

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032219\
 Data File : BF113239.D
 Acq On : 22 Mar 2019 17:22
 Operator : JU/SJ
 Sample : K2004-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 22 23:27:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	168414	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	584978	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	286099	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	477377	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	346820	20.00	ng	0.00
87) Perylene-d12	15.29	264	399972	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1129634	104.34	ng	-0.01
7) Phenol-d6	6.36	99	1550019	113.97	ng	-0.01
23) Nitrobenzene-d5	7.28	82	924467	94.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	428220	140.99	ng	-0.01
45) 2-Fluorobiphenyl	9.07	172	1635670	99.00	ng	-0.02
79) Terphenyl-d14	12.82	244	1292638	72.25	ng	0.00

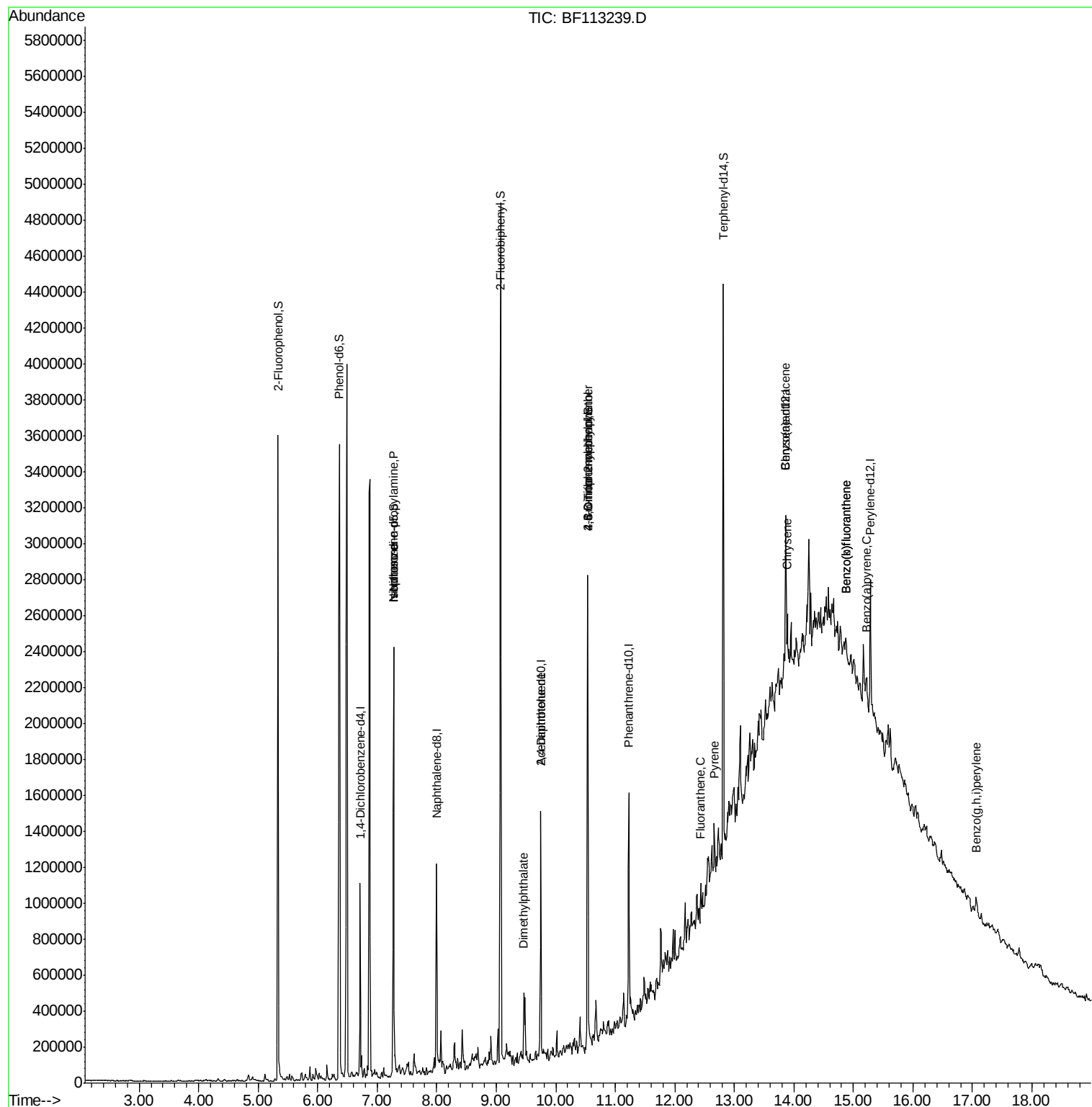
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	126797	14.721	ng	# 77
25) Isophorone	7.28	82	904104	42.928	ng	# 66
50) Dimethylphthalate	9.46	163	145234	6.885	ng	# 99
57) 2,4-Dinitrotoluene	9.75	165	36868	6.752	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.54	198	834	4.997	ng	# 1
67) 4-Bromophenyl-phenylether	10.54	248	24351	4.843	ng	# 1
75) Fluoranthene	12.44	202	52772	2.074	ng	# 94
78) Pyrene	12.66	202	144344	4.937	ng	# 95
81) Benzo(a)anthracene	13.86	228	96179	4.001	ng	# 80
83) Chrysene	13.89	228	129474	5.499	ng	# 78
88) Benzo(b)fluoranthene	14.88	252	69938	2.703	ng	# 51
89) Benzo(k)fluoranthene	14.88	252	69938	2.984	ng	# 51
90) Benzo(a)pyrene	15.22	252	83716	3.658	ng	# 61
92) Benzo(a,h,i)perylene	17.06	276	80123	4.086	ng	# 89

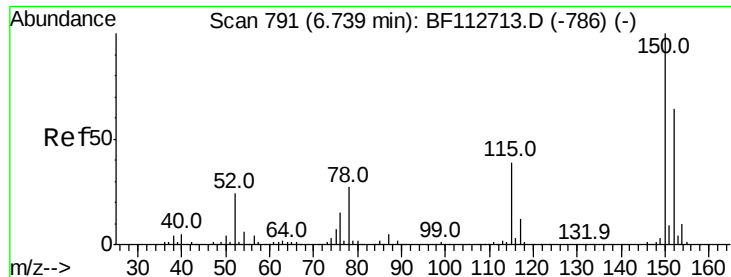
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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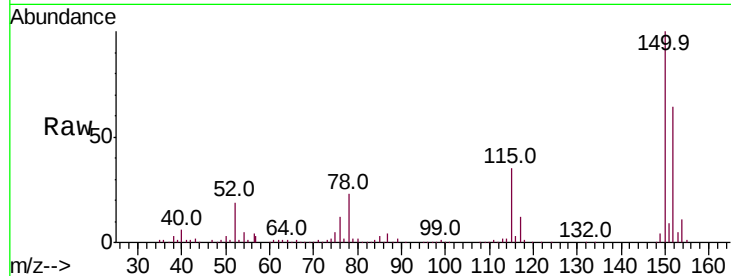


#1

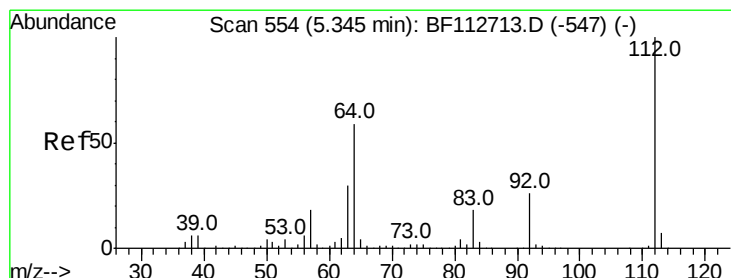
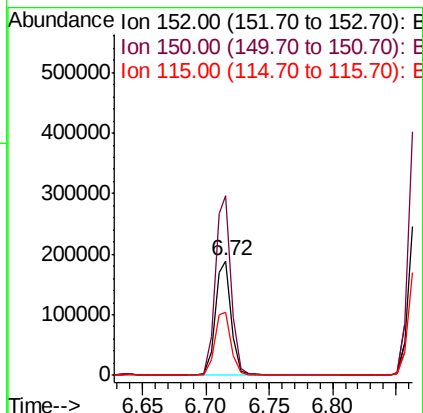
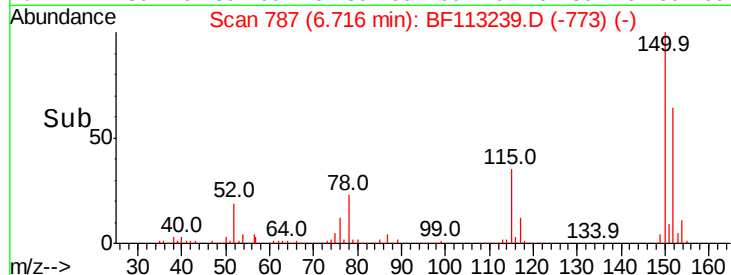
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.02 min
Lab File: BF113239.D
Acq: 22 Mar 2019 17:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 168414
Ion Ratio Lower Upper
152 100
150 156.3 124.2 186.2
115 55.4 48.2 72.4



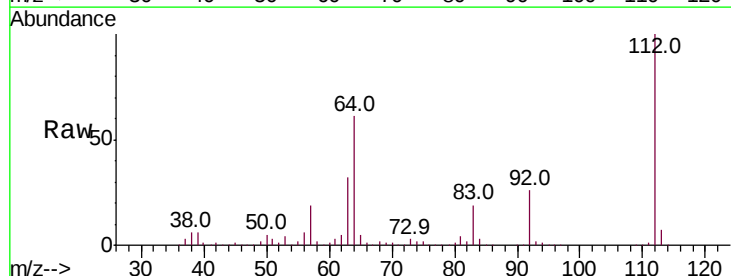
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



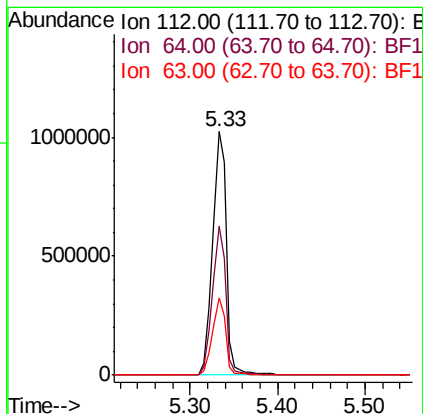
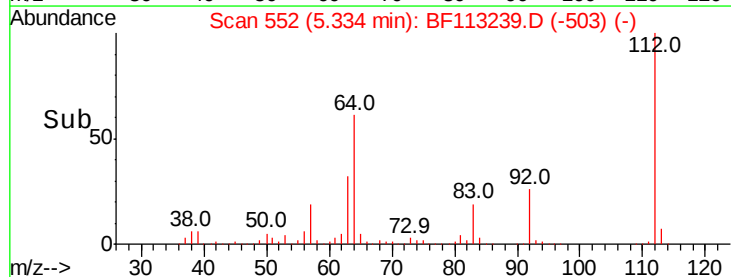
#5

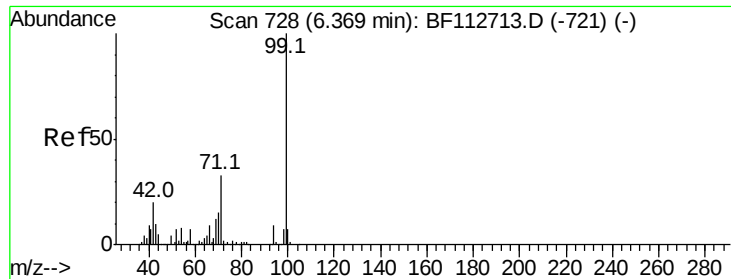
2-Fluorophenol
Concen: 104.338 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113239.D
Acq: 22 Mar 2019 17:22

Tgt Ion:112 Resp: 1129634
Ion Ratio Lower Upper
112 100
64 61.0 47.6 71.4
63 31.6 24.4 36.6



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: 113.971 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113239.D

Acq: 22 Mar 2019 17:22

Instrument :

BNA_F

ClientSampleId :

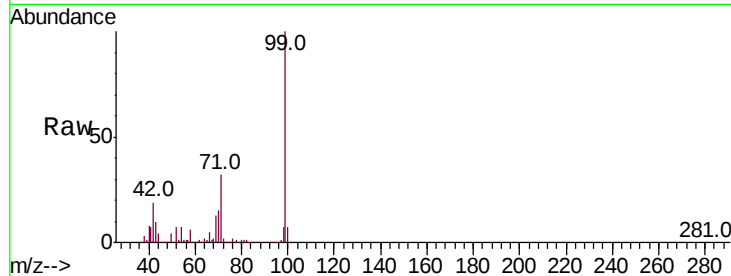
Tot Ion: 99 Resp: 1550019

Ion Ratio Lower Upper

99 100

42 19.0 16.3 24.5

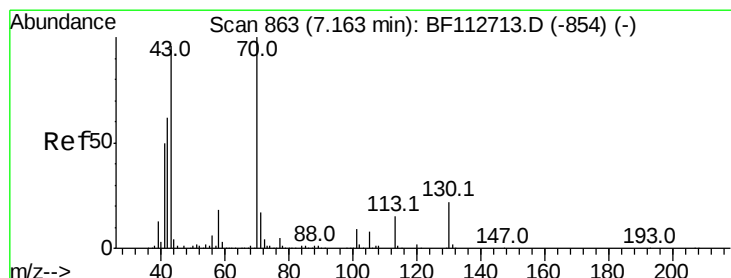
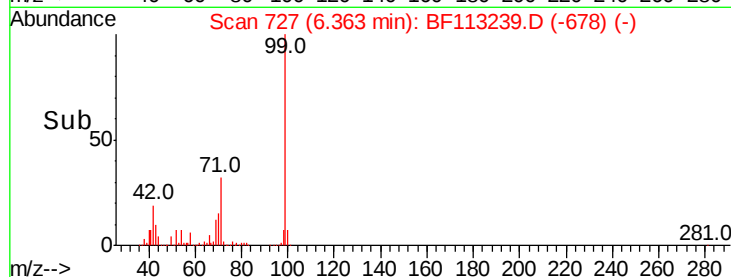
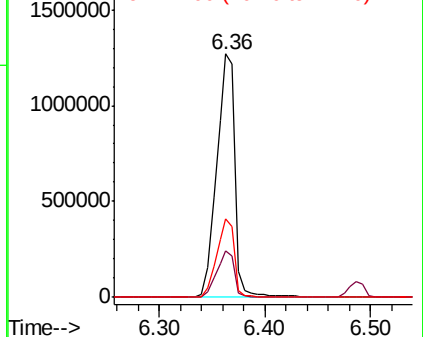
71 32.3 26.2 39.4



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: 14.721 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.12 min

Lab File: BF113239.D

Acq: 22 Mar 2019 17:22

Tgt Ion: 70 Resp: 126797

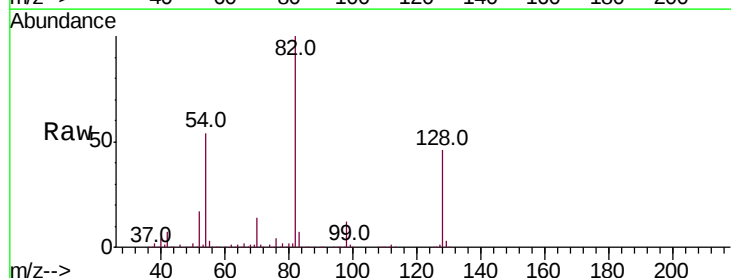
Ion Ratio Lower Upper

70 100

42 50.4 49.9 74.9

101 0.0 7.4 11.2#

130 2.2 17.4 26.2#

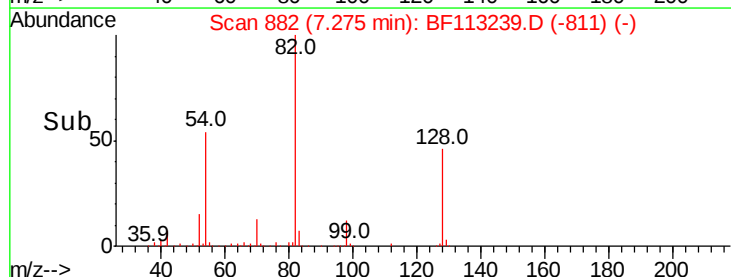
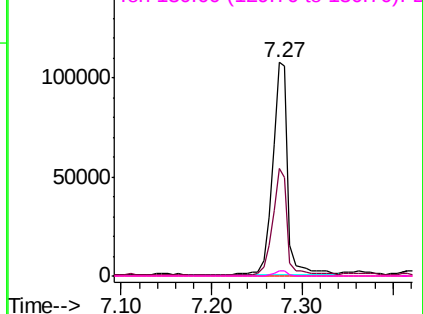


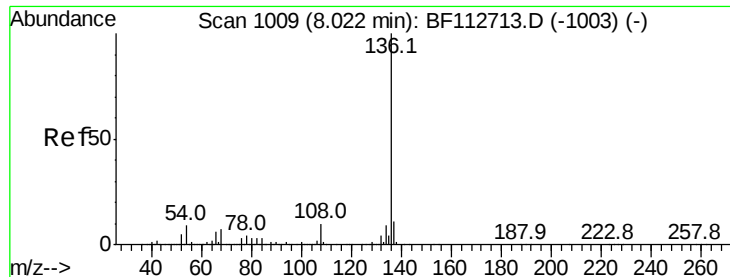
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

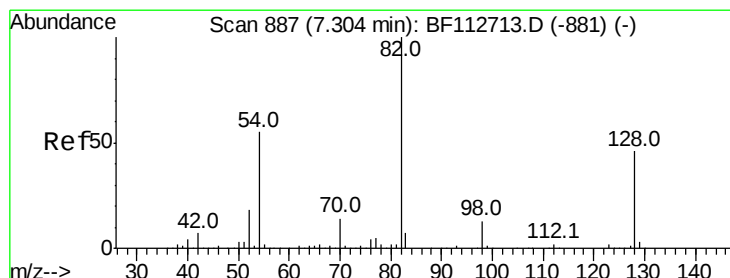
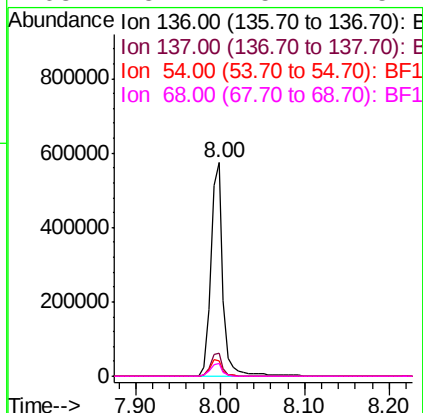
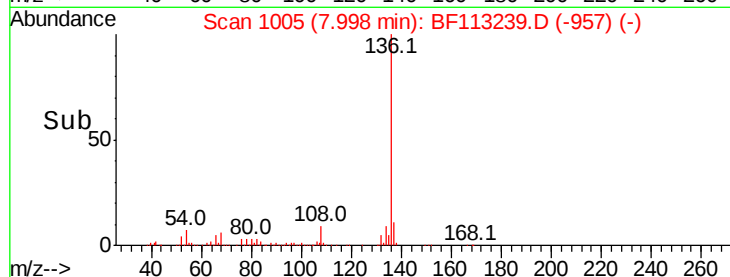
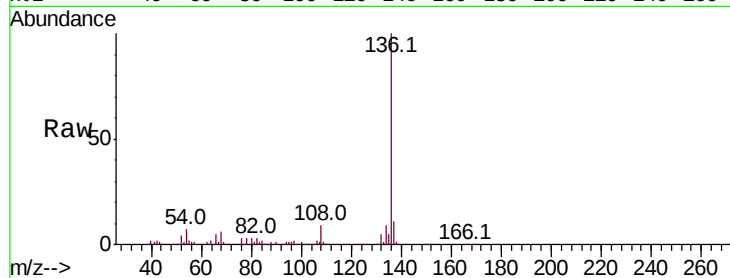




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF113239.D
Acq: 22 Mar 2019 17:22

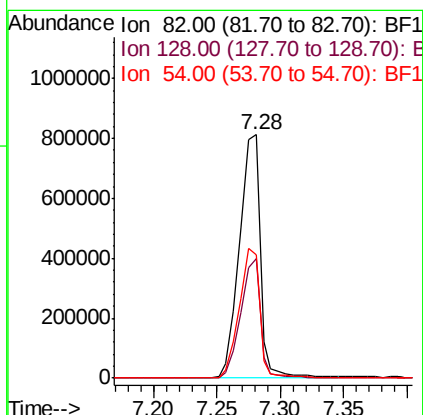
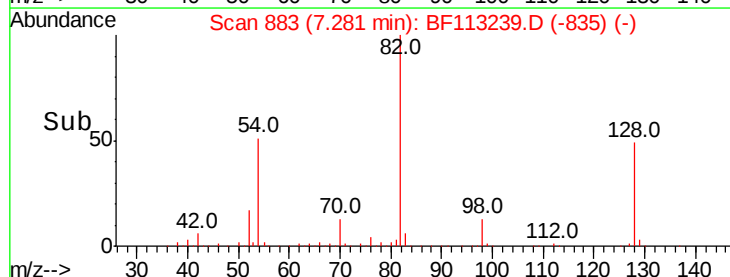
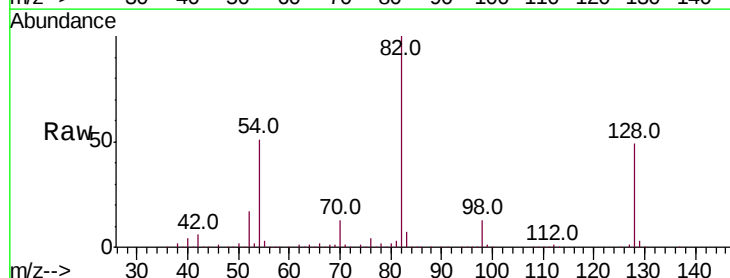
Instrument :
BNA_F
ClientSampleId :

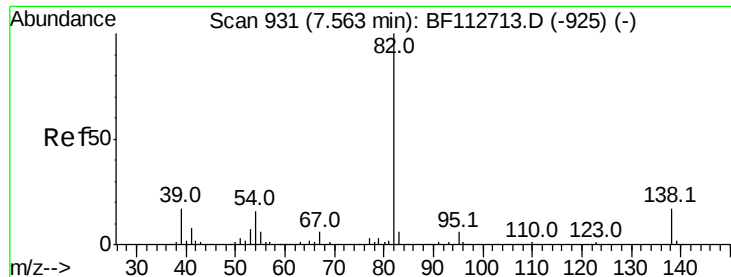
Tot Ion:136	Resp: 584978
Ion Ratio	Lower Upper
136 100	
137 10.8	8.9 13.3
54 7.5	7.3 10.9
68 5.7	5.4 8.2



#23
Nitrobenzene-d5
Concen: 94.565 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113239.D
Acq: 22 Mar 2019 17:22

Tgt Ion: 82	Resp: 924467
Ion Ratio	Lower Upper
82 100	
128 48.9	36.3 54.5
54 50.7	43.7 65.5





#25

Isophorone

Concen: 42.928 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF113239.D

Acq: 22 Mar 2019 17:22

Instrument :

BNA_F

ClientSampleId :

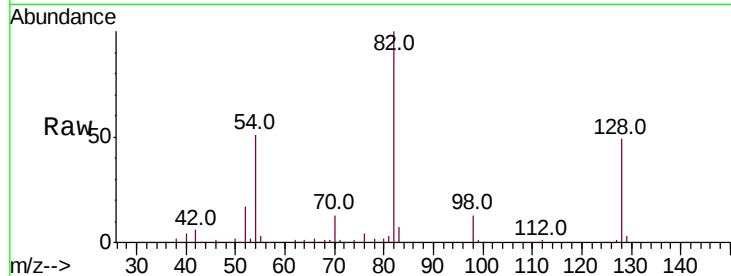
Tot Ion: 82 Resp: 904104

Ion Ratio Lower Upper

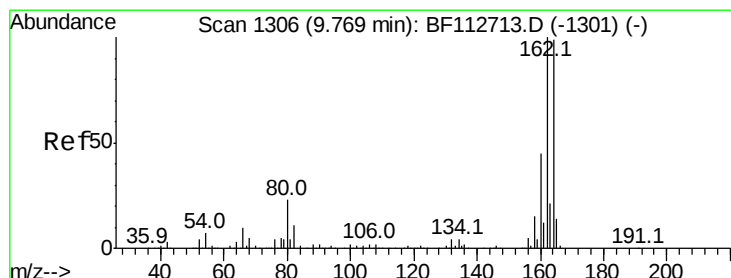
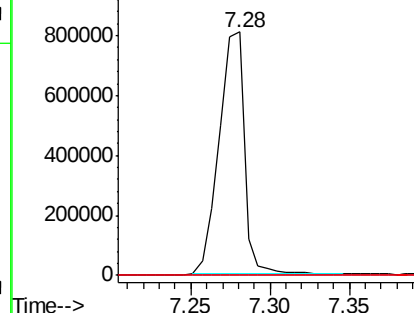
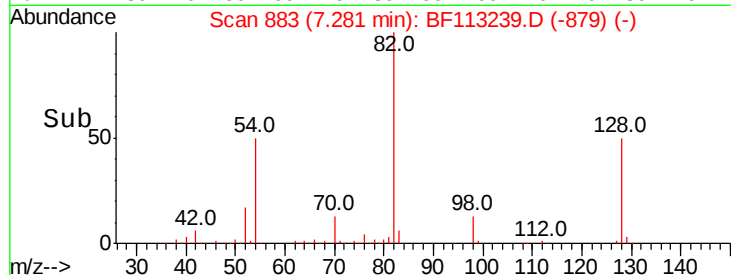
82 100

95 0.1 5.2 7.8#

138 0.0 13.8 20.8#



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: 9.75 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF113239.D

Acq: 22 Mar 2019 17:22

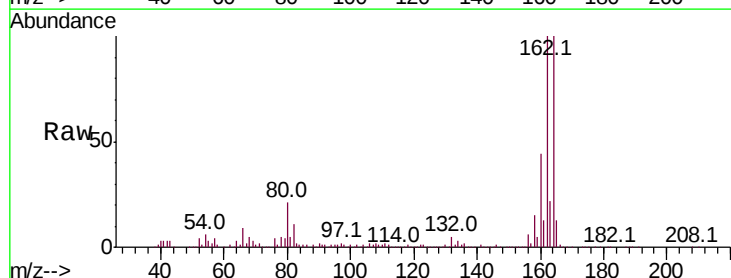
Tgt Ion:164 Resp: 286099

Ion Ratio Lower Upper

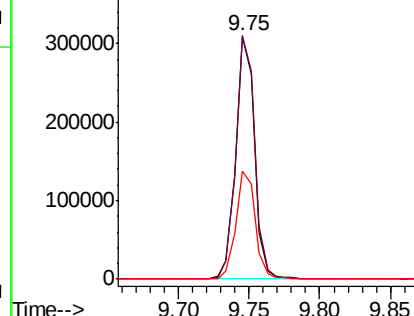
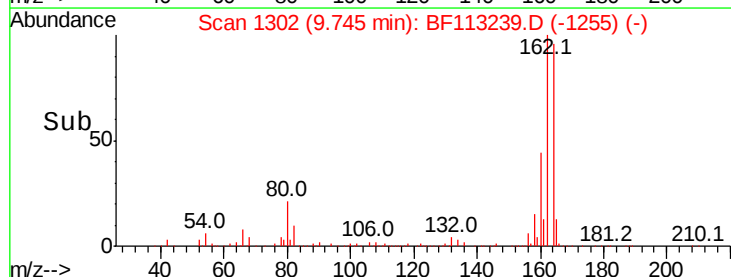
164 100

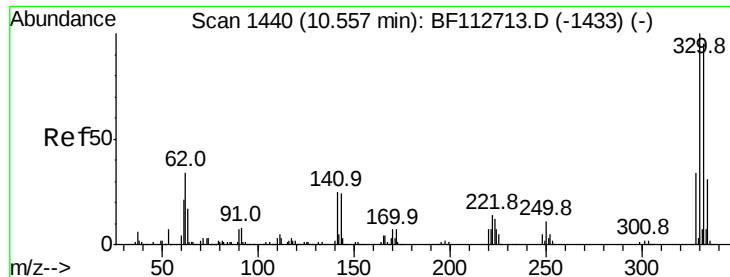
162 100.4 80.6 120.8

160 44.5 36.0 54.0



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

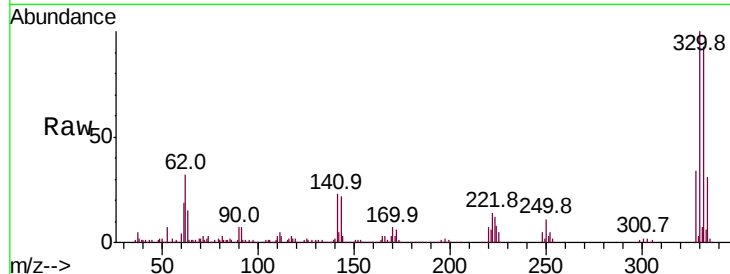




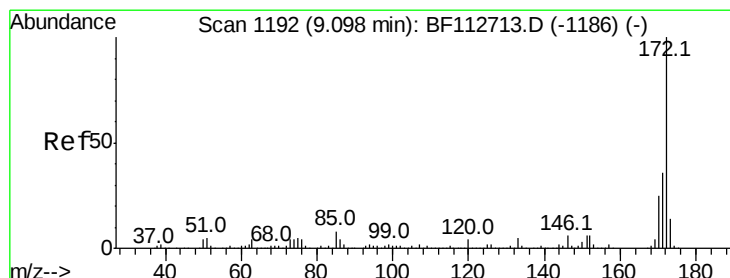
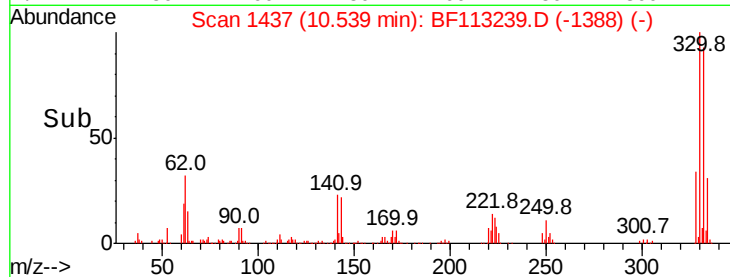
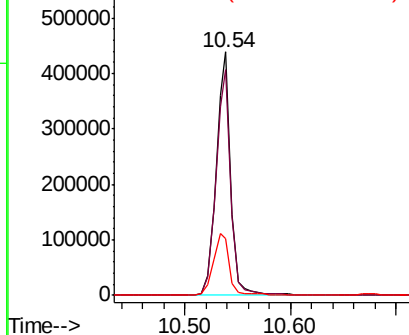
#42
 2,4,6-Tribromophenol
 Concen: 140.987 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113239.D
 Acq: 22 Mar 2019 17:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 428220
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.2 114.4
 141 28.4 27.0 40.6

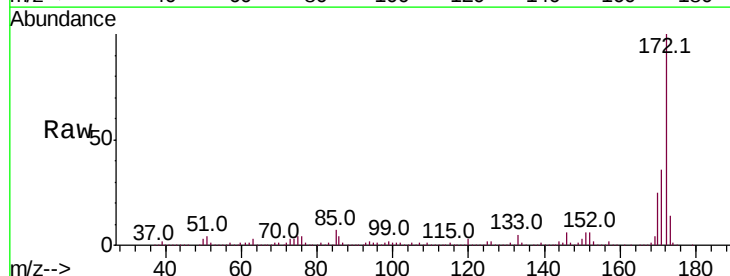


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

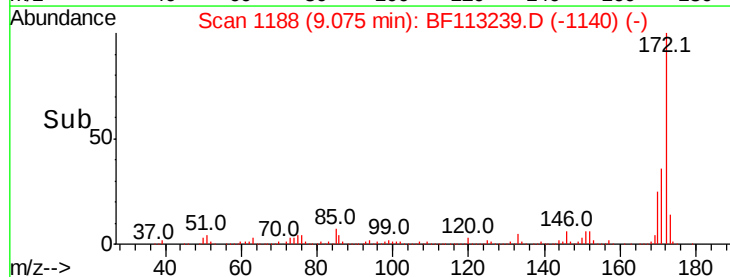
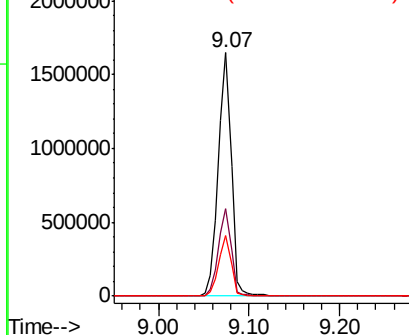


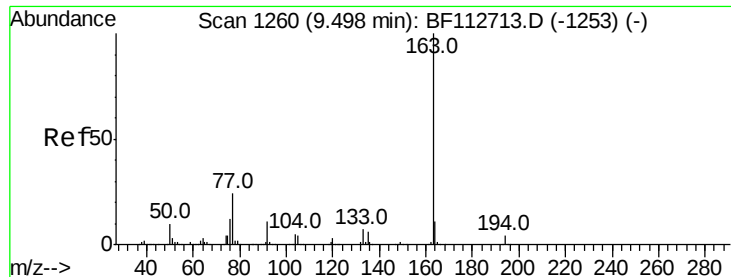
#45
 2-Fluorobiphenyl
 Concen: 98.998 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF113239.D
 Acq: 22 Mar 2019 17:22

Tgt Ion:172 Resp: 1635670
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.4
 170 24.8 20.0 30.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.885 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.04 min

Lab File: BF113239.D

Acq: 22 Mar 2019 17:22

Instrument :

BNA_F

ClientSampleId :

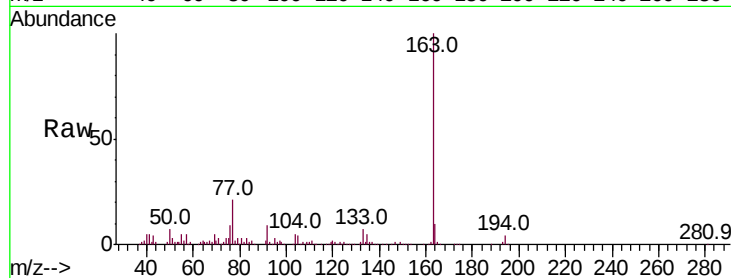
Tot Ion:163 Resp: 145234

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

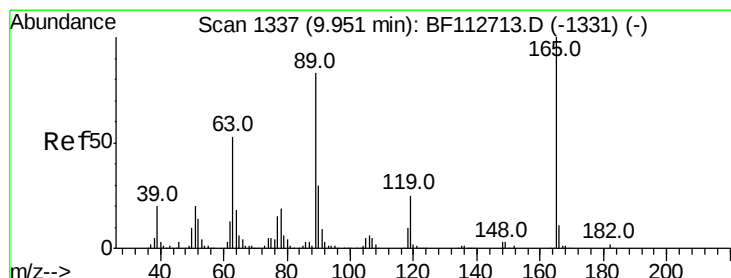
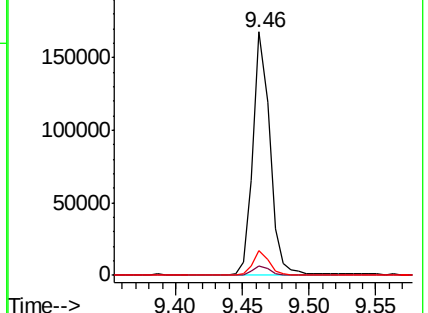
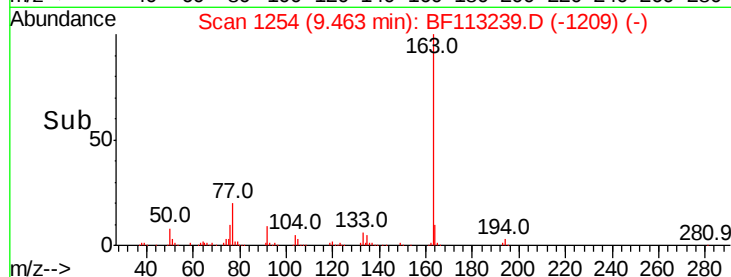
164 10.0 8.4 12.6



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: 6.752 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF113239.D

Acq: 22 Mar 2019 17:22

Tgt Ion:165 Resp: 36868

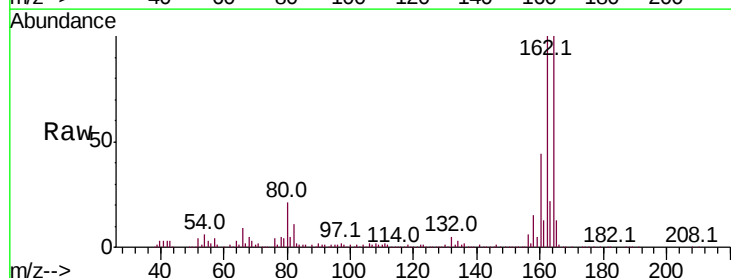
Ion Ratio Lower Upper

165 100

63 1.3 42.2 63.2#

89 1.5 66.2 99.4#

182 1.0 1.8 2.6#

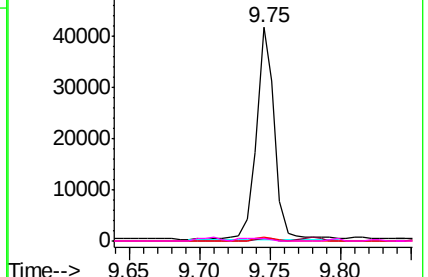
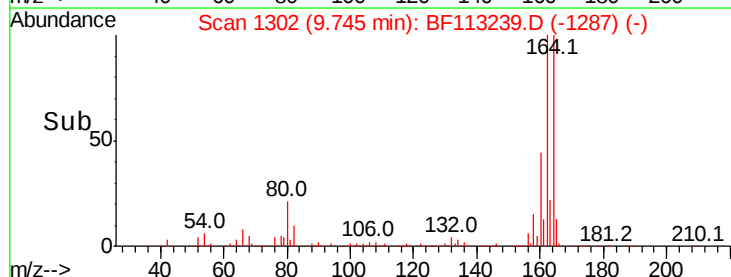


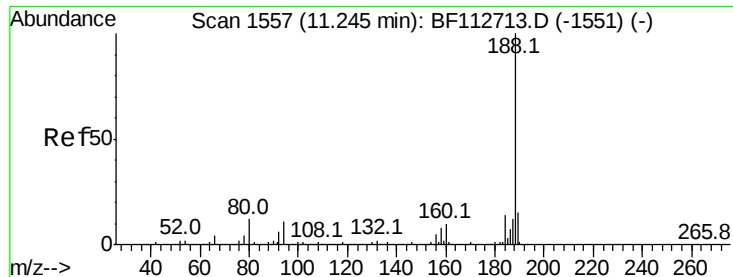
Abundance Ion 165.00 (164.70 to 165.70): E

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

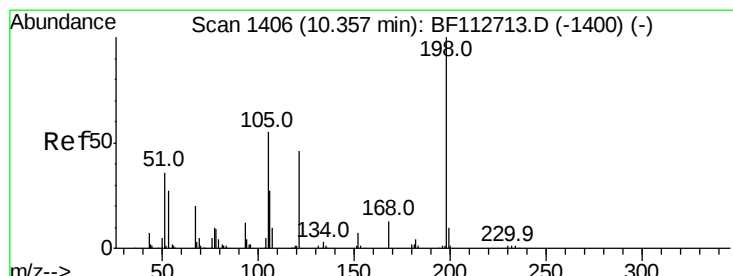
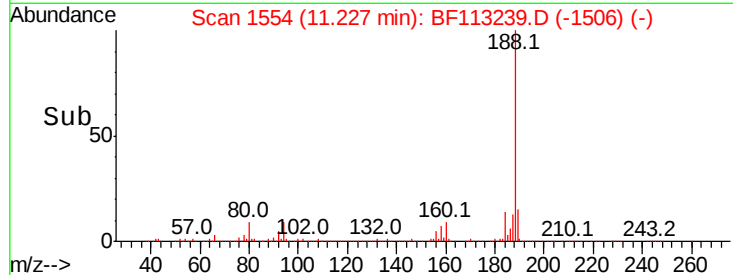
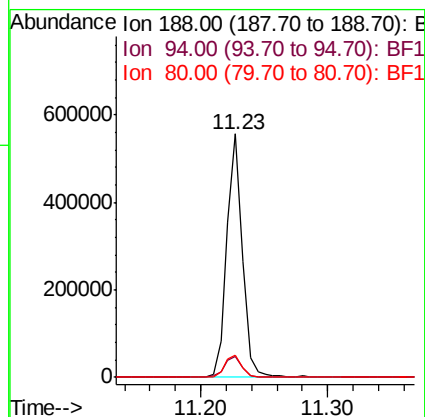
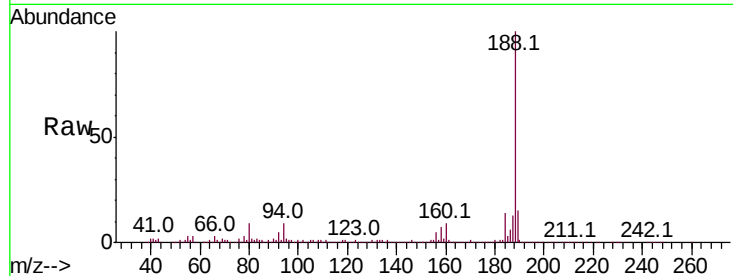




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF113239.D
Acq: 22 Mar 2019 17:22

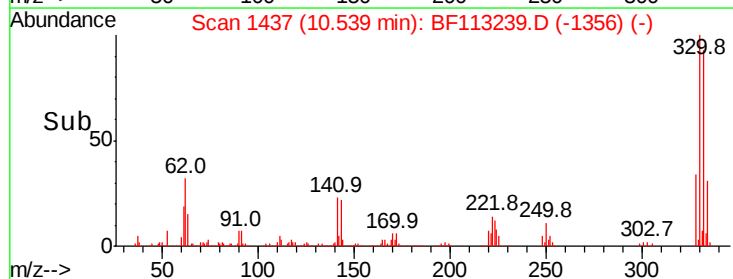
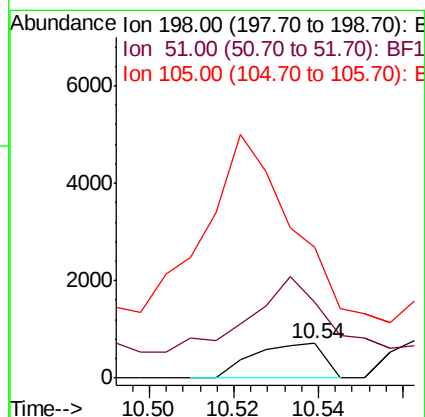
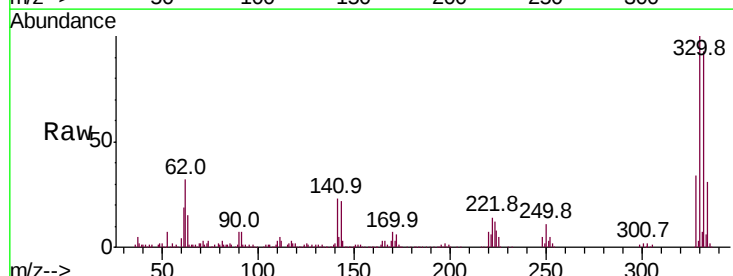
Instrument :
BNA_F
ClientSampleId :

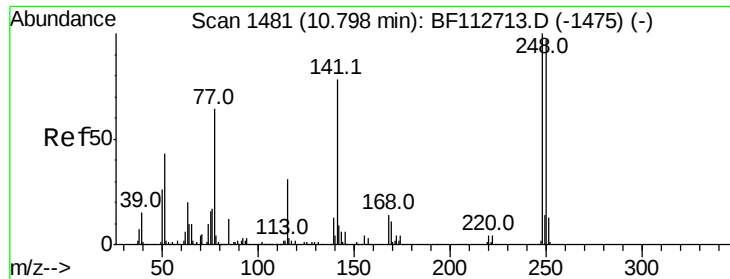
Tot Ion:188 Resp: 477377
Ion Ratio Lower Upper
188 100
94 8.8 9.0 13.4#
80 9.3 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.997 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF113239.D
Acq: 22 Mar 2019 17:22

Tgt Ion:198 Resp: 834
Ion Ratio Lower Upper
198 100
51 219.9 43.8 83.8#
105 377.8 36.5 76.5#

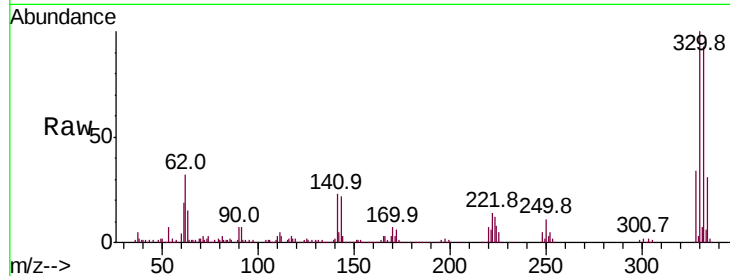




#67
 4-Bromophenyl-phenylether
 Concen: 4.843 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.25 min
 Lab File: BF113239.D
 Acq: 22 Mar 2019 17:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	204.1	77.5	116.3#
141	441.2	62.4	93.6#

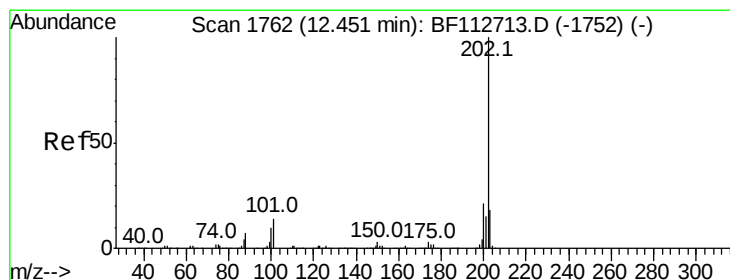
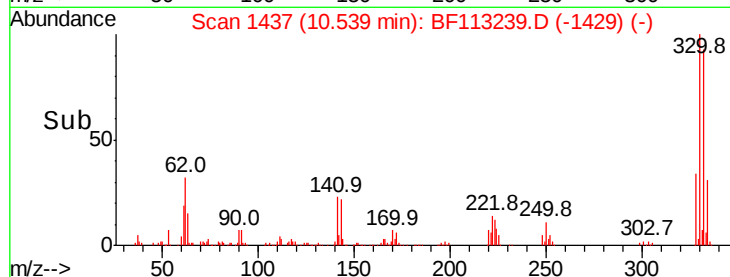
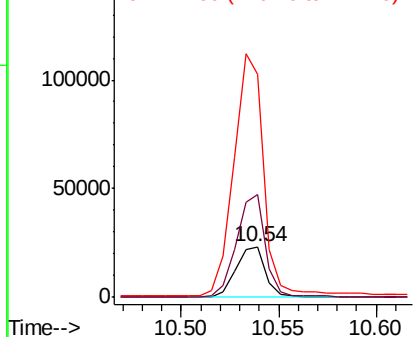


Abundance

Ion 248.00 (247.70 to 248.70): E

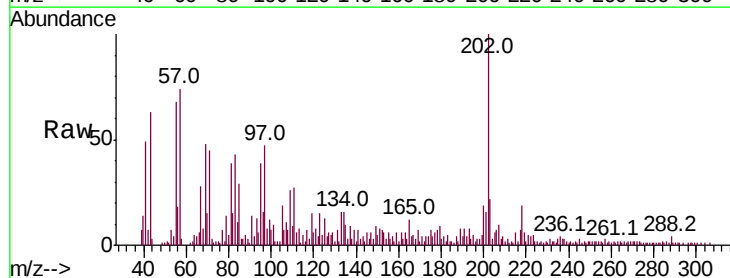
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75
 Fluoranthene
 Concen: 2.074 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BF113239.D
 Acq: 22 Mar 2019 17:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.8
203	21.7	0.0	38.4

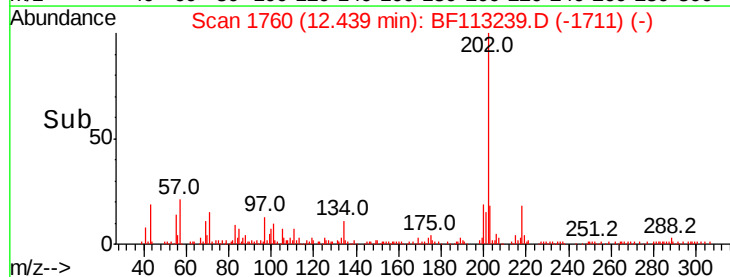
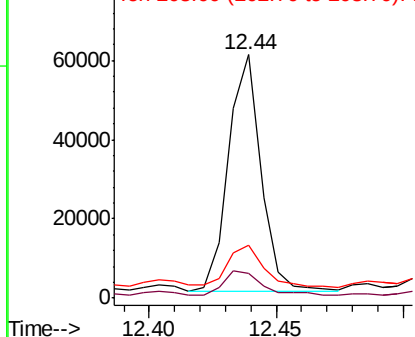


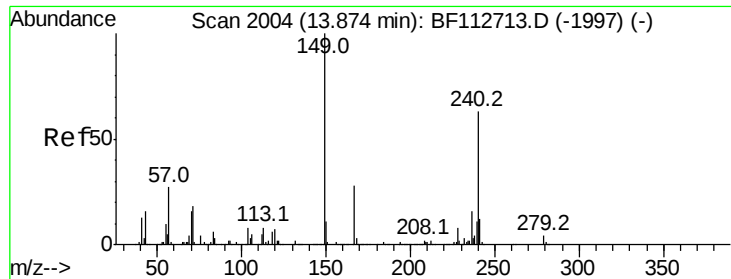
Abundance

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

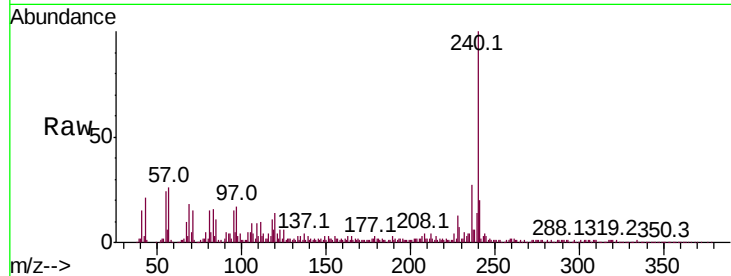




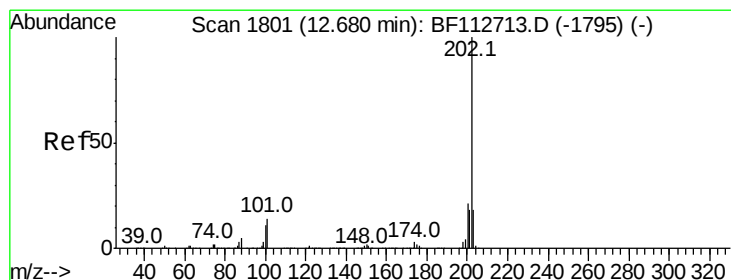
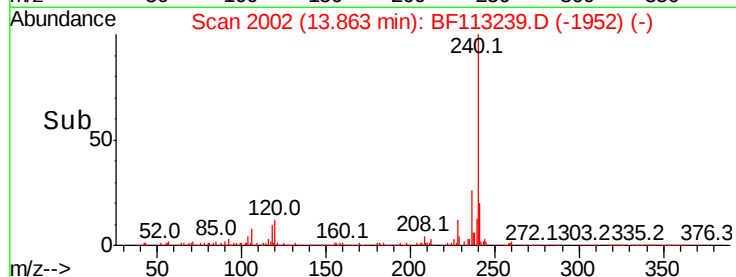
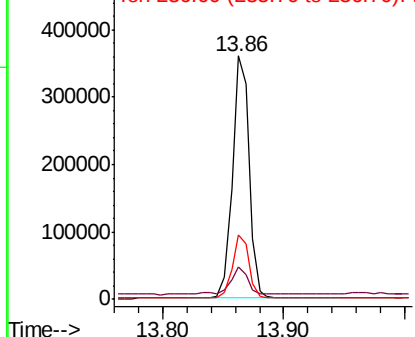
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113239.D
Acq: 22 Mar 2019 17:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 346820
Ion Ratio Lower Upper
240 100
120 13.5 8.9 13.3#
236 26.6 20.7 31.1

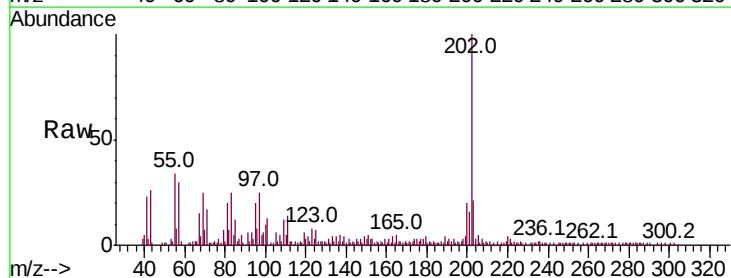


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

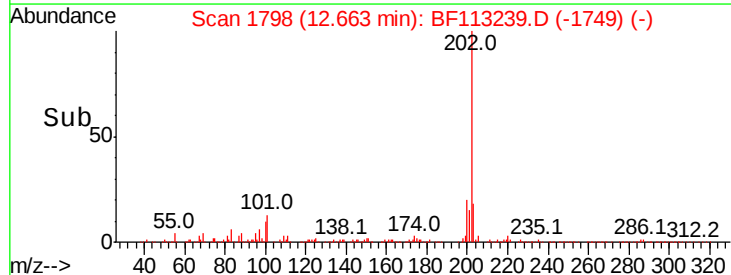
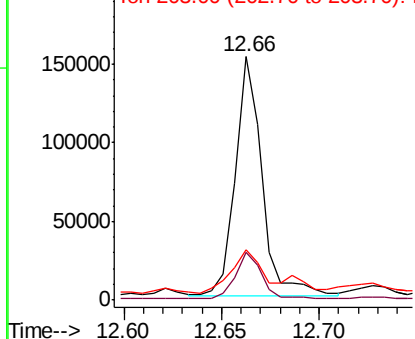


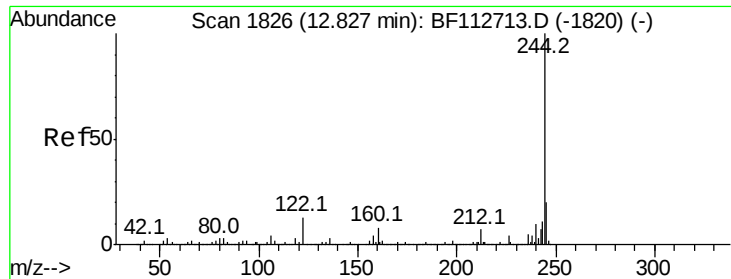
#78
Pyrene
Concen: 4.937 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF113239.D
Acq: 22 Mar 2019 17:22

Tgt Ion:202 Resp: 144344
Ion Ratio Lower Upper
202 100
200 19.8 17.0 25.4
203 20.8 14.4 21.6



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

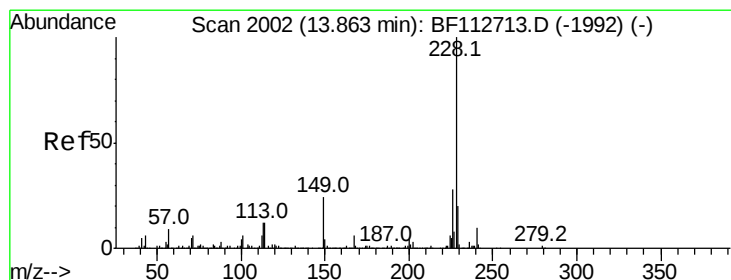
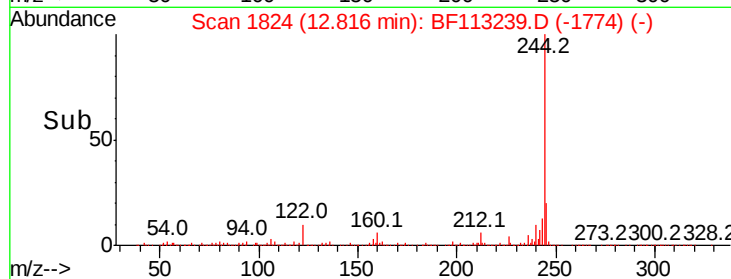
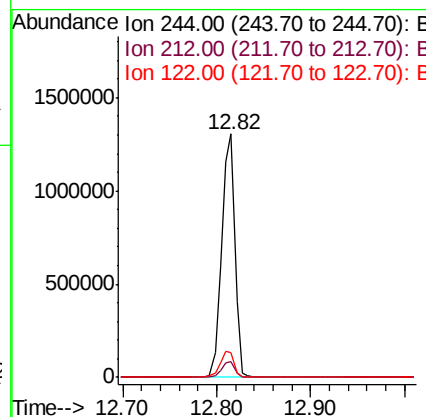
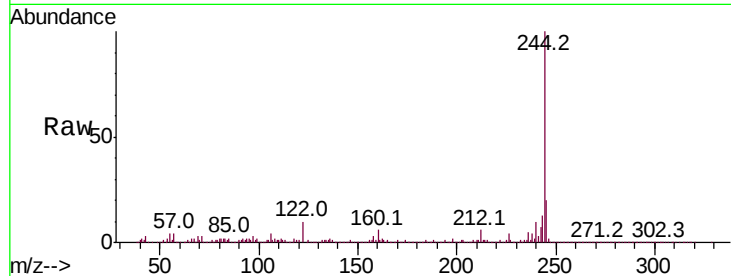




#79
 Terphenyl-d14
 Concen: 72.250 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113239.D
 Acq: 22 Mar 2019 17:22

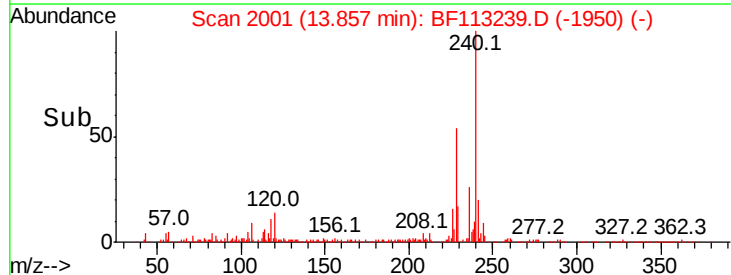
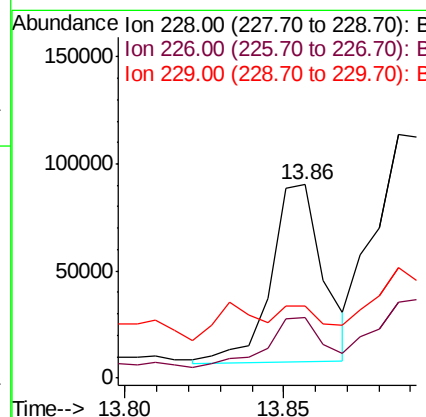
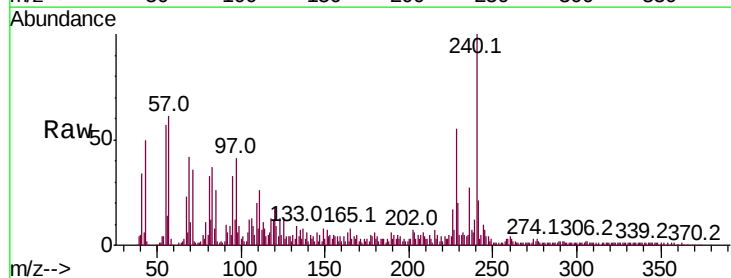
Instrument :
 BNA_F
 ClientSampleId :

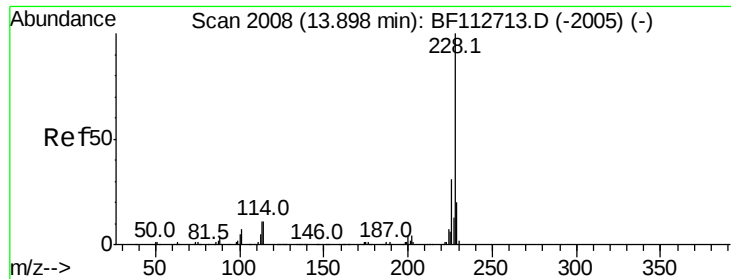
Tot Ion:244 Resp: 1292638
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.2 10.5 15.7#



#81
 Benzo(a)anthracene
 Concen: 4.001 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: BF113239.D
 Acq: 22 Mar 2019 17:22

Tgt Ion:228 Resp: 96179
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.2 33.4
 229 37.1 16.0 24.0#

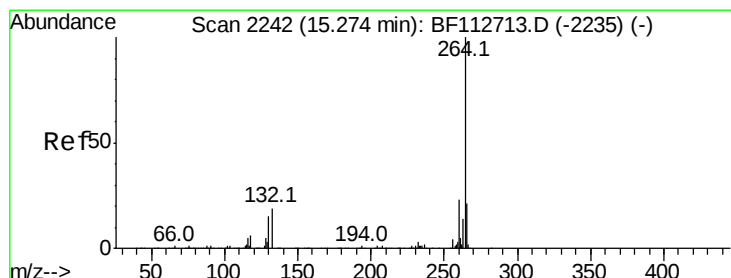
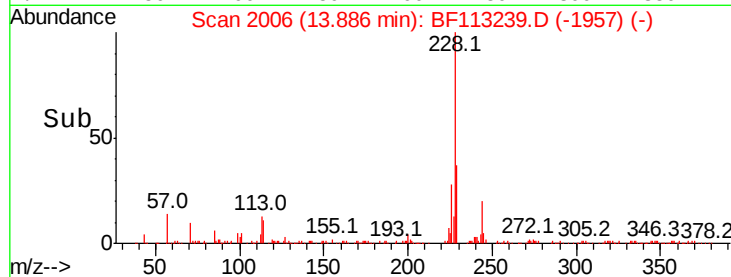
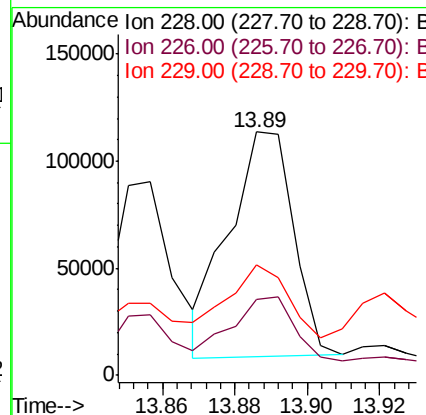
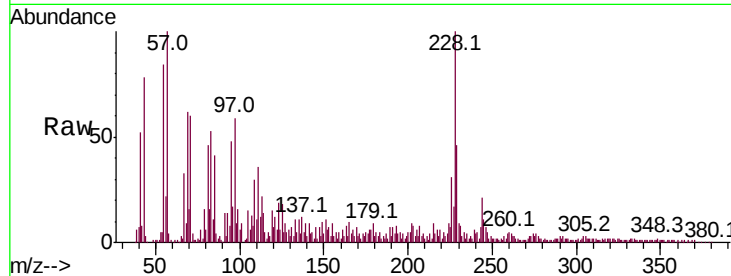




#83
Chrysene
Concen: 5.499 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113239.D
Acq: 22 Mar 2019 17:22

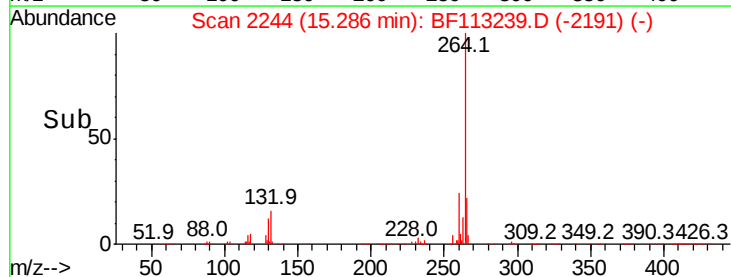
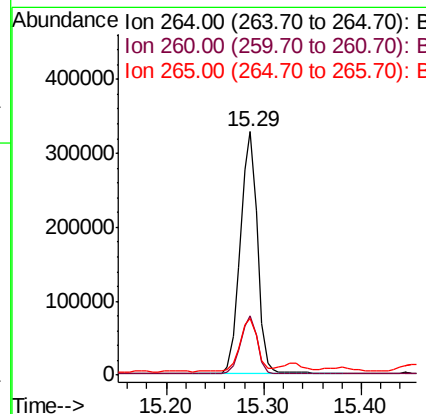
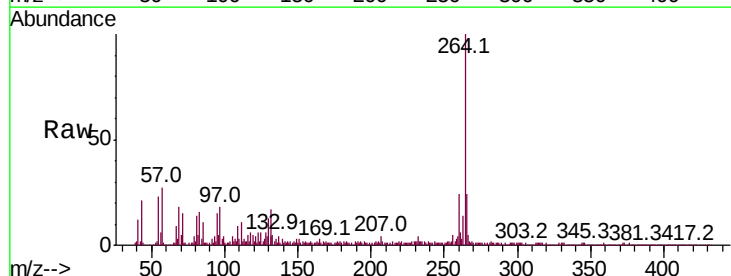
Instrument :
BNA_F
ClientSampleId :

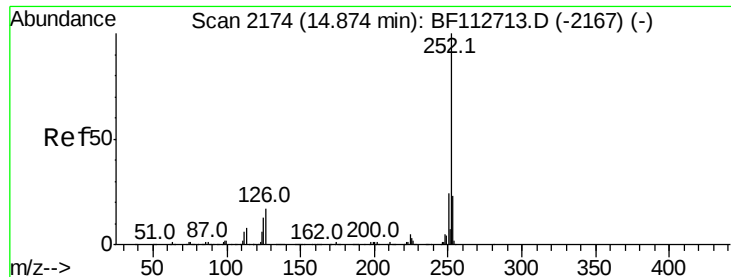
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	45.6	16.3	24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF113239.D
Acq: 22 Mar 2019 17:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	23.5	17.2	25.8

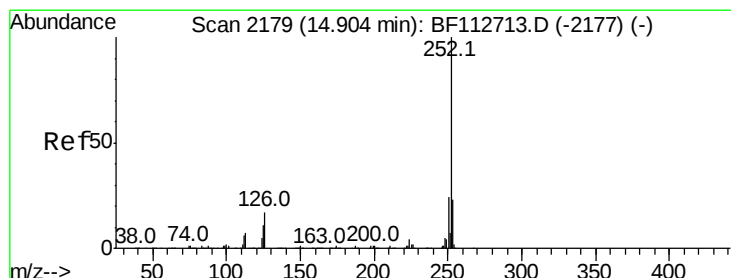
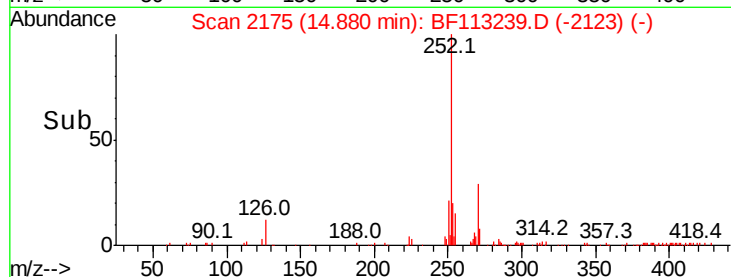
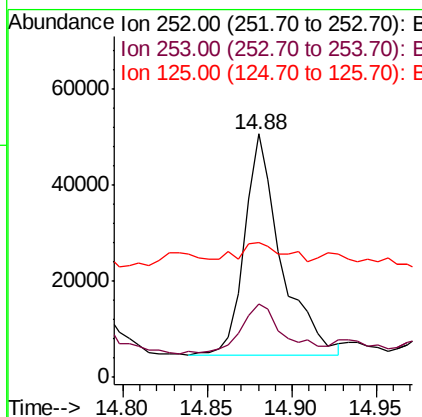
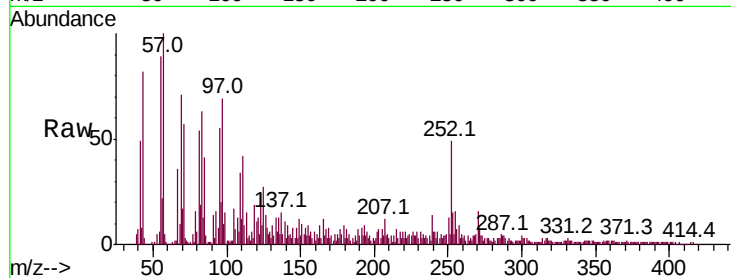




#88
Benzo(b)fluoranthene
Concen: 2.703 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113239.D
Acq: 22 Mar 2019 17:22

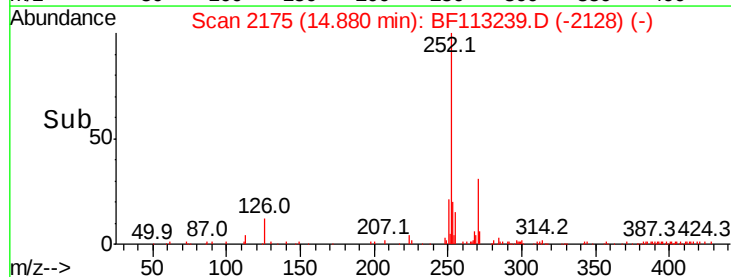
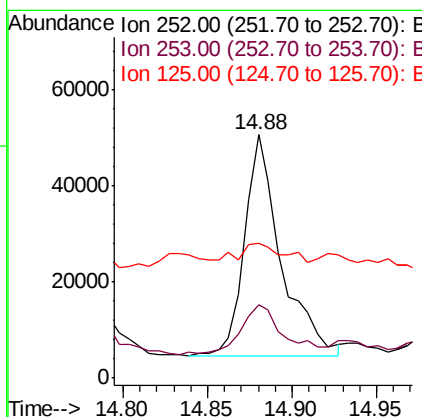
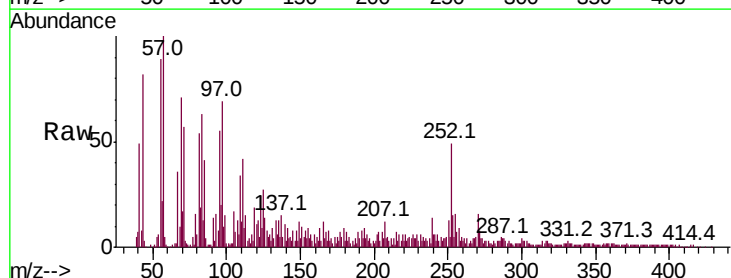
Instrument :
BNA_F
ClientSampleId :

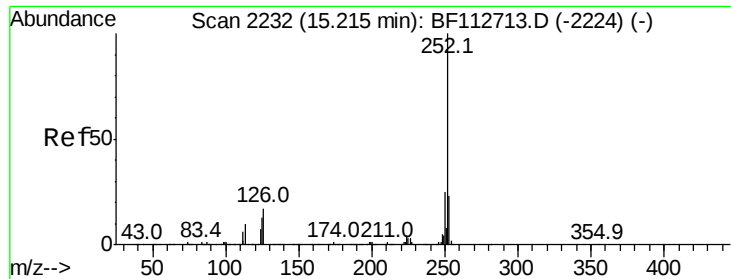
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.1	18.0	27.0#
125	55.6	10.2	15.2#



#89
Benzo(k)fluoranthene
Concen: 2.984 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF113239.D
Acq: 22 Mar 2019 17:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.1	18.2	27.2#
125	55.6	9.8	14.6#

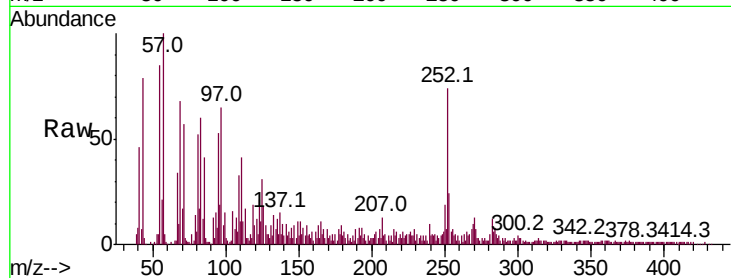




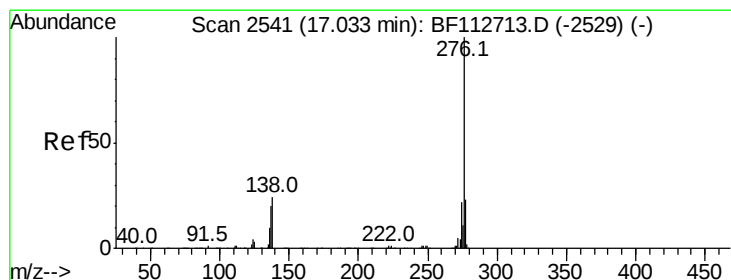
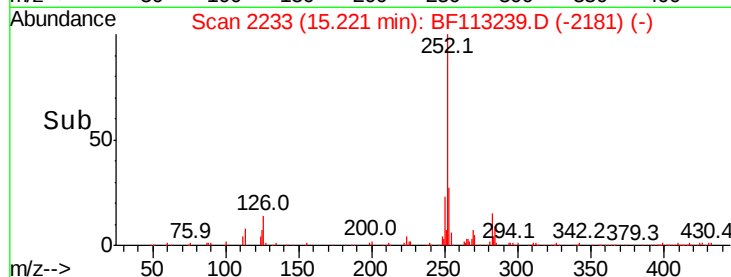
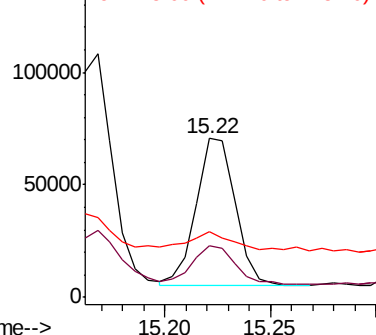
#90
Benzo(a)pyrene
Concen: 3.658 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF113239.D
Acq: 22 Mar 2019 17:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 83716
Ion Ratio Lower Upper
252 100
253 32.4 18.0 27.0#
125 41.6 10.7 16.1#

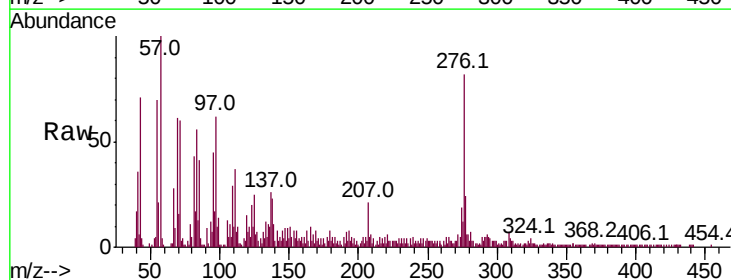


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.086 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.02 min
Lab File: BF113239.D
Acq: 22 Mar 2019 17:22

Tgt Ion:276 Resp: 80123
Ion Ratio Lower Upper
276 100
277 30.0 18.6 27.8#
138 28.0 19.4 29.0



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

