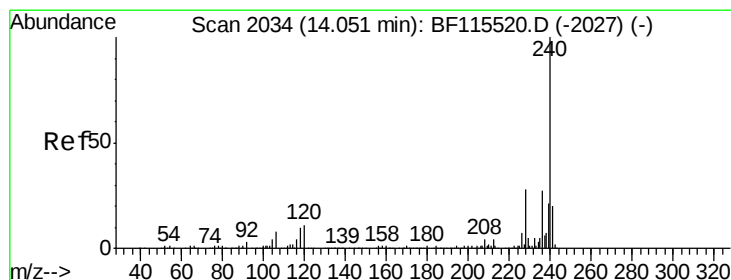
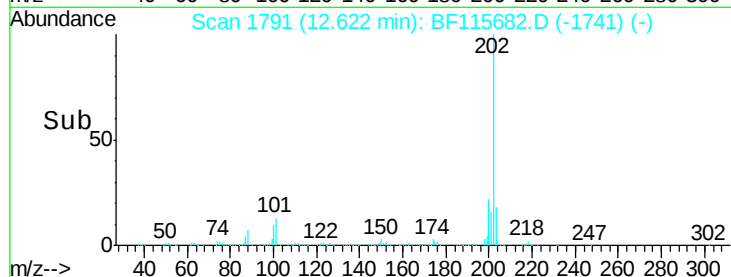
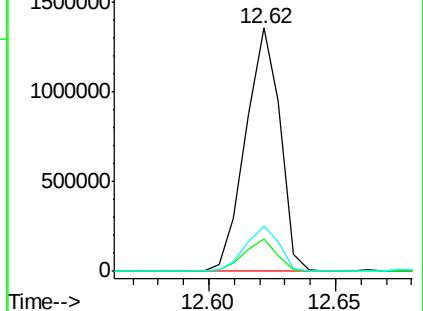
203 18.5 0.0 38.1



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: BF115682.D

Acq: 19 Jul 2019 20:01

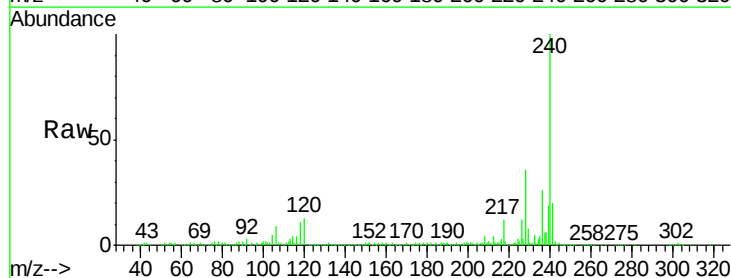
Tgt Ion:240 Resp: 392977

Ion Ratio Lower Upper

240 100

120 12.9 8.6 13.0

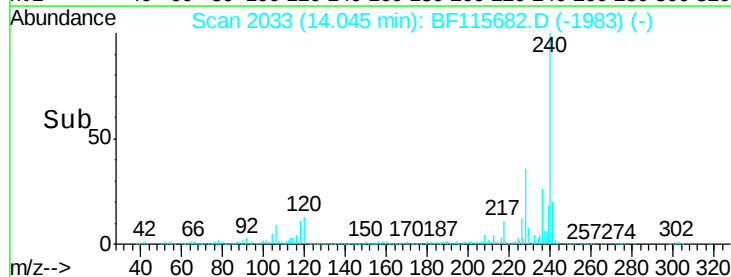
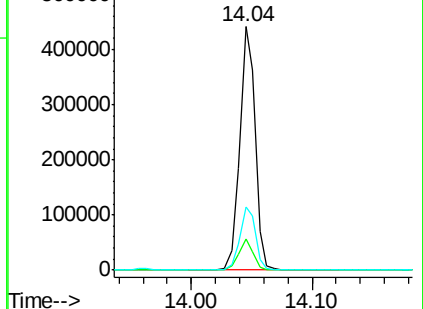
236 26.0 21.3 31.9

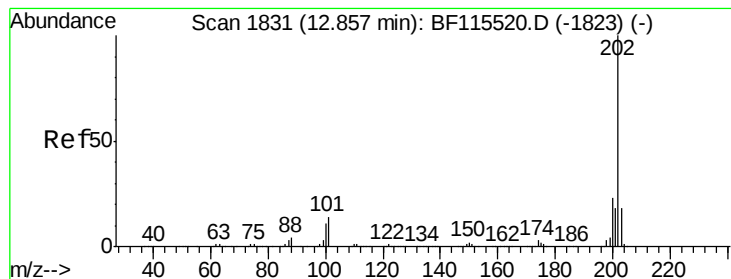


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 36.157 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Instrument :

BNA_F

ClientSampleId :

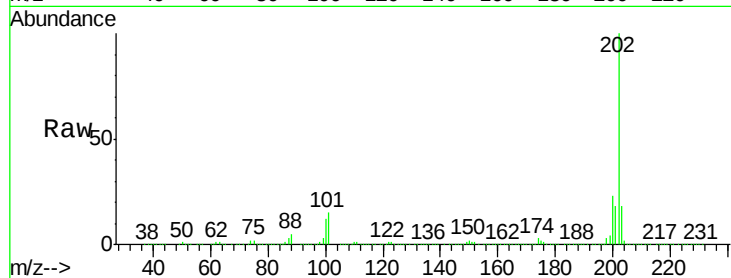
Tot Ion:202 Resp: 1203841

Ion Ratio Lower Upper

202 100

200 22.6 18.7 28.1

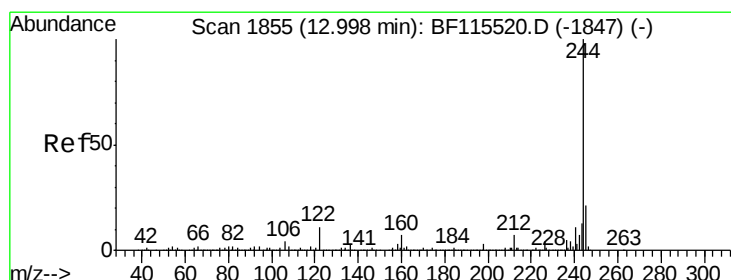
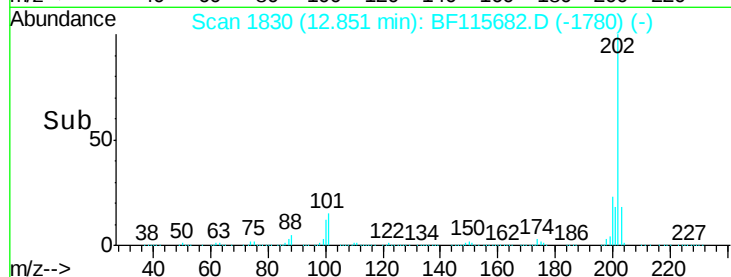
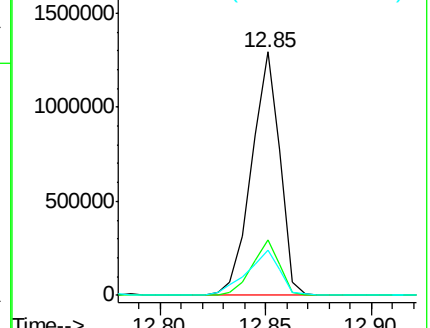
203 18.3 15.2 22.8



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: 70.958 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

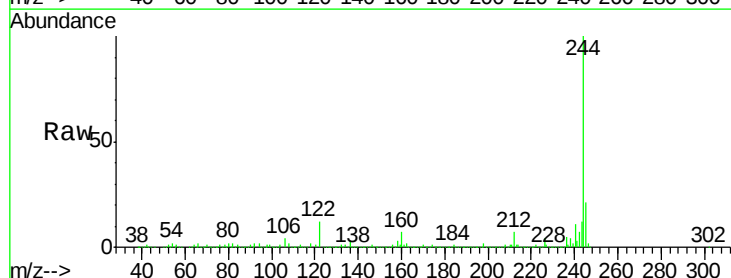
Tgt Ion:244 Resp: 1511240

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

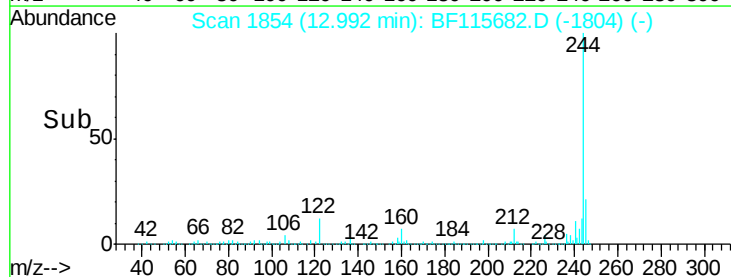
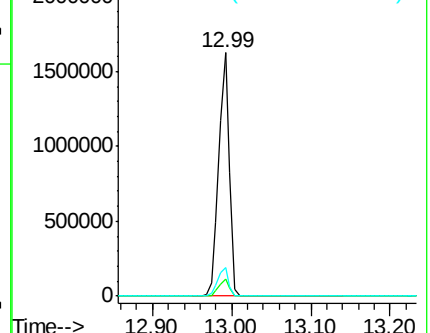
122 11.6 8.6 12.8

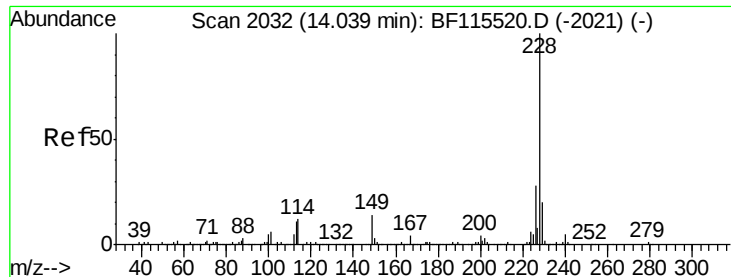


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

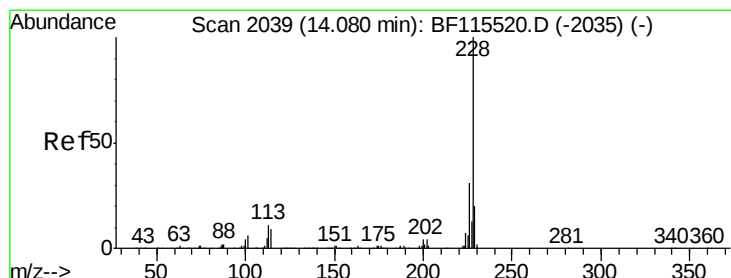
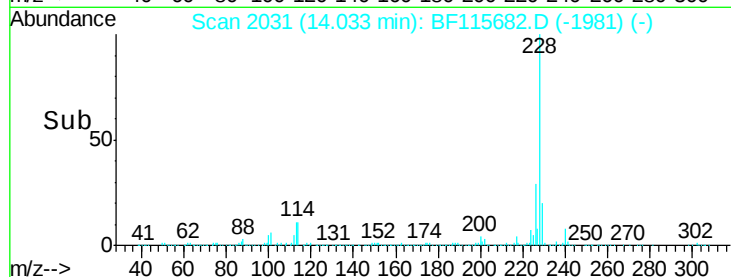
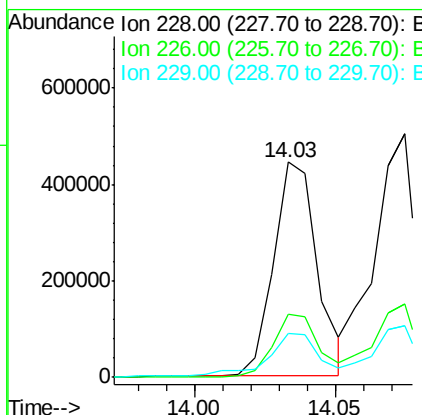
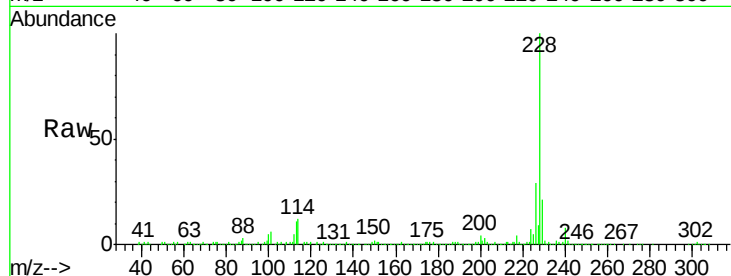




#81
Benzo(a)anthracene
Concen: 18.480 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

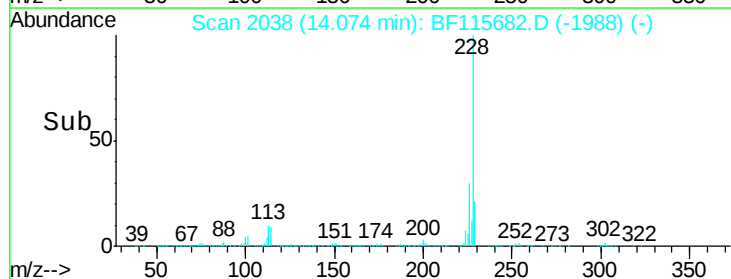
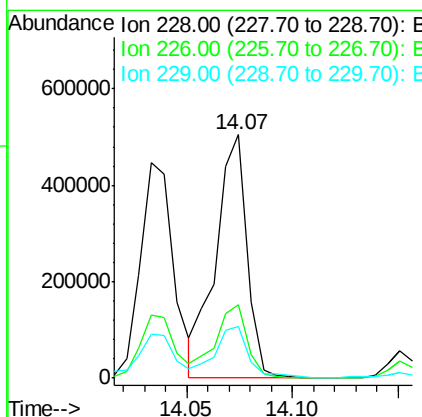
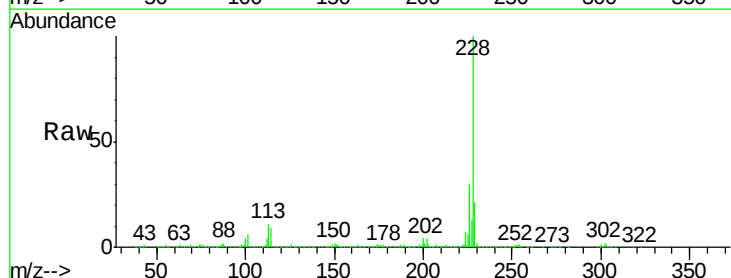
Instrument :
BNA_F
ClientSampleId :

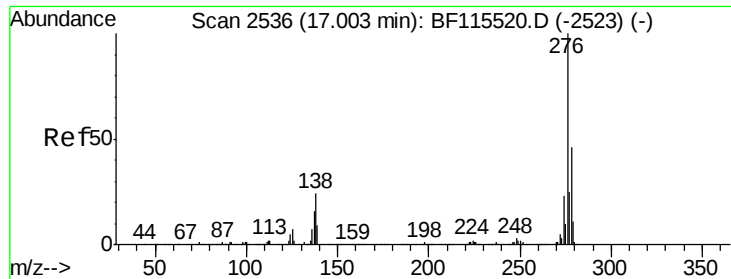
Tot Ion:228 Resp: 478442
Ion Ratio Lower Upper
228 100
226 29.4 23.4 35.0
229 20.6 17.2 25.8



#83
Chrysene
Concen: 19.705 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Tgt Ion:228 Resp: 512129
Ion Ratio Lower Upper
228 100
226 30.1 25.7 38.5
229 21.4 16.6 25.0

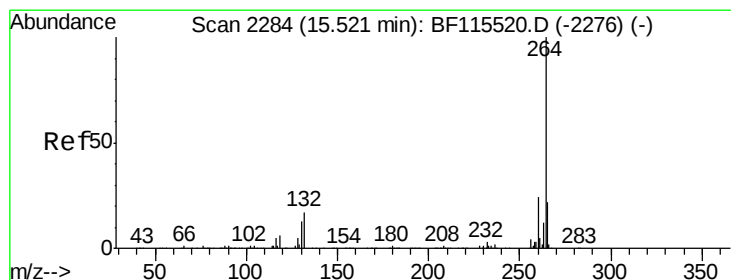
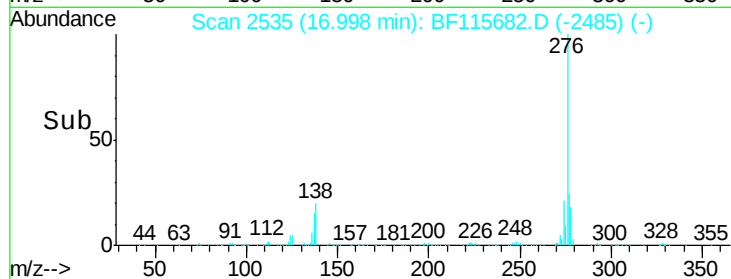
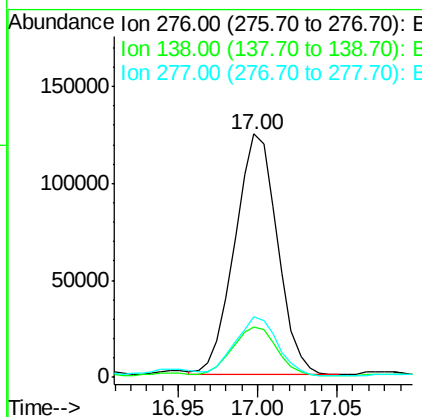
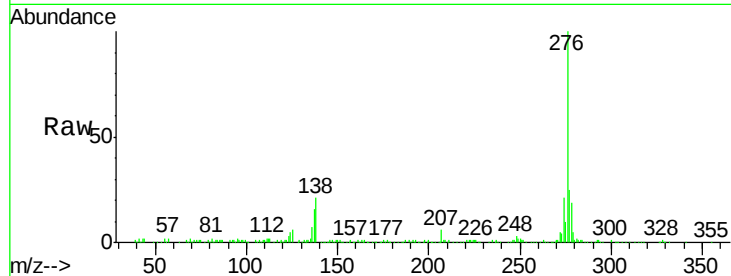




#86
Indeno(1,2,3-cd)pyrene
Concen: 10.506 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

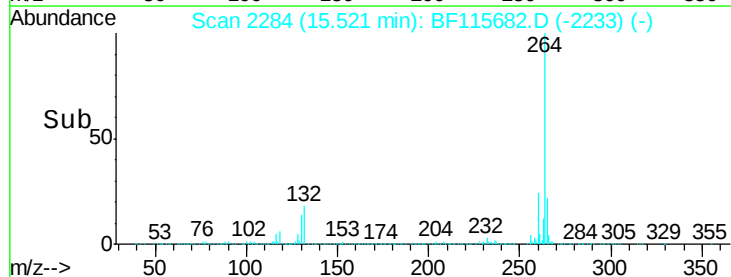
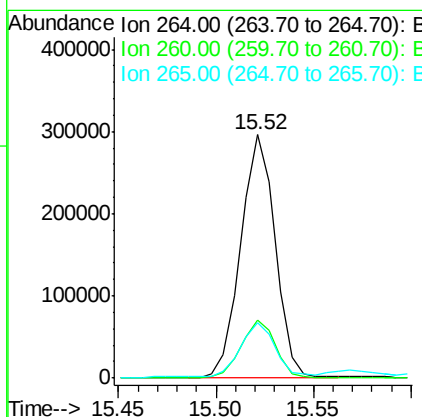
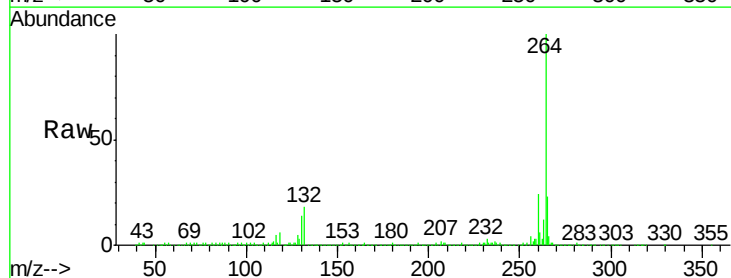
Instrument :
BNA_F
ClientSampleId :

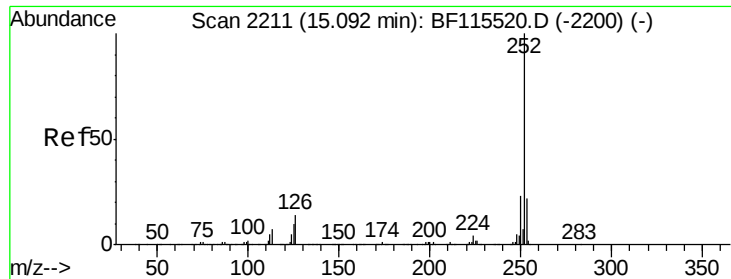
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.2	30.2
277	24.9	20.4	30.6



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.8	29.8
265	22.6	17.7	26.5





#88

Benzo(b)fluoranthene

Concen: 32.058 ng

RT: 15.09 min Scan# 2211

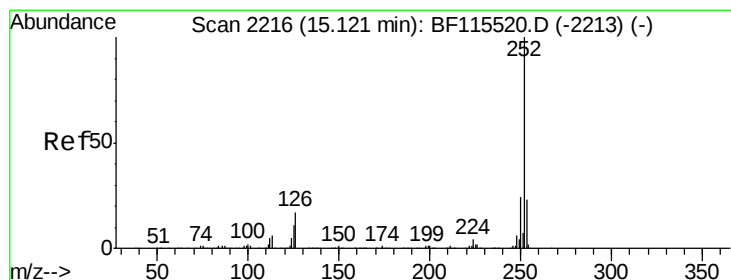
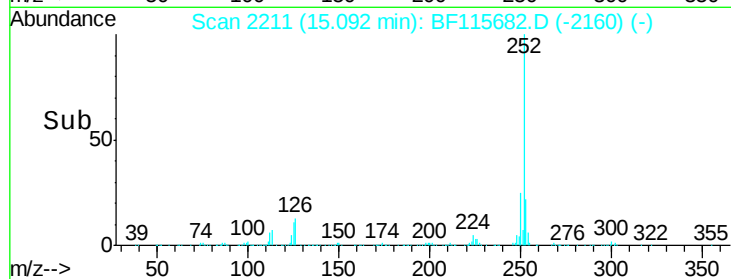
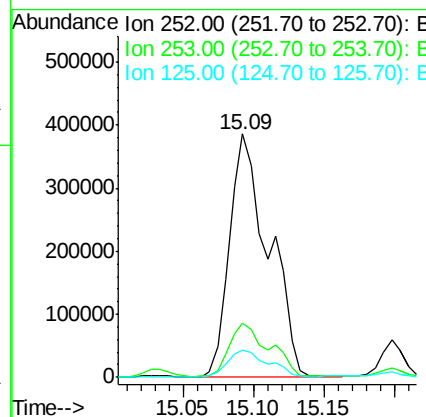
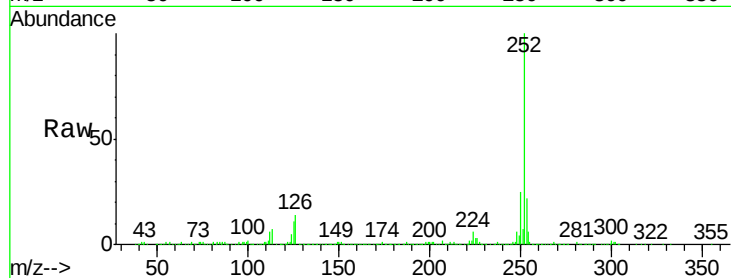
Delta R.T. 0.00 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	11.1	9.0	13.4



#89

Benzo(k)fluoranthene

Concen: 35.958 ng

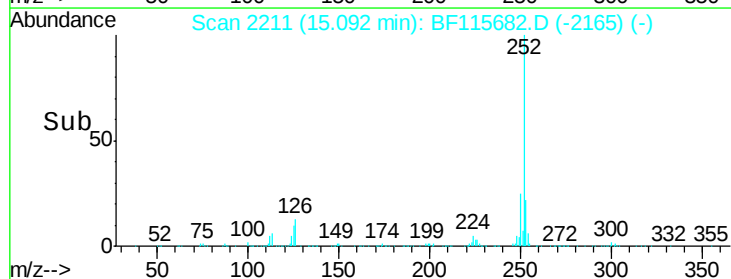
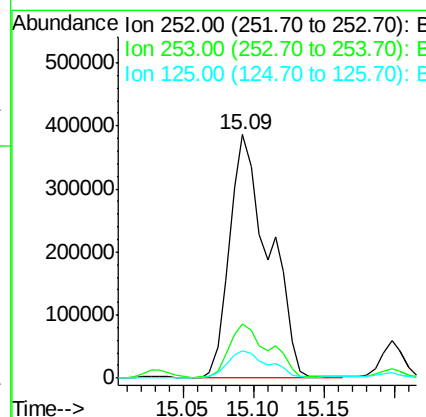
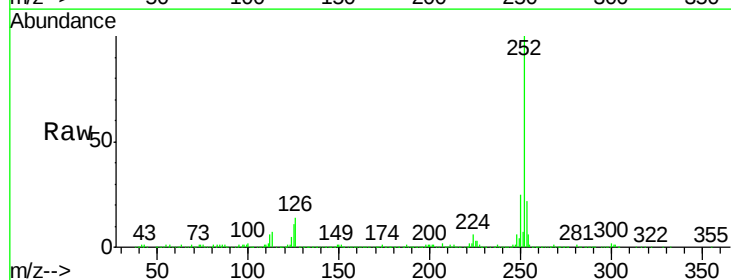
RT: 15.09 min Scan# 2211

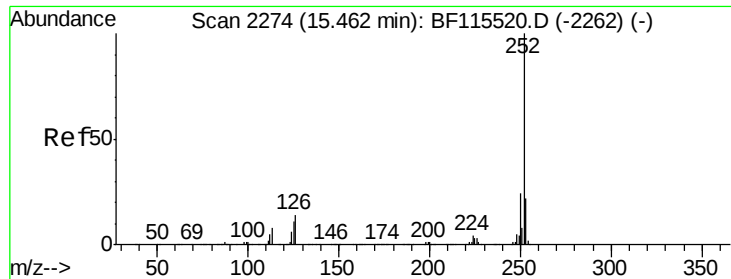
Delta R.T. -0.03 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.6	28.0
125	11.1	9.0	13.6

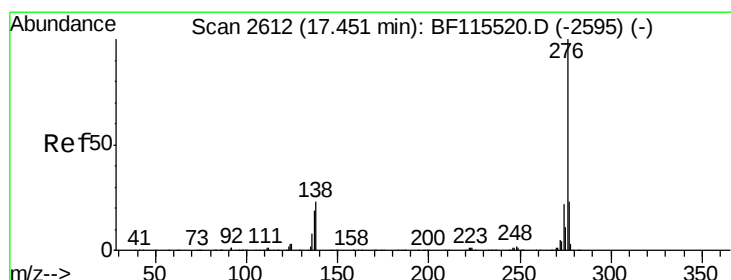
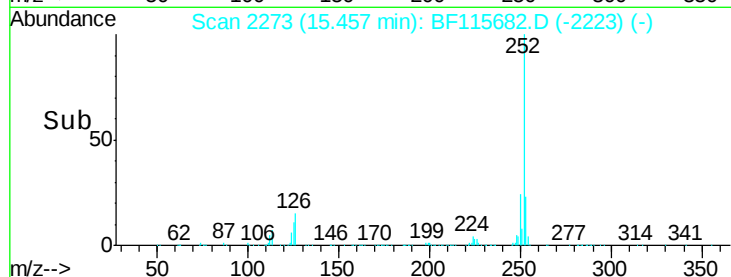
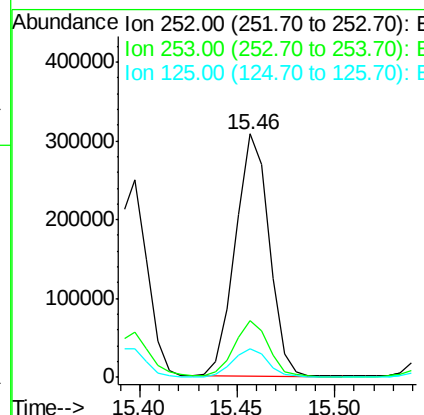
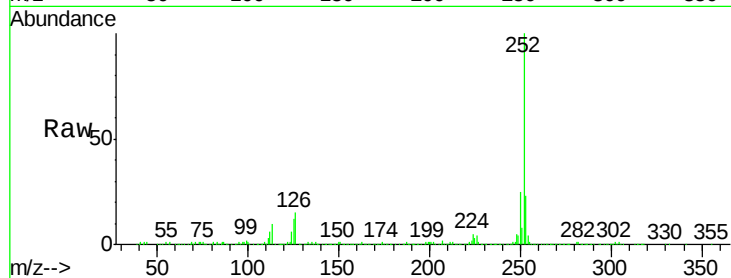




#90
Benzo(a)pyrene
Concen: 18.535 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.8	9.1	13.7



#92
Benzo(g,h,i)perylene
Concen: 13.405 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.00 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.0	28.4
138	20.7	17.2	25.8

