

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110117\
 Data File : BF100050.D
 Acq On : 1 Nov 2017 18:14
 Operator : SJ/JU
 Sample : I6200-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 18:44:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 18:13:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	83966	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	340243	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	148100	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	234595	20.00	ng	0.00
75) Chrysene-d12	13.96	240	160984	20.00	ng	-0.01
86) Perylene-d12	15.44	264	163201	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	101845	19.04	ng	0.01
7) Phenol-d6	6.43	99	129640	20.44	ng	0.00
23) Nitrobenzene-d5	7.35	82	68994	13.05	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	24631	18.25	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	152360	15.87	ng	0.00
78) Terphenyl-d14	12.89	244	105150	14.27	ng	-0.01

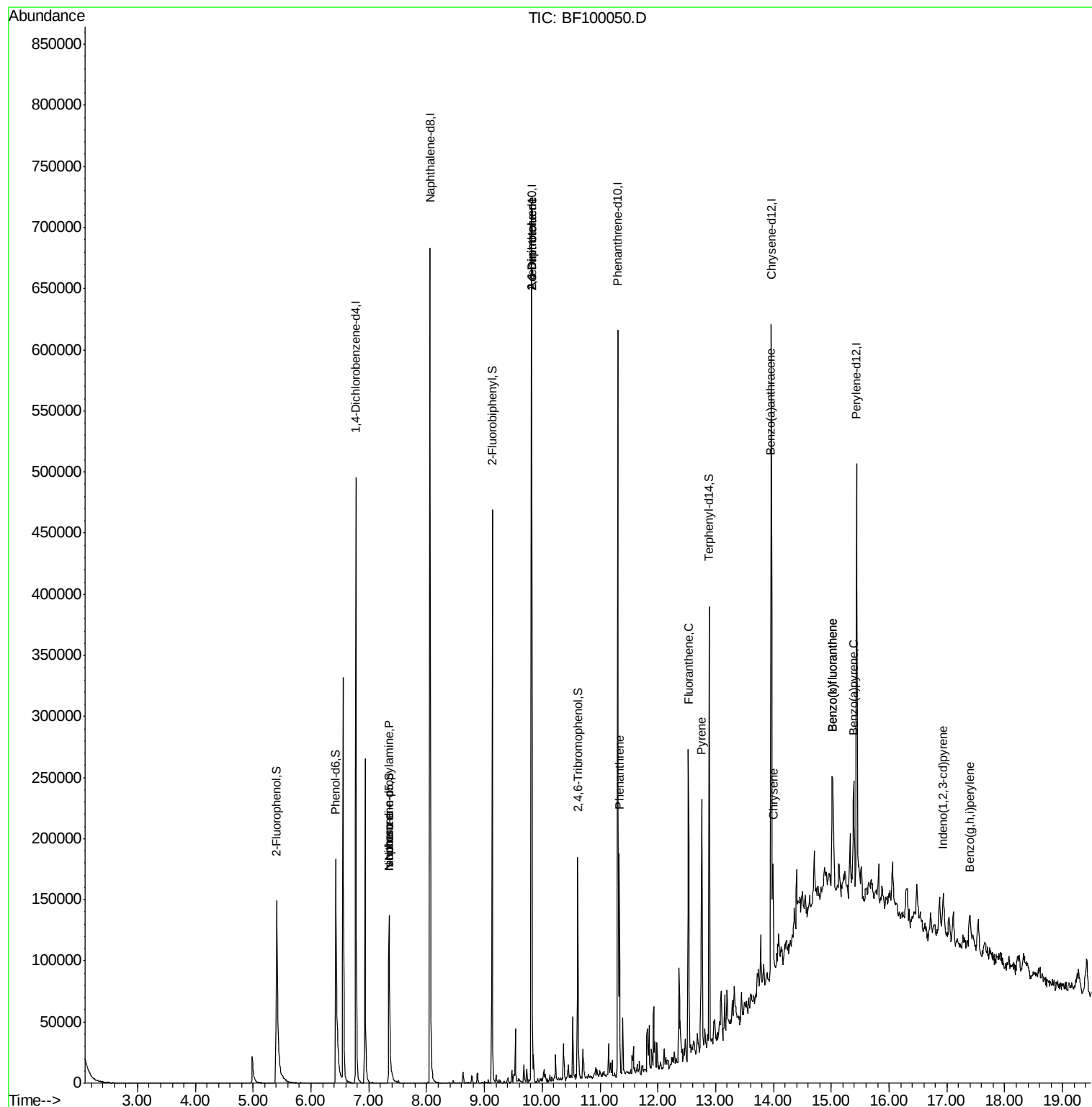
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.35	70	8157	2.195	ng	# 77
25) Isophorone	7.35	82	68994	7.195	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	19457	7.892	ng	# 24
56) 2,4-Dinitrotoluene	9.82	165	19457	6.553	ng	# 21
70) Phenanthrene	11.33	178	72290	5.460	ng	98
74) Fluoranthene	12.53	202	94798	6.890	ng	99
77) Pyrene	12.76	202	86322	7.052	ng	98
80) Benzo(a)anthracene	13.95	228	38665	3.789	ng	98
82) Chrysene	13.99	228	35227	3.672	ng	96
85) Indeno(1,2,3-cd)pyrene	16.94	276	19937	2.264	ng	# 86
87) Benzo(b)fluoranthene	15.02	252	59827	5.805	ng	# 90
88) Benzo(k)fluoranthene	15.02	252	59827	6.157	ng	# 93
89) Benzo(a)pyrene	15.39	252	31583	3.412	ng	# 90
91) Benzo(a,h,i)perylene	17.39	276	19439	2.416	ng	# 91

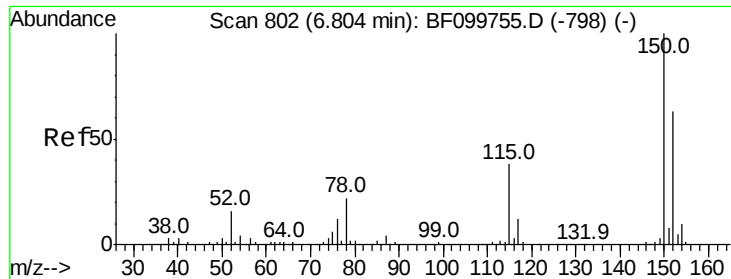
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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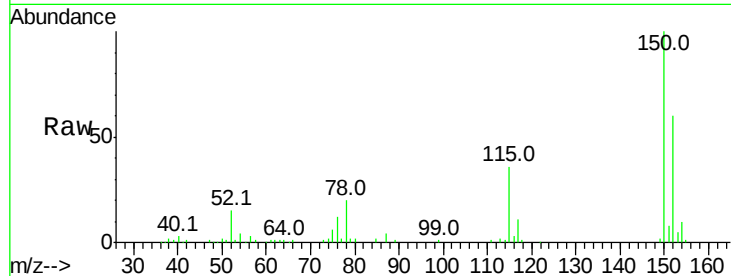


#1

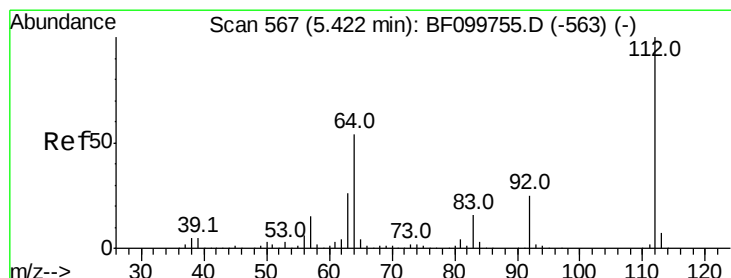
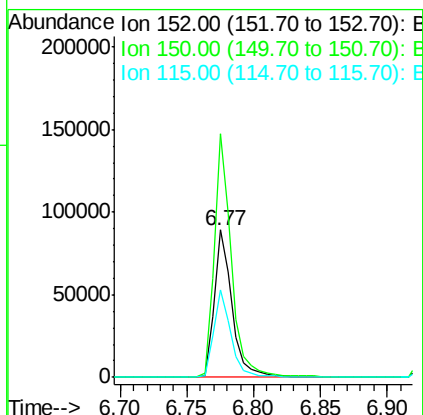
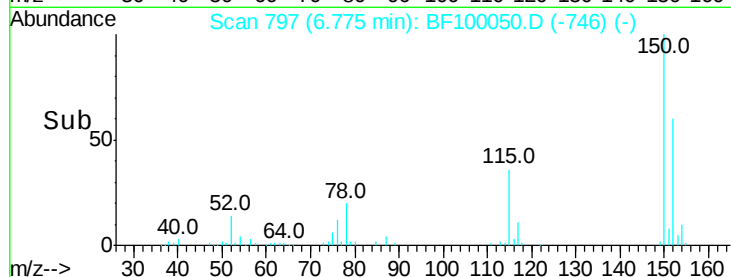
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.00 min
Lab File: BF100050.D
Acq: 1 Nov 2017 18:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 83966
Ion Ratio Lower Upper
152 100
150 165.3 124.6 186.8
115 59.7 50.1 75.1



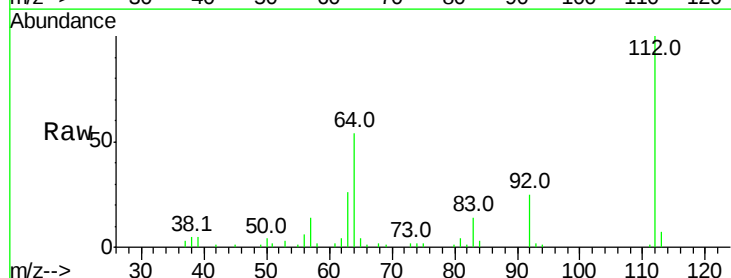
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



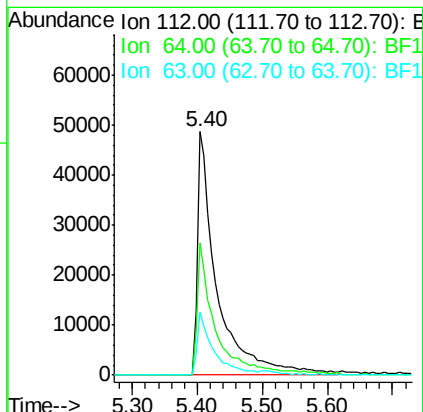
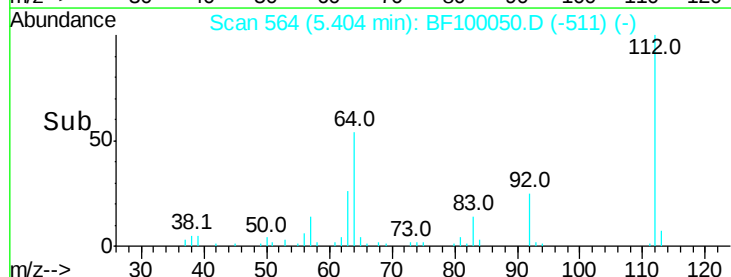
#5

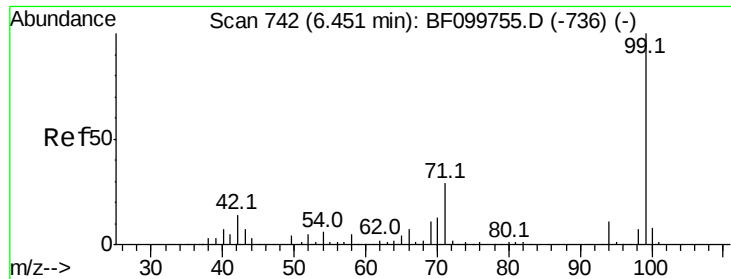
2-Fluorophenol
Concen: 19.043 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.01 min
Lab File: BF100050.D
Acq: 1 Nov 2017 18:14

Tgt Ion:112 Resp: 101845
Ion Ratio Lower Upper
112 100
64 54.4 47.9 71.9
63 25.8 23.7 35.5



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: 20.443 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF100050.D

Acq: 1 Nov 2017 18:14

Instrument :

BNA_F

ClientSampled :

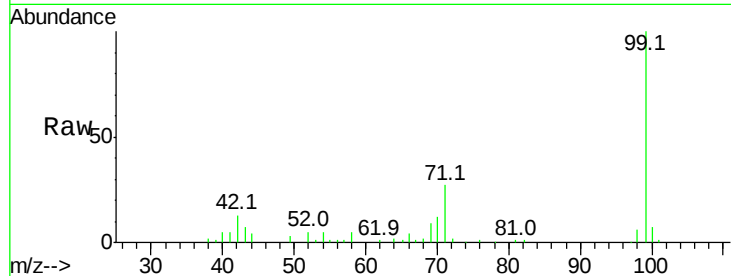
Tot Ion: 99 Resp: 129640

Ion Ratio Lower Upper

99 100

42 12.7 14.5 21.7#

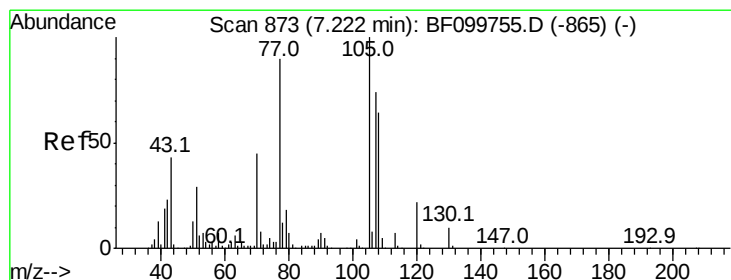
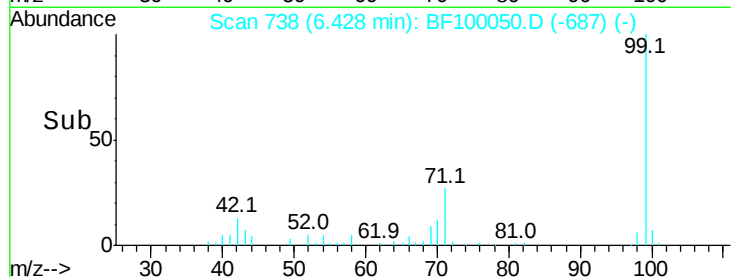
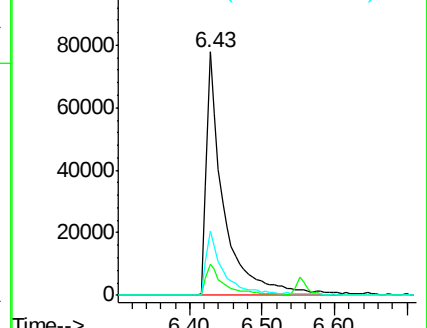
71 26.6 25.4 38.0



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: 2.195 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.16 min

Lab File: BF100050.D

Acq: 1 Nov 2017 18:14

Tgt Ion: 70 Resp: 8157

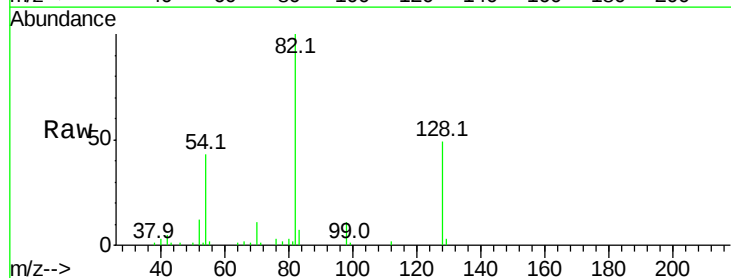
Ion Ratio Lower Upper

70 100

42 48.1 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

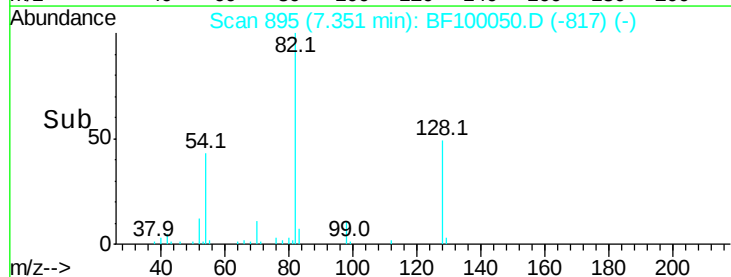
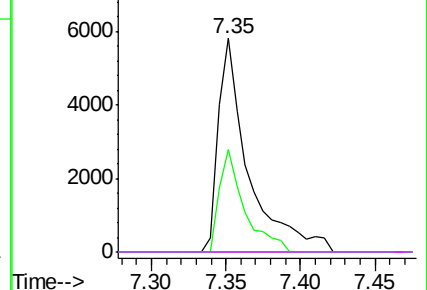


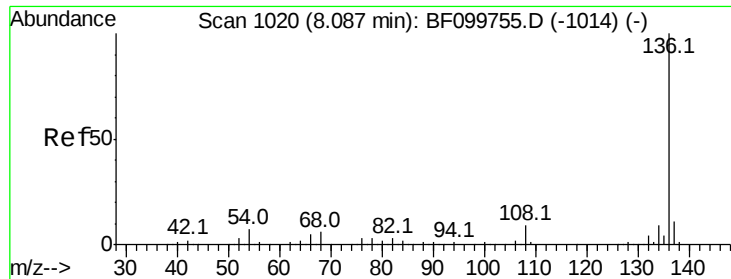
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

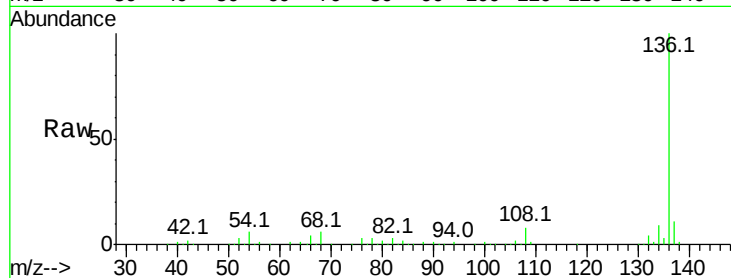




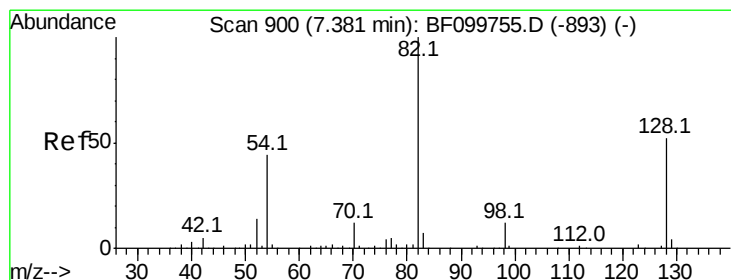
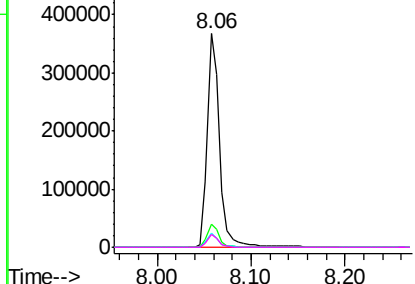
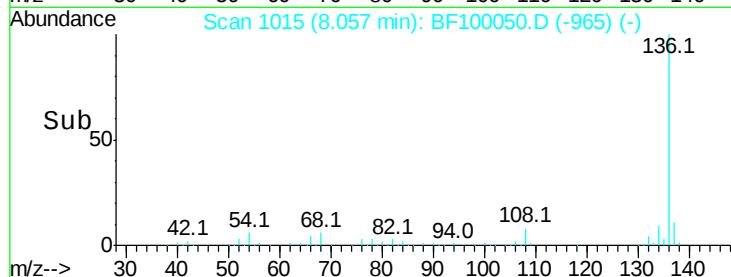
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF100050.D
Acq: 1 Nov 2017 18:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	340243
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.4	6.6	9.8#
68	5.9	5.0	7.4

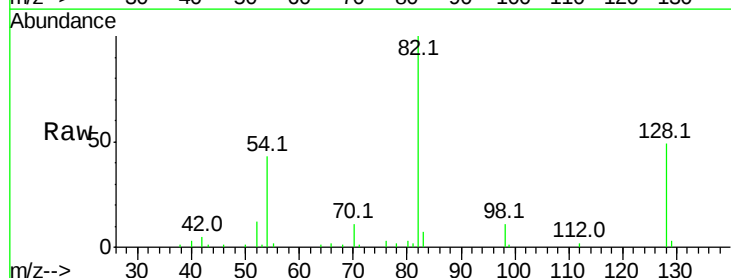


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

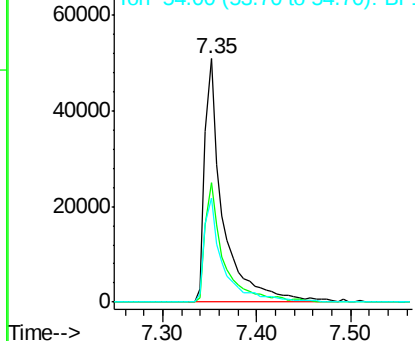
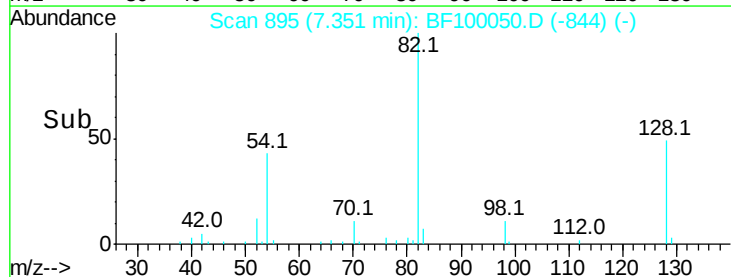


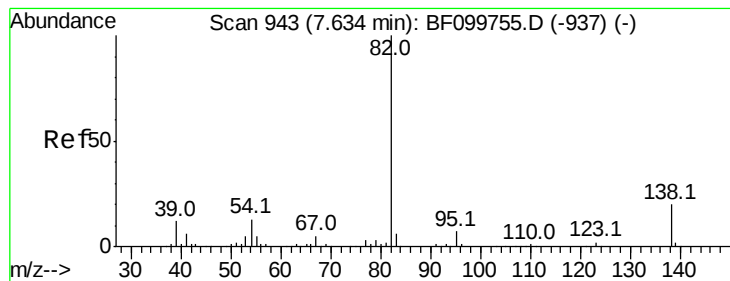
#23
Nitrobenzene-d5
Concen: 13.055 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.00 min
Lab File: BF100050.D
Acq: 1 Nov 2017 18:14

Tgt Ion:	82	Resp:	68994
Ion	Ratio	Lower	Upper
82	100		
128	49.2	36.1	54.1
54	42.8	41.4	62.2



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: 7.195 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.25 min

Lab File: BF100050.D

Acq: 1 Nov 2017 18:14

Instrument :

BNA_F

ClientSampleId :

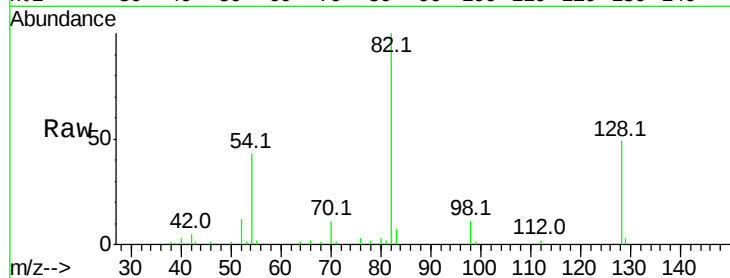
Tot Ion: 82 Resp: 68994

Ion Ratio Lower Upper

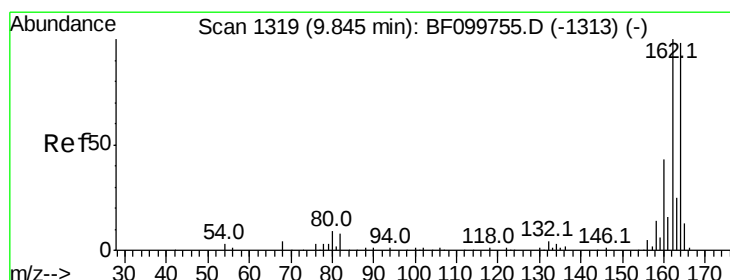
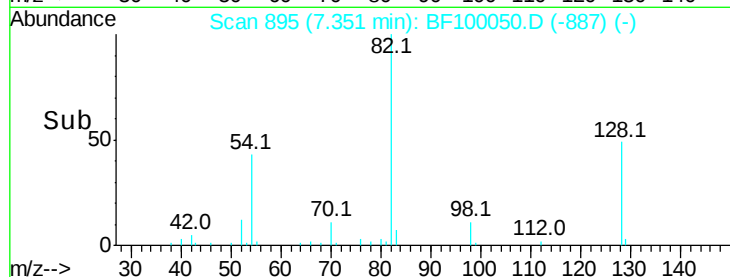
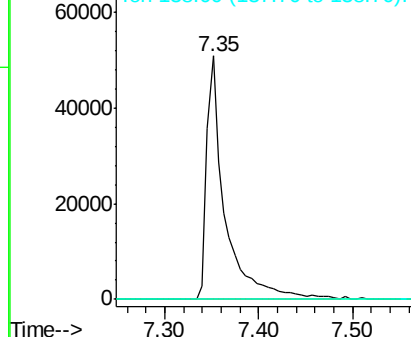
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.00 min

Lab File: BF100050.D

Acq: 1 Nov 2017 18:14

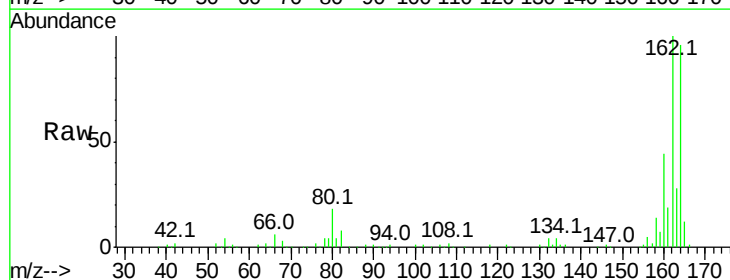
Tgt Ion:164 Resp: 148100

Ion Ratio Lower Upper

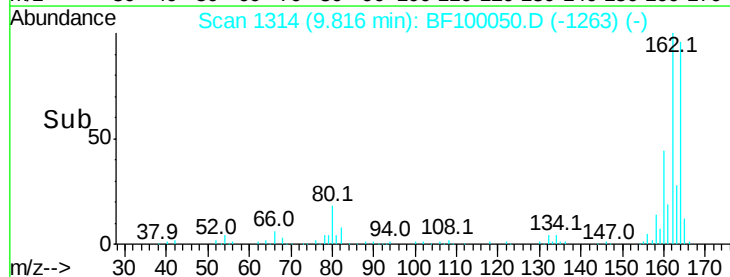
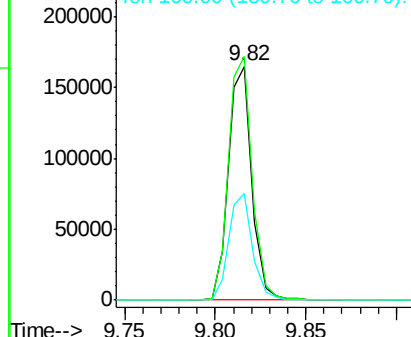
164 100

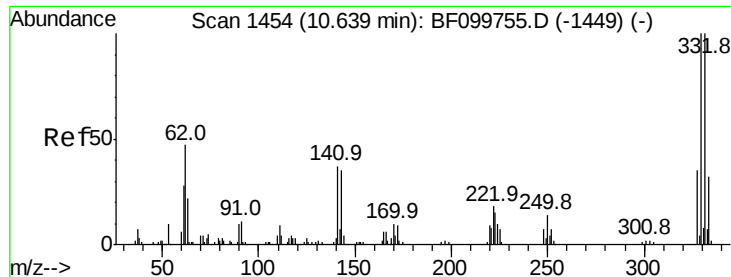
162 104.2 86.1 129.1

160 45.9 38.3 57.5



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

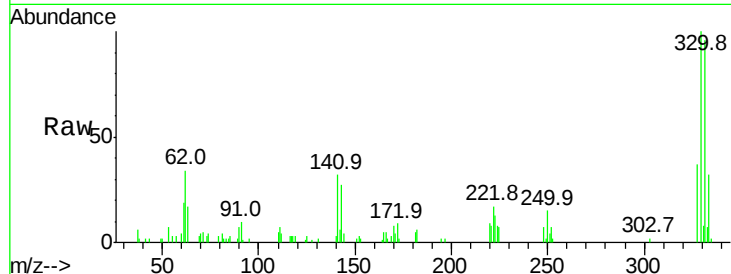




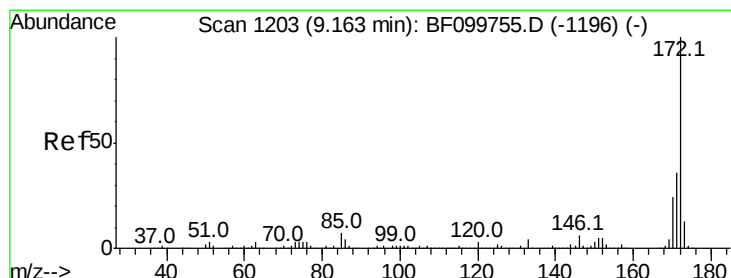
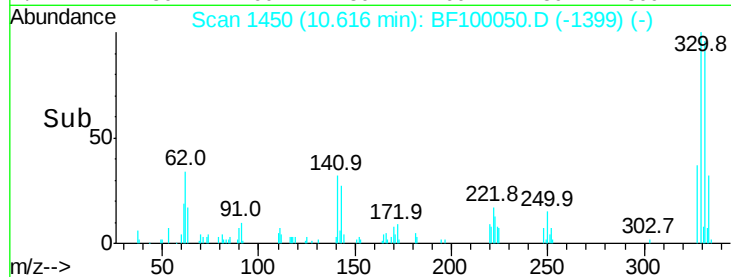
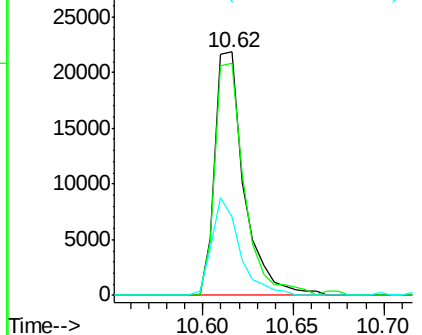
#41
 2,4,6-Tribromophenol
 Concen: 18.250 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.00 min
 Lab File: BF100050.D
 Acq: 1 Nov 2017 18:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 24631
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 38.1 29.9 44.9

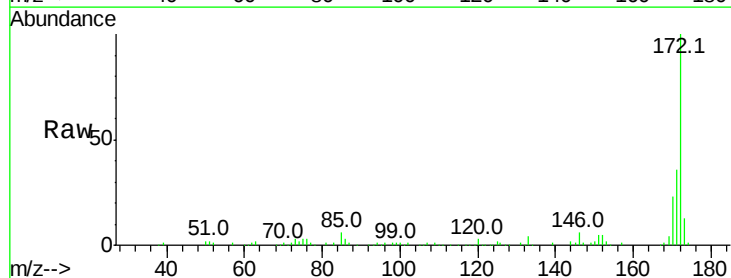


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

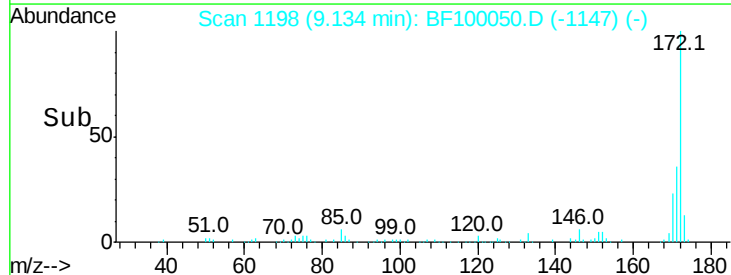
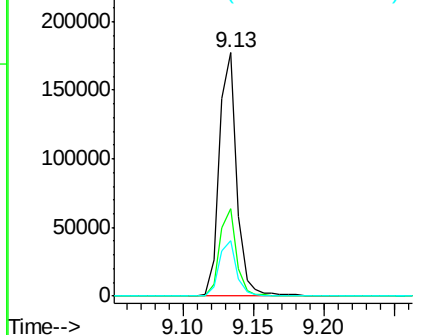


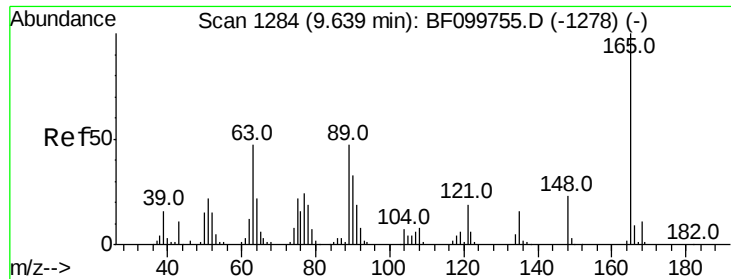
#44
 2-Fluorobiphenyl
 Concen: 15.872 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF100050.D
 Acq: 1 Nov 2017 18:14

Tgt Ion:172 Resp: 152360
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 22.7 19.6 29.4



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

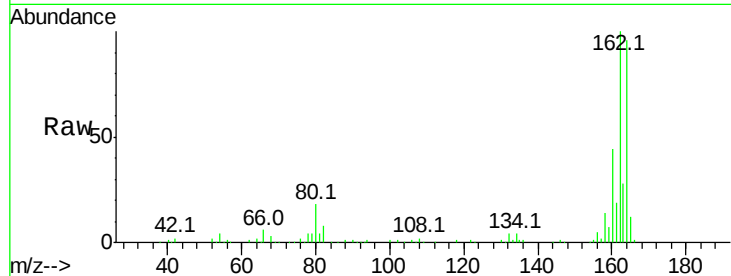




#50
 2,6-Dinitrotoluene
 Concen: 7.892 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.20 min
 Lab File: BF100050.D
 Acq: 1 Nov 2017 18:14

Instrument :
 BNA_F
 ClientSampled :

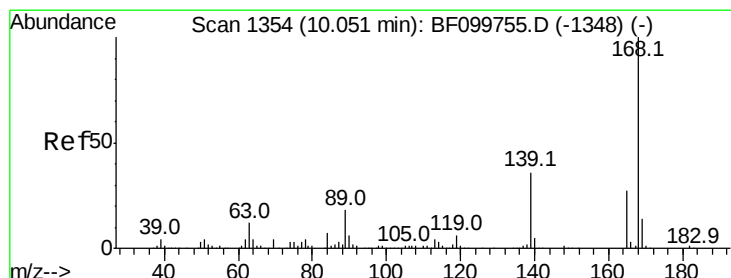
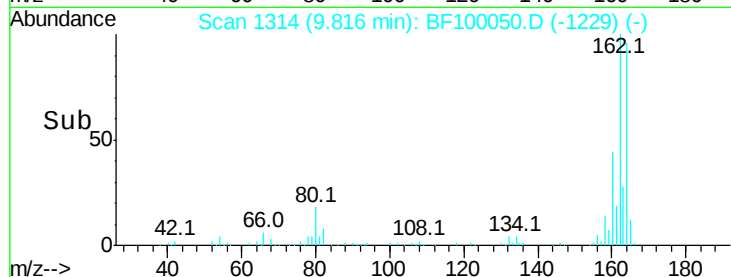
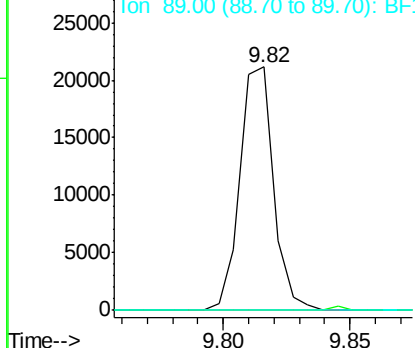
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

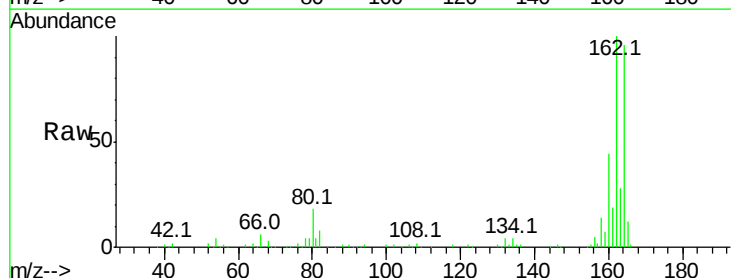
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 6.553 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.22 min
 Lab File: BF100050.D
 Acq: 1 Nov 2017 18:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

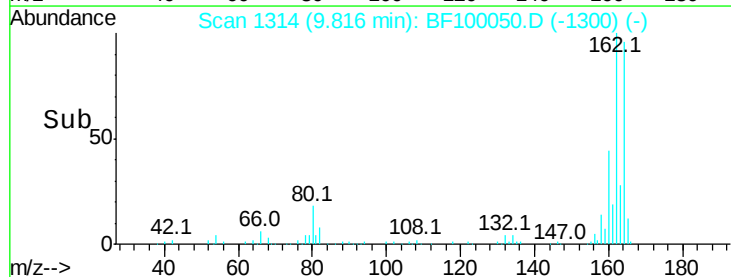
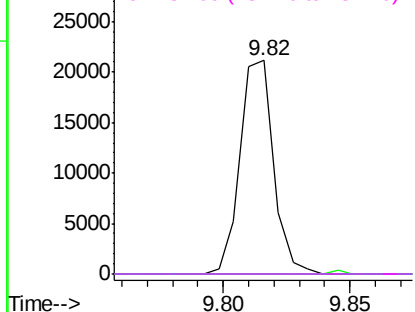


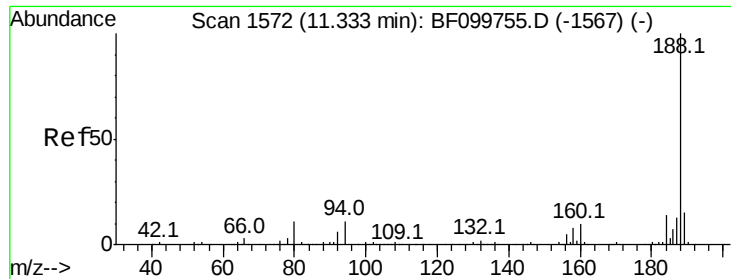
Abundance Ion 165.00 (164.70 to 165.70): E

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

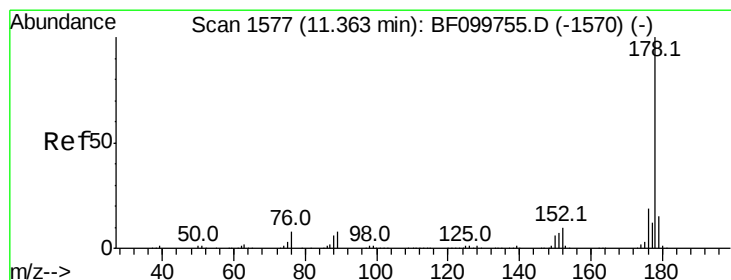
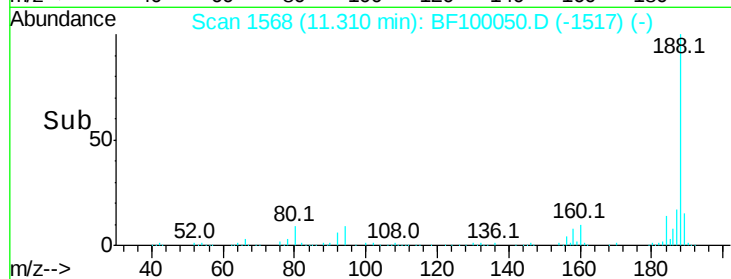
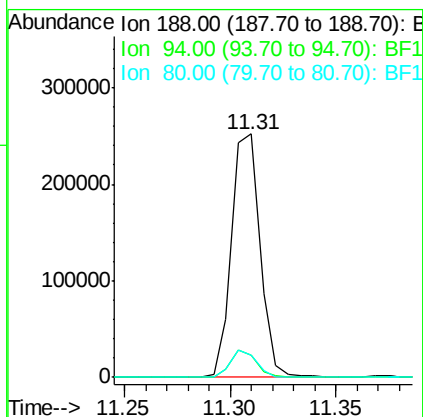
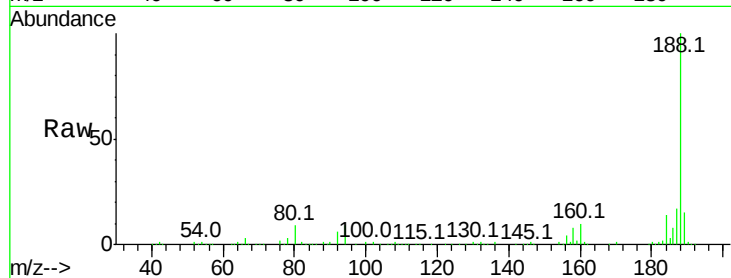




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF100050.D
Acq: 1 Nov 2017 18:14

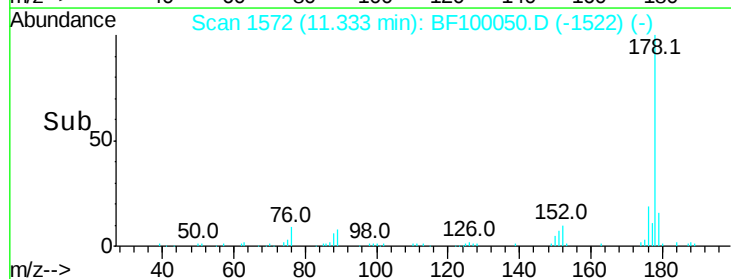
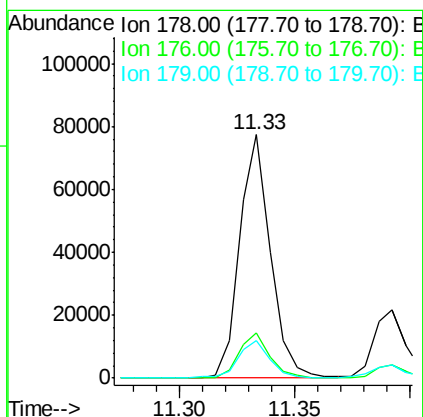
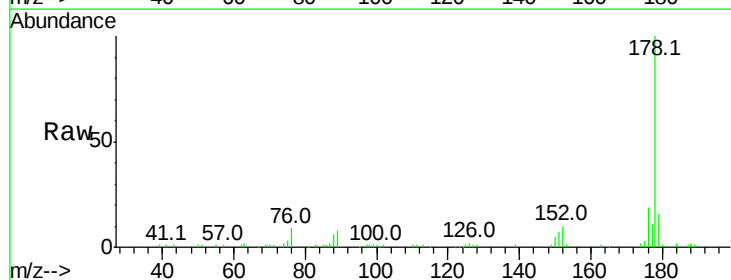
Instrument :
BNA_F
ClientSampleId :

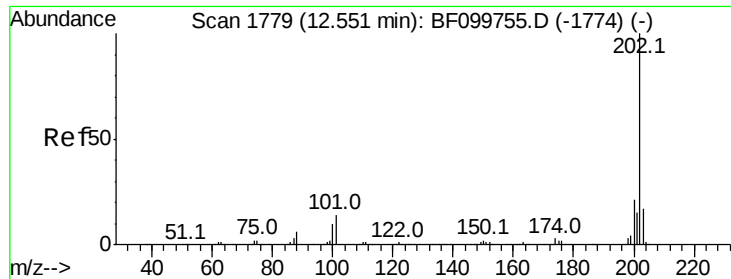
Tot Ion:188 Resp: 234595
Ion Ratio Lower Upper
188 100
94 8.9 8.5 12.7
80 9.3 9.2 13.8



#70
Phenanthrene
Concen: 5.460 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF100050.D
Acq: 1 Nov 2017 18:14

Tgt Ion:178 Resp: 72290
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.7 13.0 19.6

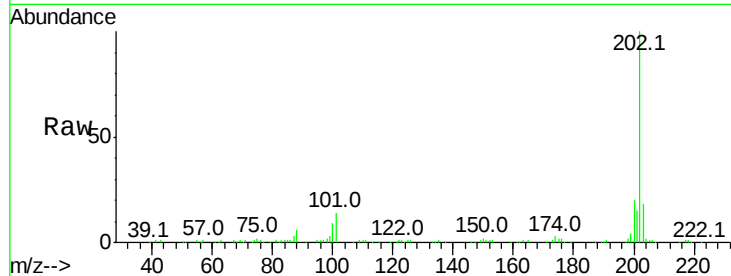




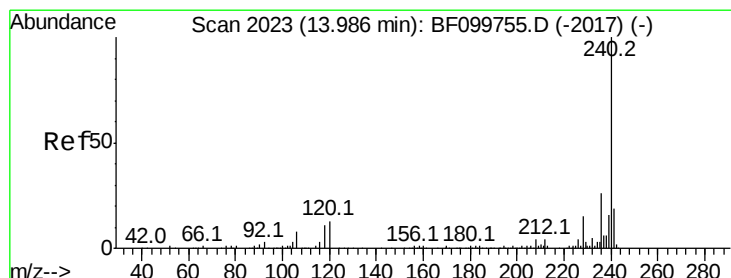
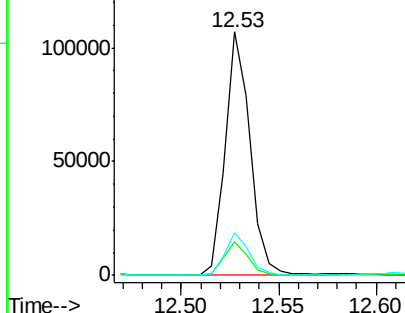
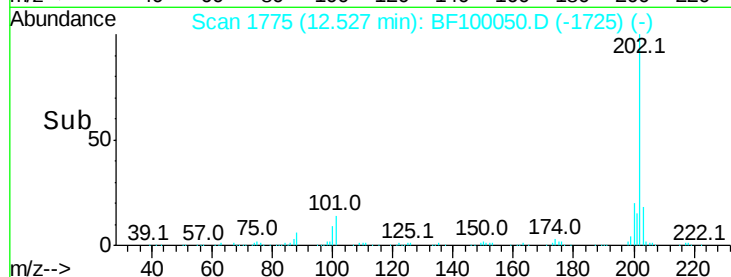
#74
 Fluoranthene
 Concen: 6.890 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF100050.D
 Acq: 1 Nov 2017 18:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 94798
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 34.1
 203 17.7 0.0 38.1

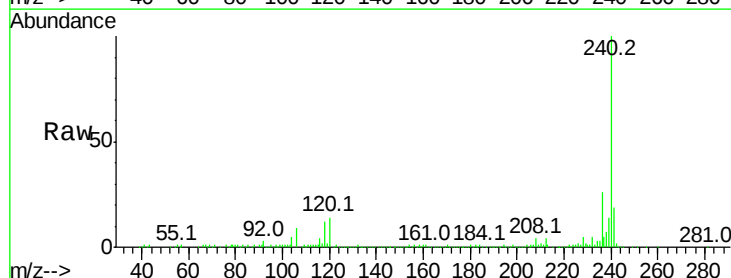


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

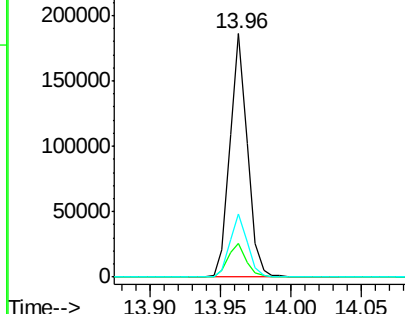
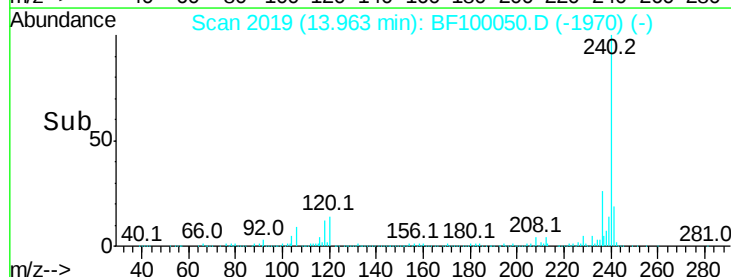


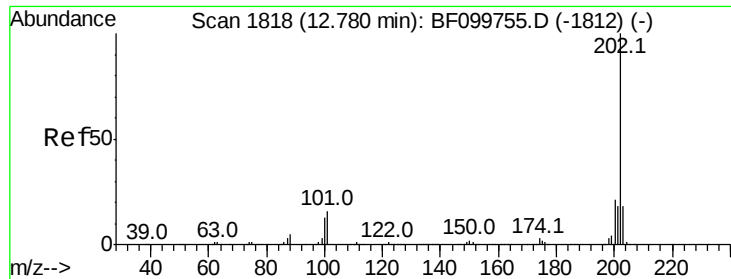
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF100050.D
 Acq: 1 Nov 2017 18:14

Tgt Ion:240 Resp: 160984
 Ion Ratio Lower Upper
 240 100
 120 14.0 9.5 14.3
 236 26.0 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

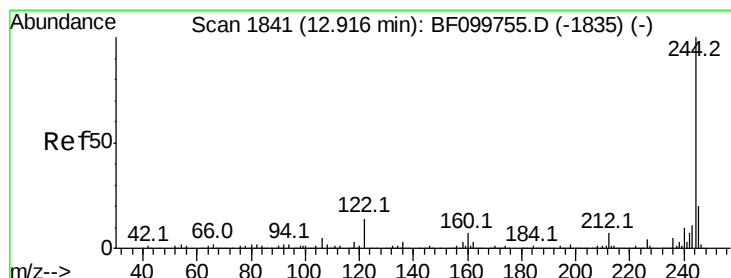
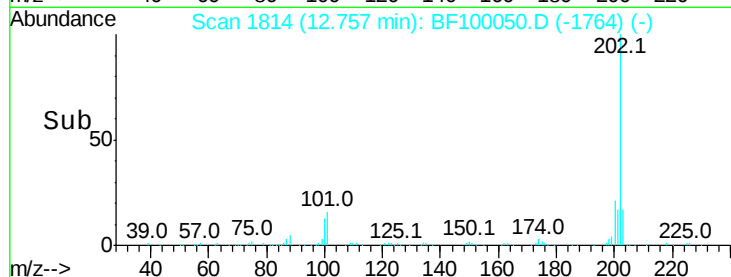
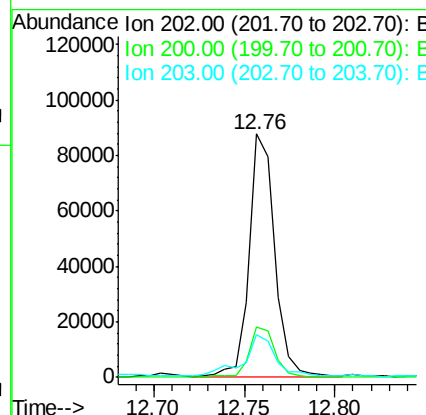
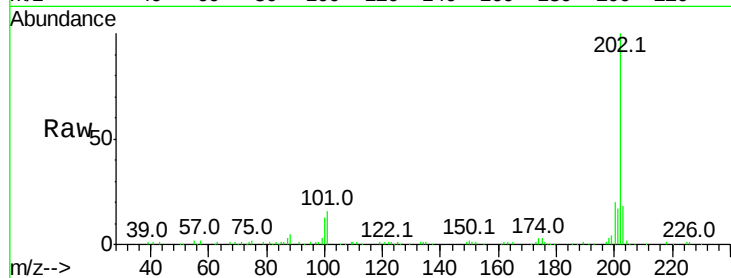




#77
Pvrene
Concen: 7.052 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF100050.D
Acq: 1 Nov 2017 18:14

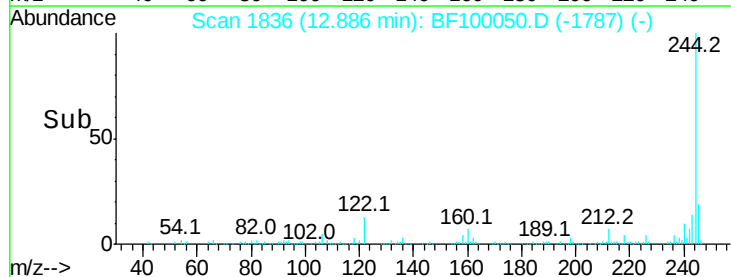
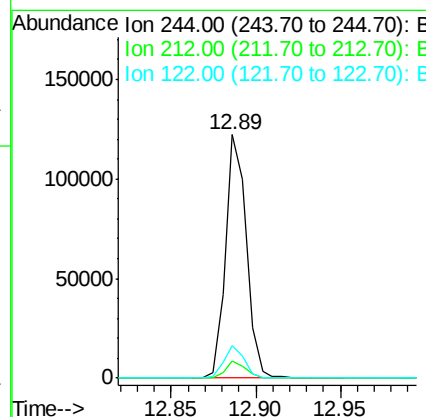
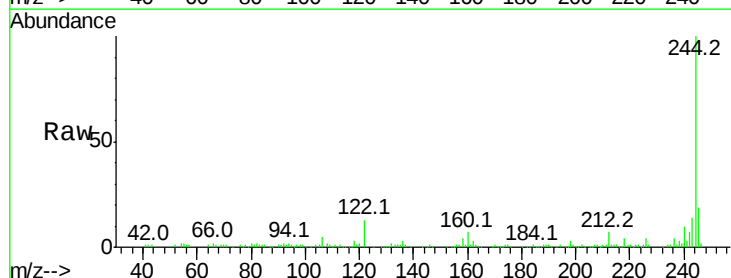
Instrument :
BNA_F
ClientSampled :

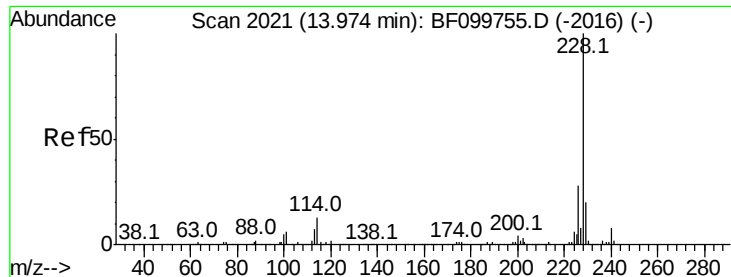
Tot Ion:202 Resp: 86322
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 17.6 14.3 21.5



#78
Terphenyl-d14
Concen: 14.274 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF100050.D
Acq: 1 Nov 2017 18:14

Tgt Ion:244 Resp: 105150
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 13.5 11.0 16.4





#80

Benzo(a)anthracene

Concen: 3.789 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF100050.D

Acq: 1 Nov 2017 18:14

Instrument :

BNA_F

ClientSampled :

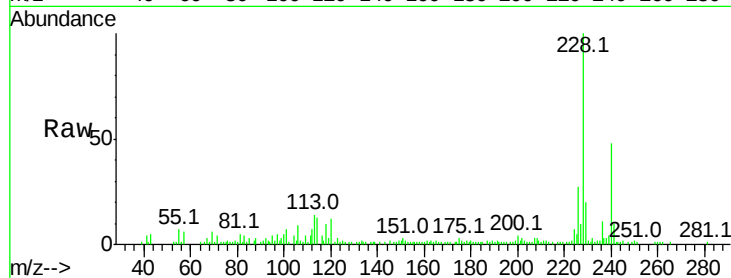
Tot Ion:228 Resp: 38665

Ion Ratio Lower Upper

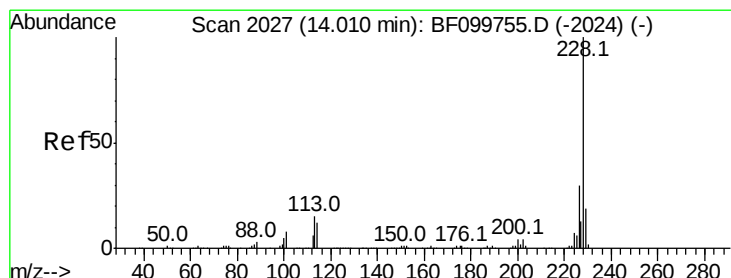
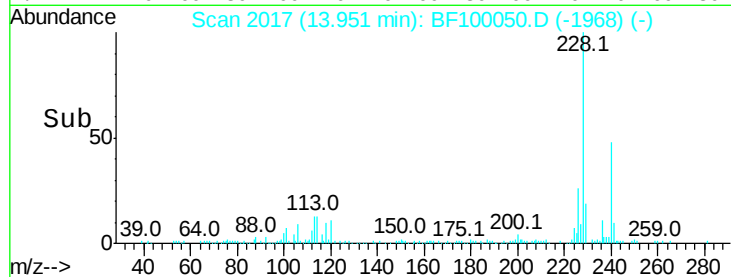
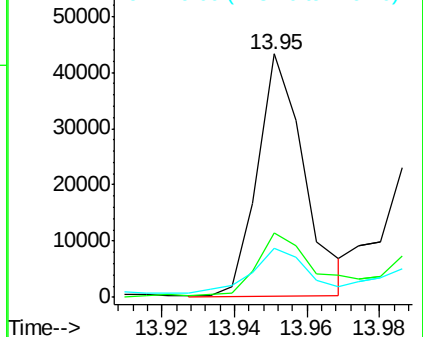
228 100

226 26.6 22.6 33.8

229 20.3 15.8 23.6



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



#82

Chrysene

Concen: 3.672 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF100050.D

Acq: 1 Nov 2017 18:14

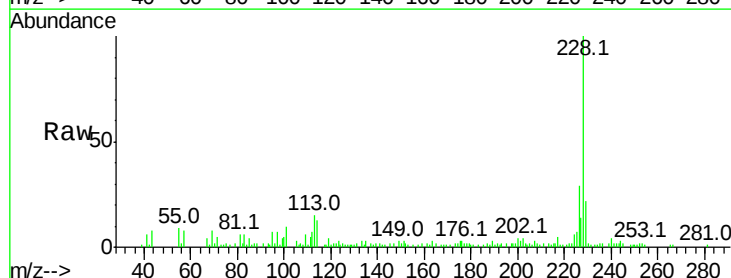
Tgt Ion:228 Resp: 35227

Ion Ratio Lower Upper

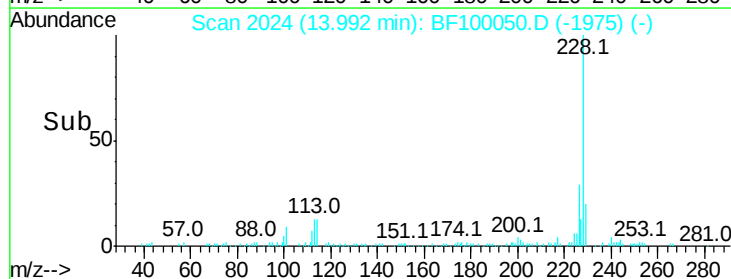
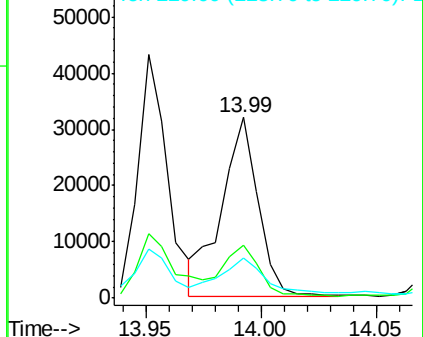
228 100

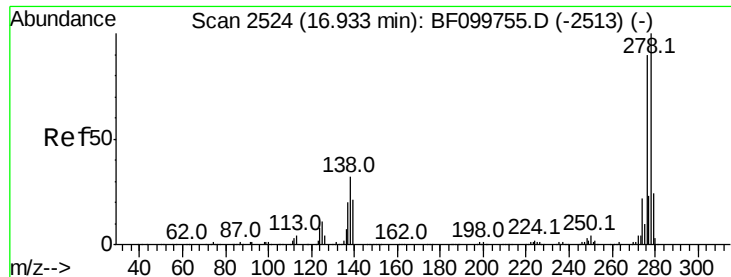
226 29.4 25.0 37.6

229 22.0 16.2 24.4



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

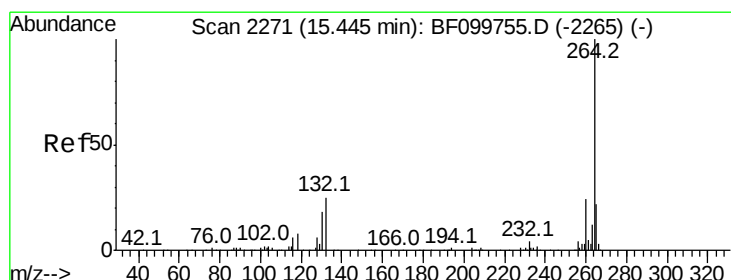
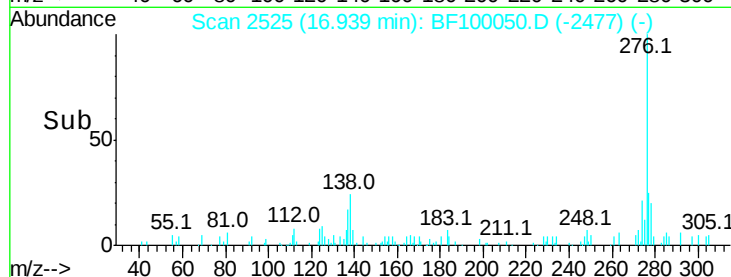
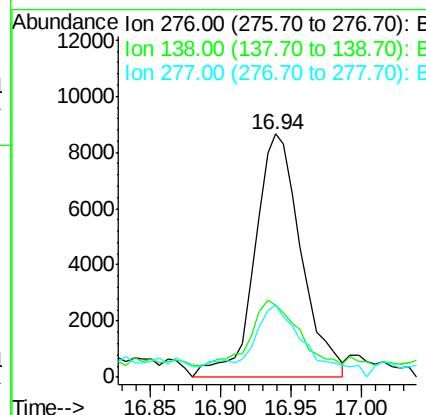
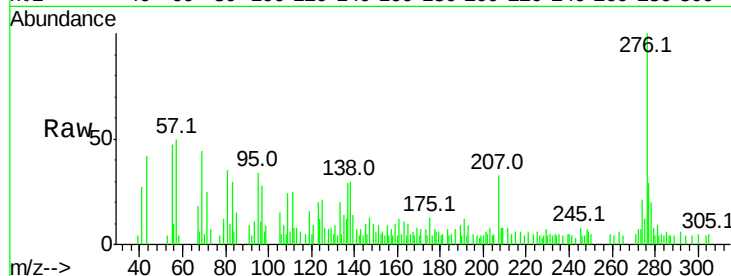




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.264 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.02 min
Lab File: BF100050.D
Acq: 1 Nov 2017 18:14

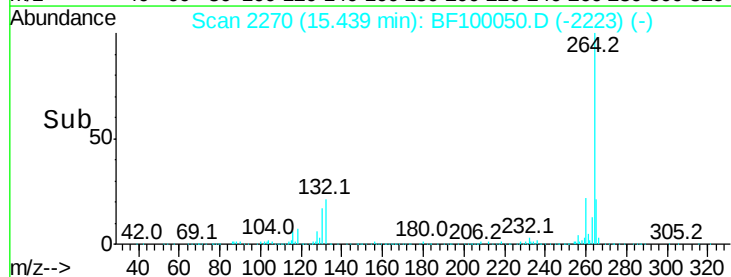
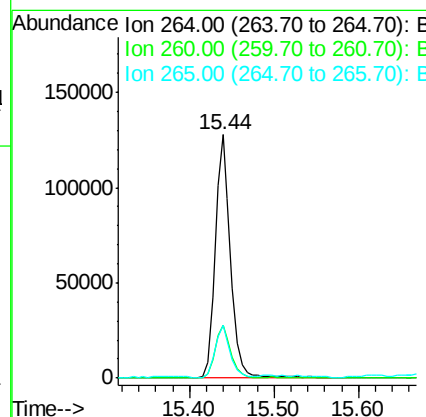
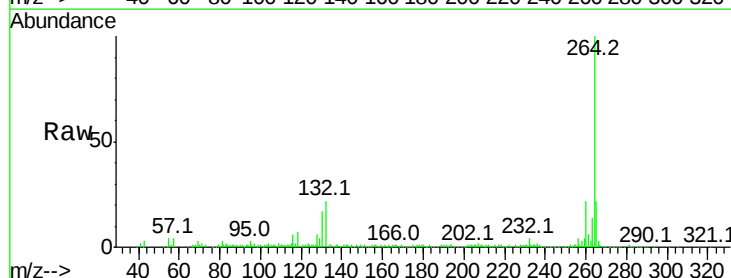
Instrument :
BNA_F
ClientSampleId :

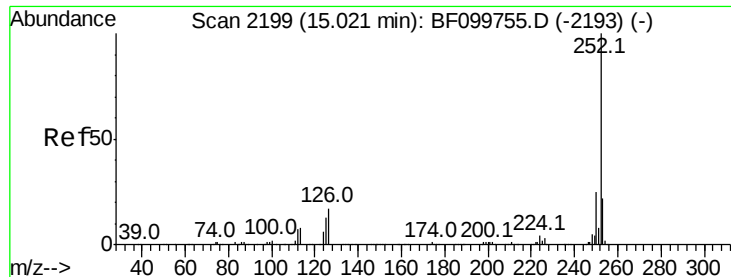
Tot Ion:276 Resp: 19937
Ion Ratio Lower Upper
276 100
138 26.8 25.0 37.6
277 35.5 20.1 30.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF100050.D
Acq: 1 Nov 2017 18:14

Tgt Ion:264 Resp: 163201
Ion Ratio Lower Upper
264 100
260 22.0 19.2 28.8
265 21.7 17.5 26.3

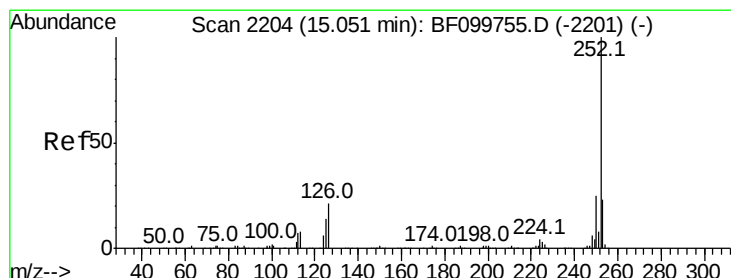
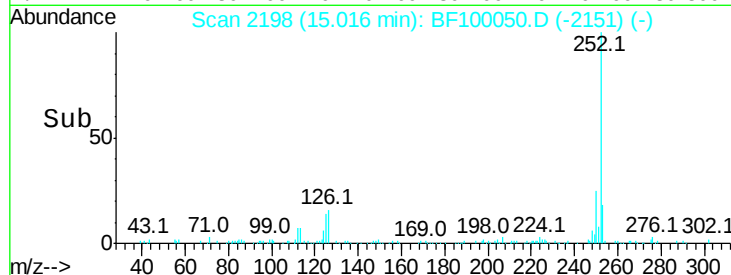
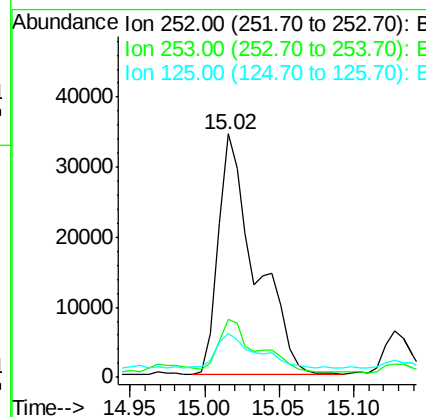
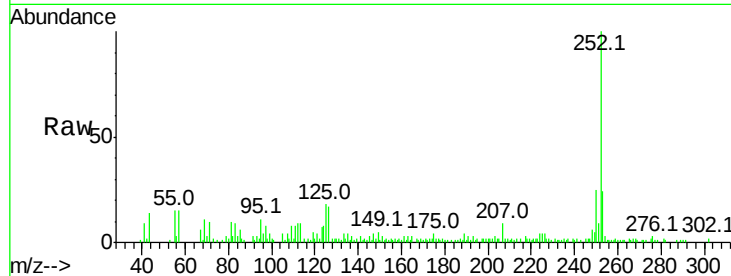




#87
Benzo(b)fluoranthene
Concen: 5.805 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF100050.D
Acq: 1 Nov 2017 18:14

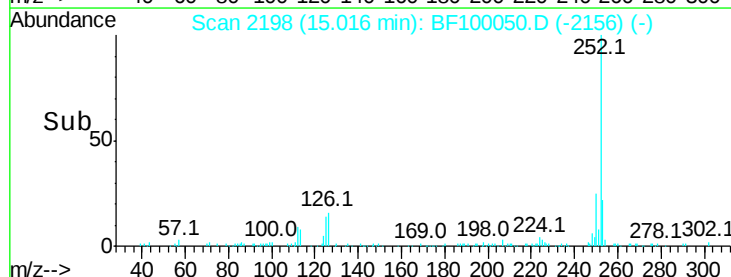
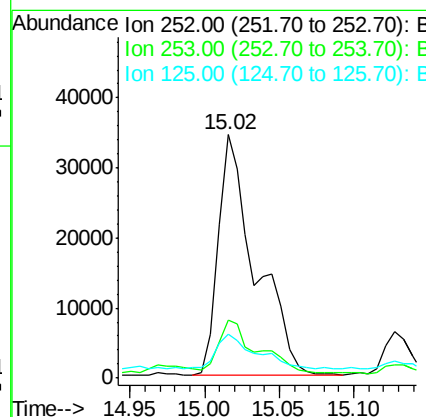
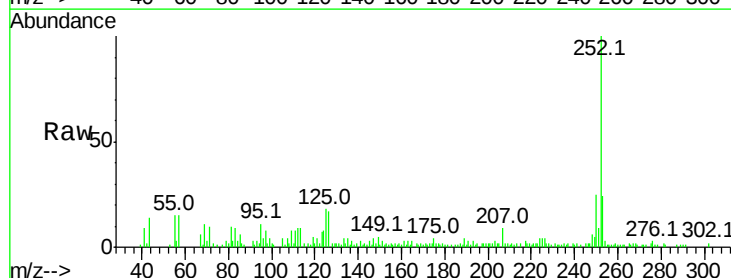
Instrument :
BNA_F
ClientSampleId :

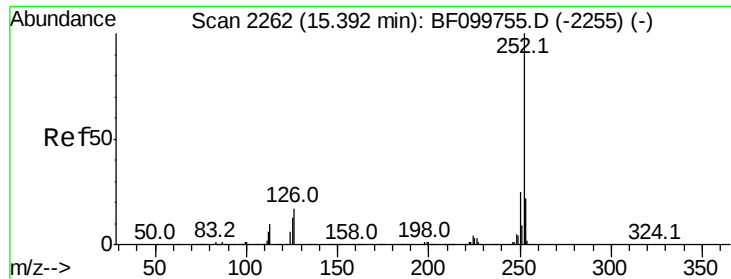
Tot Ion:252 Resp: 59827
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.6
125 17.9 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 6.157 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.05 min
Lab File: BF100050.D
Acq: 1 Nov 2017 18:14

Tgt Ion:252 Resp: 59827
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 17.9 10.2 15.2#

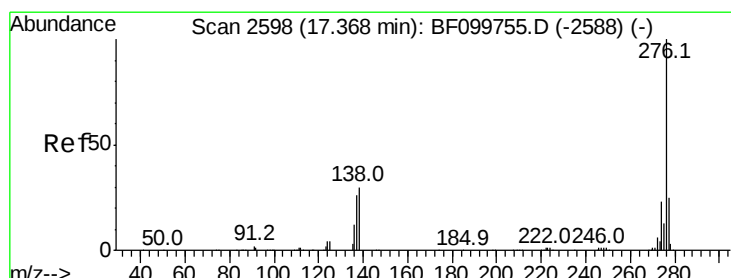
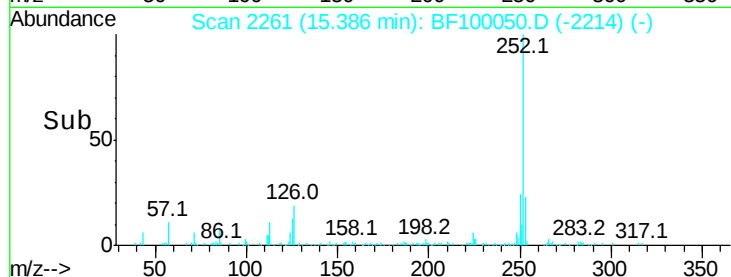
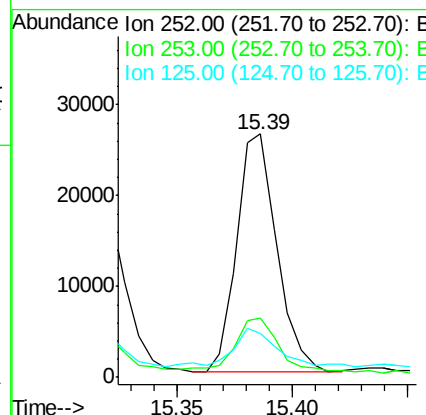
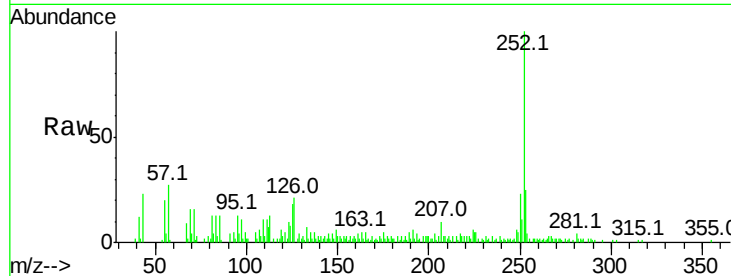




#89
Benzo(a)pyrene
Concen: 3.412 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF100050.D
Acq: 1 Nov 2017 18:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	17.9	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 2.416 ng
RT: 17.39 min Scan# 2601
Delta R.T. -0.02 min
Lab File: BF100050.D
Acq: 1 Nov 2017 18:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.5	17.9	26.9
138	28.6	21.8	32.8

