

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113938.D
 Acq On : 23 Apr 2019 23:12
 Operator : JU/SJ
 Sample : K2204-03 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 02:08:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	125284	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	428339	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	185691	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	353640	20.00	ng	0.00
76) Chrysene-d12	14.05	240	382614	20.00	ng	-0.02
87) Perylene-d12	15.53	264	310302	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	451961	61.70	ng	0.00
7) Phenol-d6	6.52	99	570198	62.04	ng	0.00
23) Nitrobenzene-d5	7.45	82	320102	46.14	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	134271	59.36	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	609020	51.30	ng	0.00
79) Terphenyl-d14	13.00	244	724808	38.84	ng	0.00

Target Compounds

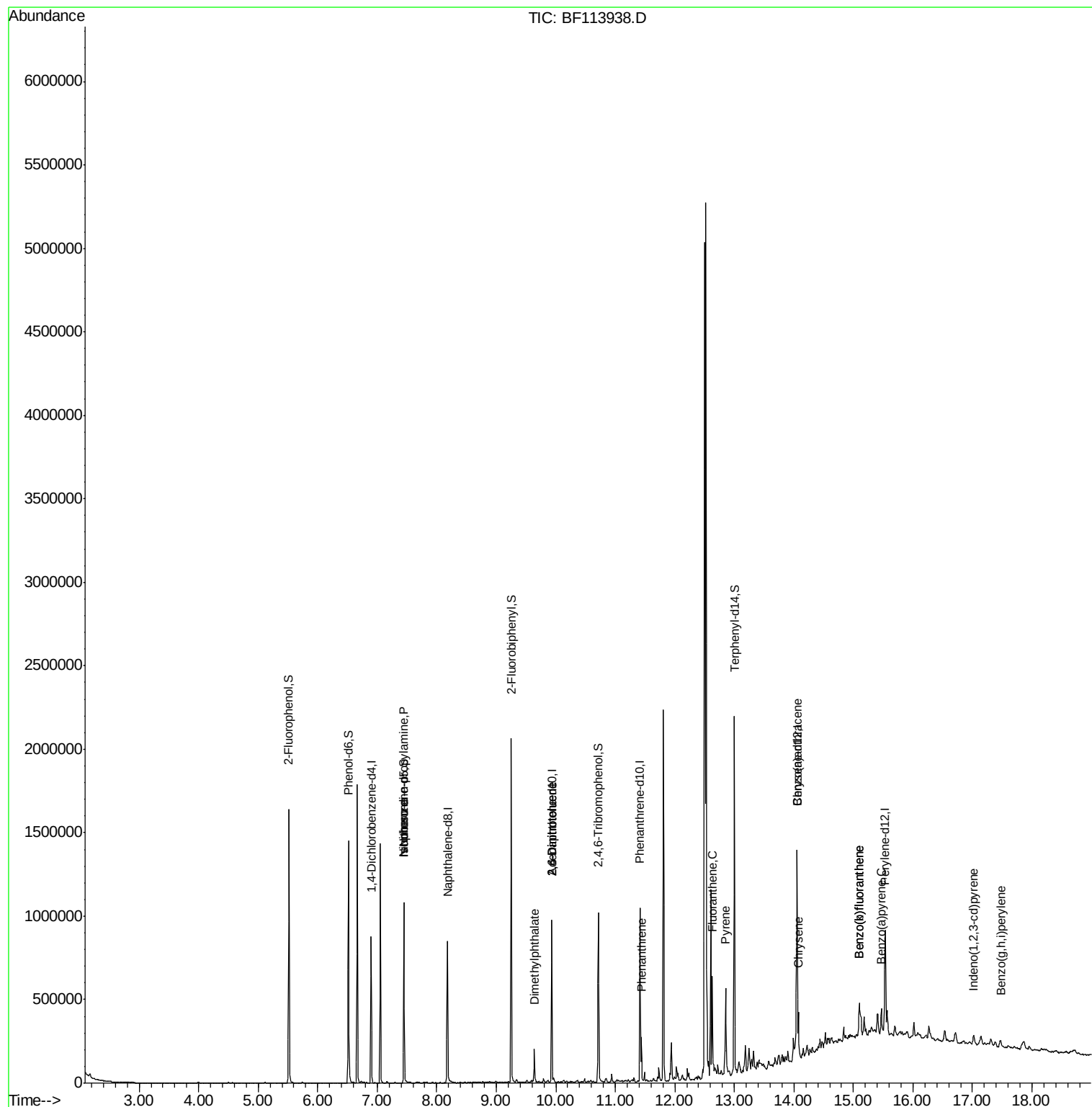
						Qvalue
9) Benzaldehyde	6.52	77	802	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.45	70	42708	7.176 ng	#	77
25) Isophorone	7.45	82	317140	22.342 ng	#	65
50) Dimethylphthalate	9.64	163	77317	5.757 ng		100
51) 2,6-Dinitrotoluene	9.93	165	24431	8.480 ng	#	33
57) 2,4-Dinitrotoluene	9.93	165	24431	6.718 ng	#	29
71) Phenanthrene	11.44	178	93289	5.249 ng		96
75) Fluoranthene	12.63	202	208673	10.762 ng		98
78) Pyrene	12.86	202	205656	7.686 ng		97
81) Benzo(a)anthracene	14.04	228	113253	5.024 ng		97
83) Chrysene	14.08	228	116040	5.285 ng		97
86) Indeno(1,2,3-cd)pyrene	17.02	276	41807	2.010 ng		96
88) Benzo(b)fluoranthene	15.10	252	158417	8.069 ng	#	95
89) Benzo(k)fluoranthene	15.10	252	158417	9.381 ng	#	96
90) Benzo(a)pyrene	15.47	252	77354	4.555 ng		98
92) Benzo(g,h,i)perylene	17.47	276	38675	2.404 ng	#	93

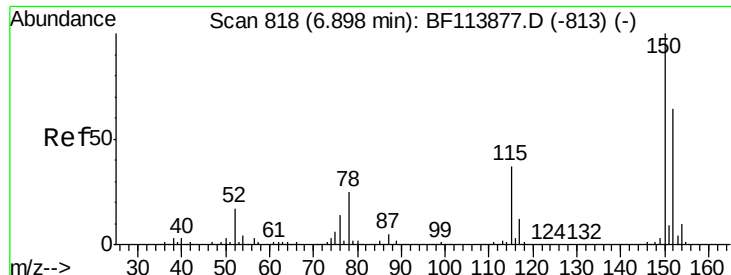
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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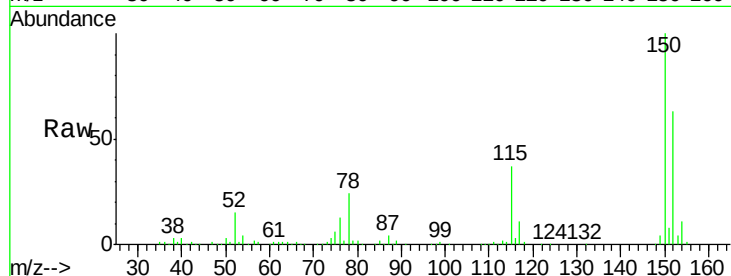


#1

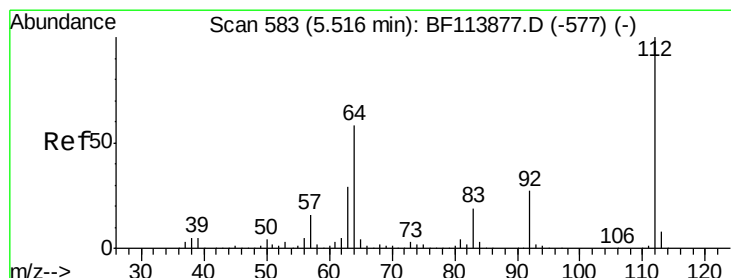
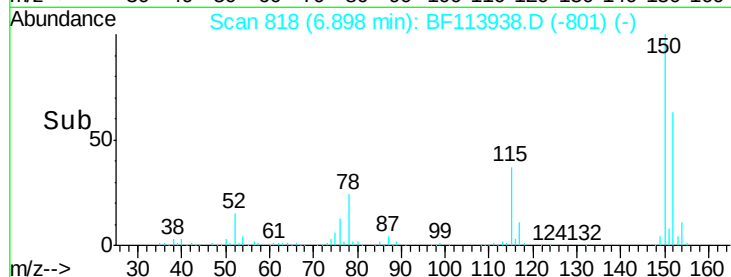
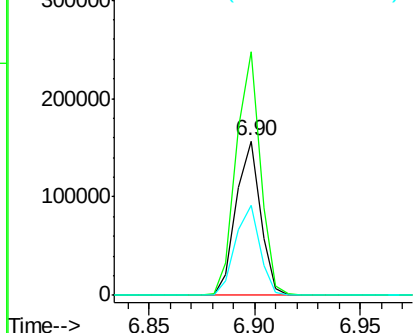
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.9	188.9
115	58.0	45.9	68.9



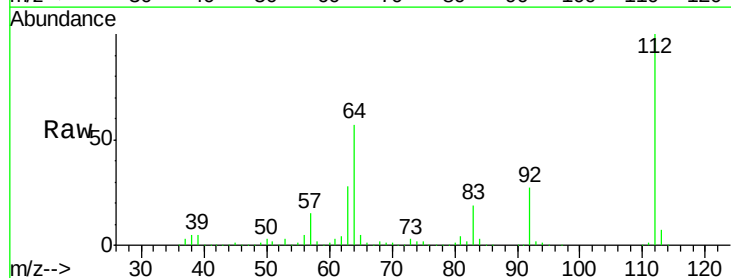
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



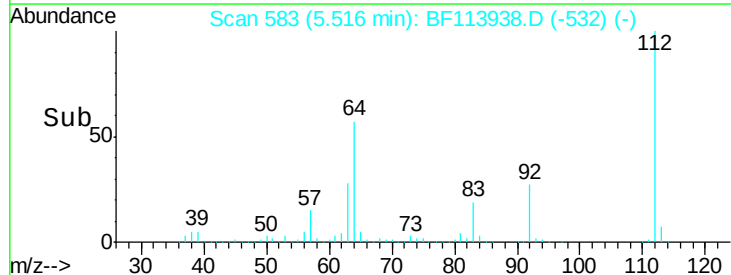
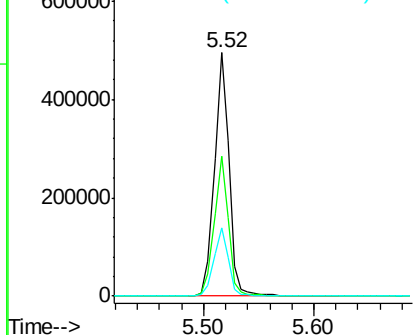
#5

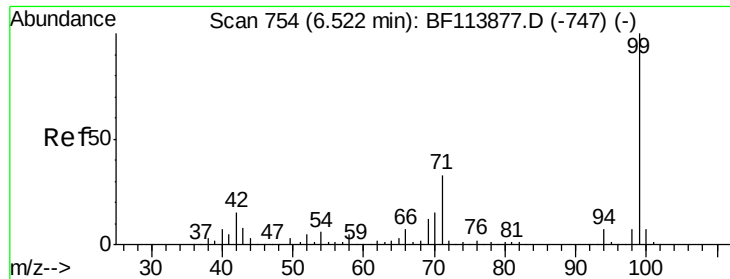
2-Fluorophenol
Concen: 61.701 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.6	69.8
63	28.0	23.1	34.7



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: 62.045 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

Instrument :

BNA_F

ClientSampleId :

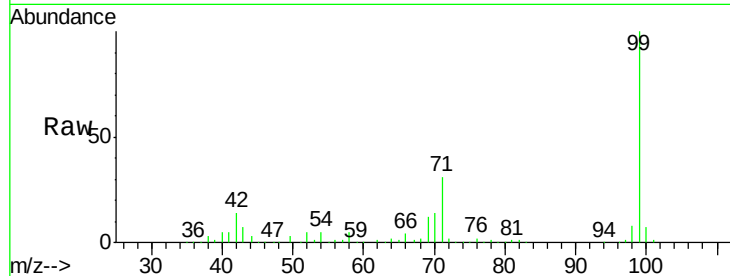
Tot Ion: 99 Resp: 570198

Ion Ratio Lower Upper

99 100

42 13.6 12.5 18.7

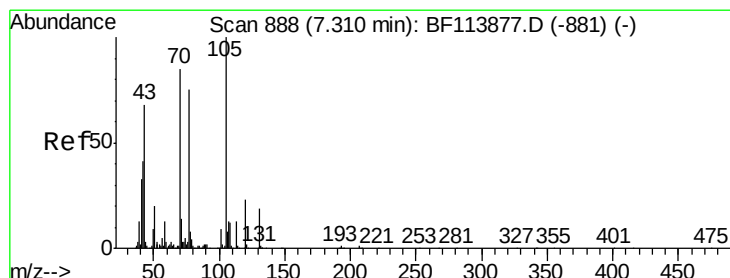
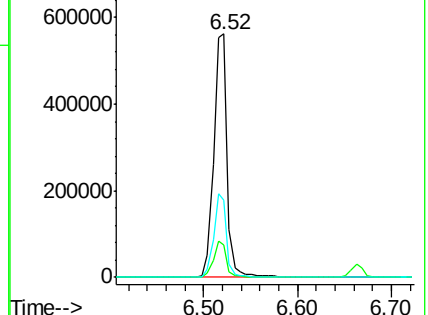
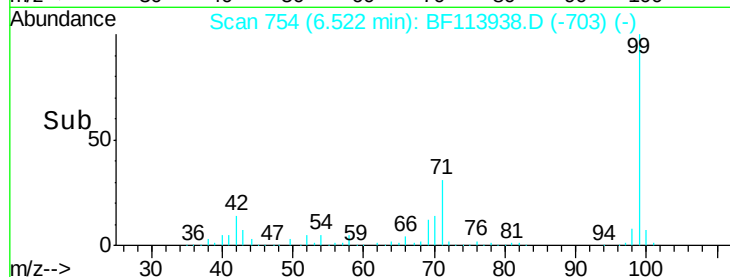
71 31.5 26.9 40.3



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: 7.176 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

Tgt Ion: 70 Resp: 42708

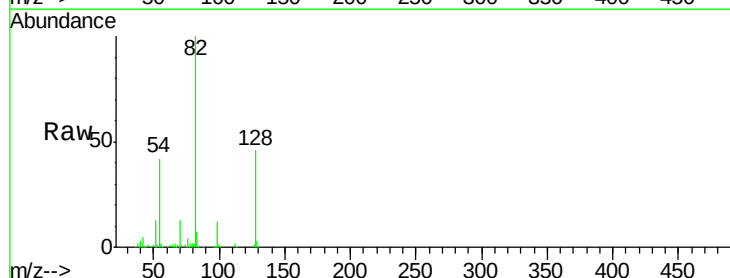
Ion Ratio Lower Upper

70 100

42 38.4 37.3 55.9

101 0.0 7.8 11.8#

130 2.2 18.2 27.2#

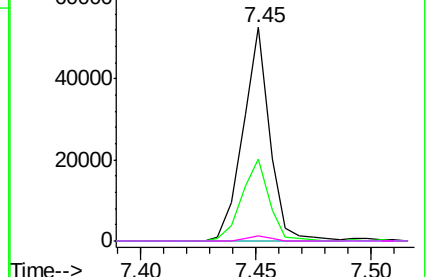
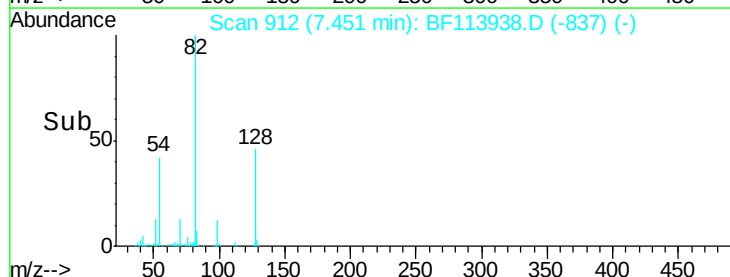


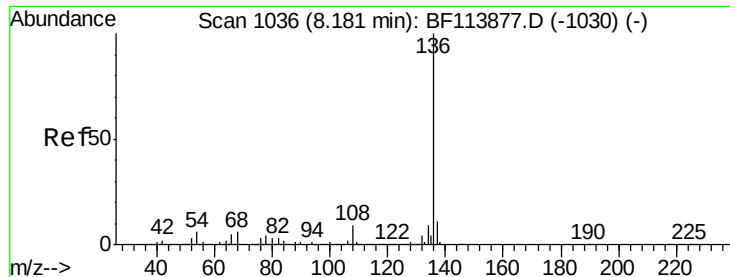
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

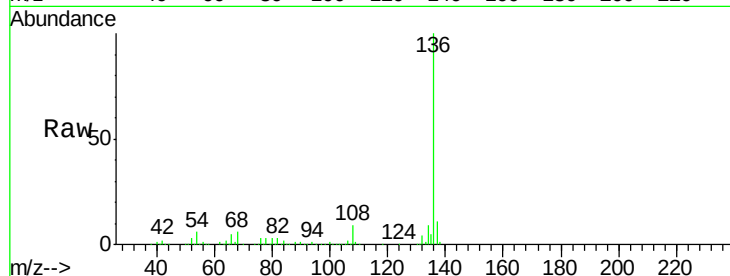




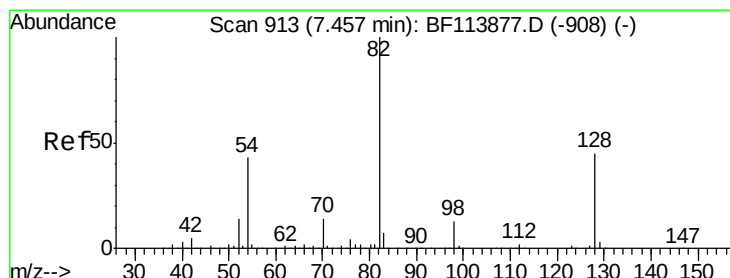
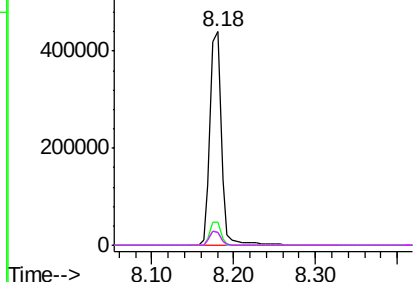
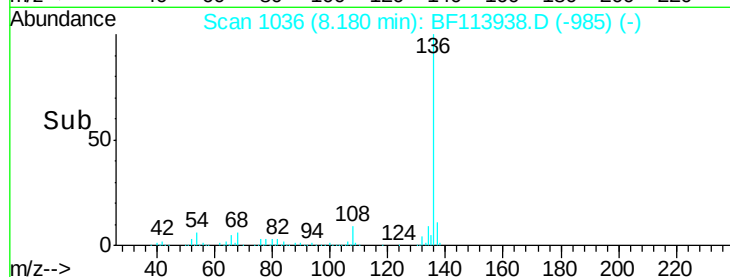
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	428339
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.6 12.8
54	5.7	5.0 7.6
68	5.8	4.9 7.3

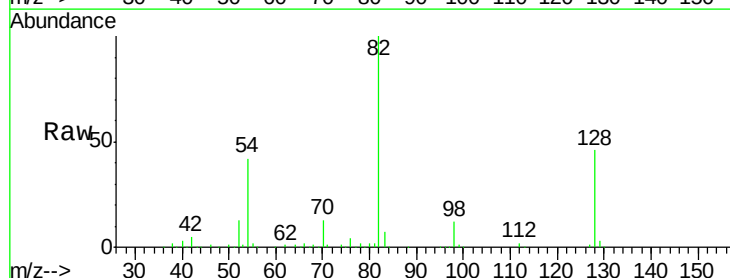


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

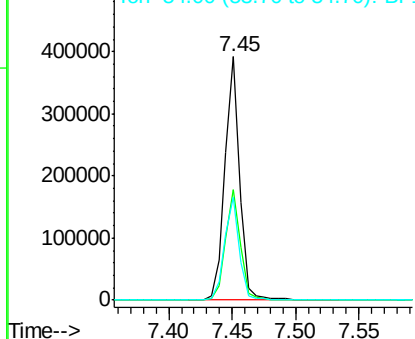
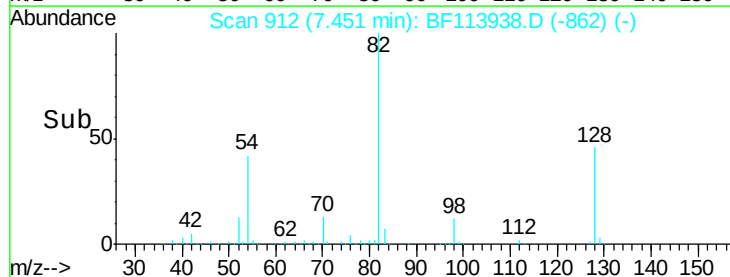


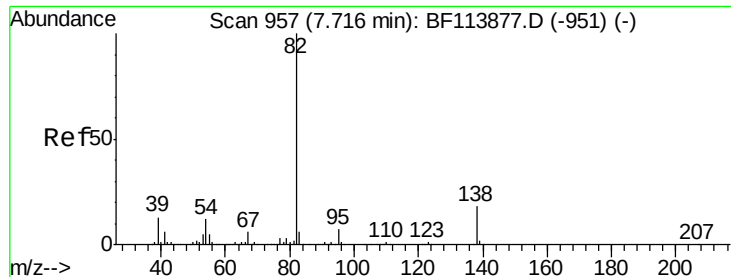
#23
Nitrobenzene-d5
Concen: 46.142 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Tgt Ion: 82	Resp:	320102
Ion	Ratio	Lower Upper
82	100	
128	45.6	36.8 55.2
54	42.1	33.8 50.6



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: 22.342 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

Instrument :

BNA_F

ClientSampleId :

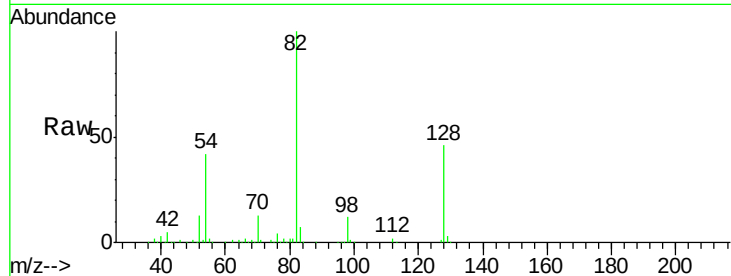
Tot Ion: 82 Resp: 317140

Ion Ratio Lower Upper

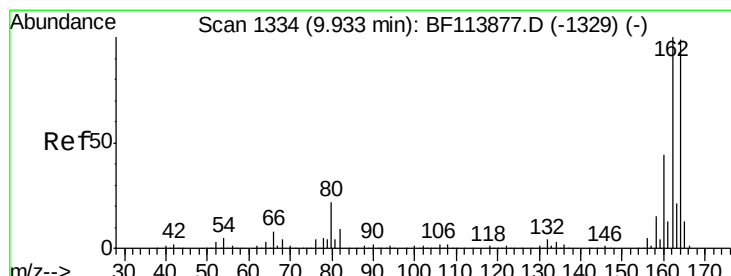
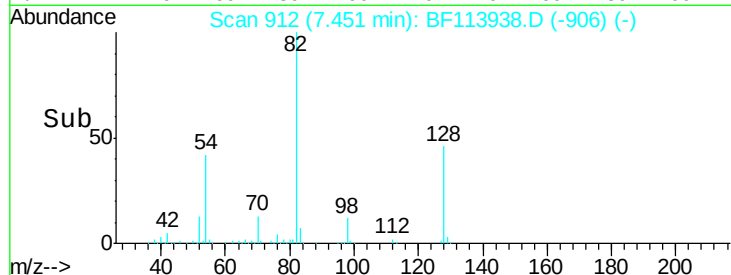
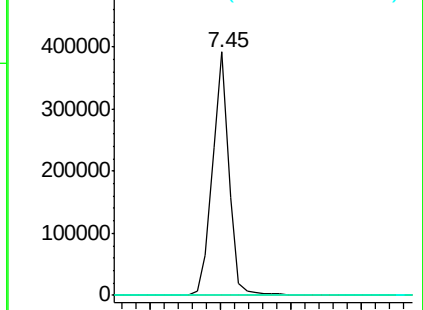
82 100

95 0.1 5.4 8.2#

138 0.0 14.6 22.0#



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: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

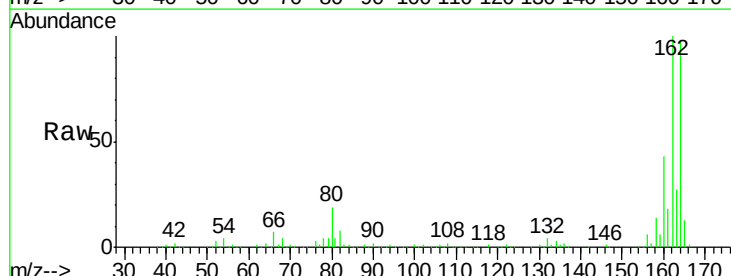
Tgt Ion:164 Resp: 185691

Ion Ratio Lower Upper

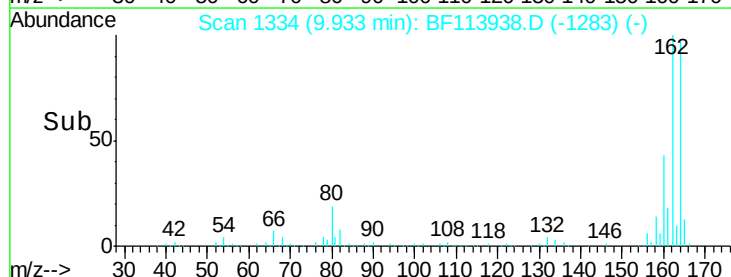
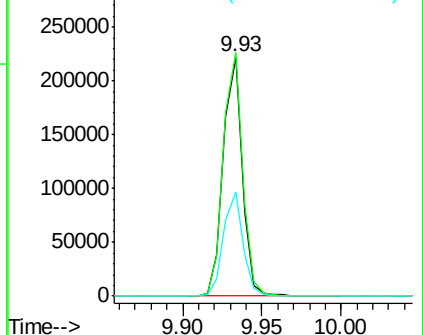
164 100

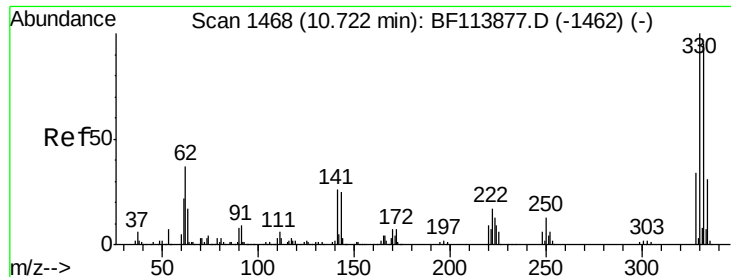
162 101.9 81.1 121.7

160 43.8 35.8 53.6



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

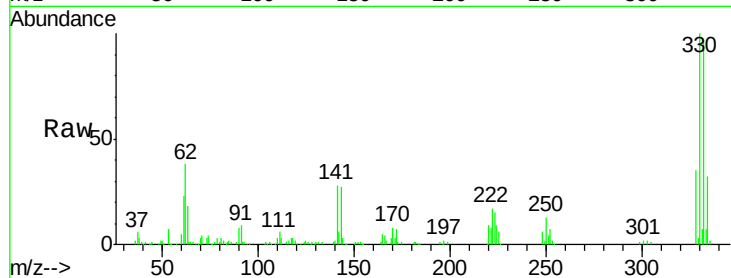




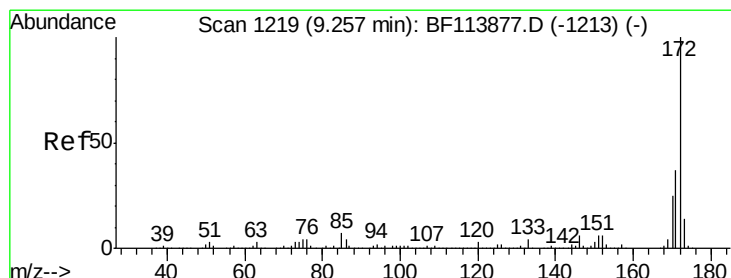
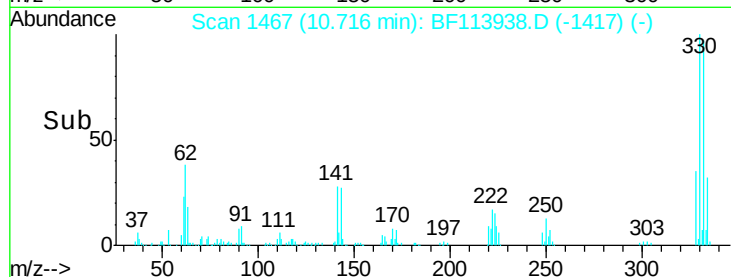
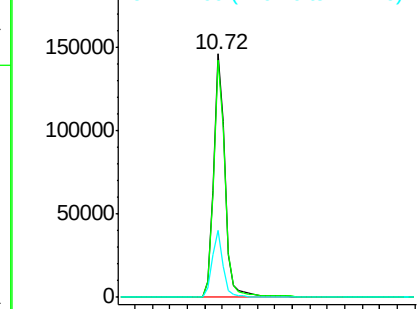
#42
 2,4,6-Tribromophenol
 Concen: 59.357 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF113938.D
 Acq: 23 Apr 2019 23:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.5	116.3
141	26.8	22.2	33.2

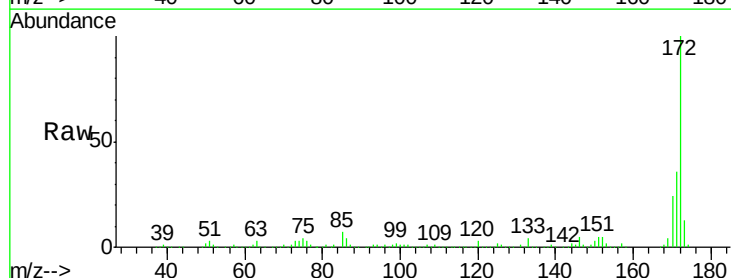


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

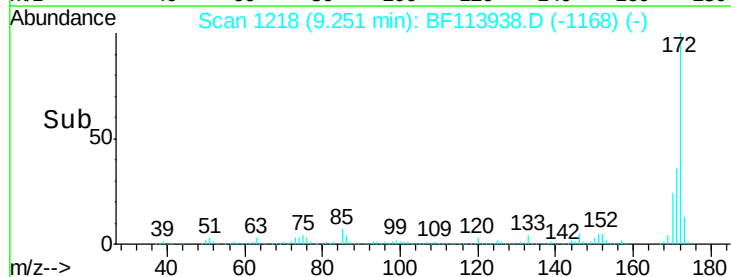
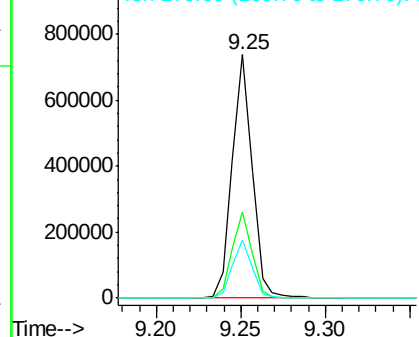


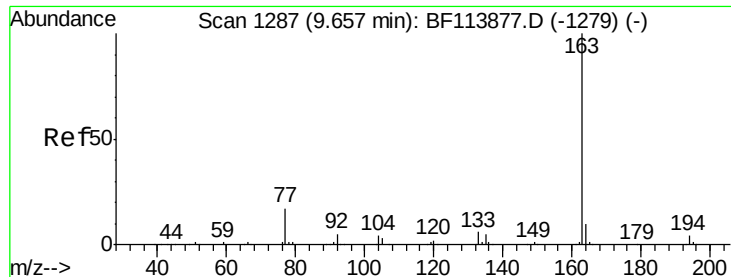
#45
 2-Fluorobiphenyl
 Concen: 51.296 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF113938.D
 Acq: 23 Apr 2019 23:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.4	44.0
170	23.7	19.9	29.9



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

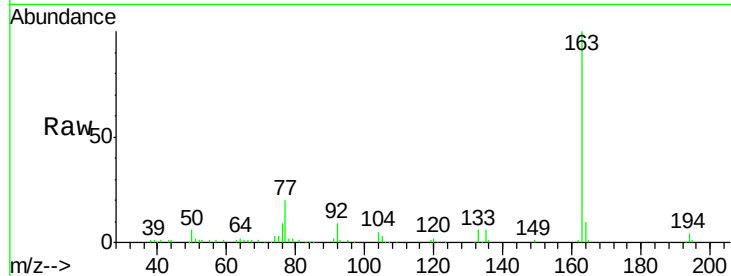




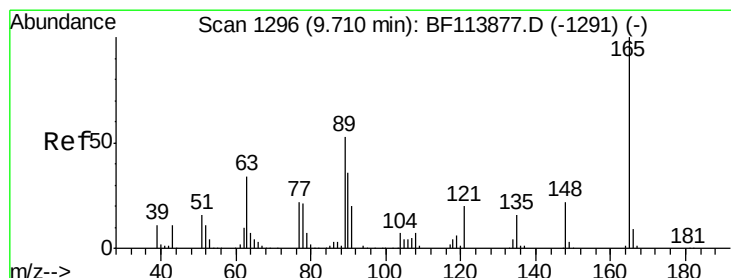
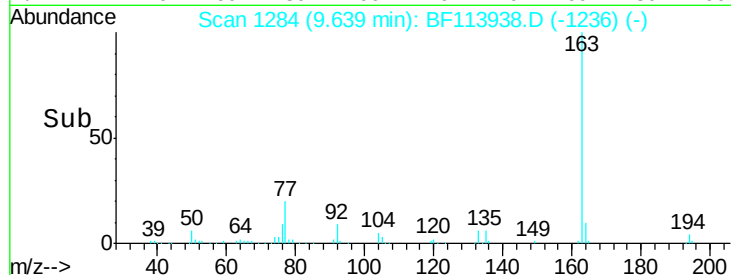
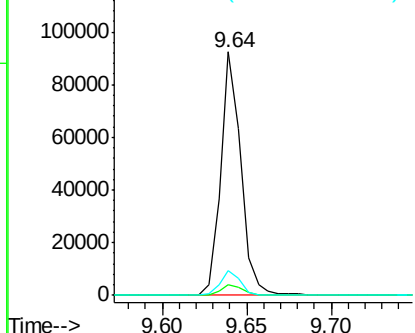
#50
Dimethylphthalate
Concen: 5.757 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 77317
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.4 8.5 12.7

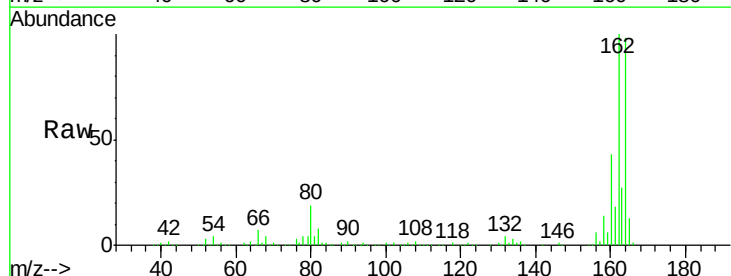


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

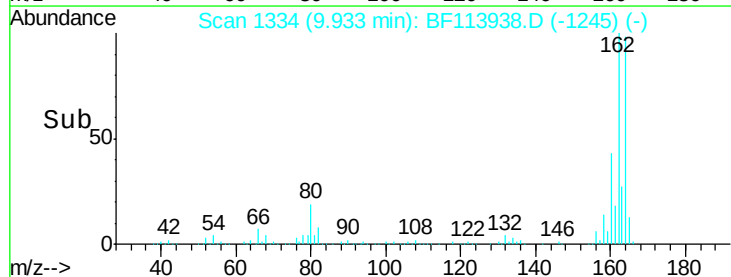
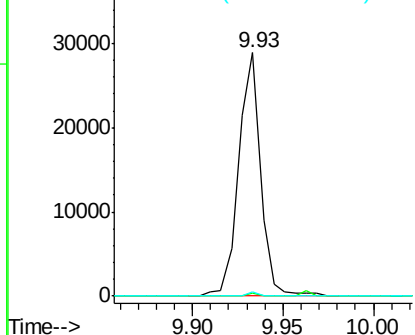


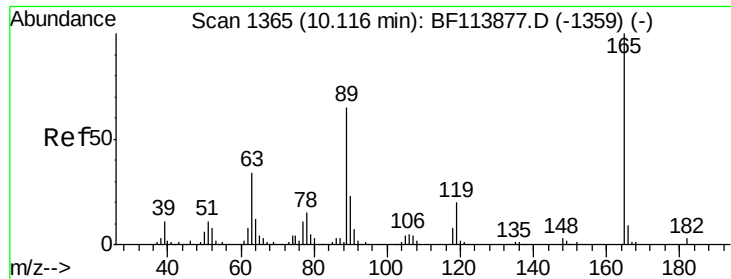
#51
2,6-Dinitrotoluene
Concen: 8.480 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.22 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Tgt Ion:165 Resp: 24431
Ion Ratio Lower Upper
165 100
63 1.2 33.8 50.8#
89 1.7 38.2 57.2#



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

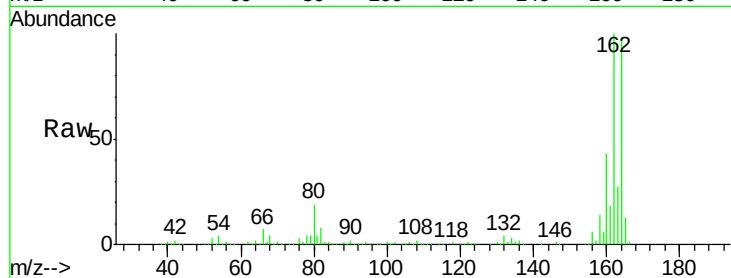




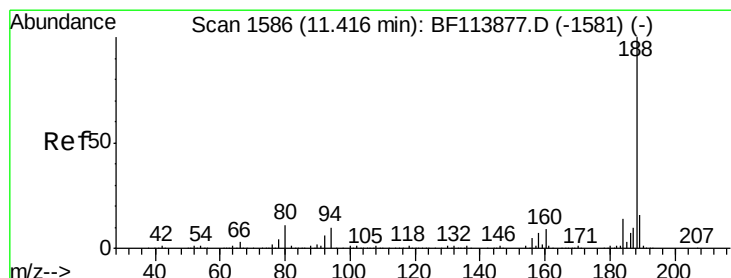
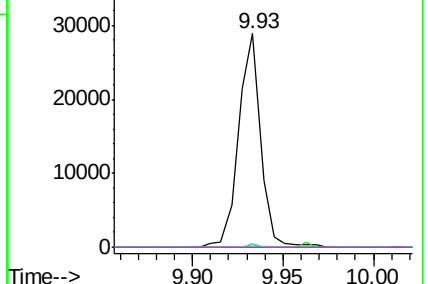
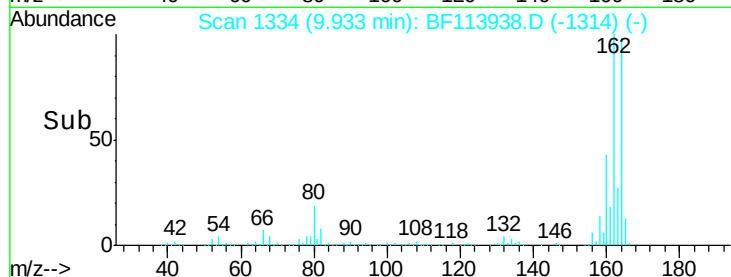
#57
 2,4-Dinitrotoluene
 Concen: 6.718 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF113938.D
 Acq: 23 Apr 2019 23:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 24431
 Ion Ratio Lower Upper
 165 100
 63 1.2 27.4 41.0#
 89 1.7 51.8 77.6#
 182 0.0 2.2 3.2#

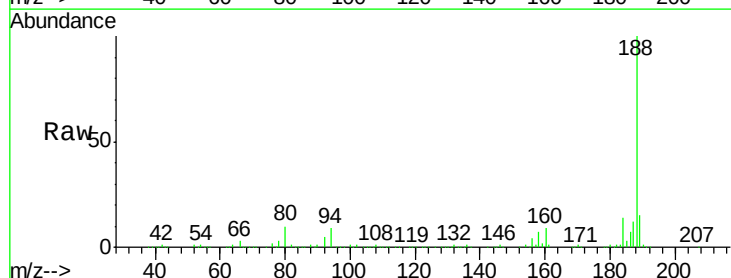


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

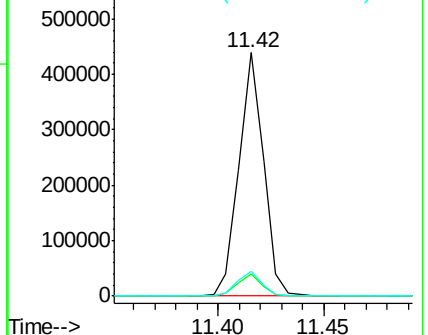
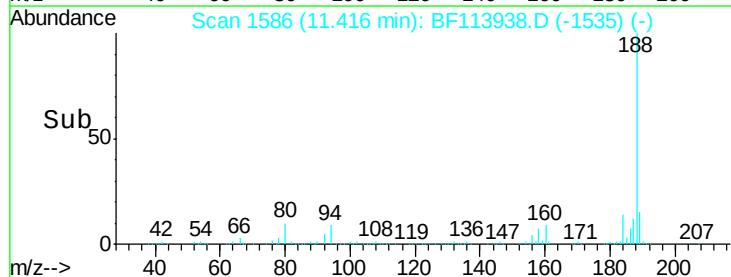


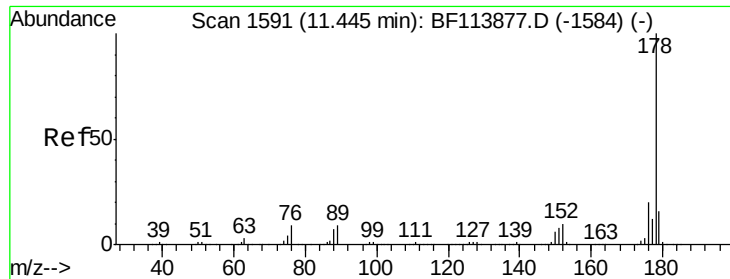
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF113938.D
 Acq: 23 Apr 2019 23:12

Tgt Ion:188 Resp: 353640
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.2 12.4
 80 9.9 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

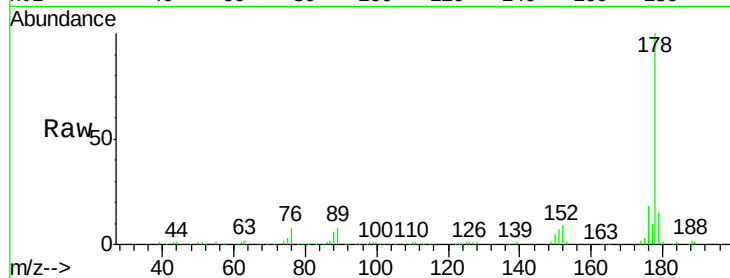




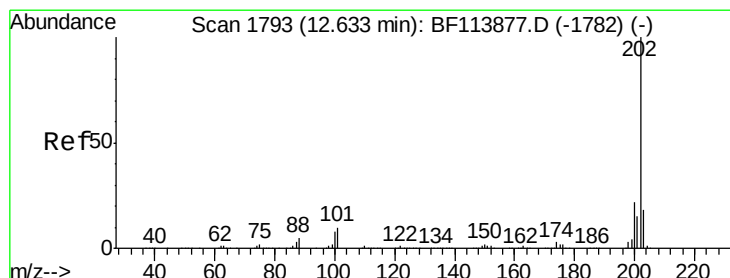
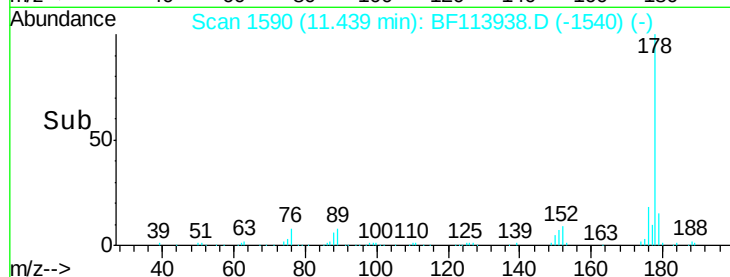
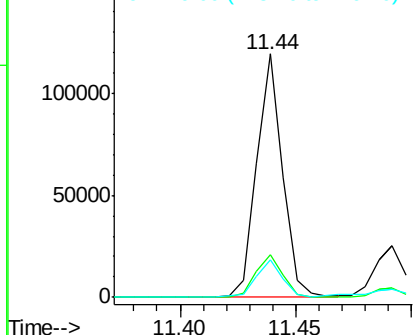
#71
Phenanthrene
Concen: 5.249 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 93289
Ion Ratio Lower Upper
178 100
176 17.6 16.1 24.1
179 15.4 12.8 19.2

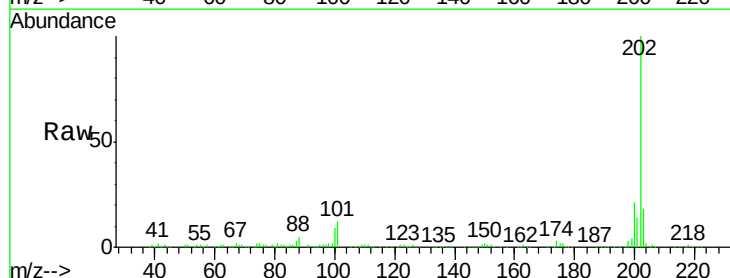


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

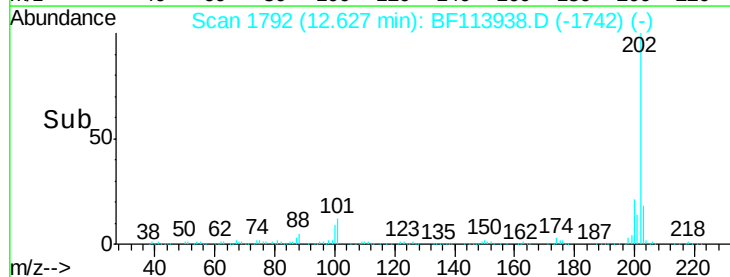
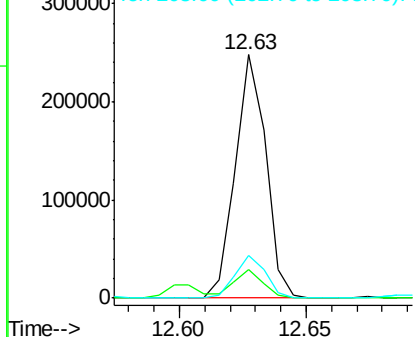


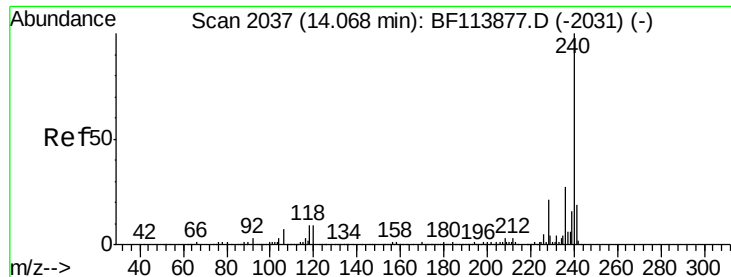
#75
Fluoranthene
Concen: 10.762 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Tgt Ion:202 Resp: 208673
Ion Ratio Lower Upper
202 100
101 11.9 0.0 32.9
203 17.8 0.0 38.2



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

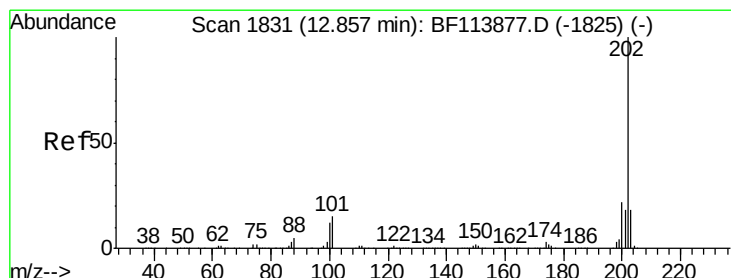
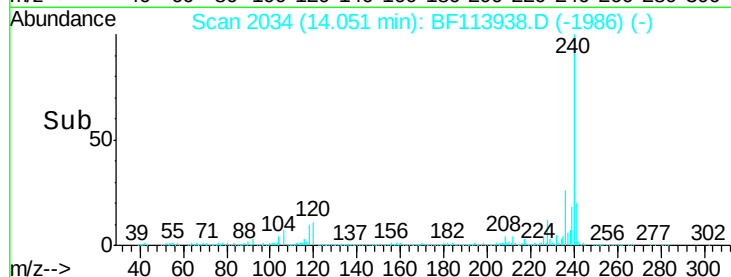
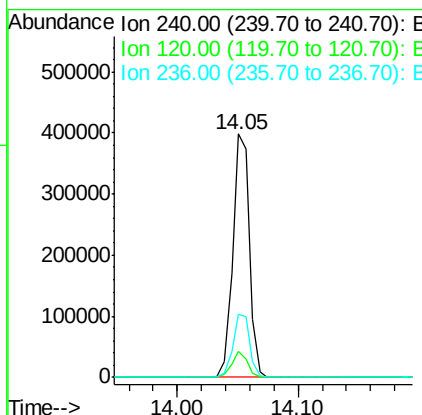
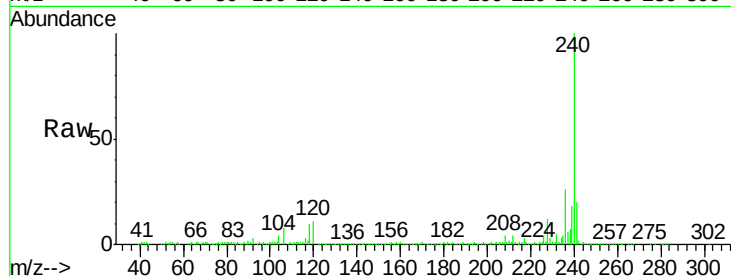




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

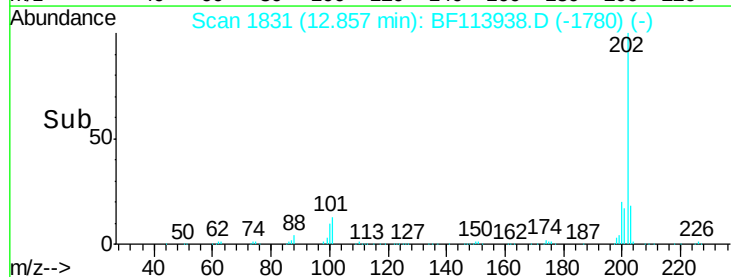
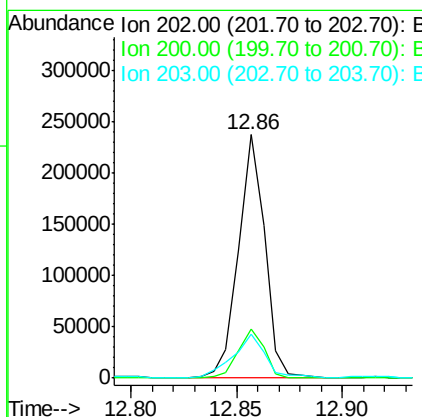
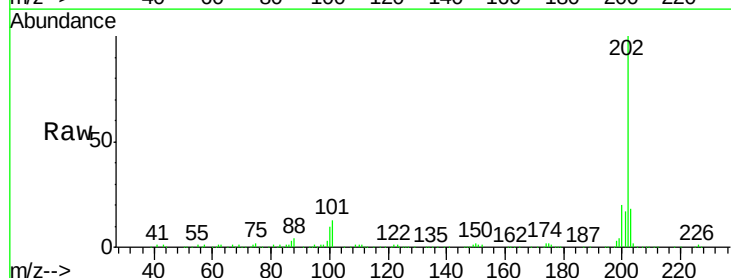
Instrument :
BNA_F
ClientSampleId :

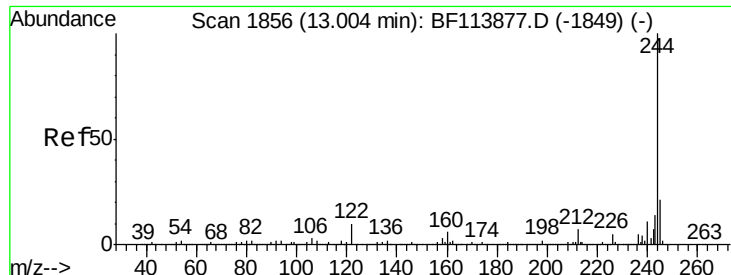
Tot Ion:240 Resp: 382614
Ion Ratio Lower Upper
240 100
120 10.6 9.3 13.9
236 26.0 21.2 31.8



#78
Pyrene
Concen: 7.686 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Tgt Ion:202 Resp: 205656
Ion Ratio Lower Upper
202 100
200 20.4 17.7 26.5
203 17.9 15.0 22.6





#79

Terphenyl-d14

Concen: 38.837 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

Instrument :

BNA_F

ClientSampleId :

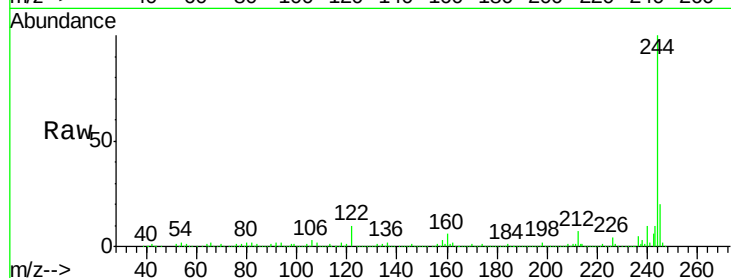
Tot Ion:244 Resp: 724808

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

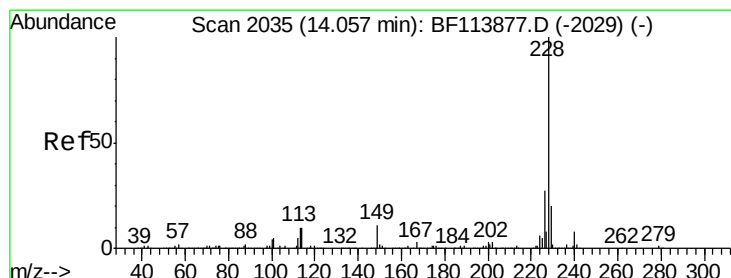
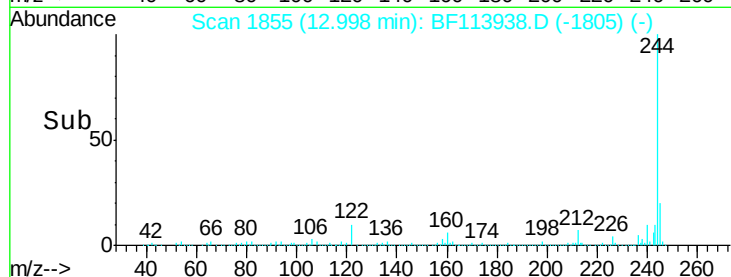
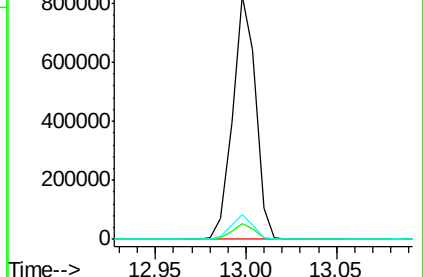
122 10.4 7.6 11.4



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: 5.024 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

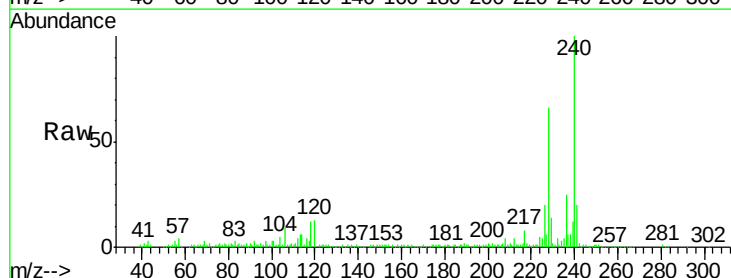
Tgt Ion:228 Resp: 113253

Ion Ratio Lower Upper

228 100

226 29.7 22.2 33.2

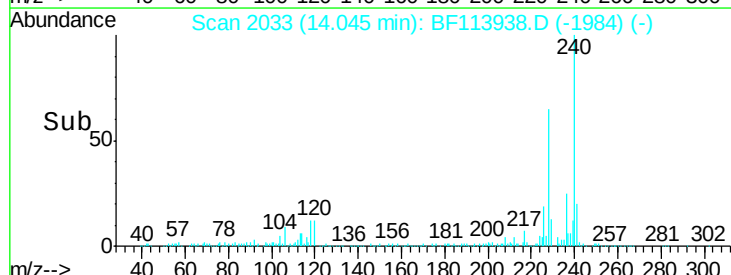
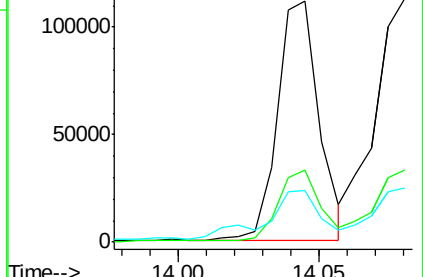
229 21.2 16.0 24.0

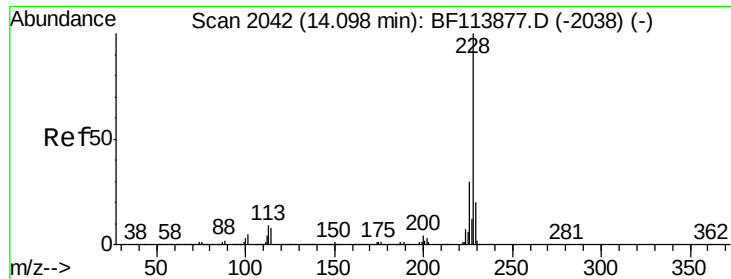


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.285 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

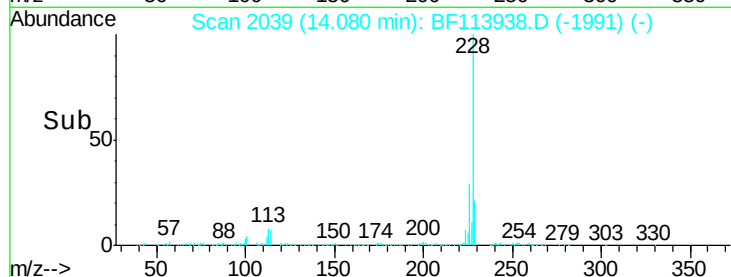
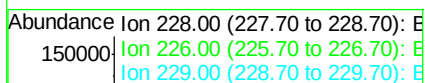
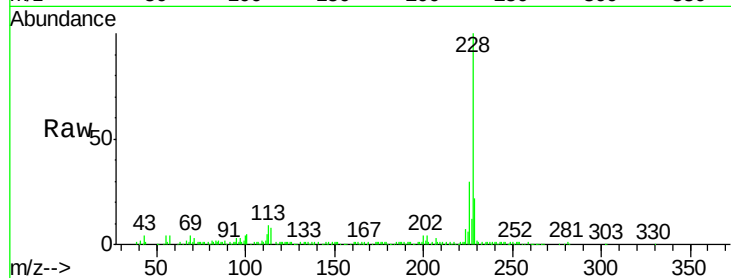
Instrument :

BNA_F

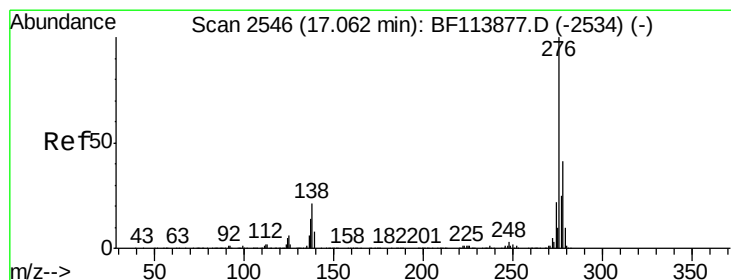
ClientSampled :

Tot Ion:228 Resp: 116040

Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.2	37.8
229	22.1	16.7	25.1



Time-->



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.010 ng

RT: 17.02 min Scan# 2539

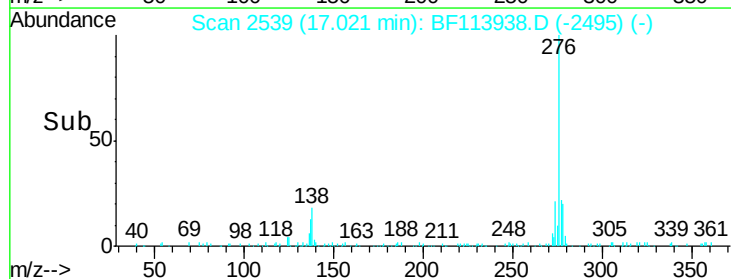
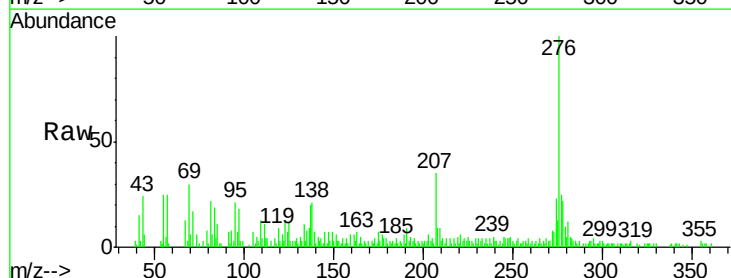
Delta R.T. -0.04 min

Lab File: BF113938.D

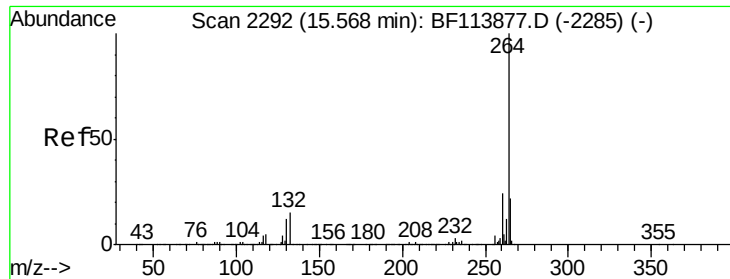
Acq: 23 Apr 2019 23:12

Tgt Ion:276 Resp: 41807

Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.6	29.4
277	24.8	20.2	30.4



Time-->



#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. -0.04 min

Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

Instrument :

BNA_F

ClientSampleId :

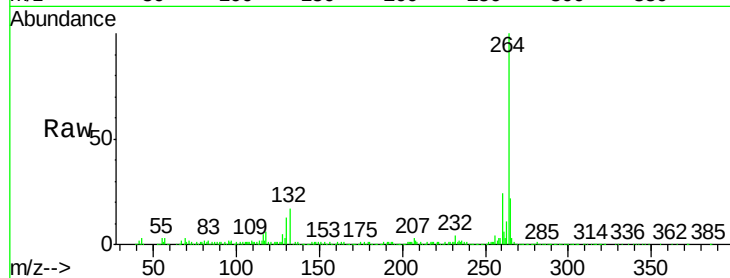
Tot Ion:264 Resp: 310302

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

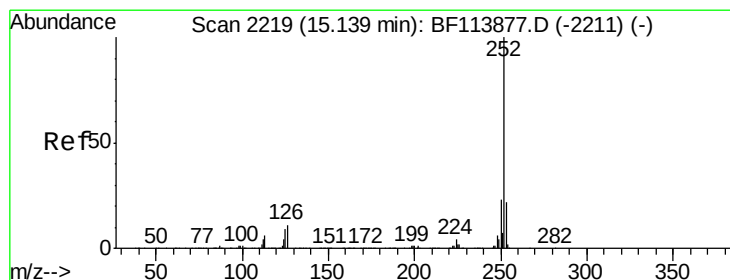
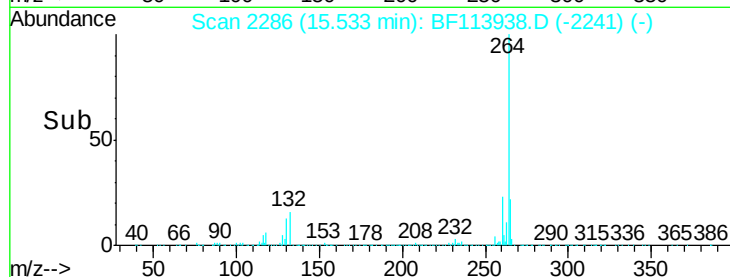
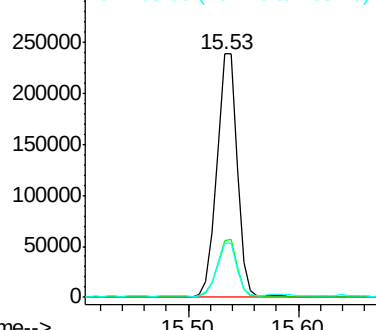
265 22.3 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 8.069 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.04 min

Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

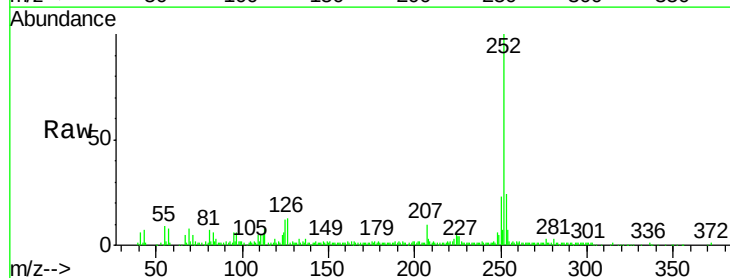
Tgt Ion:252 Resp: 158417

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

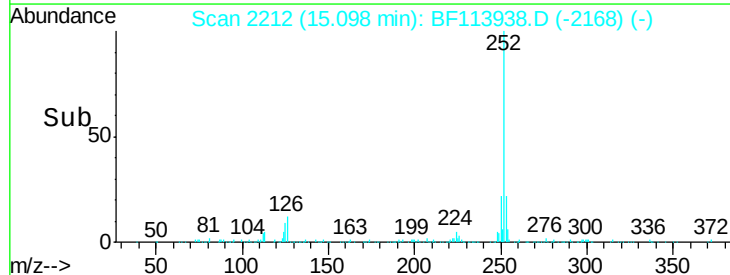
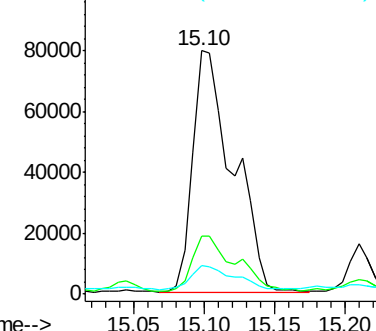
125 12.0 7.0 10.6#

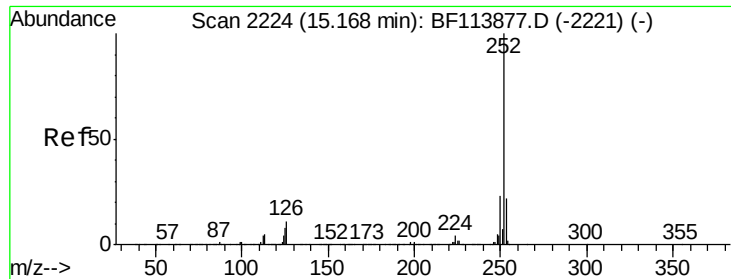


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

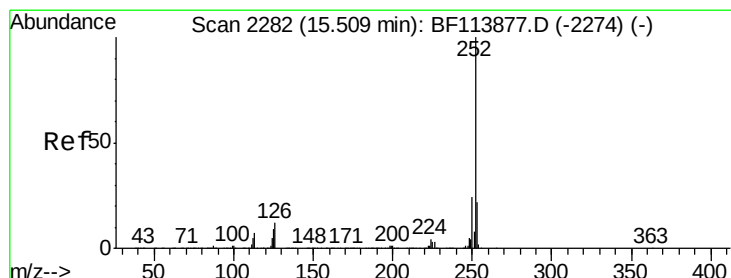
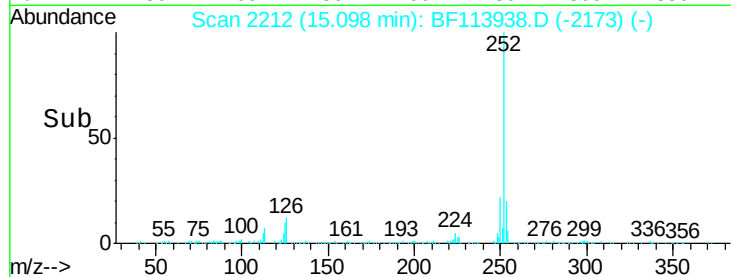
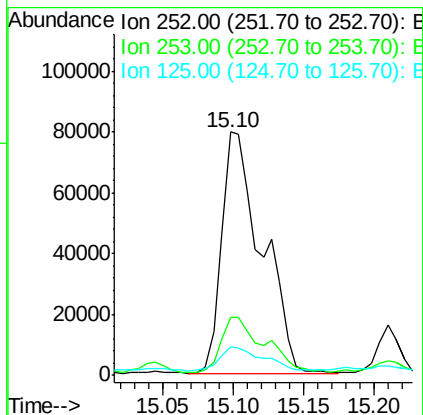
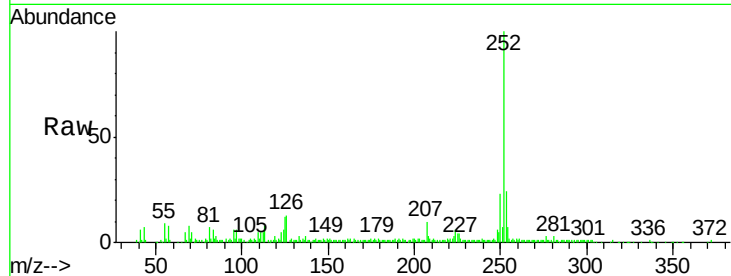




#89
Benzo(k)fluoranthene
Concen: 9.381 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.07 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

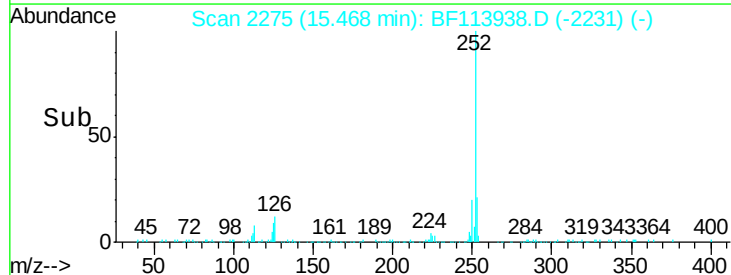
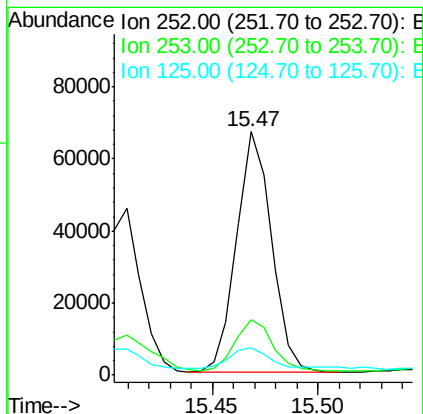
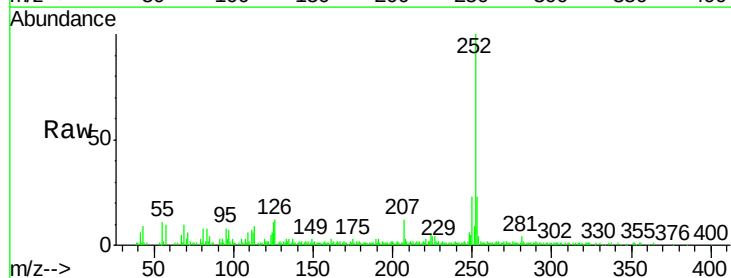
Instrument :
BNA_F
ClientSampleId :

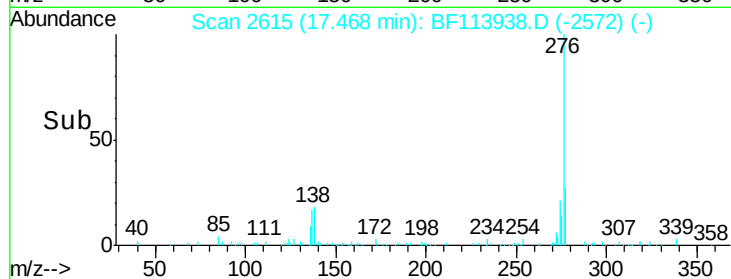
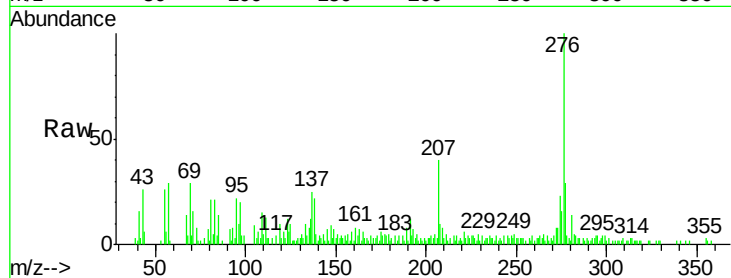
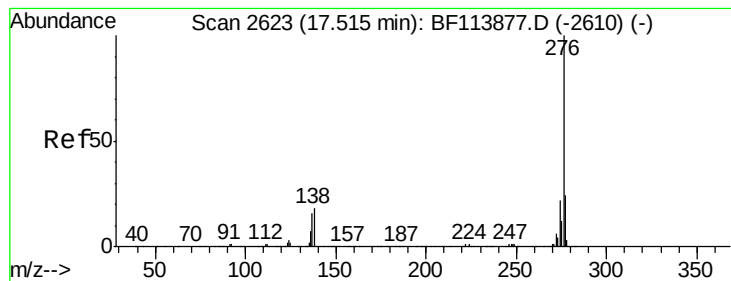
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	12.0	7.4	11.2



#90
Benzo(a)pyrene
Concen: 4.555 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.04 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	11.3	8.5	12.7





#92

Benzo(a,h,i)perylene

Concen: 2.404 ng

RT: 17.47 min Scan# 2615

Delta R.T. -0.05 min

Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 38675

Ion Ratio Lower Upper

276 100

277 29.1 19.0 28.4#

138 21.5 16.6 25.0

