

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
 Data File : BF115173.D
 Acq On : 25 Jun 2019 3:01
 Operator : HP/JU
 Sample : K3482-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jun 25 07:46:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 04:21:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	268928	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1055361	20.00	ng	-0.01
39) Acenaphthene-d10	9.64	164	526367	20.00	ng	-0.01
64) Phenanthrene-d10	11.11	188	1032577	20.00	ng	-0.01
76) Chrysene-d12	13.72	240	636475	20.00	ng	-0.02
87) Perylene-d12	15.09	264	674610	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	586631	33.66	ng	0.00
7) Phenol-d6	6.24	99	759436	35.90	ng	-0.01
23) Nitrobenzene-d5	7.17	82	436996	25.47	ng	-0.02
42) 2,4,6-Tribromophenol	10.41	330	186167	33.54	ng	-0.02
45) 2-Fluorobiphenyl	8.97	172	836639	27.00	ng	-0.02
79) Terphenyl-d14	12.69	244	890723	29.75	ng	-0.02

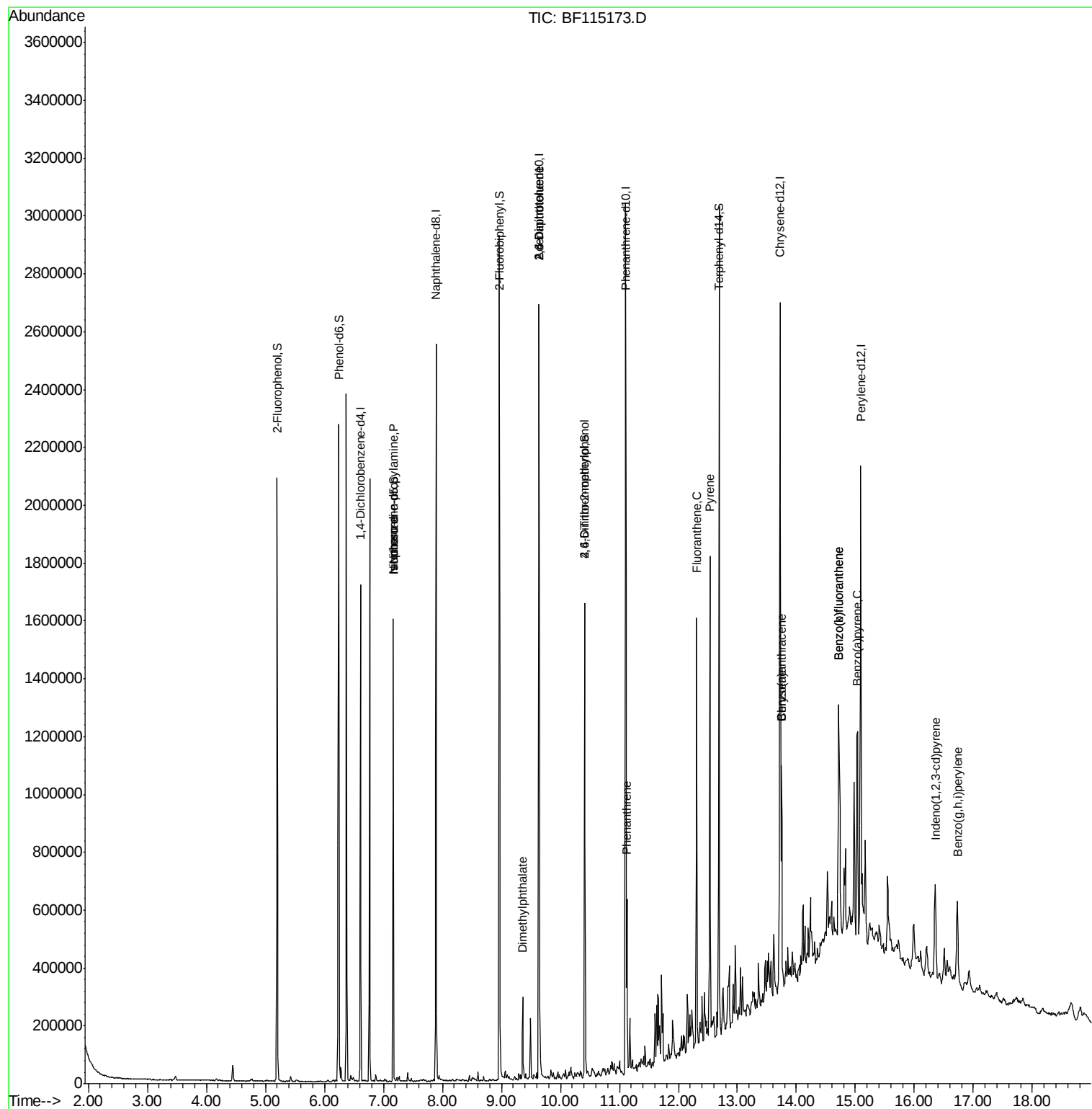
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.17	70	57656	4.258	ng	# 76
25) Isophorone	7.17	82	431766	12.285	ng	# 63
50) Dimethylphthalate	9.36	163	107382	2.773	ng	99
51) 2,6-Dinitrotoluene	9.64	165	69317	7.753	ng	# 29
57) 2,4-Dinitrotoluene	9.64	165	69635	6.032	ng	# 30
58) Fluorene	10.18	166	10160	Below Cal		98
65) 4,6-Dinitro-2-methylphenol	10.41	198	343	5.016	ng	# 1
71) Phenanthrene	11.13	178	197023	3.544	ng	96
75) Fluoranthene	12.31	202	565757	10.199	ng	97
78) Pyrene	12.54	202	659915	13.491	ng	98
81) Benzo(a)anthracene	13.75	228	295388	6.468	ng	95
83) Chrysene	13.75	228	295388	7.061	ng	96
86) Indeno(1,2,3-cd)pyrene	16.35	276	211216	4.267	ng	95
88) Benzo(b)fluoranthene	14.72	252	571771	13.583	ng	# 98
89) Benzo(k)fluoranthene	14.72	252	571771	15.147	ng	98
90) Benzo(a)pyrene	15.04	252	325789	8.587	ng	99
92) Benzo(a,h,i)perylene	16.73	276	218085	6.084	ng	99

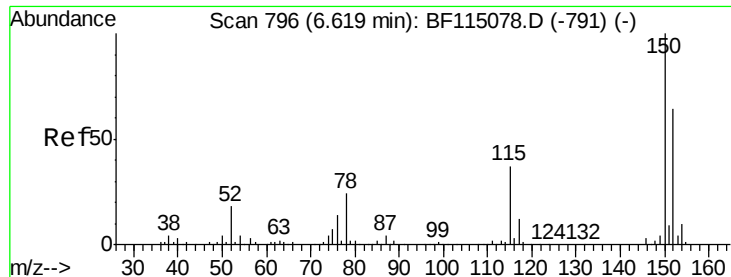
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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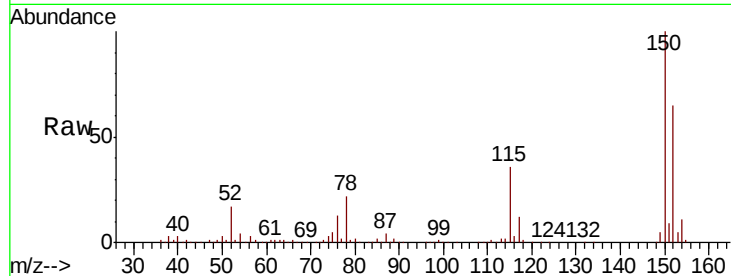


#1

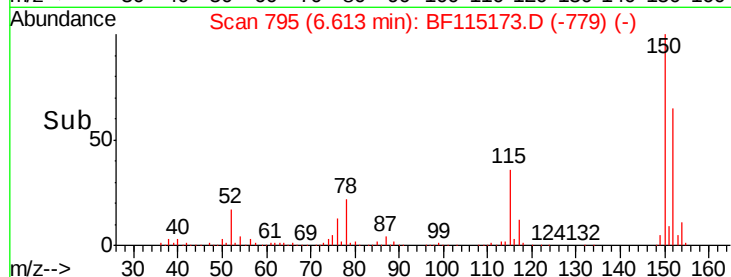
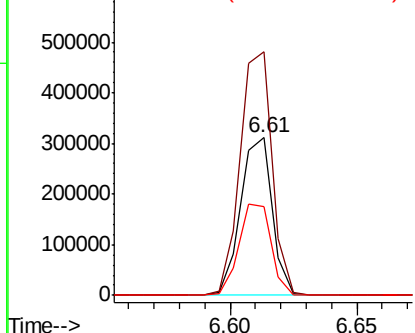
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion:152 Resp: 268928
Ion Ratio Lower Upper
152 100
150 154.5 124.2 186.2
115 56.1 46.1 69.1



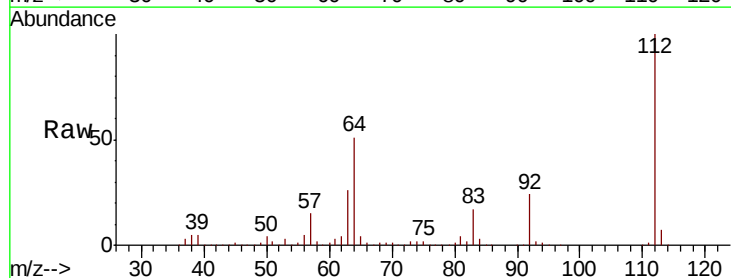
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



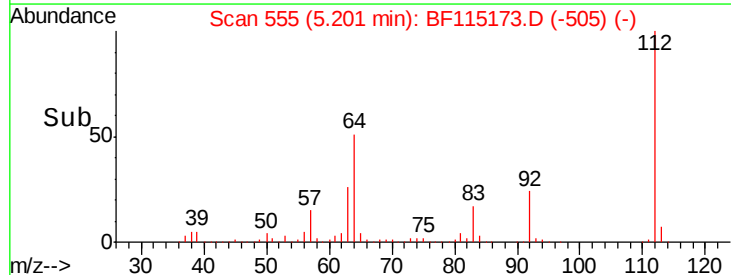
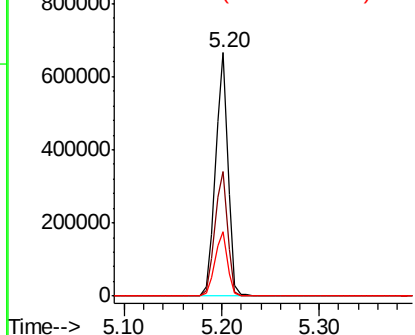
#5

2-Fluorophenol
Concen: 33.662 ng
RT: 5.20 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

Tgt Ion:112 Resp: 586631
Ion Ratio Lower Upper
112 100
64 51.4 43.8 65.6
63 26.3 22.2 33.4



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: 35.904 ng

RT: 6.24 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF115173.D

Acq: 25 Jun 2019 3:01

Instrument :

BNA_F

ClientSampleId :

TP-1

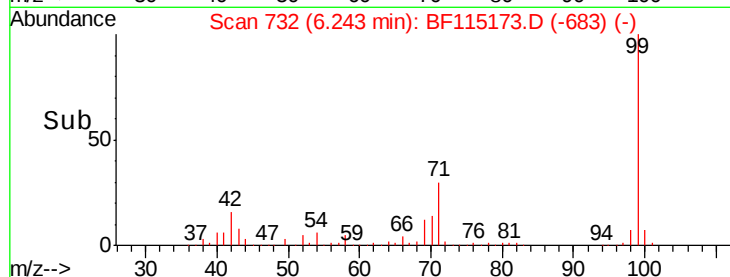
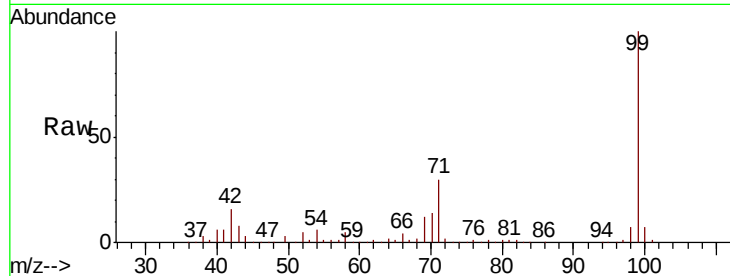
Tot Ion: 99 Resp: 759436

Ion Ratio Lower Upper

99 100

42 15.7 13.6 20.4

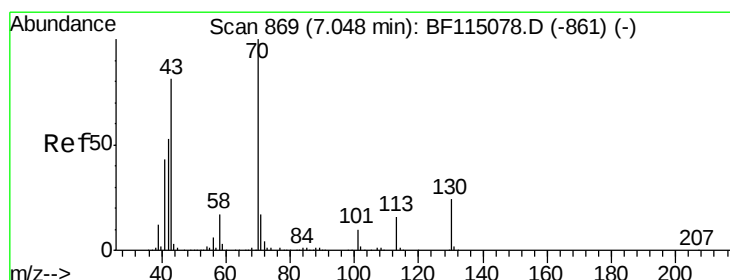
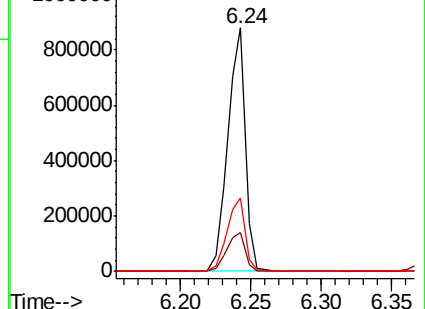
71 30.2 25.5 38.3



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: 4.258 ng

RT: 7.17 min Scan# 889

Delta R.T. 0.12 min

Lab File: BF115173.D

Acq: 25 Jun 2019 3:01

Tgt Ion: 70 Resp: 57656

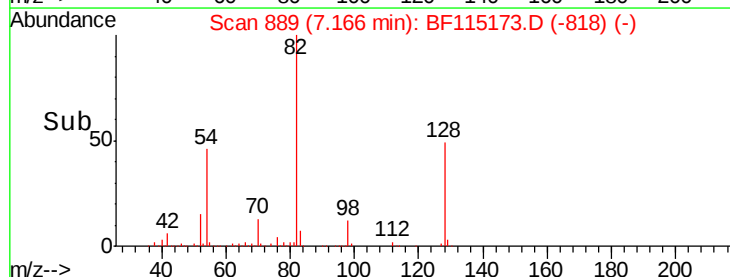
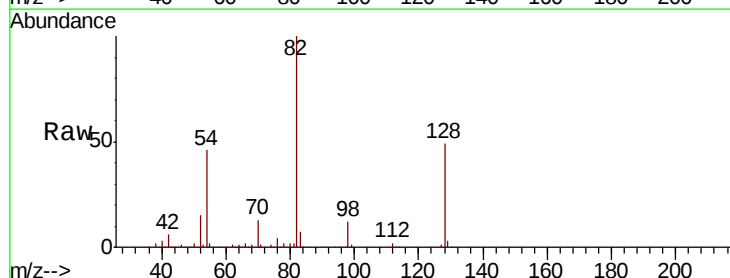
Ion Ratio Lower Upper

70 100

42 43.2 42.6 63.8

101 0.0 8.0 12.0#

130 2.7 19.4 29.0#

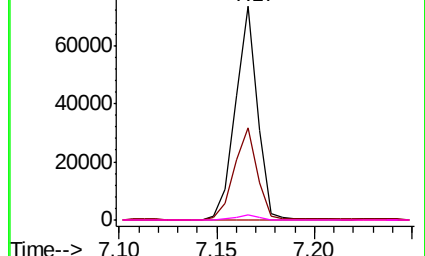


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF115173.D

Acq: 25 Jun 2019 3:01

Instrument :

BNA_F

ClientSampleId :

TP-1

Tot Ion:136 Resp: 1055361

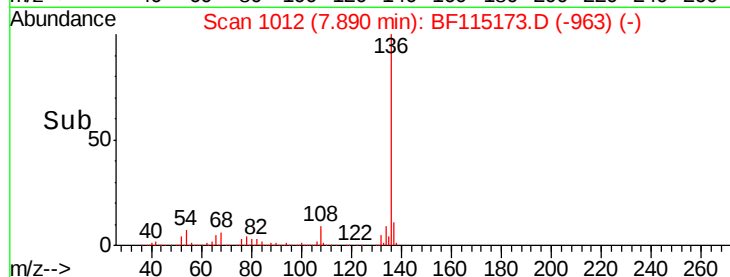
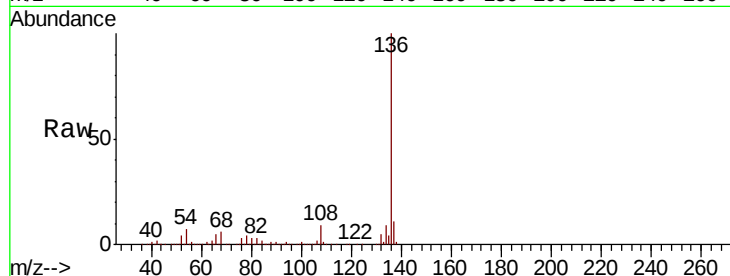
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.5 5.6 8.4

68 6.2 4.8 7.2

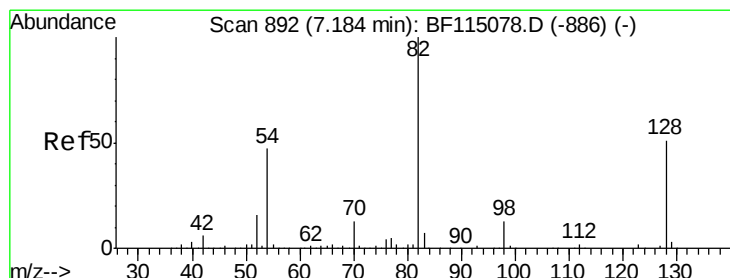
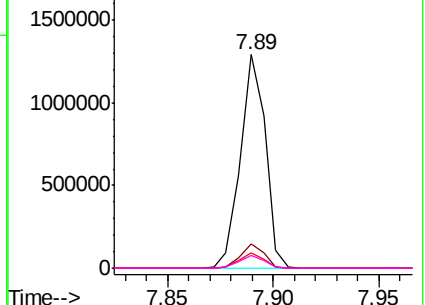


Abundance Ion 136.00 (135.70 to 136.70): E

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: 25.472 ng

RT: 7.17 min Scan# 889

Delta R.T. -0.02 min

Lab File: BF115173.D

Acq: 25 Jun 2019 3:01

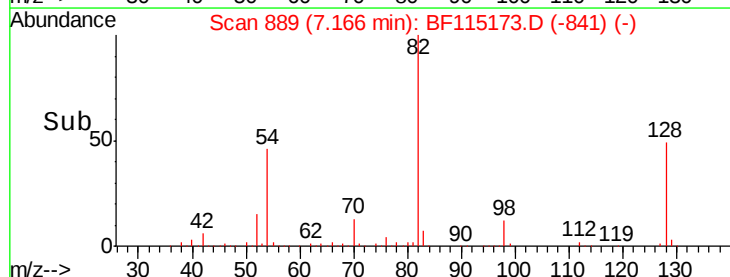
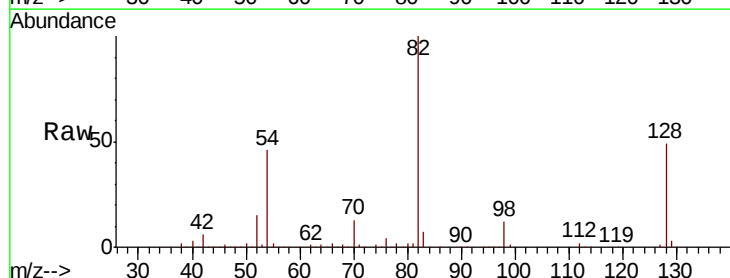
Tgt Ion: 82 Resp: 436996

Ion Ratio Lower Upper

82 100

128 49.1 40.4 60.6

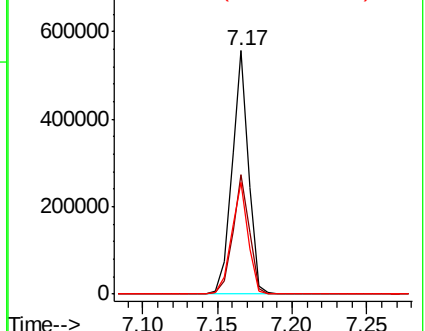
54 45.7 37.5 56.3



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: 12.285 ng

RT: 7.17 min Scan# 889

Delta R.T. -0.28 min

Lab File: BF115173.D

Acq: 25 Jun 2019 3:01

Instrument :

BNA_F

ClientSampleId :

TP-1

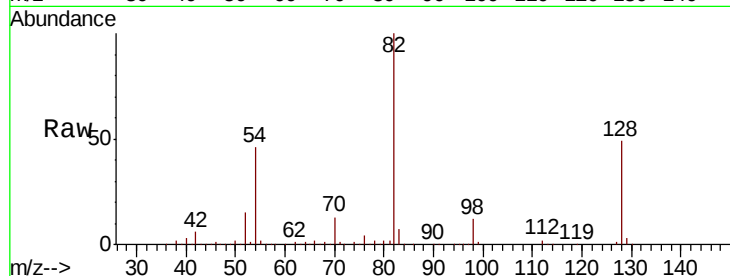
Tot Ion: 82 Resp: 431766

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

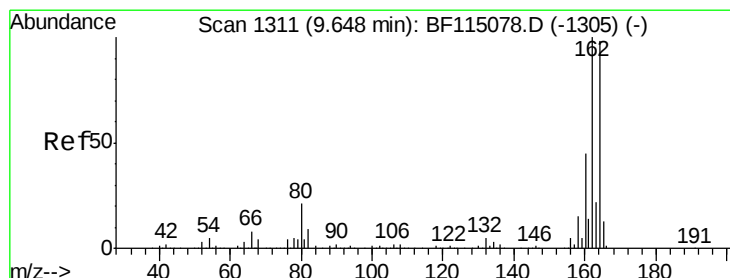
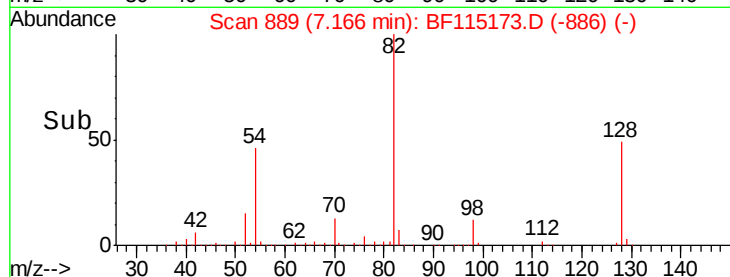
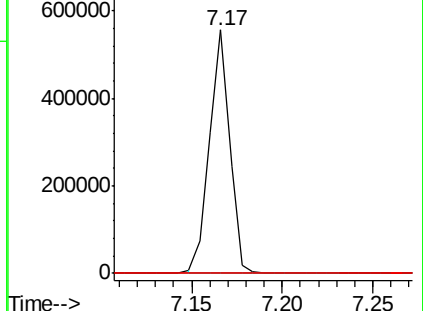
138 0.0 15.9 23.9#



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: 9.64 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115173.D

Acq: 25 Jun 2019 3:01

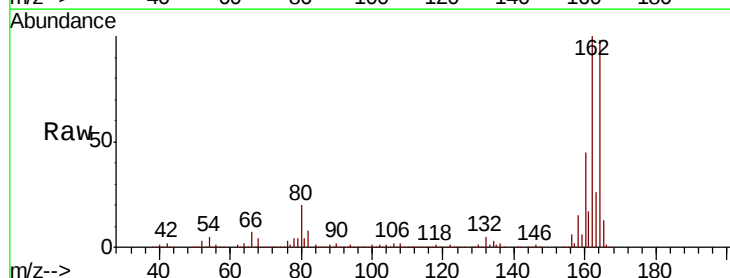
Tgt Ion: 164 Resp: 526367

Ion Ratio Lower Upper

164 100

162 101.7 81.7 122.5

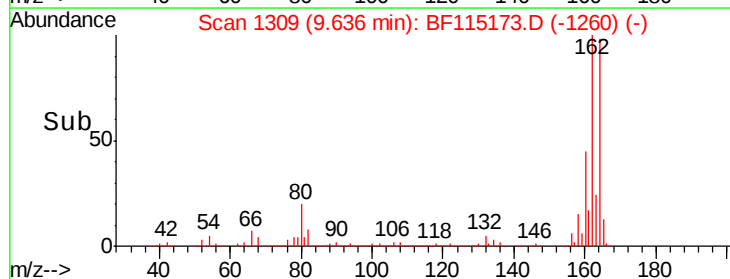
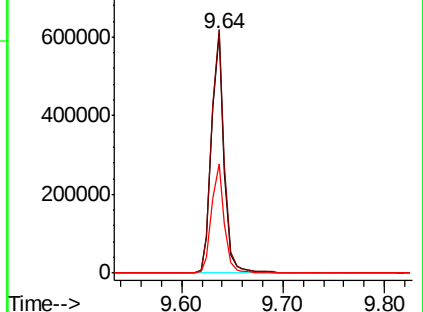
160 45.9 37.0 55.4

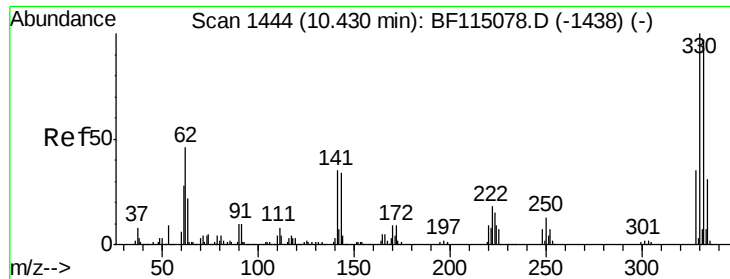


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

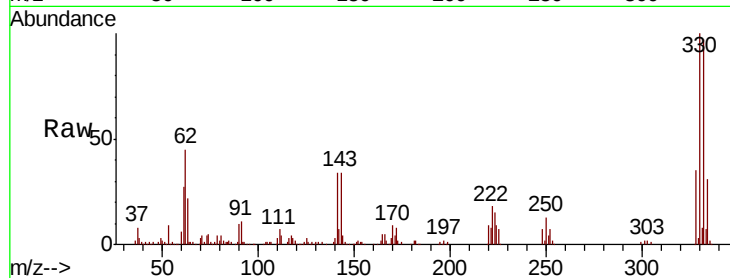




#42
 2,4,6-Tribromophenol
 Concen: 33.539 ng
 RT: 10.41 min Scan# 1441
 Delta R.T. -0.02 min
 Lab File: BF115173.D
 Acq: 25 Jun 2019 3:01

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.3	115.9
141	34.9	28.2	42.2

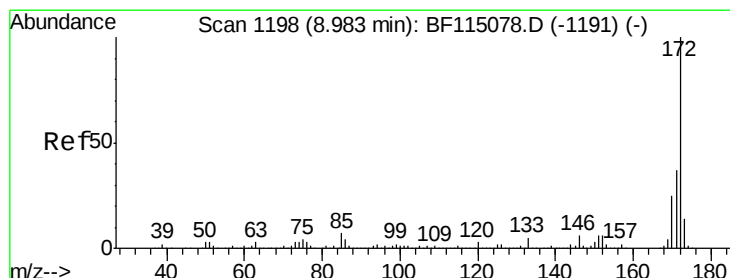
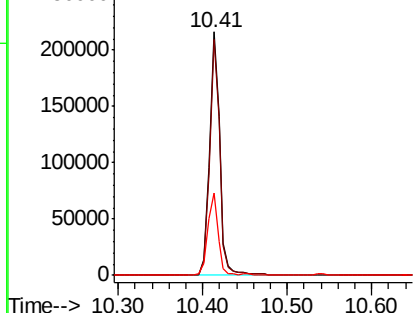
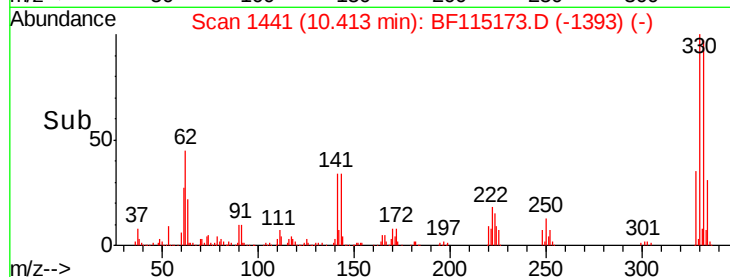


Abundance

Ion 329.80 (329.50 to 330.50): E

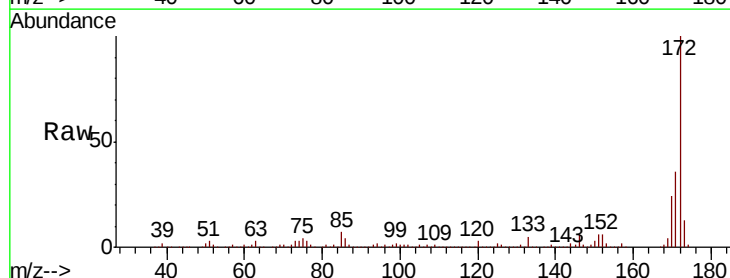
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 26.999 ng
 RT: 8.97 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BF115173.D
 Acq: 25 Jun 2019 3:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.8	44.6
170	24.3	20.3	30.5

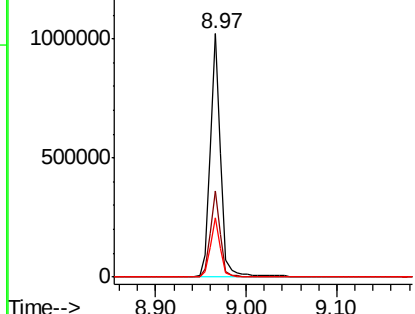
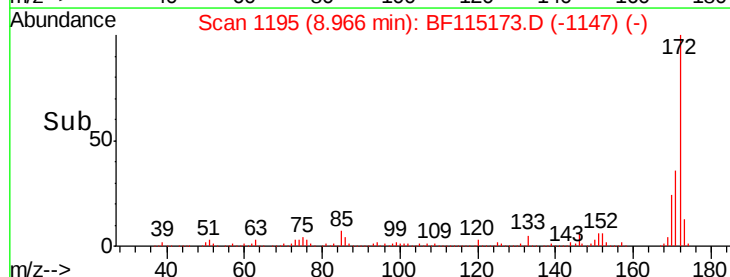


Abundance

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

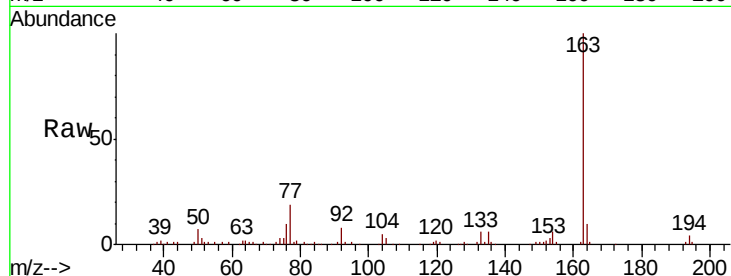




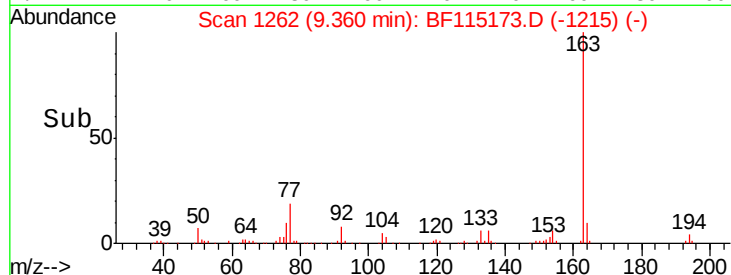
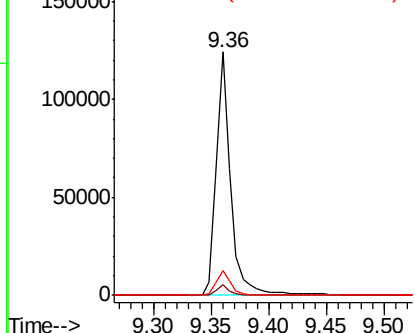
#50
Dimethylphthalate
Concen: 2.773 ng
RT: 9.36 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion:163 Resp: 107382
Ion Ratio Lower Upper
163 100
194 4.1 3.2 4.8
164 10.1 8.6 13.0

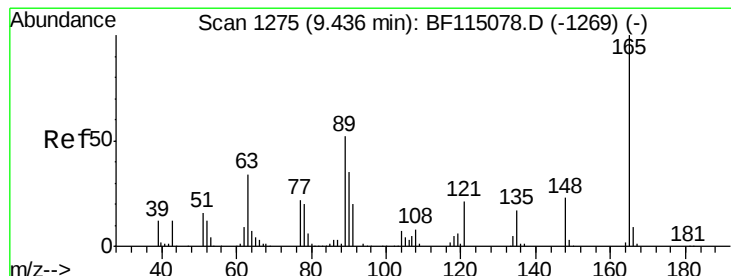


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

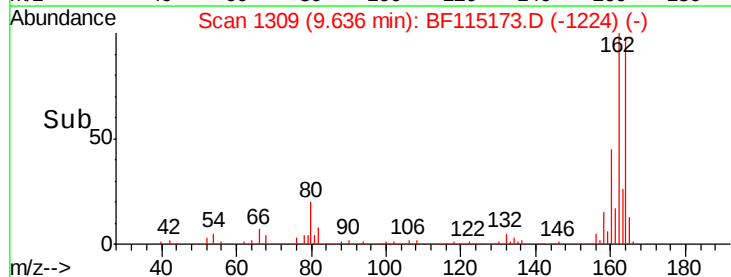
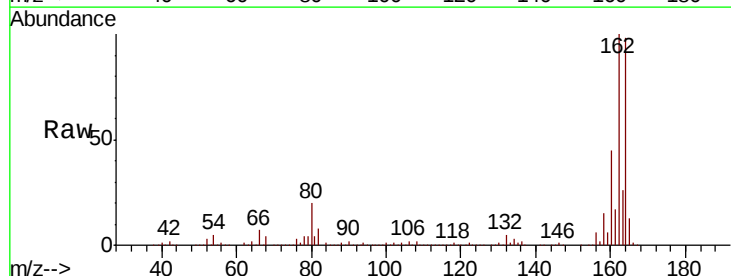
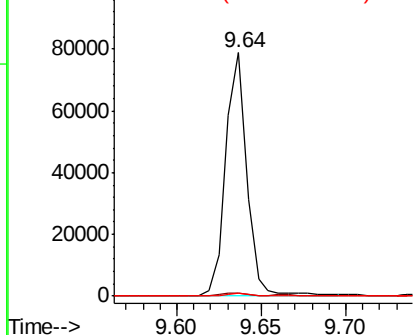


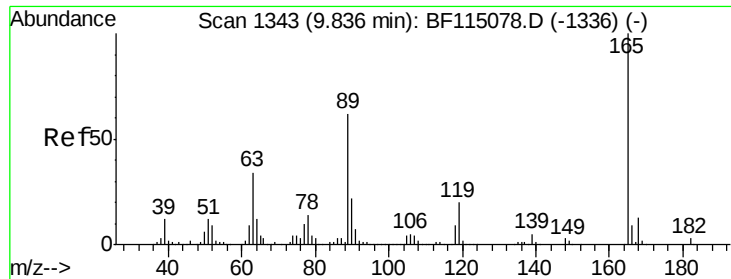
#51
2,6-Dinitrotoluene
Concen: 7.753 ng
RT: 9.64 min Scan# 1309
Delta R.T. 0.20 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

Tgt Ion:165 Resp: 69317
Ion Ratio Lower Upper
165 100
63 1.4 39.4 59.2#
89 1.3 42.0 63.0#



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

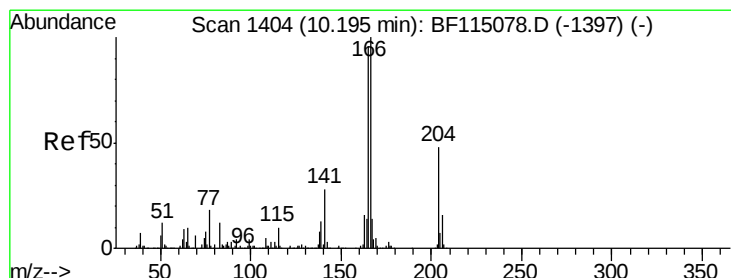
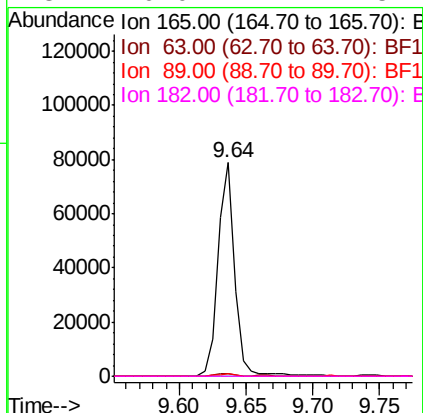
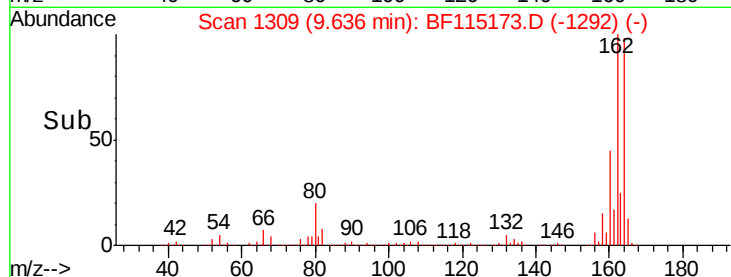
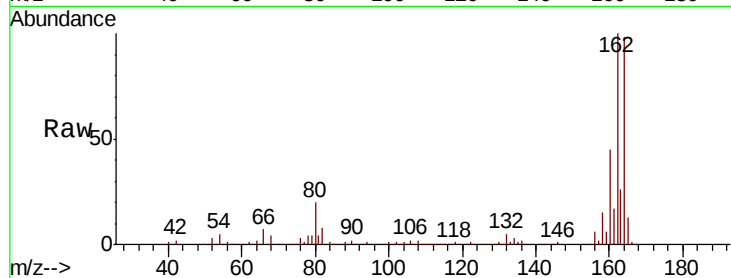




#57
2,4-Dinitrotoluene
Concen: 6.032 ng
RT: 9.64 min Scan# 1309
Delta R.T. -0.20 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

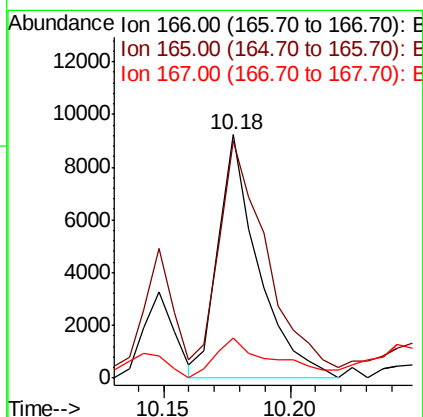
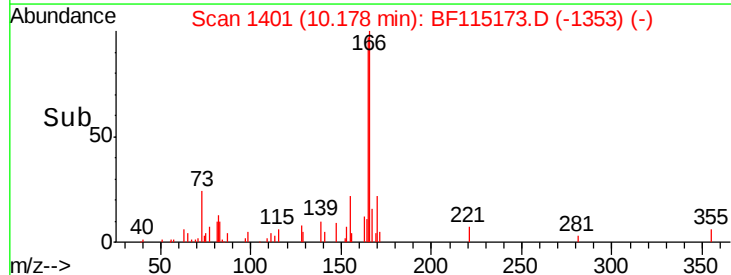
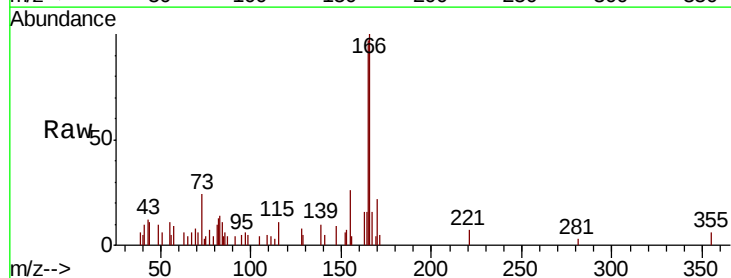
Instrument :
BNA_F
ClientSampleId :
TP-1

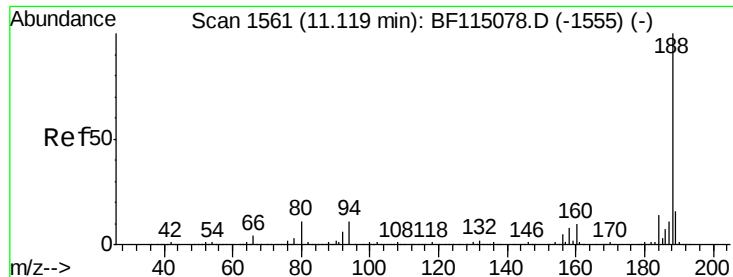
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	27.5	41.3#
89	1.3	49.9	74.9#
182	0.0	2.1	3.1#



#58
Fluorene
Concen: Below Cal
RT: 10.18 min Scan# 1401
Delta R.T. -0.02 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	76.5	114.7
167	16.3	11.0	16.4

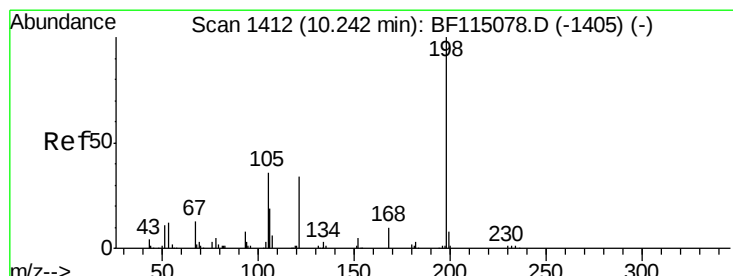
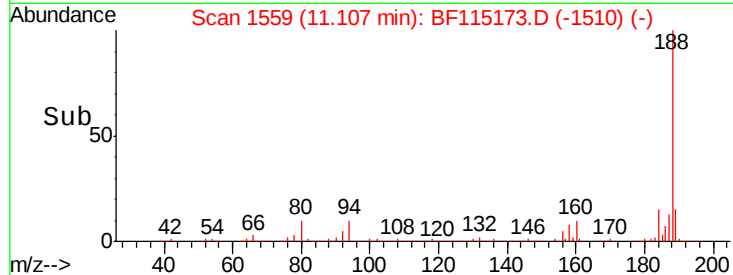
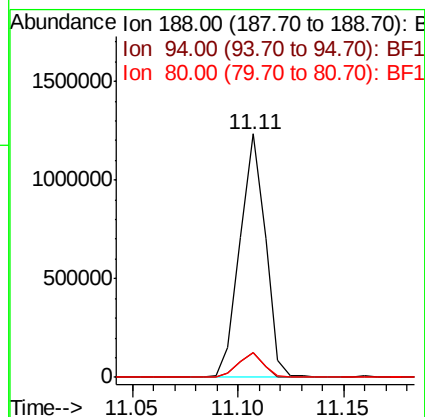
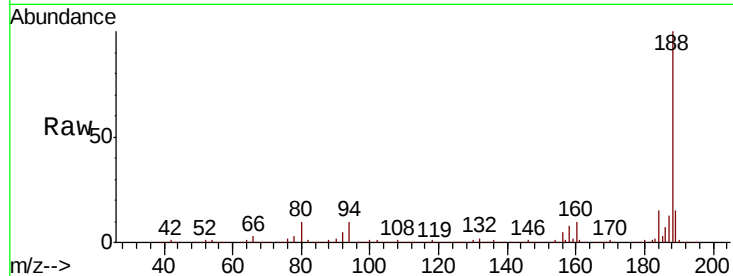




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

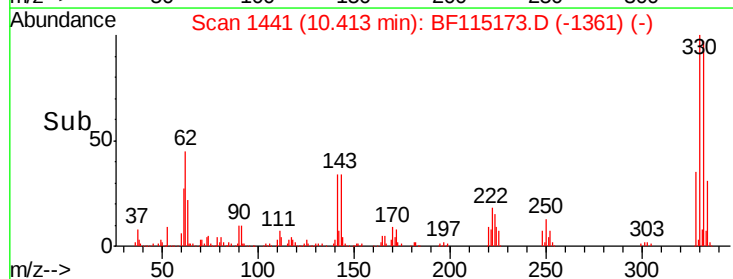
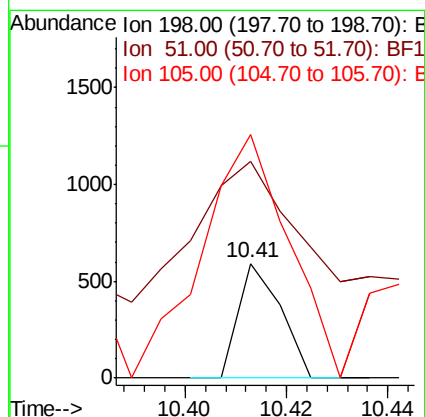
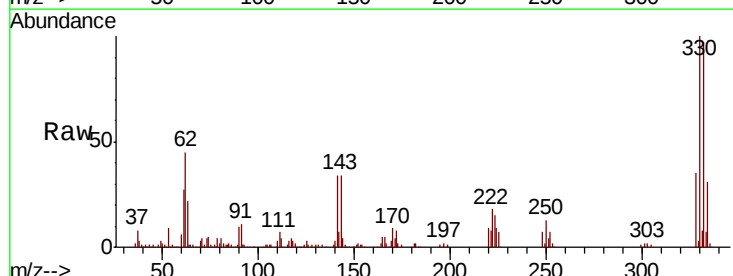
Instrument :
BNA_F
ClientSampleId :
TP-1

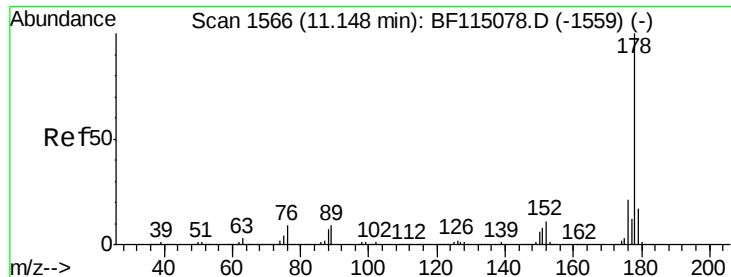
Tot Ion:188 Resp: 1032577
Ion Ratio Lower Upper
188 100
94 10.1 8.6 12.8
80 10.3 8.8 13.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.016 ng
RT: 10.41 min Scan# 1441
Delta R.T. 0.17 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

Tgt Ion:198 Resp: 343
Ion Ratio Lower Upper
198 100
51 188.5 11.0 51.0#
105 212.1 17.3 57.3#

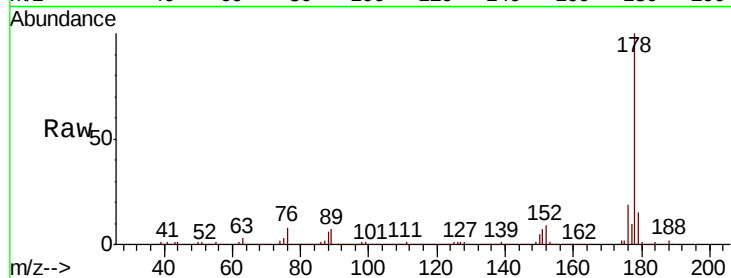




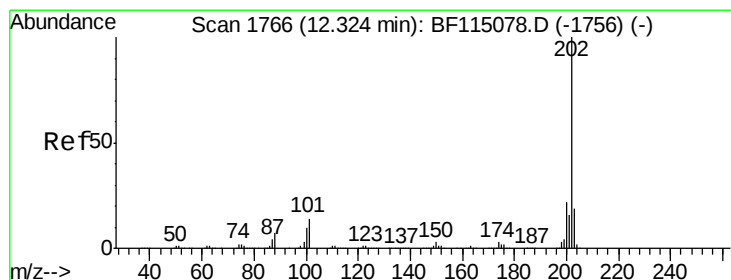
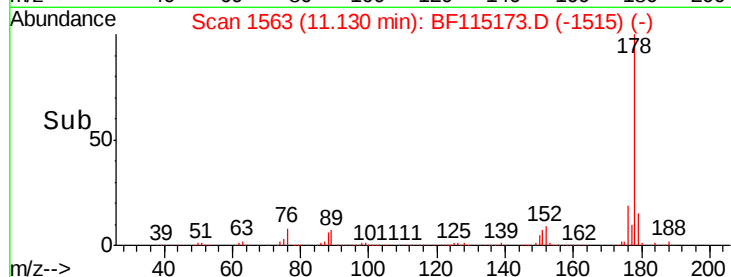
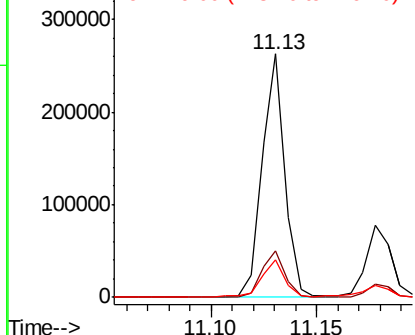
#71
Phenanthrene
Concen: 3.544 ng
RT: 11.13 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion:178 Resp: 197023
Ion Ratio Lower Upper
178 100
176 19.0 16.9 25.3
179 15.2 13.2 19.8

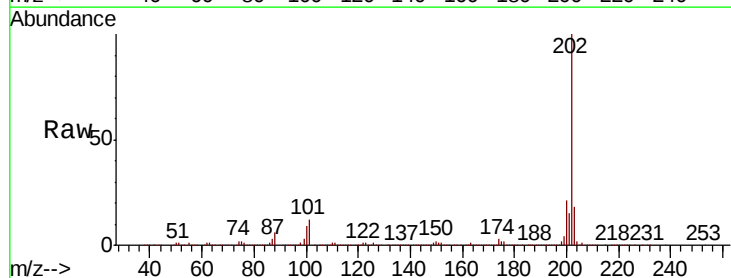


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

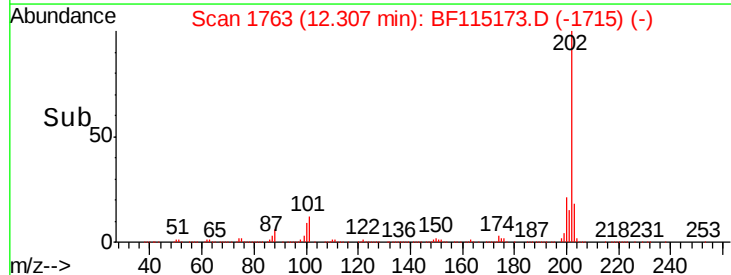
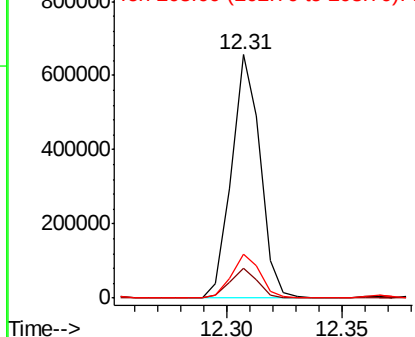


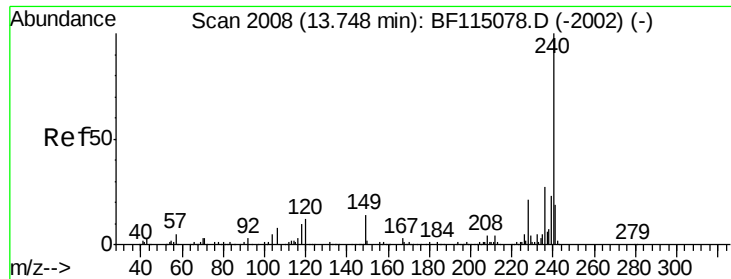
#75
Fluoranthene
Concen: 10.199 ng
RT: 12.31 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

Tgt Ion:202 Resp: 565757
Ion Ratio Lower Upper
202 100
101 12.3 0.0 34.0
203 18.0 0.0 38.8



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: 13.72 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF115173.D

Acq: 25 Jun 2019 3:01

Instrument :

BNA_F

ClientSampleId :

TP-1

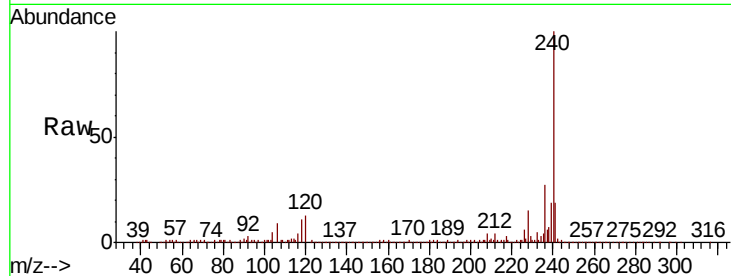
Tot Ion:240 Resp: 636475

Ion Ratio Lower Upper

240 100

120 12.8 9.4 14.2

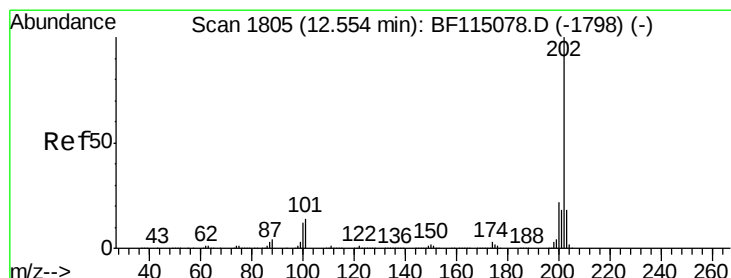
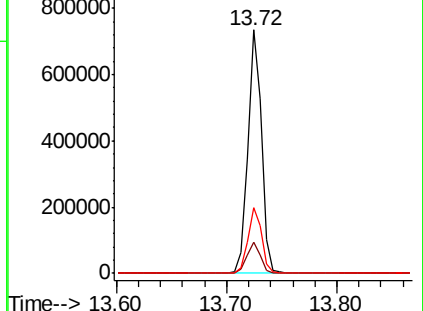
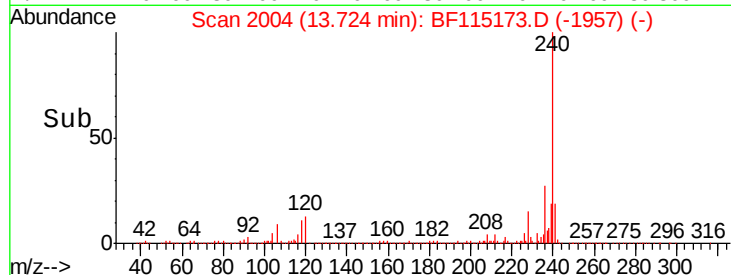
236 27.0 21.7 32.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 13.491 ng

RT: 12.54 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF115173.D

Acq: 25 Jun 2019 3:01

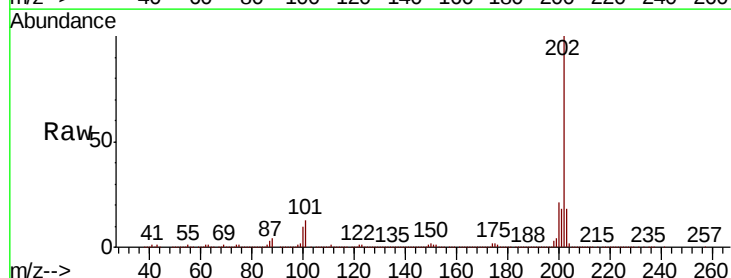
Tgt Ion:202 Resp: 659915

Ion Ratio Lower Upper

202 100

200 21.4 17.9 26.9

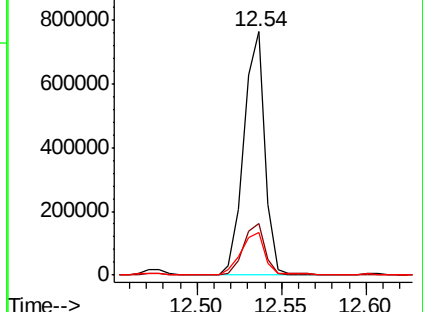
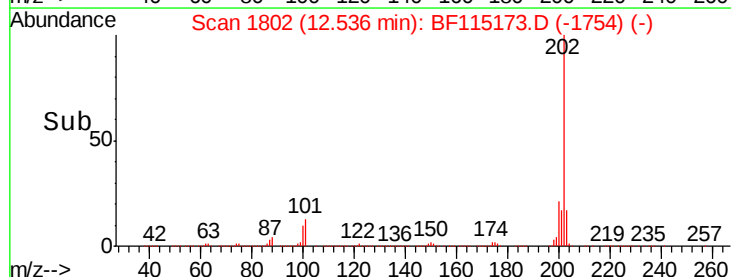
203 17.7 14.6 21.8

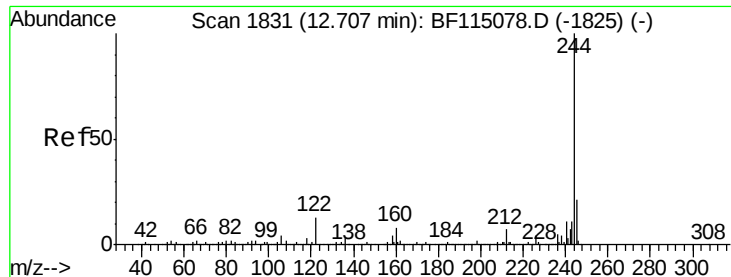


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 29.755 ng

RT: 12.69 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BF115173.D

Acq: 25 Jun 2019 3:01

Instrument :

BNA_F

ClientSampleId :

TP-1

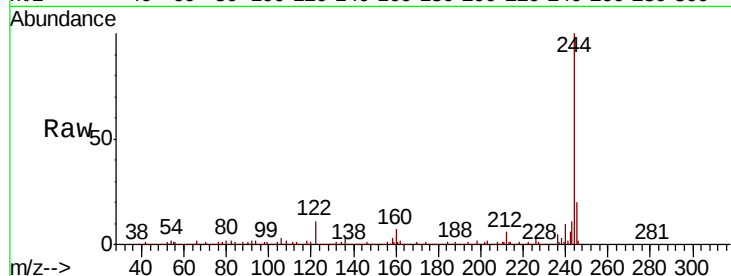
Tot Ion:244 Resp: 890723

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.6

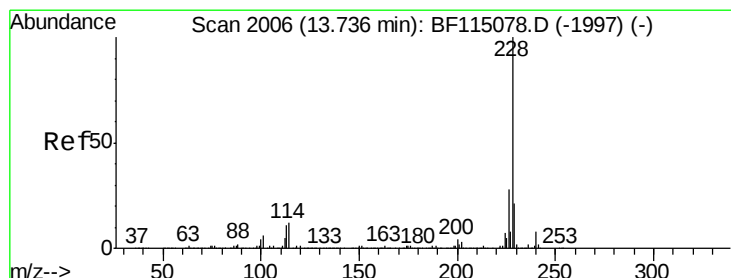
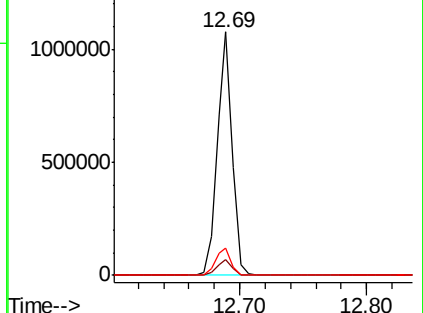
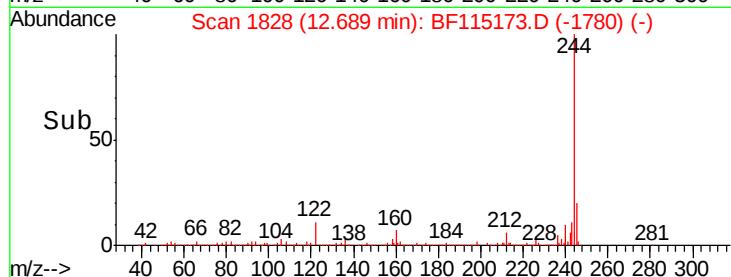
122 11.4 10.4 15.6



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: 6.468 ng

RT: 13.75 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BF115173.D

Acq: 25 Jun 2019 3:01

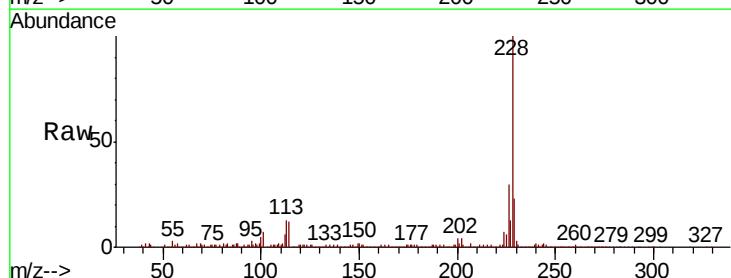
Tgt Ion:228 Resp: 295388

Ion Ratio Lower Upper

228 100

226 30.1 22.5 33.7

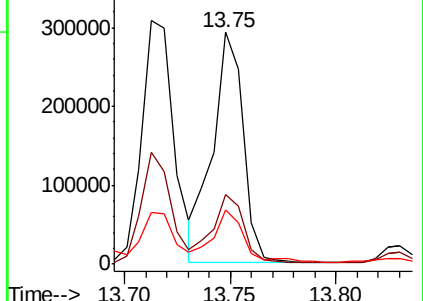
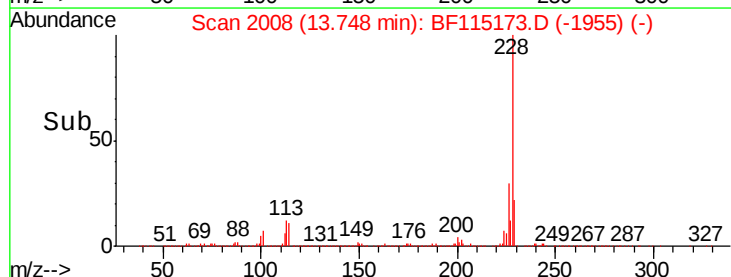
229 23.3 16.6 24.8

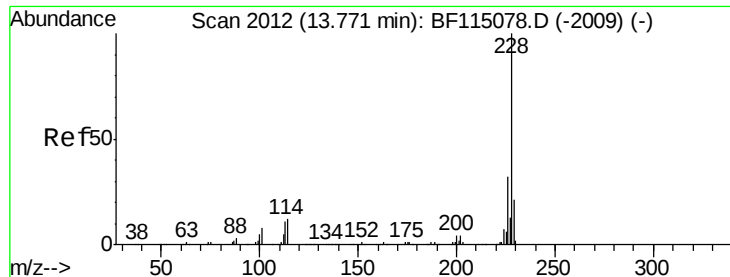


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

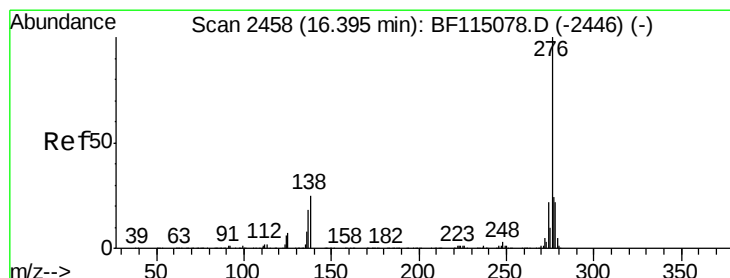
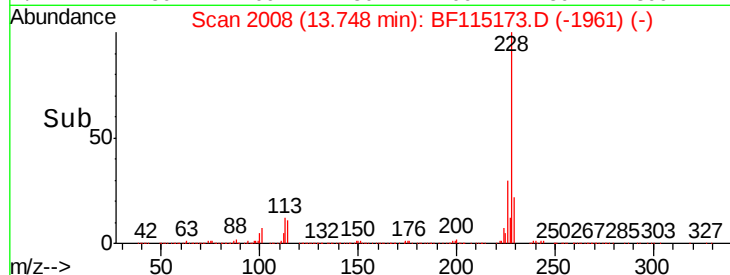
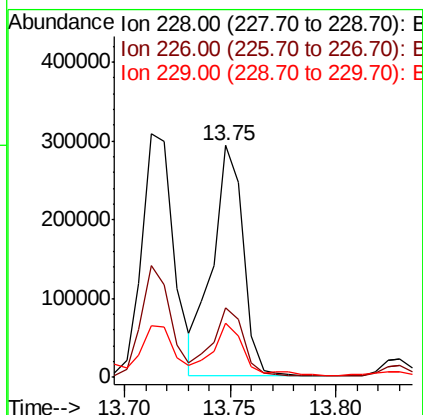
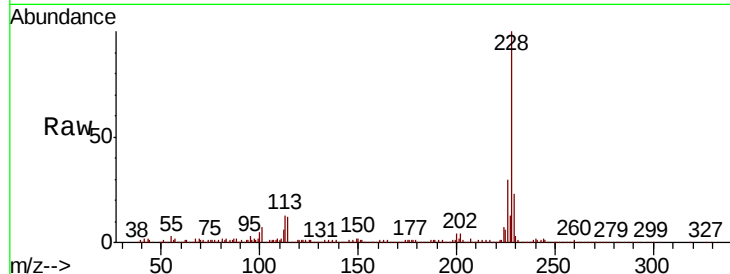




#83
Chrysene
Concen: 7.061 ng
RT: 13.75 min Scan# 2008
Delta R.T. -0.02 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

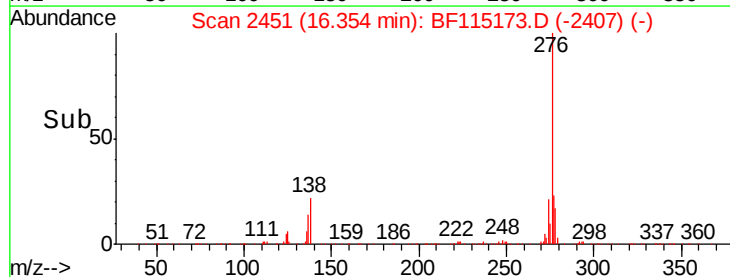
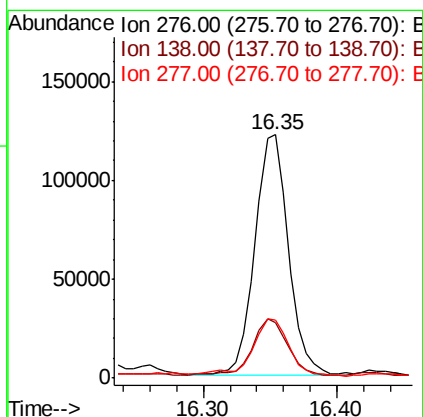
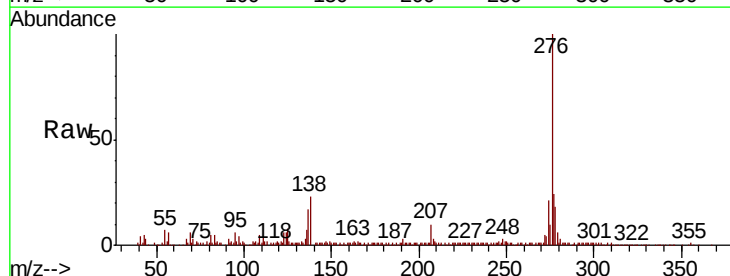
Instrument :
BNA_F
ClientSampleId :
TP-1

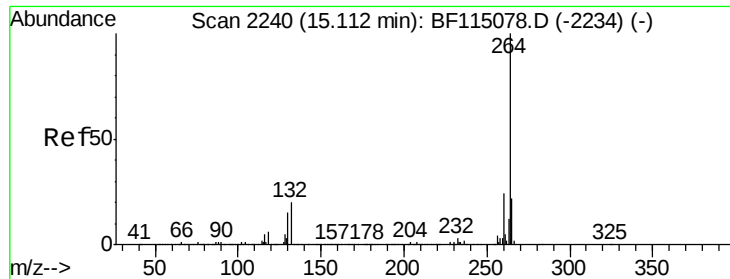
Tot Ion:	228	Resp:	295388
Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.0
229	23.3	16.5	24.7



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.267 ng
RT: 16.35 min Scan# 2451
Delta R.T. -0.04 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

Tgt Ion:	276	Resp:	211216
Ion	Ratio	Lower	Upper
276	100		
138	24.8	23.2	34.8
277	26.4	20.1	30.1



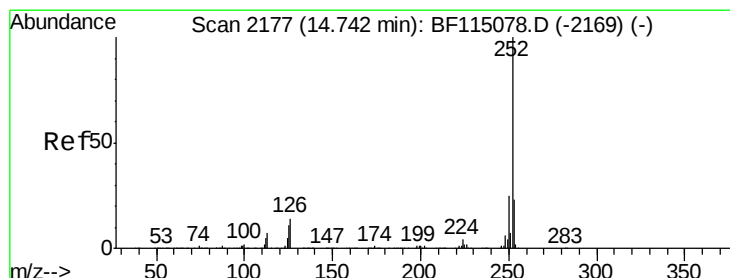
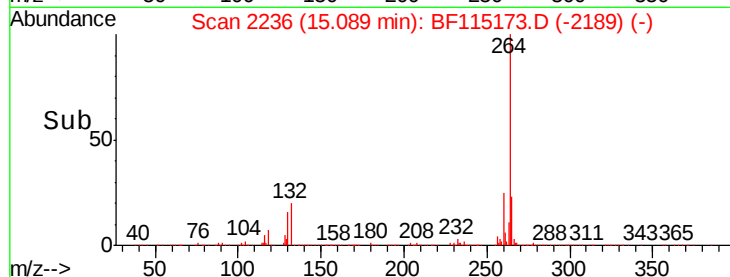
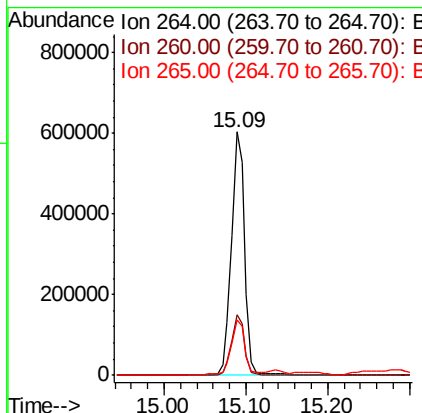
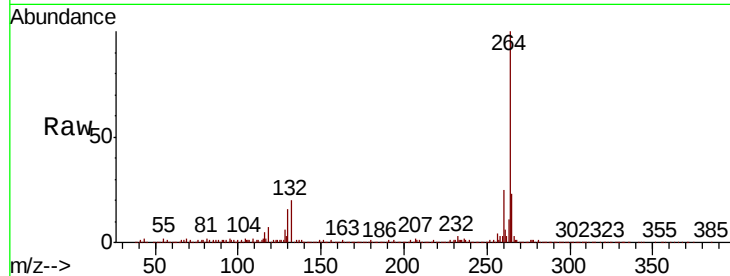


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.09 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion:264 Resp: 674610

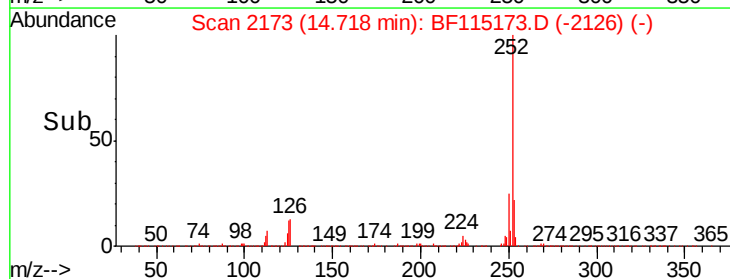
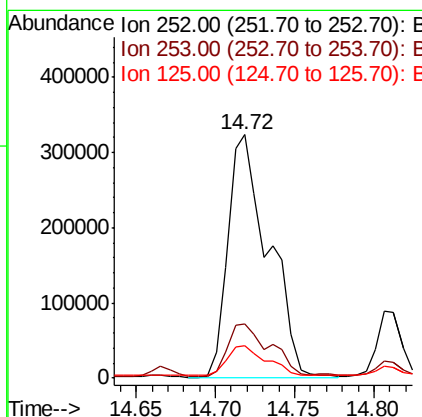
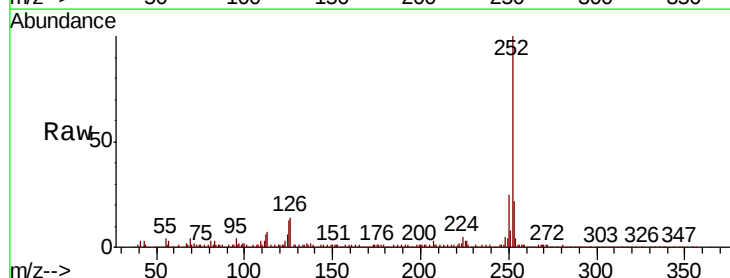
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	22.7	17.3	25.9

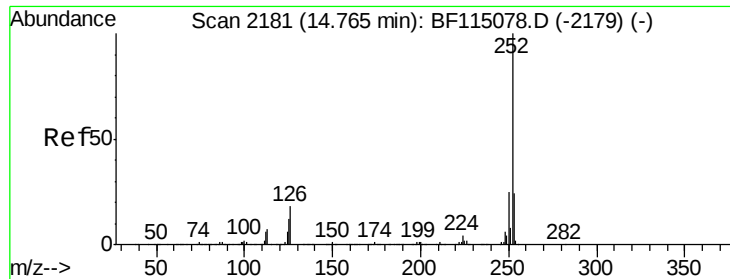


#88
Benzo(b)fluoranthene
Concen: 13.583 ng
RT: 14.72 min Scan# 2173
Delta R.T. -0.02 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

Tgt Ion:252 Resp: 571771

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	13.3	8.7	13.1#

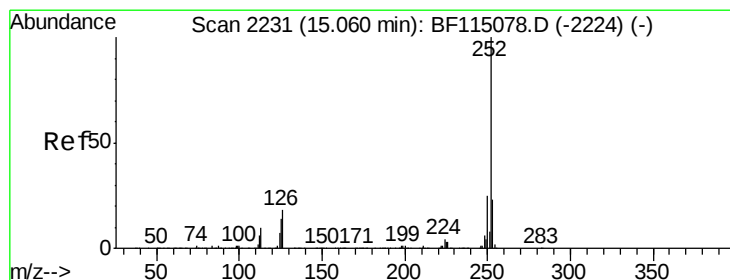
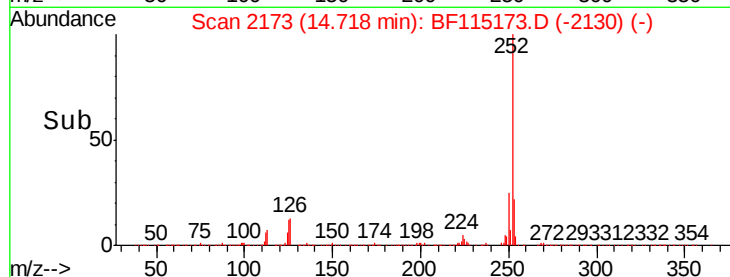
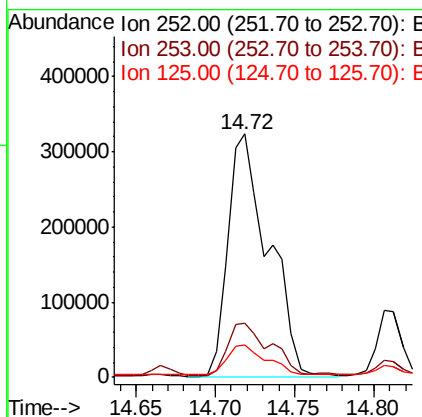
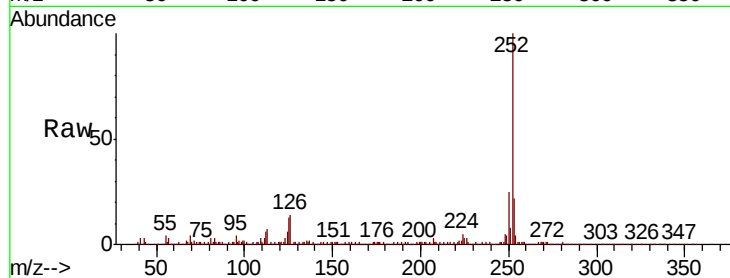




#89
Benzo(k)fluoranthene
Concen: 15.147 ng
RT: 14.72 min Scan# 2173
Delta R.T. -0.05 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

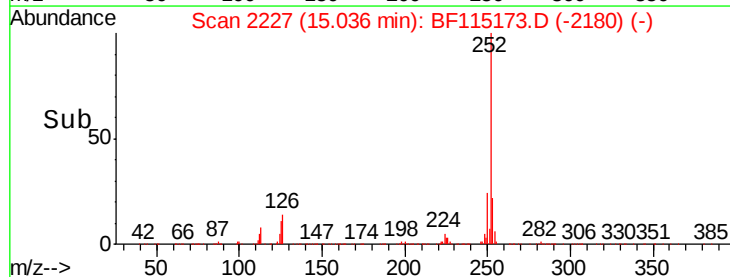
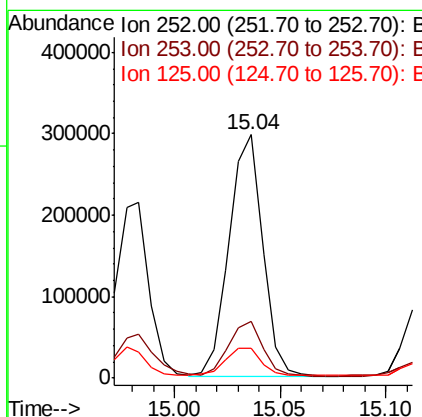
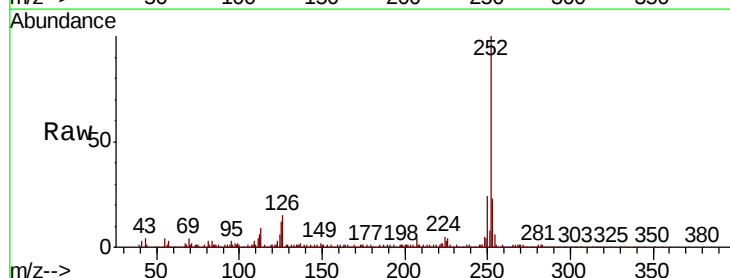
Instrument :
BNA_F
ClientSampleId :
TP-1

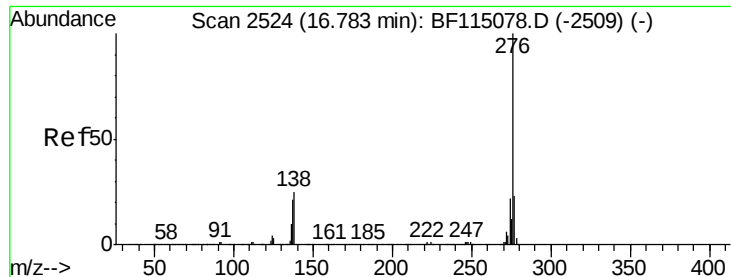
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.9	28.3
125	13.3	10.2	15.2



#90
Benzo(a)pyrene
Concen: 8.587 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF115173.D
Acq: 25 Jun 2019 3:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.3	27.5
125	12.2	10.9	16.3





#92

Benzo(a,h,i)perylene

Concen: 6.084 ng

RT: 16.73 min Scan# 2515

Delta R.T. -0.05 min

Lab File: BF115173.D

Acq: 25 Jun 2019 3:01

Instrument :

BNA_F

ClientSampleId :

TP-1

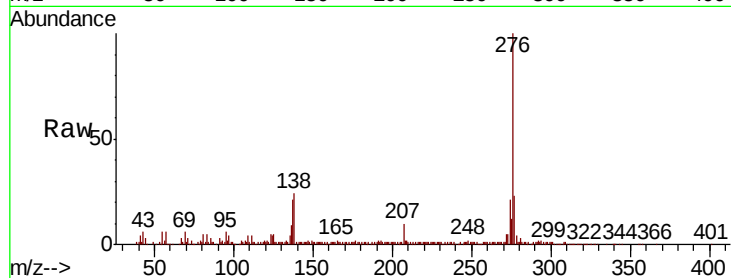
Tot Ion: 276 Resp: 218085

Ion Ratio Lower Upper

276 100

277 22.7 18.6 28.0

138 23.9 19.8 29.6



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

