

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\
 Data File : BF100083.D
 Acq On : 2 Nov 2017 14:33
 Operator : SJ/JU
 Sample : I6236-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 16:14:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 02 16:13:54 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	87909	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	362218	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	162548	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	260637	20.00	ng	0.00
75) Chrysene-d12	13.98	240	169635	20.00	ng	0.00
86) Perylene-d12	15.52	264	163989	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	268996	48.04	ng	0.00
7) Phenol-d6	6.42	99	602020	90.67	ng	0.00
23) Nitrobenzene-d5	7.34	82	399421	70.99	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	24023	16.22	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	810762	76.95	ng	0.00
78) Terphenyl-d14	12.89	244	595311	76.69	ng	0.00

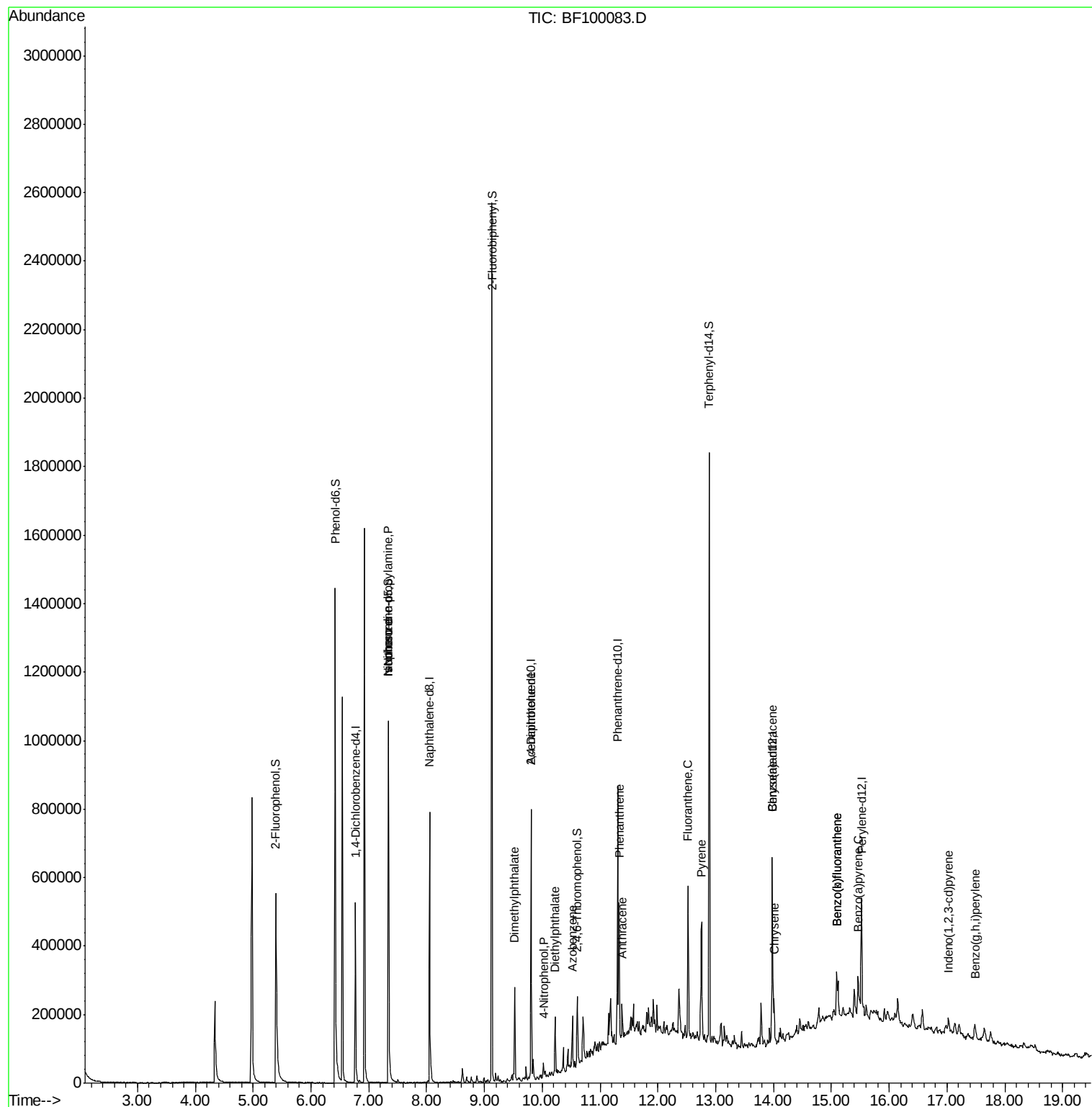
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.34	70	50668	13.022	ng	# 70
25) Isophorone	7.34	82	399421	39.124	ng	# 64
49) Dimethylphthalate	9.53	163	122063	9.482	ng	100
55) 4-Nitrophenol	10.02	139	6051	3.632	ng	# 12
56) 2,4-Dinitrotoluene	9.80	165	21715	6.663	ng	# 22
59) Diethylphthalate	10.22	149	35392	2.815	ng	97
62) Azobenzene	10.52	77	21390	2.030	ng	# 1
70) Phenanthrene	11.33	178	153276	10.421	ng	97
71) Anthracene	11.38	178	46936	3.144	ng	96
74) Fluoranthene	12.52	202	178302	11.664	ng	100
77) Pyrene	12.76	202	145840	11.306	ng	98
80) Benzo(a)anthracene	13.97	228	66191	6.155	ng	97
82) Chrysene	14.01	228	54445	5.385	ng	97
85) Indeno(1,2,3-cd)pyrene	17.03	276	31861	3.433	ng	99
87) Benzo(b)fluoranthene	15.09	252	98305	9.493	ng	# 95
88) Benzo(k)fluoranthene	15.09	252	98305	10.068	ng	# 97
89) Benzo(a)pyrene	15.46	252	53678	5.771	ng	# 92
91) Benzo(g,h,i)perylene	17.49	276	32617	4.034	ng	# 90

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

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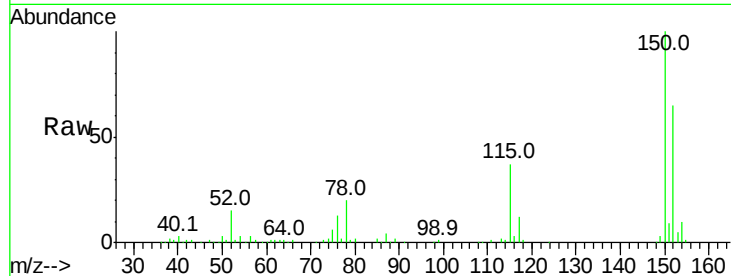


#1

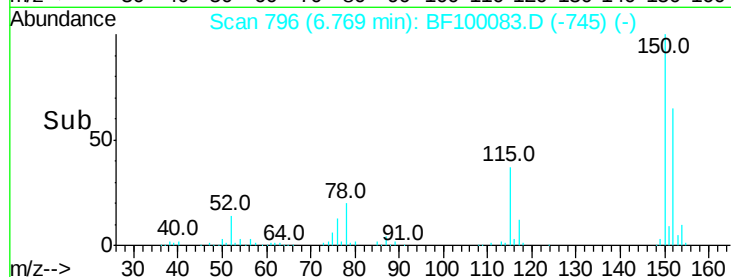
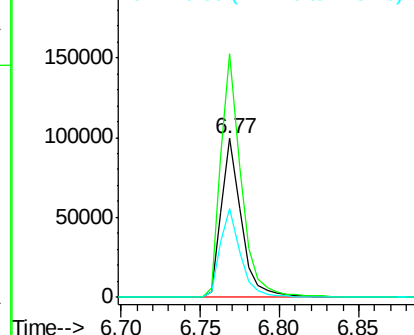
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF100083.D
Acq: 2 Nov 2017 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 87909
Ion Ratio Lower Upper
152 100
150 153.3 124.6 186.8
115 56.1 50.1 75.1



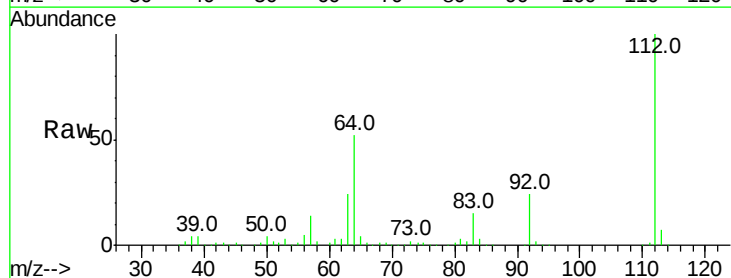
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



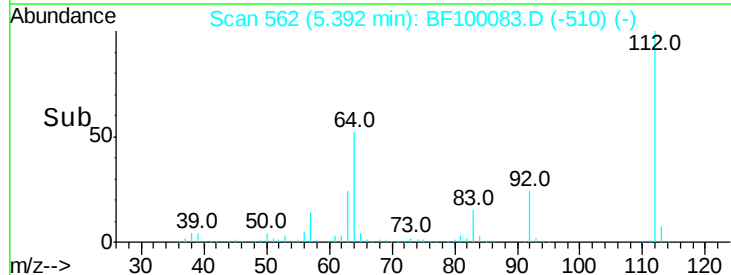
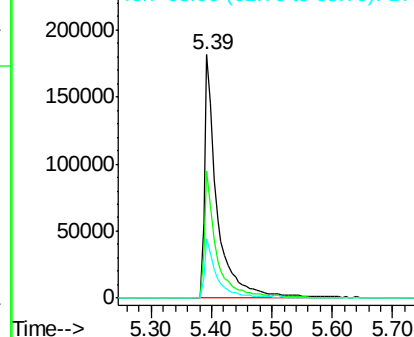
#5

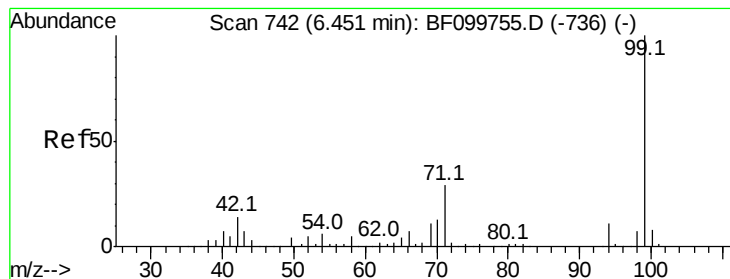
2-Fluorophenol
Concen: 48.040 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF100083.D
Acq: 2 Nov 2017 14:33

Tgt Ion:112 Resp: 268996
Ion Ratio Lower Upper
112 100
64 52.3 47.9 71.9
63 24.4 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: 90.675 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100083.D

Acq: 2 Nov 2017 14:33

Instrument :

BNA_F

ClientSampleId :

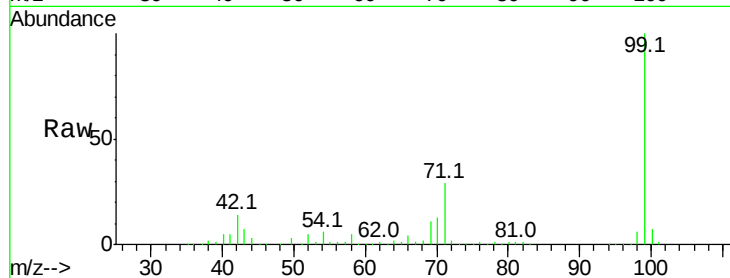
Tot Ion: 99 Resp: 602020

Ion Ratio Lower Upper

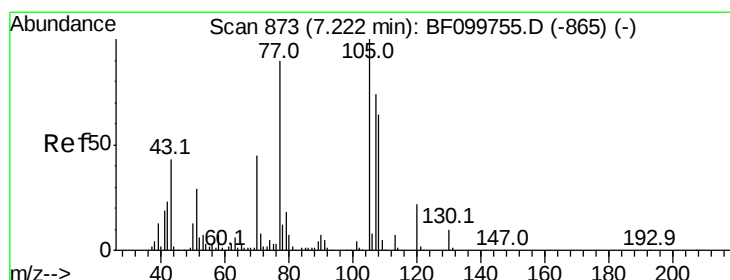
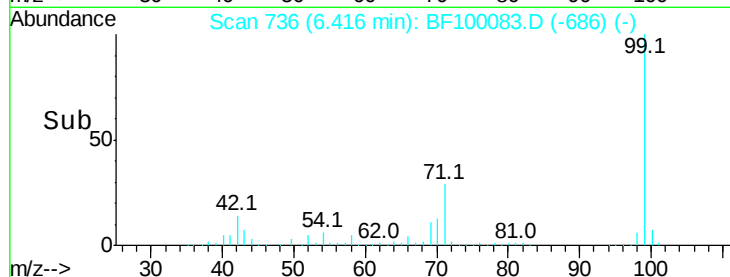
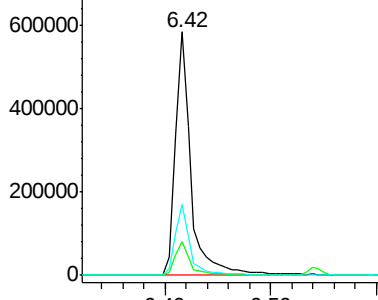
99 100

42 13.7 14.5 21.7#

71 29.1 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: 13.022 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.15 min

Lab File: BF100083.D

Acq: 2 Nov 2017 14:33

Tgt Ion: 70 Resp: 50668

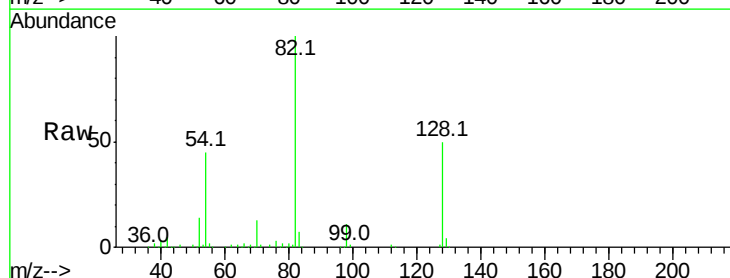
Ion Ratio Lower Upper

70 100

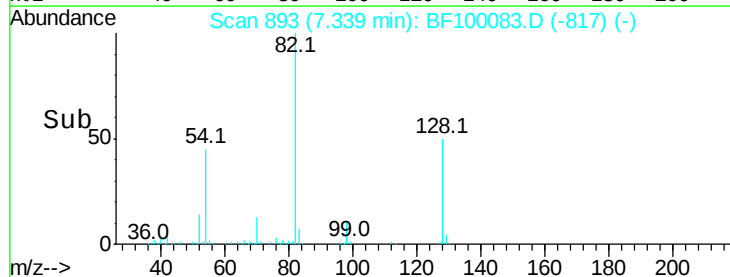
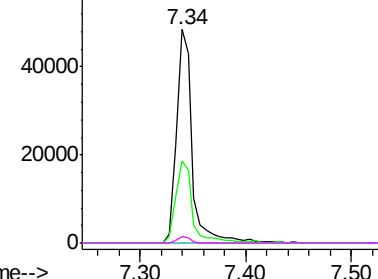
42 38.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 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

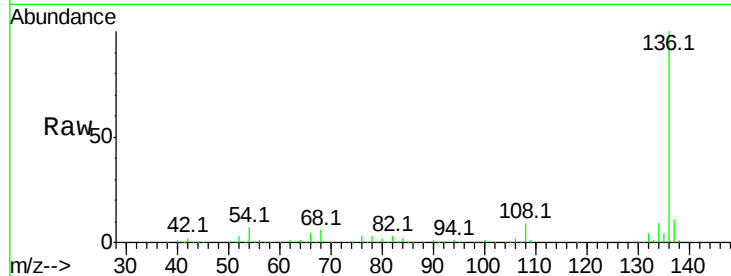




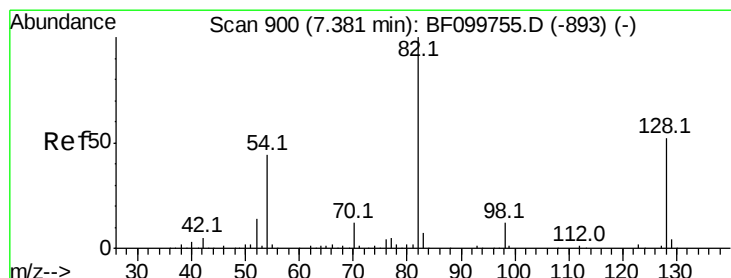
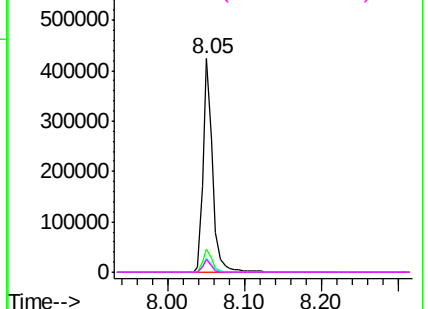
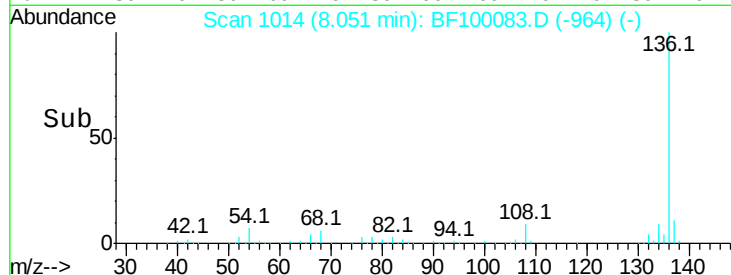
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF100083.D
Acq: 2 Nov 2017 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	362218
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.6	6.6	9.8#
68	5.8	5.0	7.4

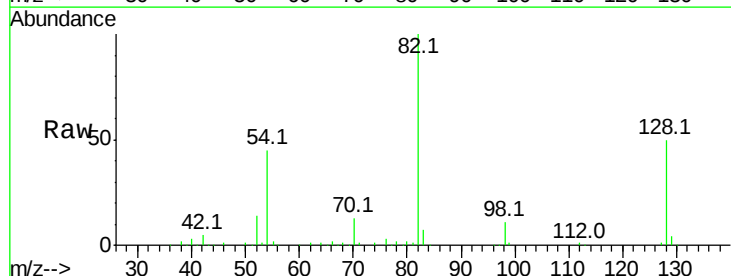


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

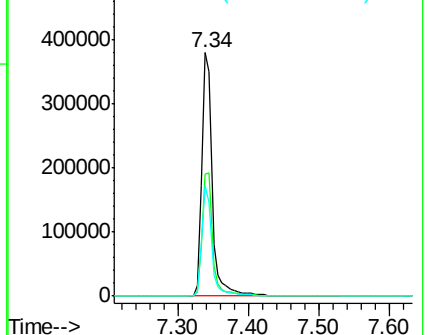
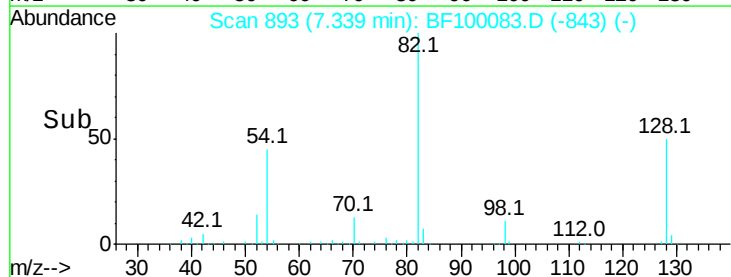


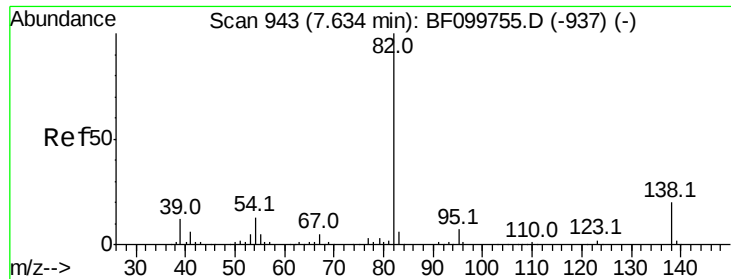
#23
Nitrobenzene-d5
Concen: 70.993 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100083.D
Acq: 2 Nov 2017 14:33

Tgt Ion:	82	Resp:	399421
Ion	Ratio	Lower	Upper
82	100		
128	50.1	36.1	54.1
54	45.2	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: 39.124 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.26 min

Lab File: BF100083.D

Acq: 2 Nov 2017 14:33

Instrument :

BNA_F

ClientSampleId :

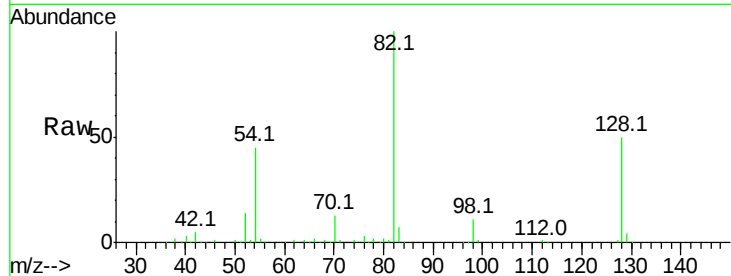
Tot Ion: 82 Resp: 399421

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

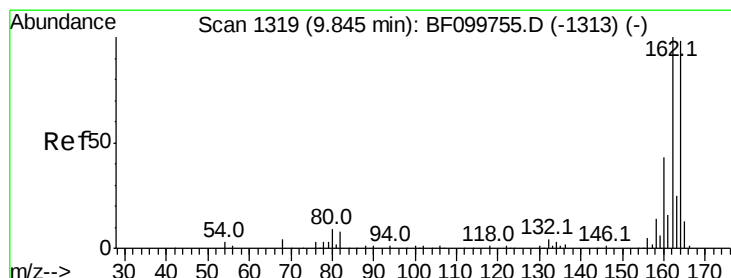
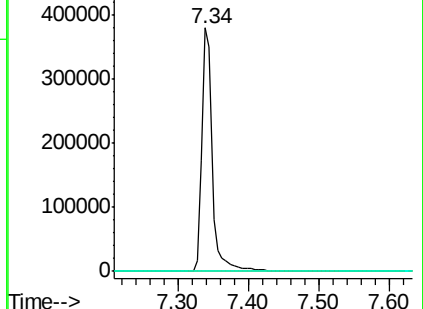
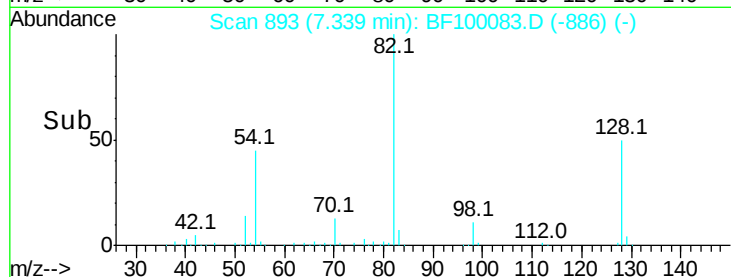
138 0.0 14.9 22.3#



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: 9.81 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BF100083.D

Acq: 2 Nov 2017 14:33

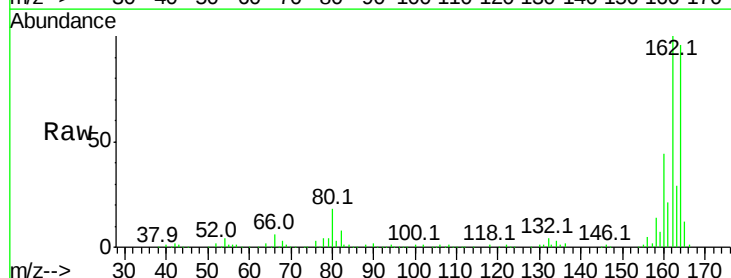
Tgt Ion:164 Resp: 162548

Ion Ratio Lower Upper

164 100

162 104.6 86.1 129.1

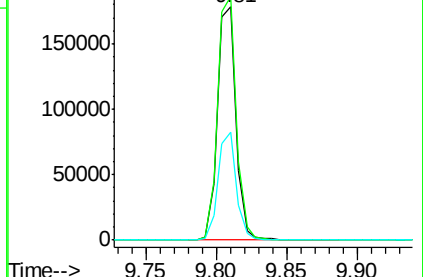
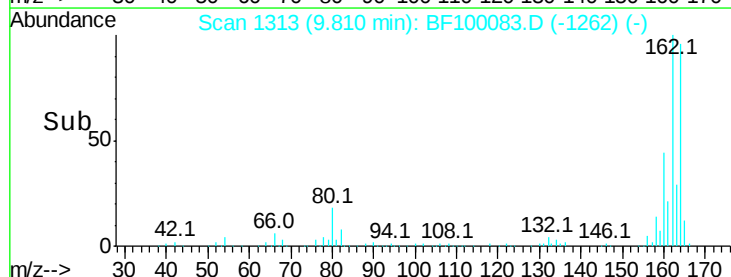
160 46.3 38.3 57.5



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

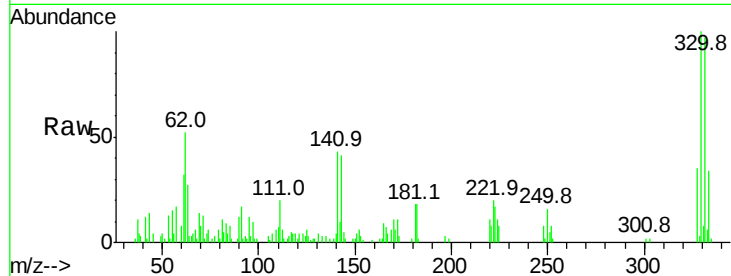




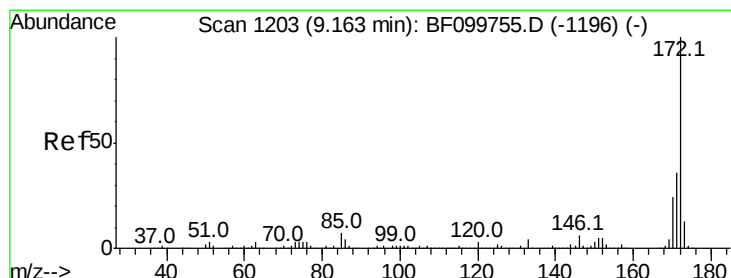
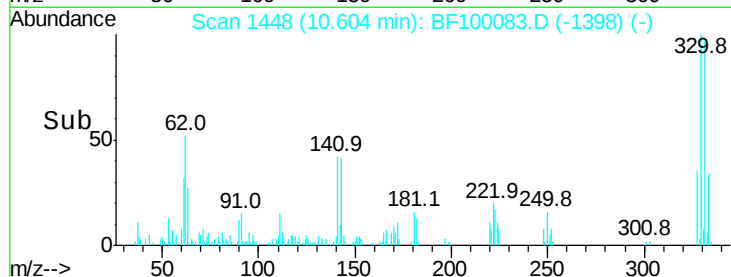
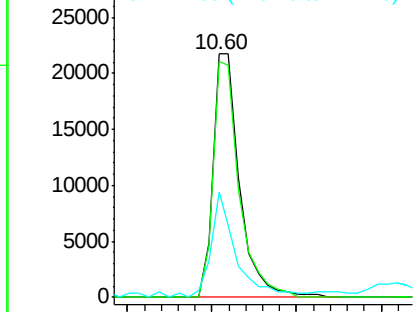
#41
 2,4,6-Tribromophenol
 Concen: 16.217 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF100083.D
 Acq: 2 Nov 2017 14:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 24023
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 40.9 29.9 44.9

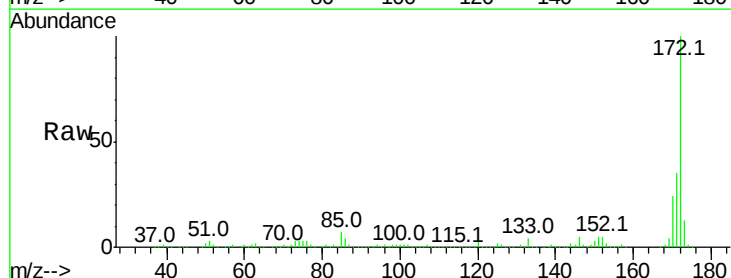


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

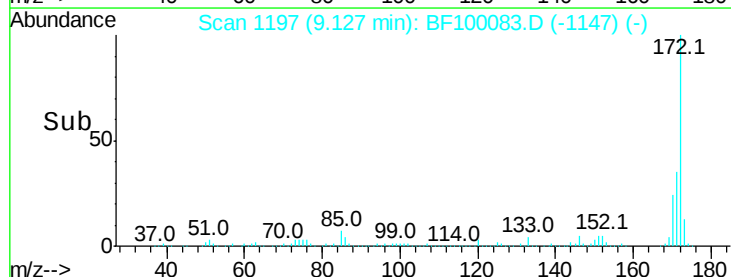
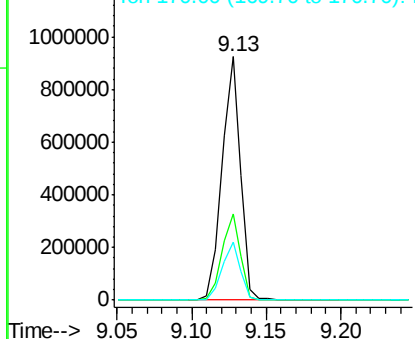


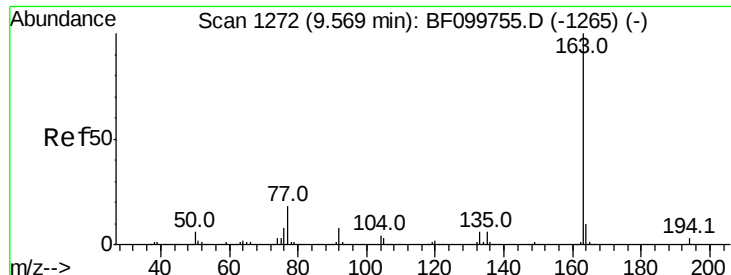
#44
 2-Fluorobiphenyl
 Concen: 76.954 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF100083.D
 Acq: 2 Nov 2017 14:33

Tgt Ion:172 Resp: 810762
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 24.0 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

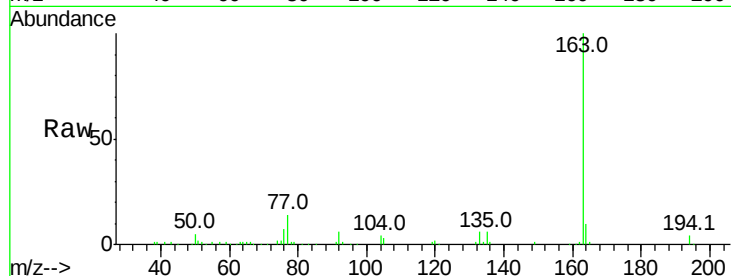




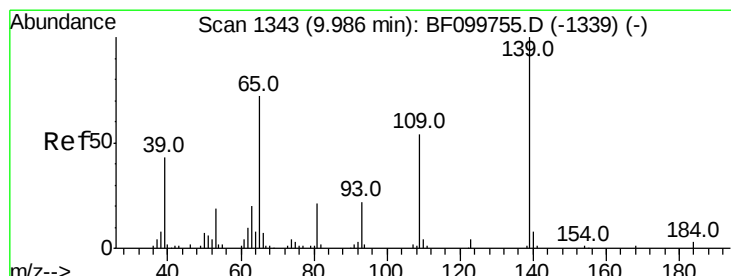
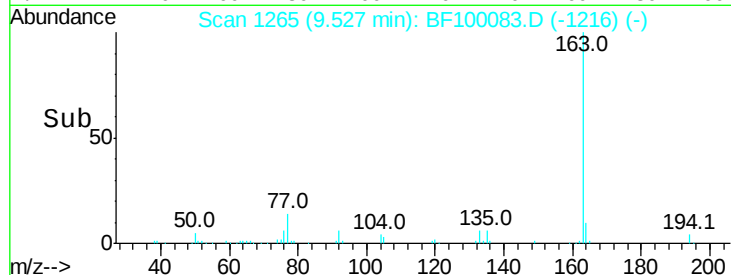
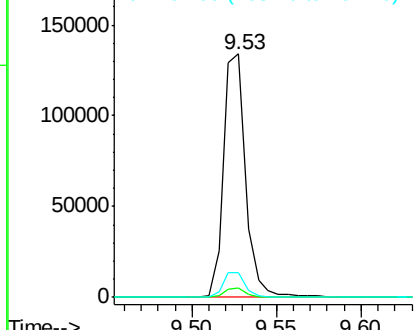
#49
Dimethylphthalate
Concen: 9.482 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF100083.D
Acq: 2 Nov 2017 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 122063
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.2 8.2 12.2

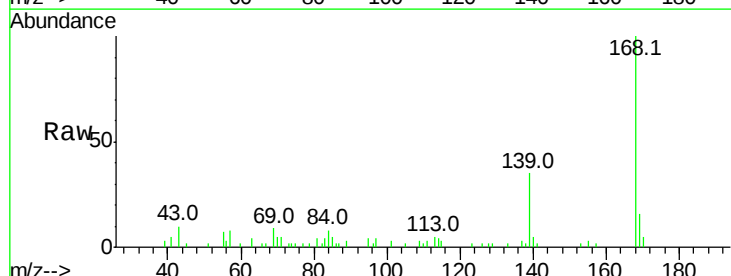


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

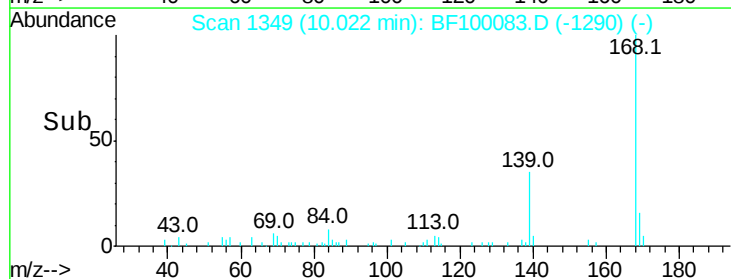
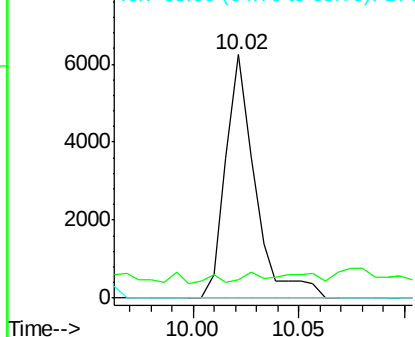


#55
4-Nitrophenol
Concen: 3.632 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.05 min
Lab File: BF100083.D
Acq: 2 Nov 2017 14:33

Tgt Ion:139 Resp: 6051
Ion Ratio Lower Upper
139 100
109 7.4 48.4 88.4#
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

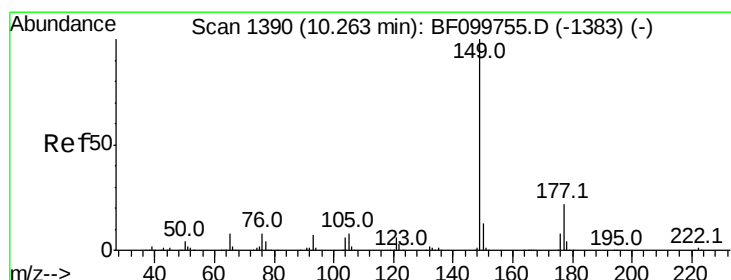
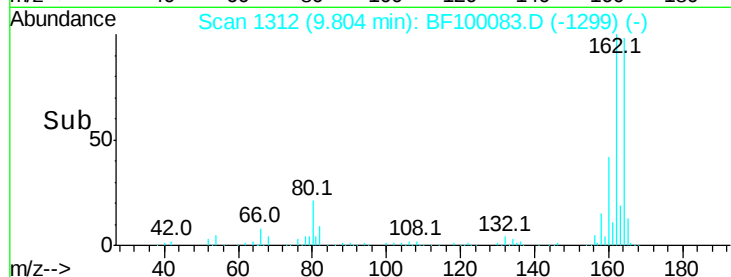
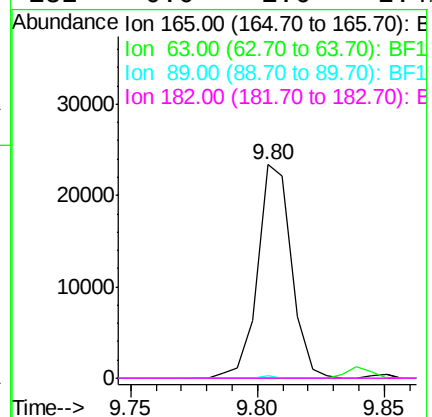
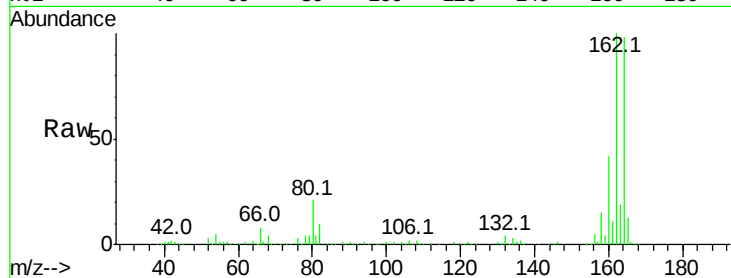




#56
2,4-Dinitrotoluene
Concen: 6.663 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.22 min
Lab File: BF100083.D
Acq: 2 Nov 2017 14:33

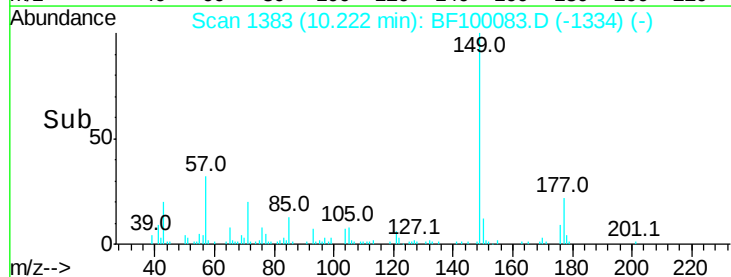
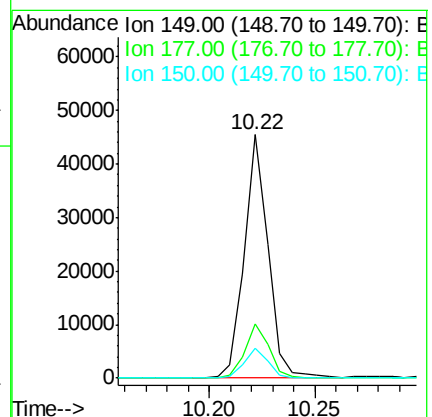
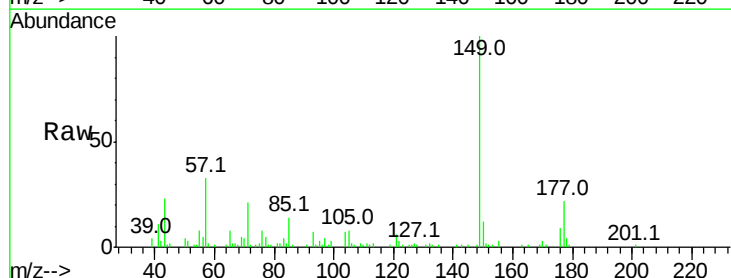
Instrument :
BNA_F
ClientSampleId :

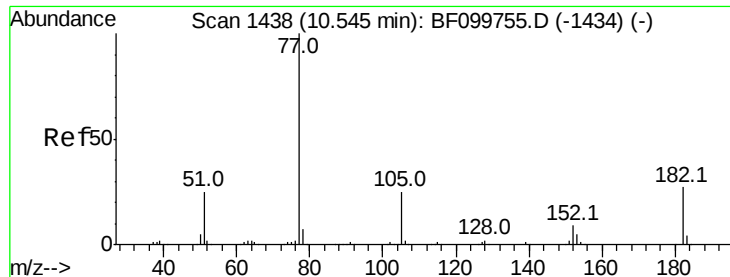
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#59
Diethylphthalate
Concen: 2.815 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF100083.D
Acq: 2 Nov 2017 14:33

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.4	16.1	24.1
150	12.5	10.1	15.1

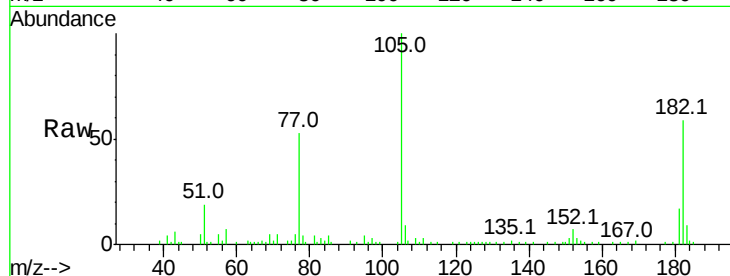




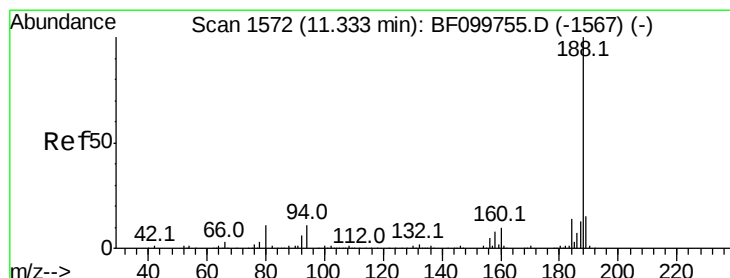
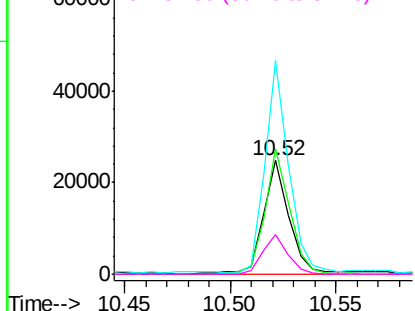
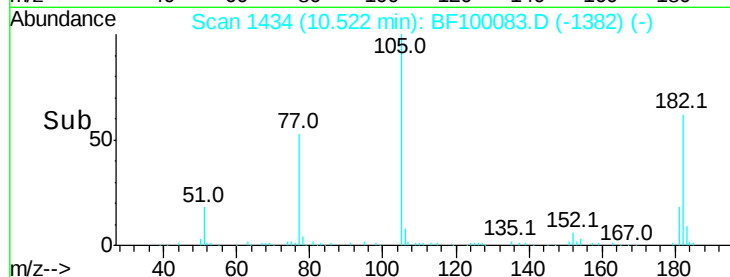
#62
Azobenzene
Concen: 2.030 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BF100083.D
Acq: 2 Nov 2017 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 21390
Ion Ratio Lower Upper
77 100
182 110.3 1.7 41.7#
105 187.5 3.0 43.0#
51 34.8 9.9 49.9

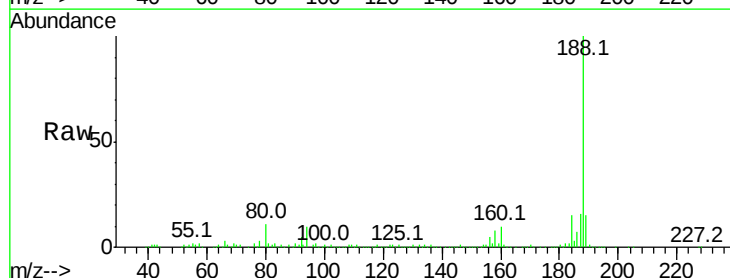


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 51.00 (50.70 to 51.70): BF1

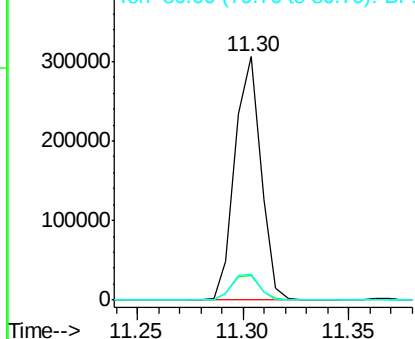
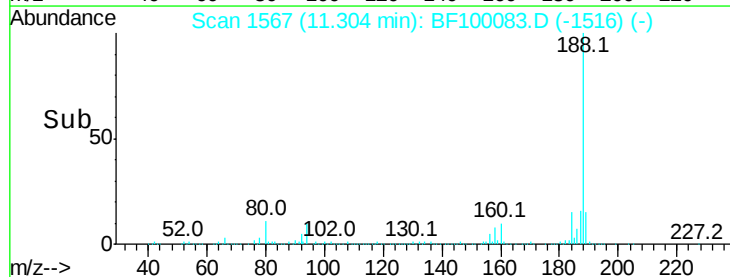


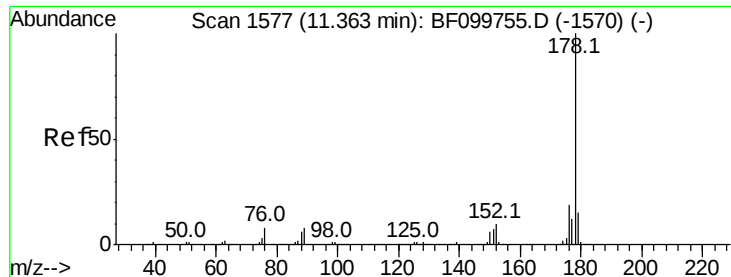
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF100083.D
Acq: 2 Nov 2017 14:33

Tgt Ion: 188 Resp: 260637
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.7 9.2 13.8



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

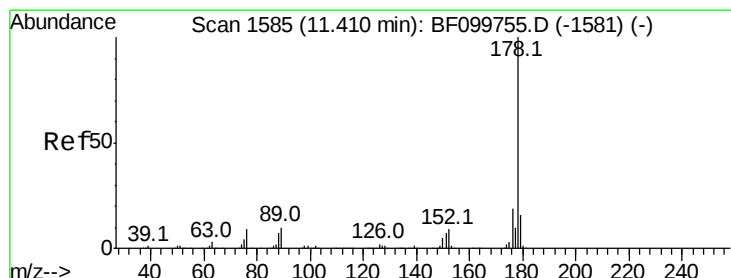
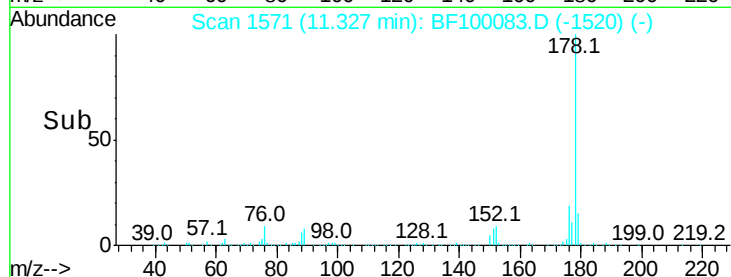
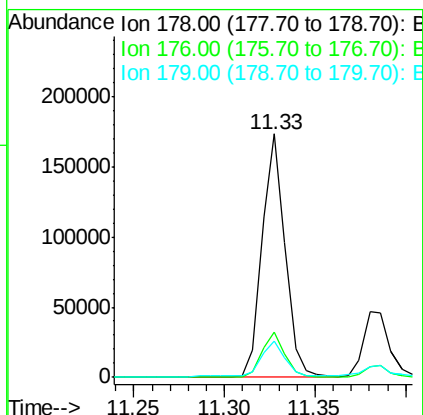
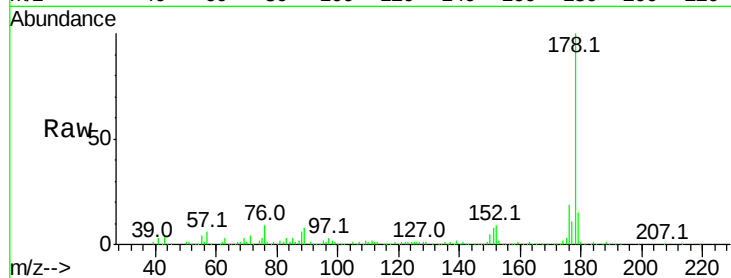




#70
 Phenanthrene
 Concen: 10.421 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF100083.D
 Acq: 2 Nov 2017 14:33

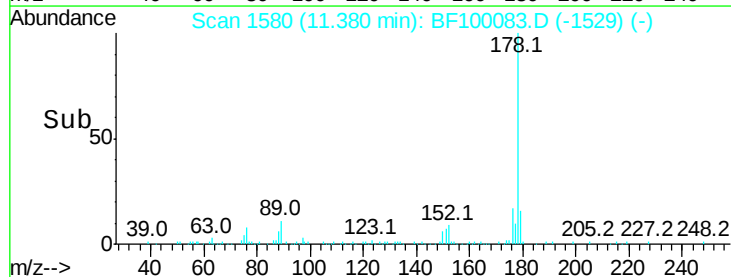
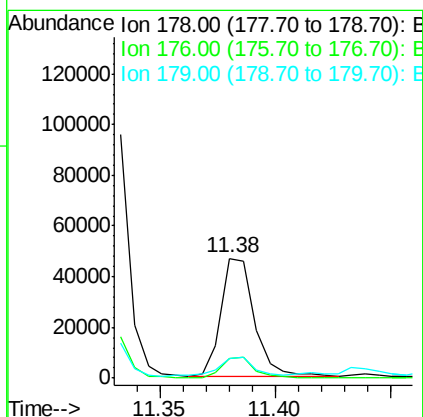
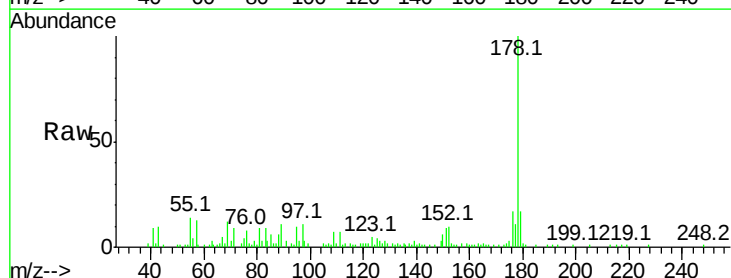
Instrument :
 BNA_F
 ClientSampleId :

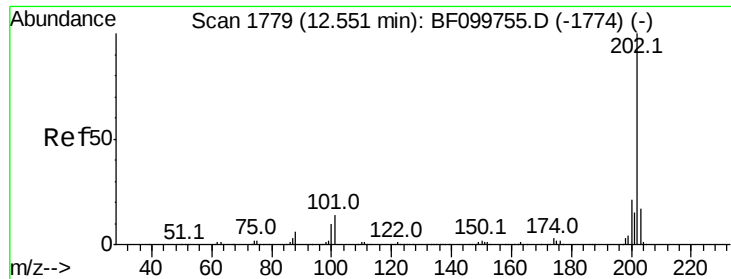
Tot Ion:178 Resp: 153276
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 15.1 13.0 19.6



#71
 Anthracene
 Concen: 3.144 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF100083.D
 Acq: 2 Nov 2017 14:33

Tgt Ion:178 Resp: 46936
 Ion Ratio Lower Upper
 178 100
 176 16.6 15.4 23.2
 179 16.7 12.6 19.0





#74

Fluoranthene

Concen: 11.664 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF100083.D

Acq: 2 Nov 2017 14:33

Instrument :

BNA_F

ClientSampleId :

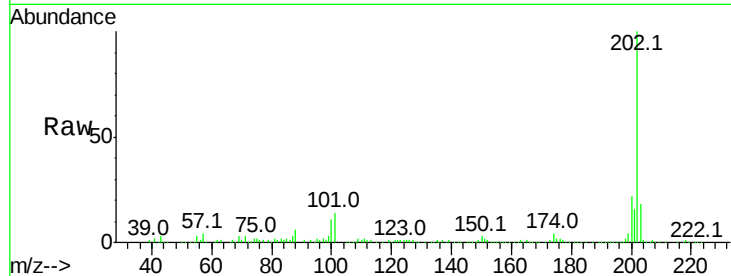
Tot Ion:202 Resp: 178302

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

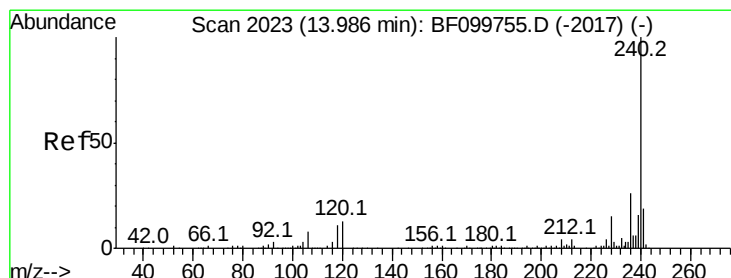
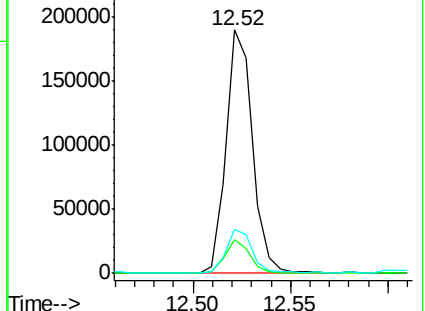
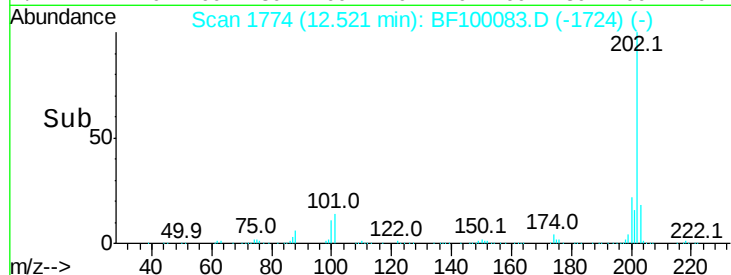
203 18.0 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF100083.D

Acq: 2 Nov 2017 14:33

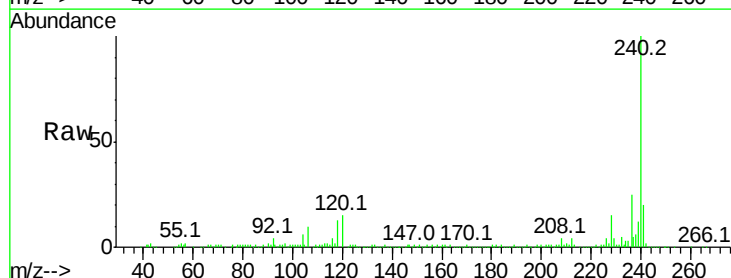
Tgt Ion:240 Resp: 169635

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

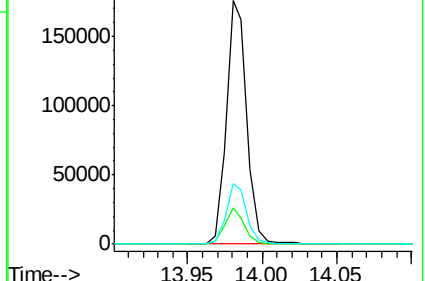
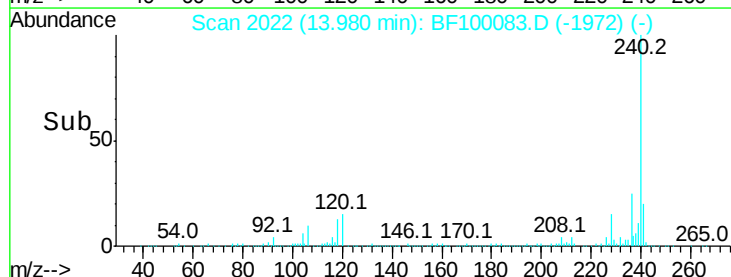
236 25.0 20.7 31.1

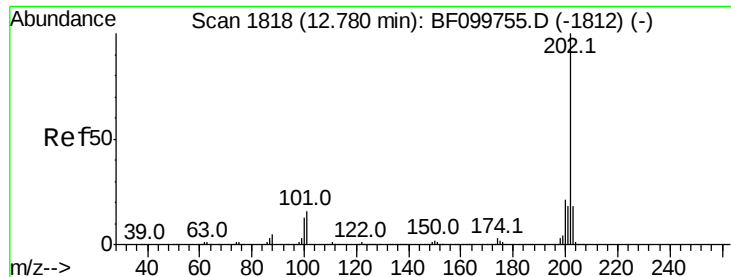


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

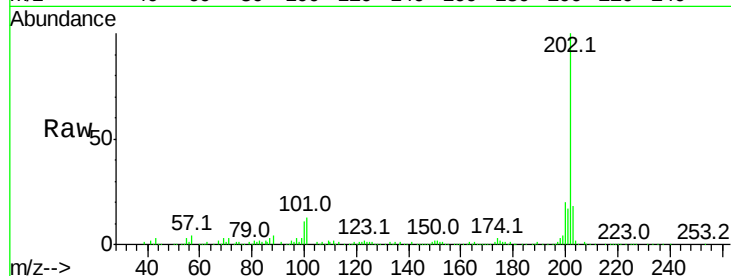




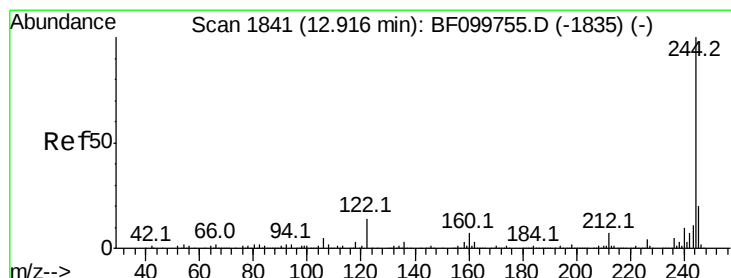
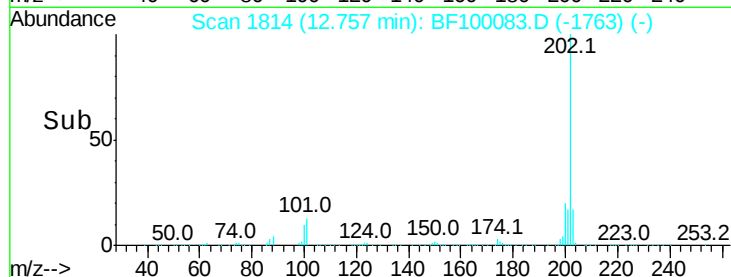
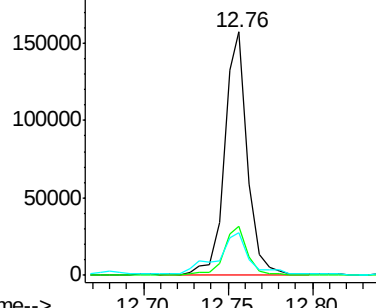
#77
Pvrene
Concen: 11.306 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BF100083.D
Acq: 2 Nov 2017 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 145840
Ion Ratio Lower Upper
202 100
200 20.0 17.4 26.2
203 17.7 14.3 21.5

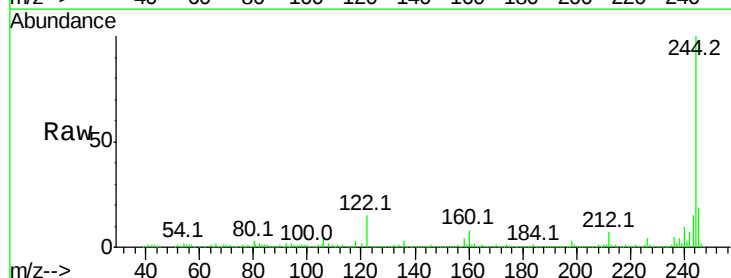


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

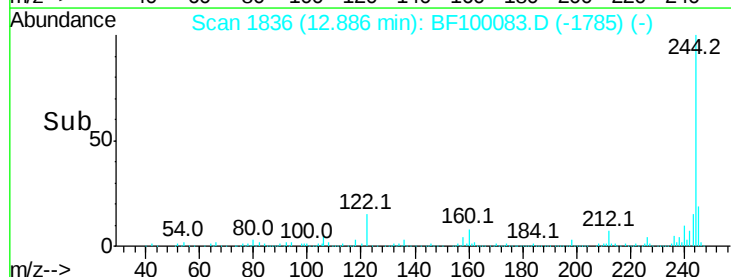
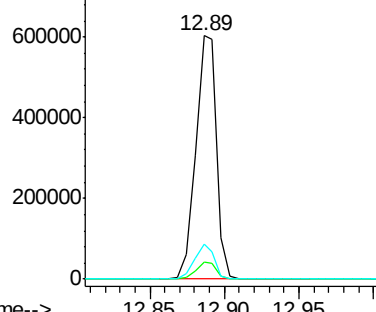


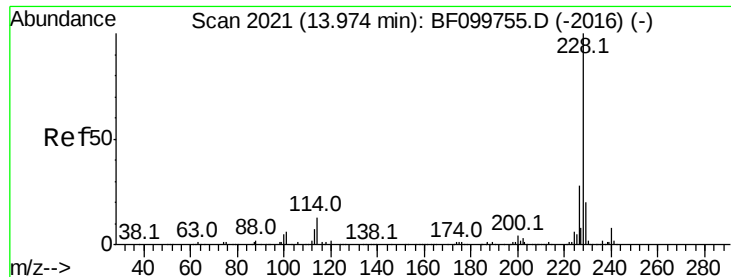
#78
Terphenyl-d14
Concen: 76.693 ng
RT: 12.89 min Scan# 1836
Delta R.T. 0.00 min
Lab File: BF100083.D
Acq: 2 Nov 2017 14:33

Tgt Ion:244 Resp: 595311
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 14.6 11.0 16.4



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

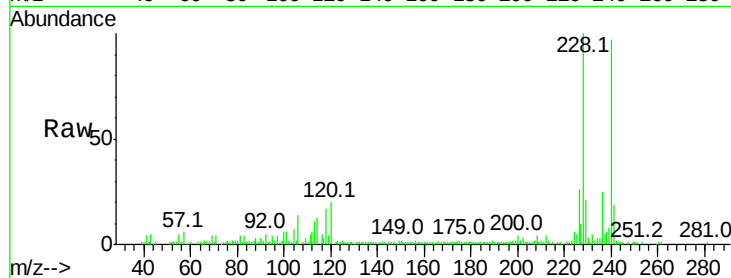




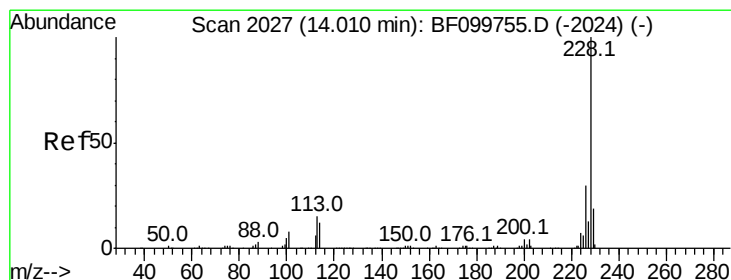
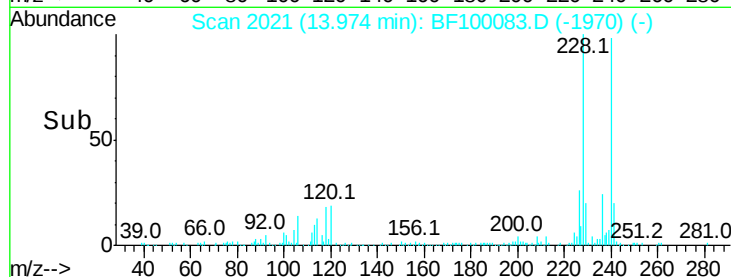
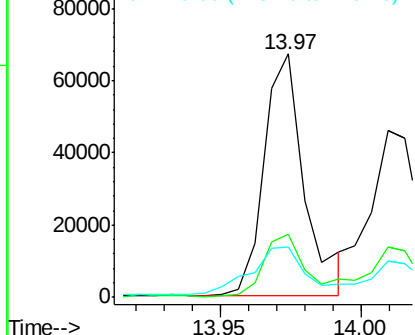
#80
Benzo(a)anthracene
Concen: 6.155 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF100083.D
Acq: 2 Nov 2017 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 66191
Ion Ratio Lower Upper
228 100
226 26.2 22.6 33.8
229 20.9 15.8 23.6

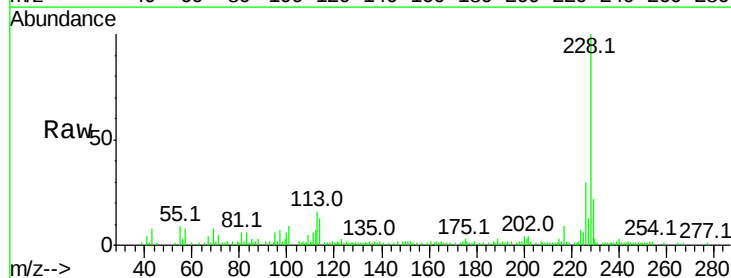


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

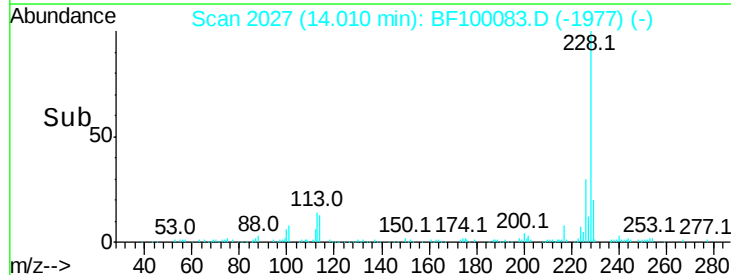
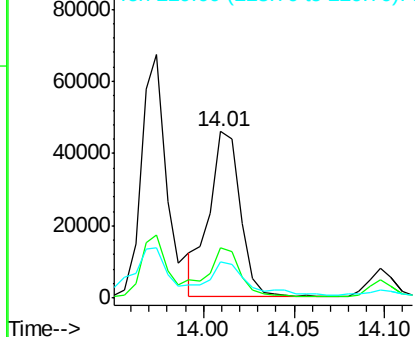


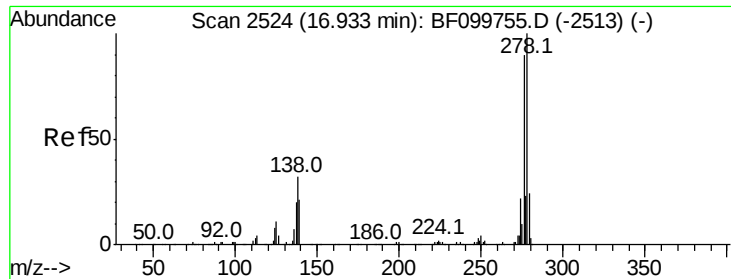
#82
Chrysene
Concen: 5.385 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF100083.D
Acq: 2 Nov 2017 14:33

Tgt Ion:228 Resp: 54445
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 21.7 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: 3.433 ng

RT: 17.03 min Scan# 2541

Delta R.T. 0.02 min

Lab File: BF100083.D

Acq: 2 Nov 2017 14:33

Instrument :

BNA_F

ClientSampleId :

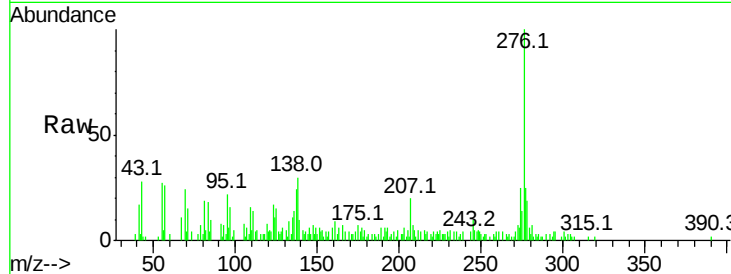
Tot Ion:276 Resp: 31861

Ion Ratio Lower Upper

276 100

138 30.6 25.0 37.6

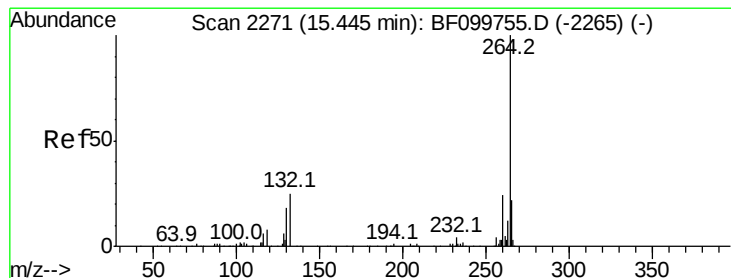
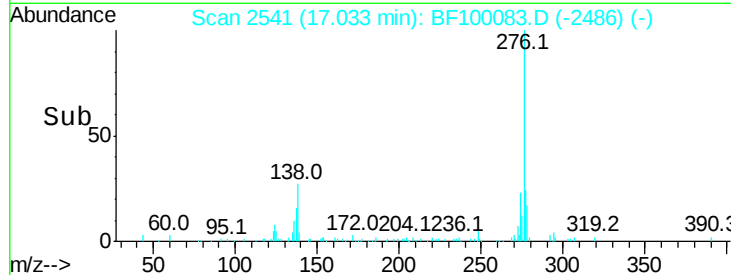
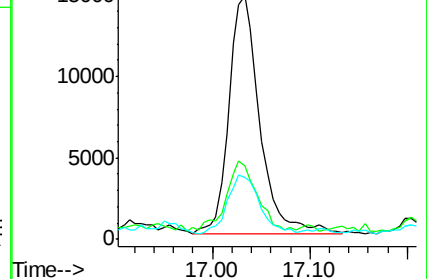
277 25.6 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BF100083.D

Acq: 2 Nov 2017 14:33

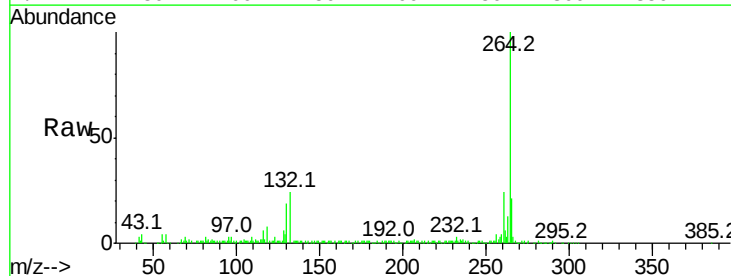
Tgt Ion:264 Resp: 163989

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

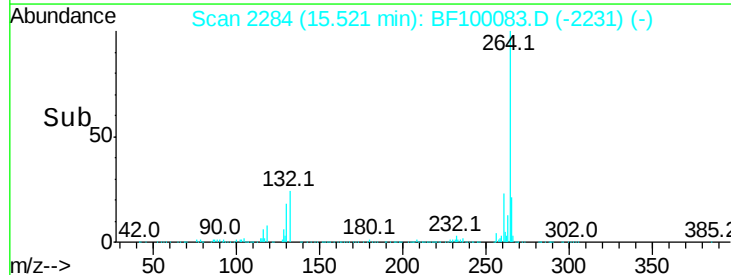
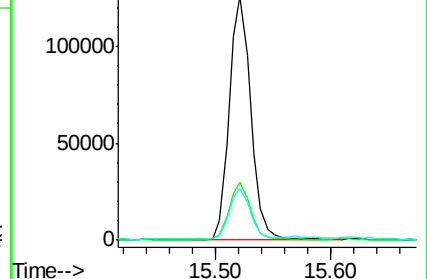
265 21.3 17.5 26.3

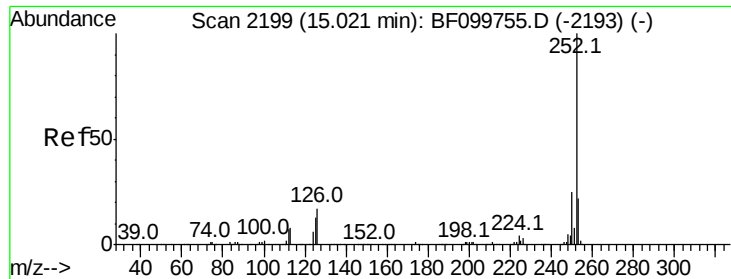


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.493 ng

RT: 15.09 min Scan# 2211

Delta R.T. 0.01 min

Lab File: BF100083.D

Acq: 2 Nov 2017 14:33

Instrument :

BNA_F

ClientSampleId :

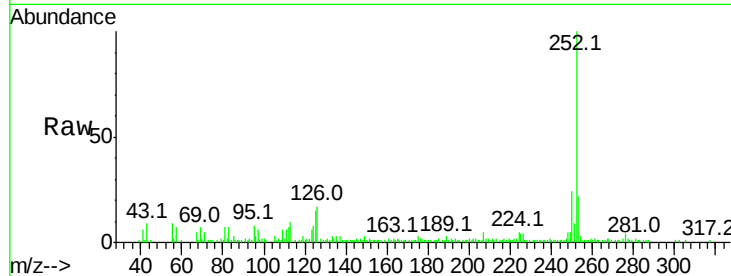
Tot Ion:252 Resp: 98305

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

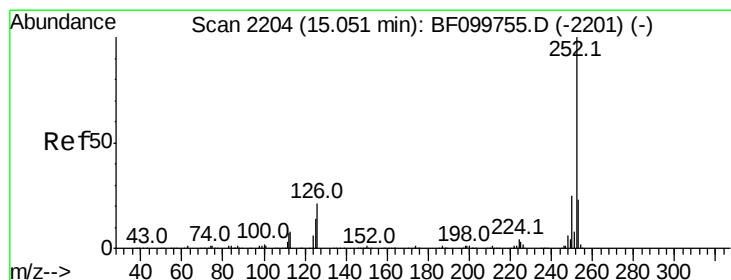
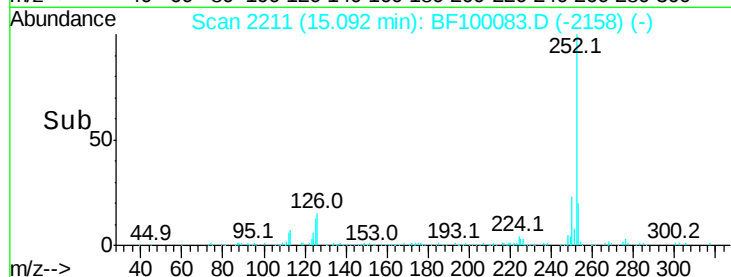
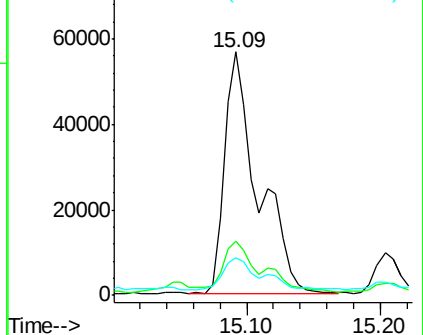
125 15.4 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 10.068 ng

RT: 15.09 min Scan# 2211

Delta R.T. -0.02 min

Lab File: BF100083.D

Acq: 2 Nov 2017 14:33

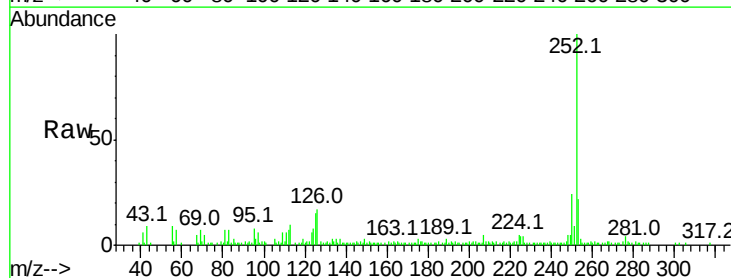
Tgt Ion:252 Resp: 98305

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

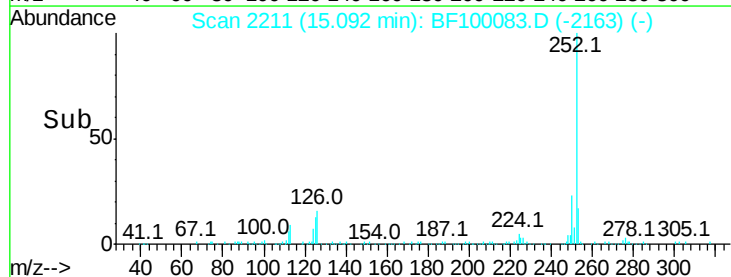
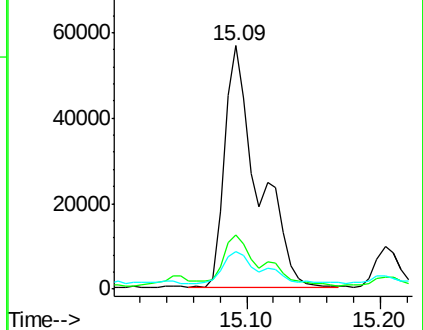
125 15.4 10.2 15.2#

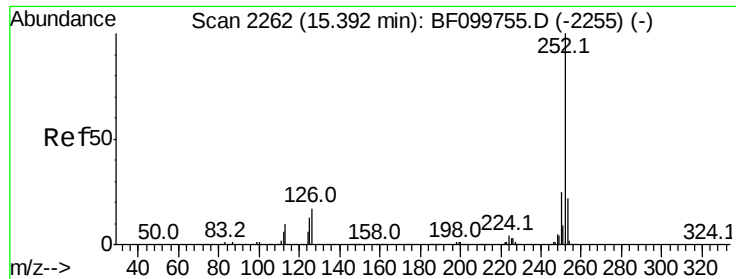


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.771 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF100083.D

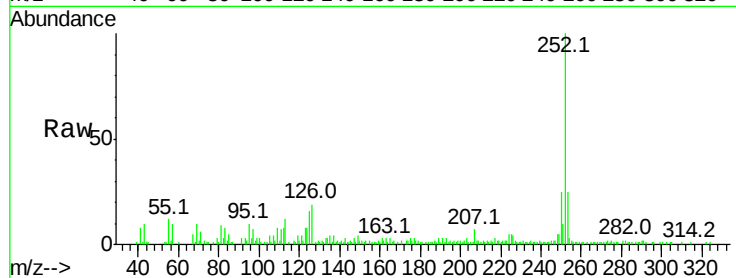
Acq: 2 Nov 2017 14:33

Instrument :

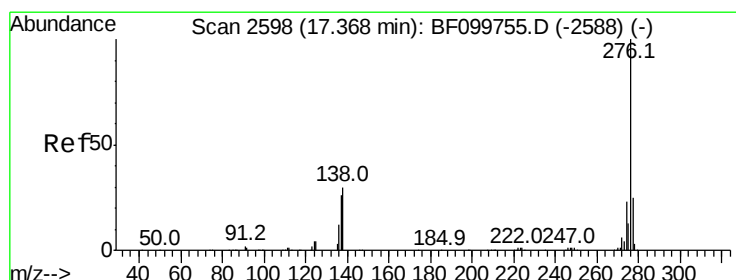
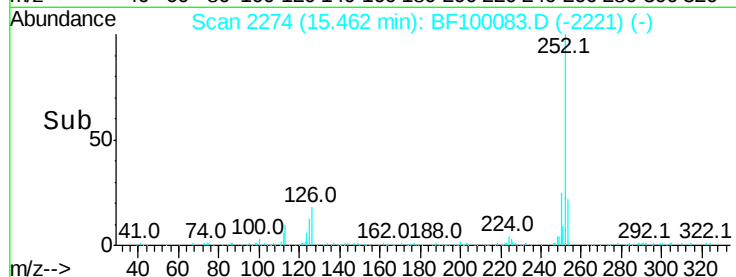
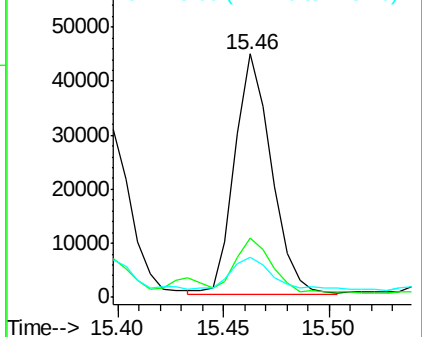
BNA_F

ClientSampleId :

Tot Ion:252	Resp:	53678
Ion Ratio	Lower	Upper
252	100	
253	24.5	17.1 25.7
125	16.2	9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 4.034 ng

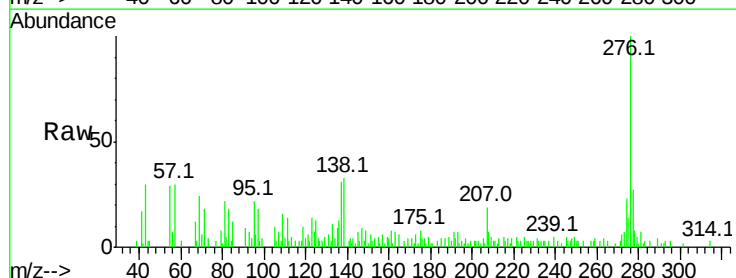
RT: 17.49 min Scan# 2618

Delta R.T. 0.03 min

Lab File: BF100083.D

Acq: 2 Nov 2017 14:33

Tgt Ion:276	Resp:	32617
Ion Ratio	Lower	Upper
276	100	
277	26.8	17.9 26.9
138	33.3	21.8 32.8#



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

