

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099787.D
 Acq On : 24 Oct 2017 14:48
 Operator : SJ/JU
 Sample : I6028-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 24 18:09:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 23:39:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	102007	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	435013	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	202626	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	343223	20.00	ng	0.00
75) Chrysene-d12	13.98	240	200162	20.00	ng	0.00
86) Perylene-d12	15.45	264	205230	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	536285	82.54	ng	0.00
7) Phenol-d6	6.45	99	643165	83.48	ng	0.00
23) Nitrobenzene-d5	7.37	82	372380	55.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	138169	74.82	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	674936	51.39	ng	0.00
78) Terphenyl-d14	12.92	244	471625	51.49	ng	0.00

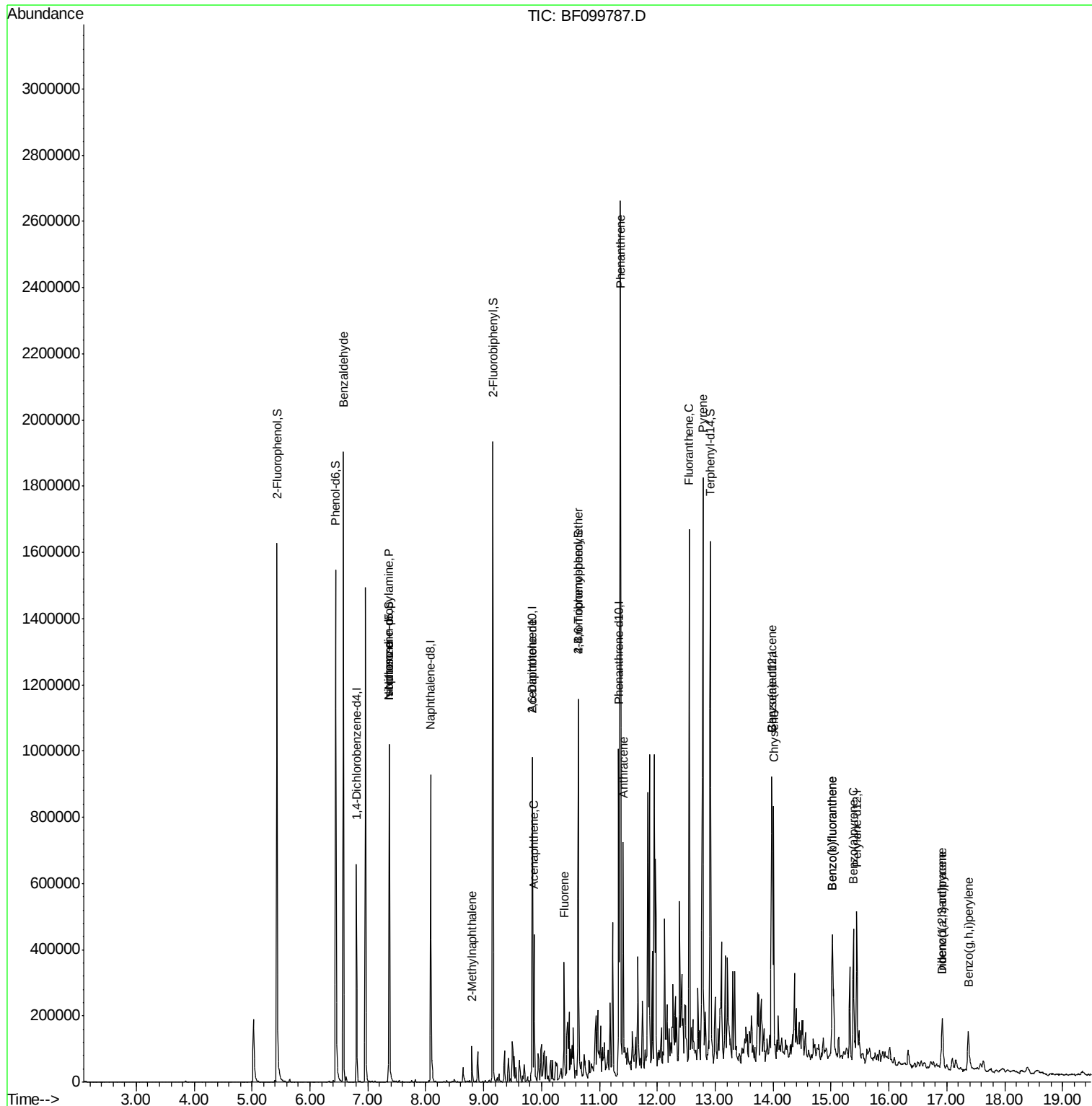
Target Compounds

						Qvalue
9) Benzaldehyde	6.57	77	10161	2.207	ng	87
19) n-Nitroso-di-n-propylamine	7.37	70	46719	10.348	ng	# 70
25) Isophorone	7.37	82	372378	30.371	ng	# 64
37) 2-Methylnaphthalene	8.80	142	31297	2.224	ng	98
50) 2,6-Dinitrotoluene	9.84	165	27626	8.190	ng	# 25
51) Acenaphthene	9.87	154	88309	7.049	ng	98
57) Fluorene	10.39	166	91490	6.248	ng	97
66) 4-Bromophenyl-phenylether	10.64	248	9208	2.548	ng	# 1
70) Phenanthrene	11.36	178	1037803	53.579	ng	99
71) Anthracene	11.41	178	242343	12.326	ng	98
74) Fluoranthene	12.55	202	585506	29.087	ng	100
77) Pyrene	12.79	202	781398	51.340	ng	98
80) Benzo(a)anthracene	13.97	228	254481	20.055	ng	97
82) Chrysene	14.01	228	275922	23.130	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	81056	7.401	ng	98
87) Benzo(b)fluoranthene	15.02	252	268914	20.751	ng	# 97
88) Benzo(k)fluoranthene	15.02	252	268914	22.006	ng	97
89) Benzo(a)pyrene	15.39	252	187279	16.088	ng	97
90) Dibenzo(a,h)anthracene	16.92	278	23312	2.254	ng	# 76
91) Benzo(a,h,i)perylene	17.37	276	90879	8.980	ng	98

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

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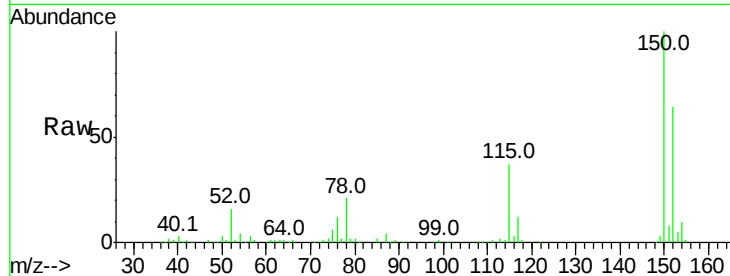


#1

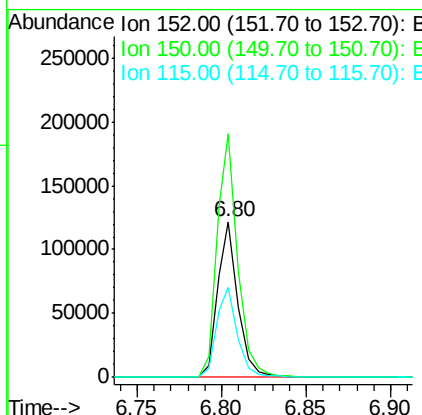
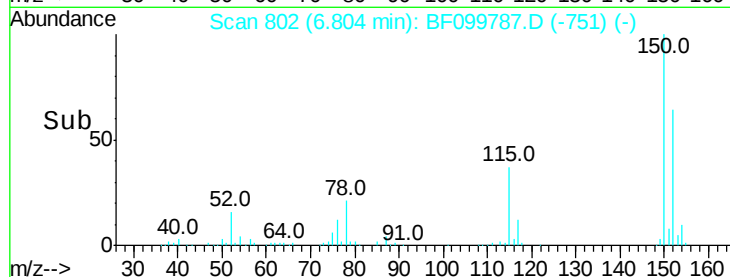
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	57.9	50.1	75.1



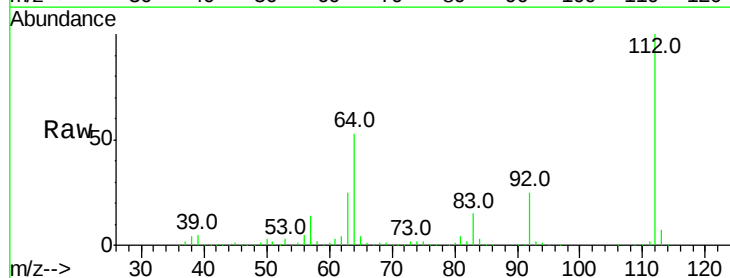
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



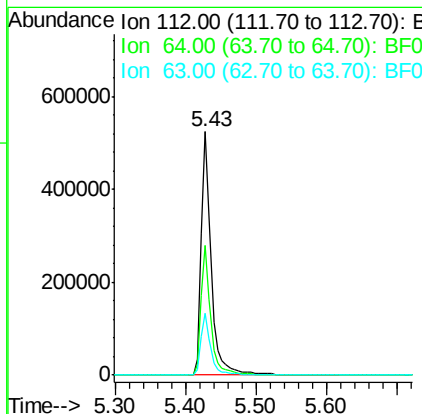
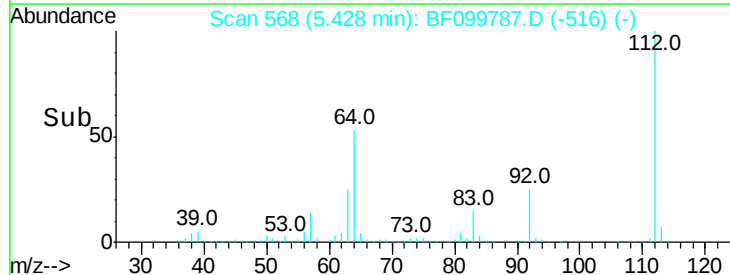
#5

2-Fluorophenol
Concen: 82.538 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	47.9	71.9
63	25.2	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 83.484 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

Instrument :

BNA_F

ClientSampleId :

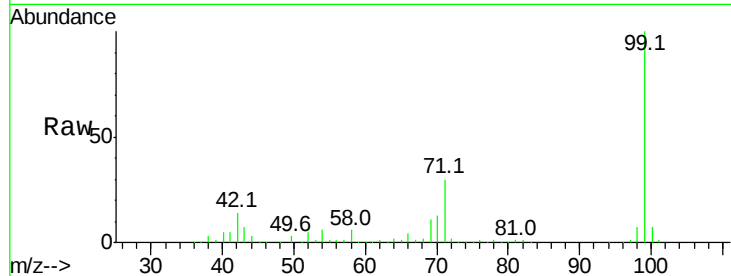
Tot Ion: 99 Resp: 643165

Ion Ratio Lower Upper

99 100

42 14.4 14.5 21.7#

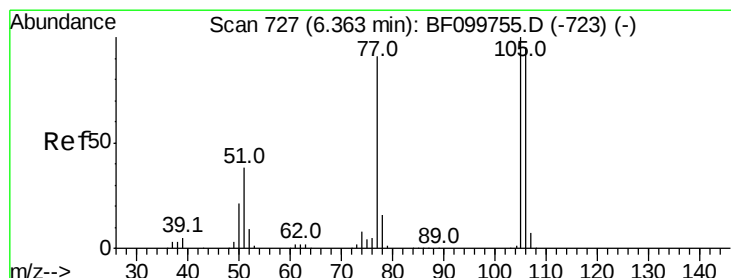
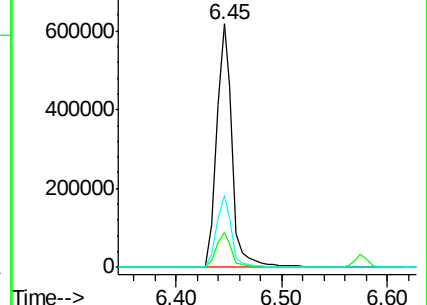
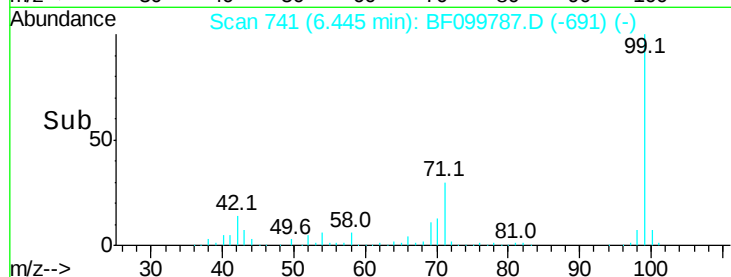
71 29.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.207 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.21 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

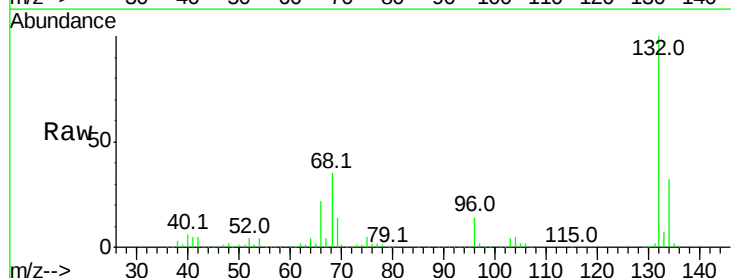
Tgt Ion: 77 Resp: 10161

Ion Ratio Lower Upper

77 100

105 82.4 81.1 121.1

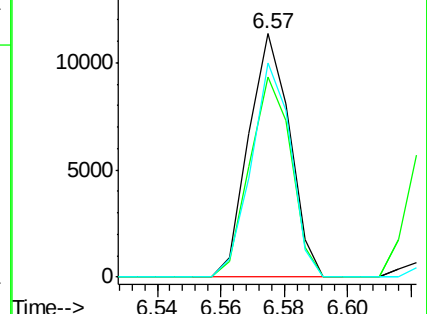
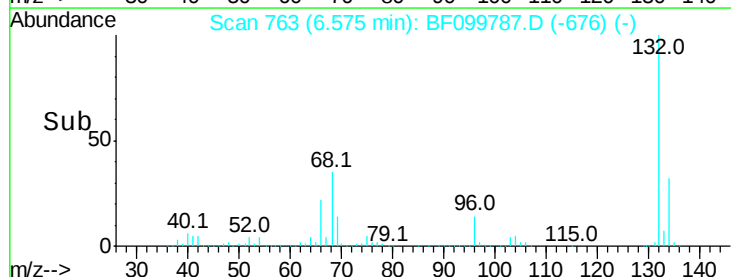
106 88.0 74.5 114.5

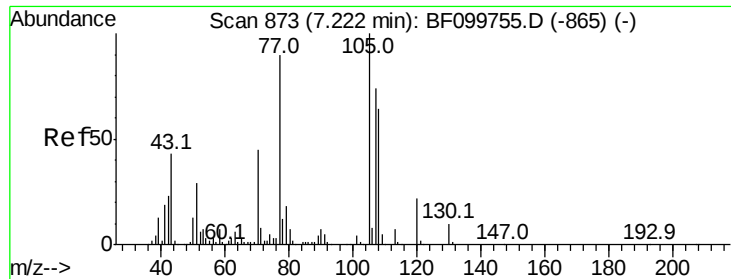


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

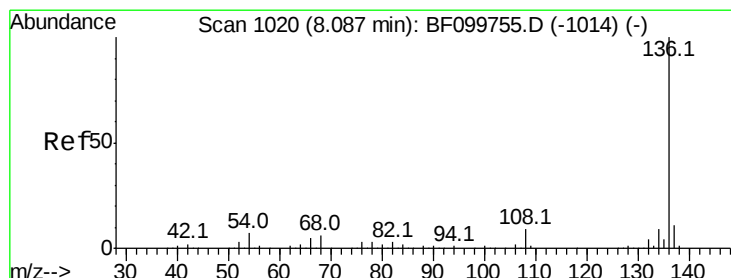
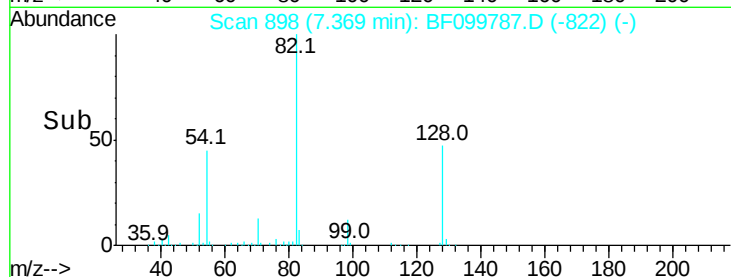
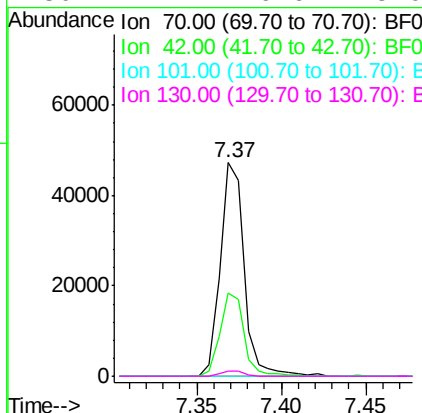
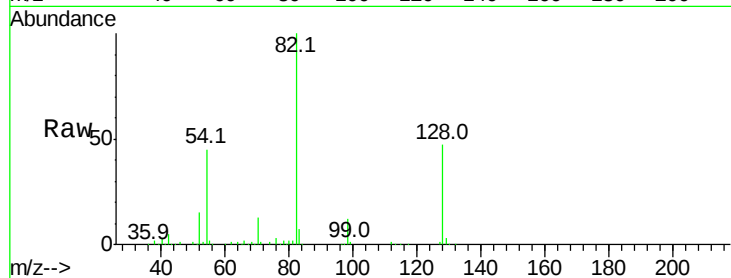




#19
n-Nitroso-di-n-propylamine
Concen: 10.348 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.15 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

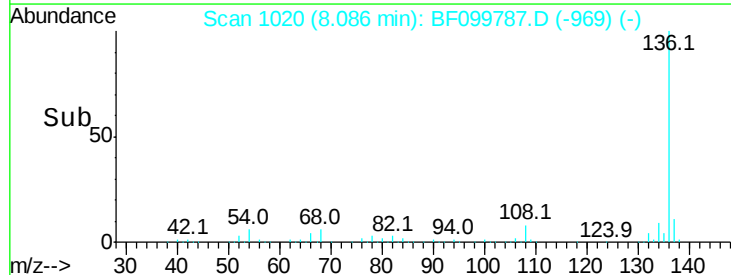
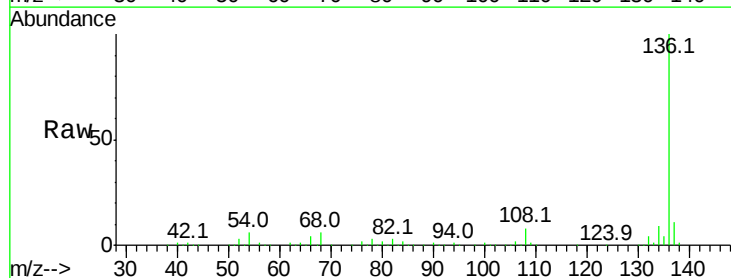
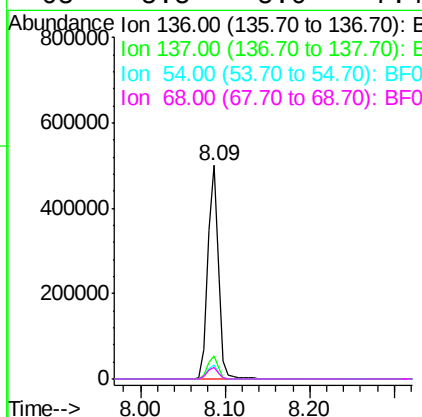
Instrument :
BNA_F
ClientSampleId :

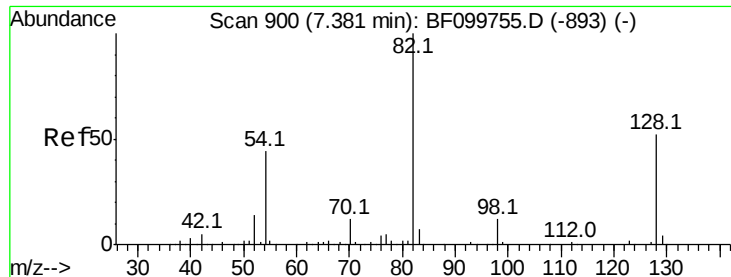
Tot Ion: 70 Resp: 46719
Ion Ratio Lower Upper
70 100
42 39.1 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Tgt Ion:136 Resp: 435013
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.4 6.6 9.8#
68 5.5 5.0 7.4

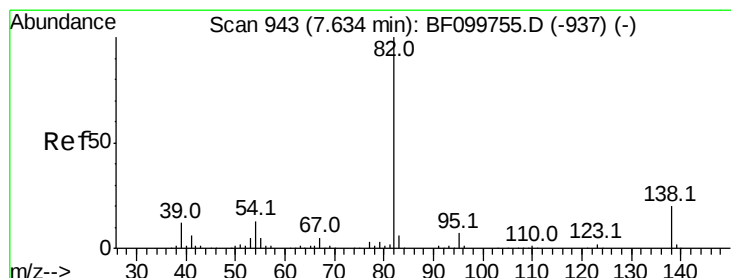
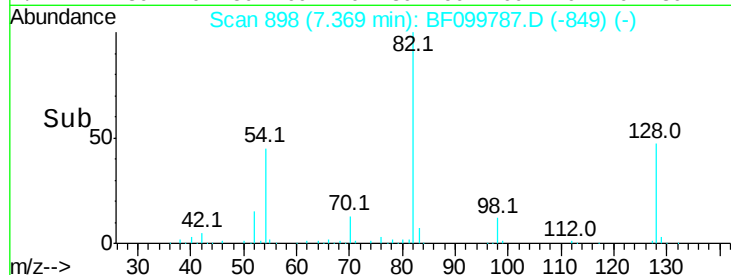
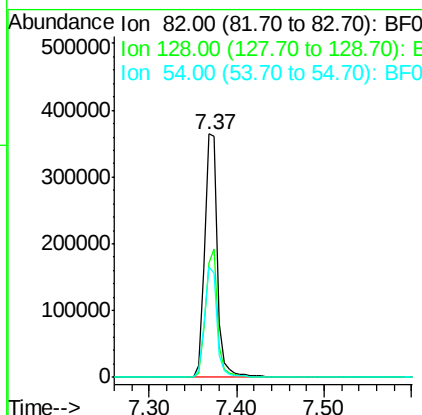
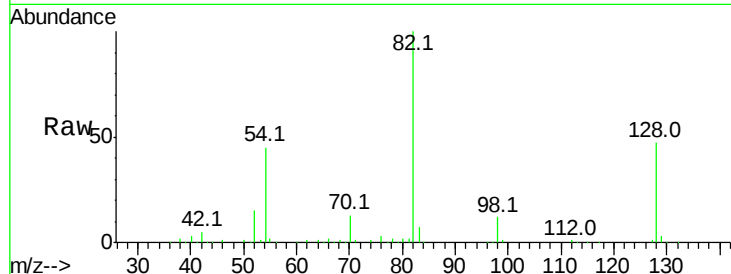




#23
 Nitrobenzene-d5
 Concen: 55.111 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

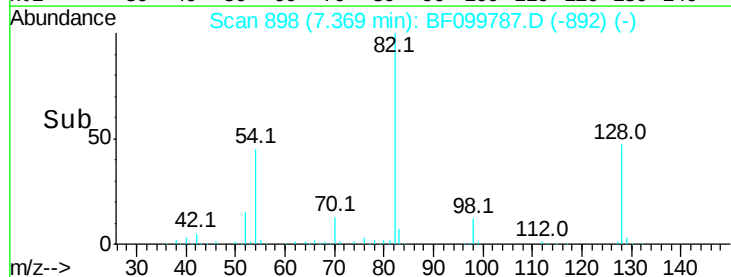
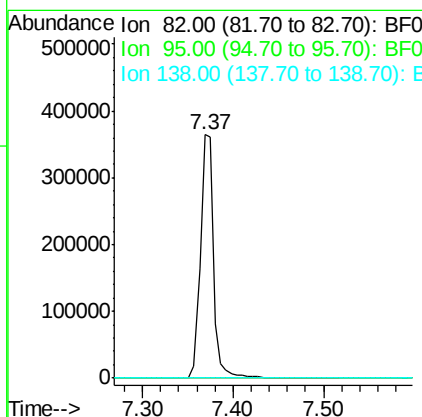
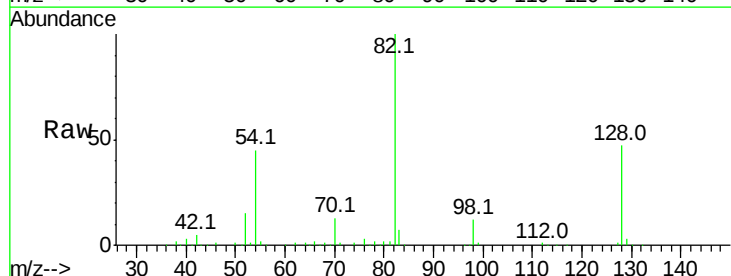
Instrument :
 BNA_F
 ClientSampled :

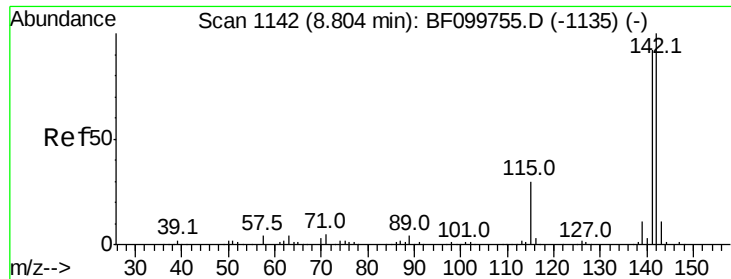
Tot Ion	82	Resp	372380
Ion Ratio	Lower	Upper	
82	100		
128	47.0	36.1	54.1
54	45.4	41.4	62.2



#25
 Isophorone
 Concen: 30.371 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.26 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Tgt Ion	82	Resp	372378
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#37

2-Methylnaphthalene

Concen: 2.224 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

Instrument :

BNA_F

ClientSampleId :

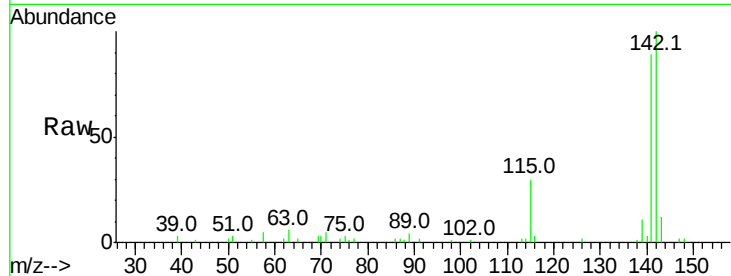
Tot Ion:142 Resp: 31297

Ion Ratio Lower Upper

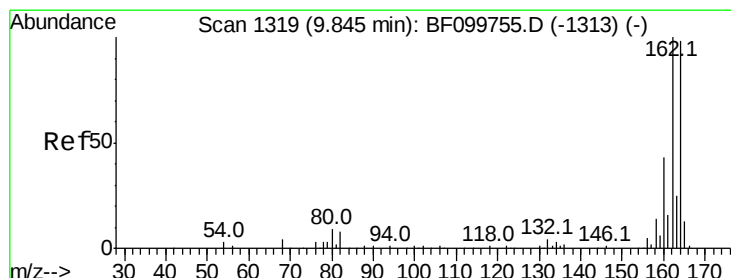
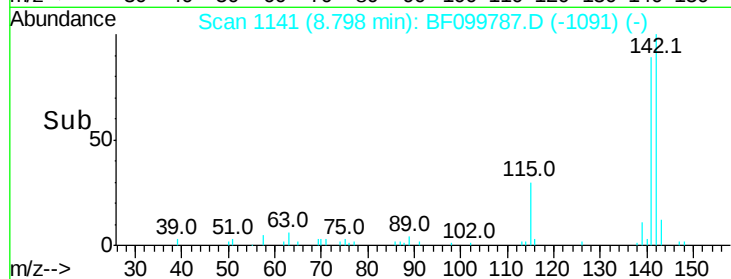
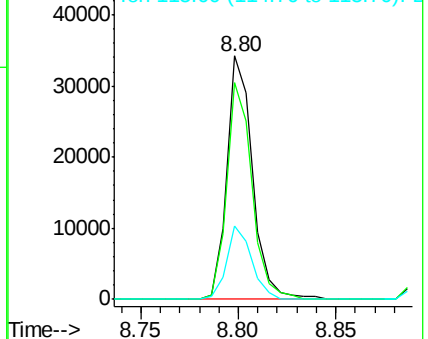
142 100

141 89.1 70.8 106.2

115 30.1 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

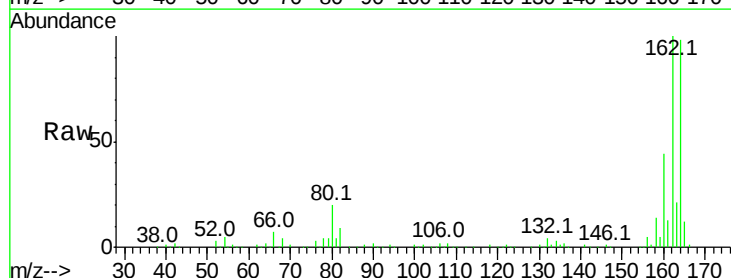
Tgt Ion:164 Resp: 202626

Ion Ratio Lower Upper

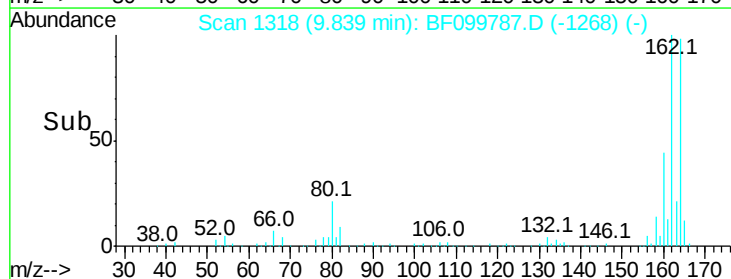
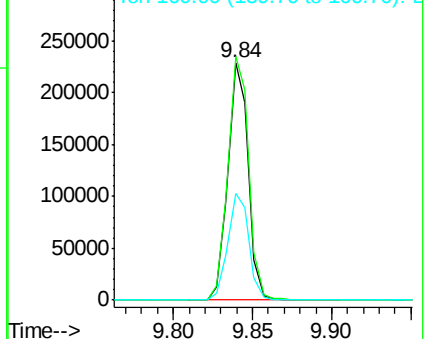
164 100

162 102.5 86.1 129.1

160 44.7 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

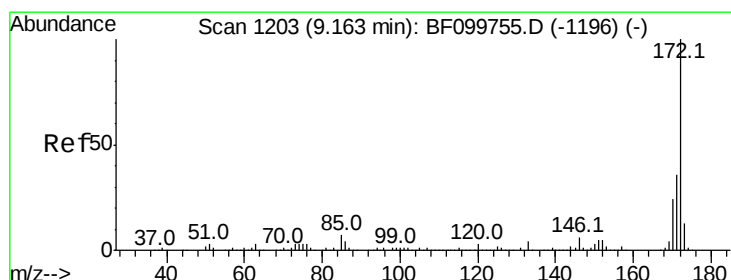
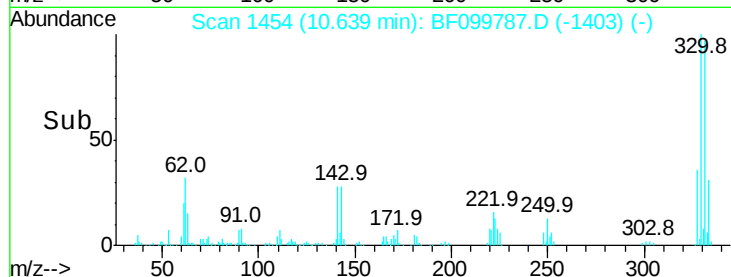
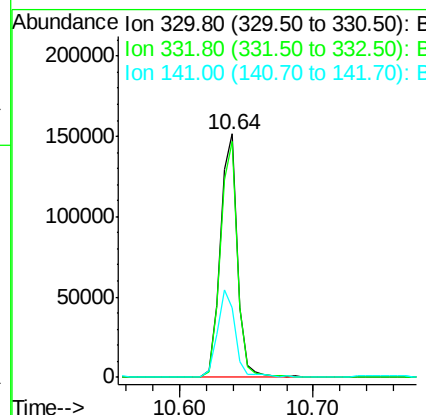
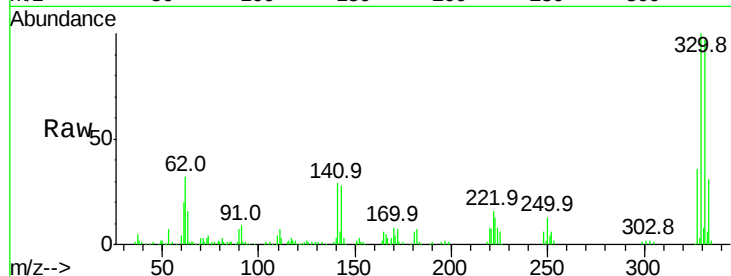




#41
 2,4,6-Tribromophenol
 Concen: 74.825 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

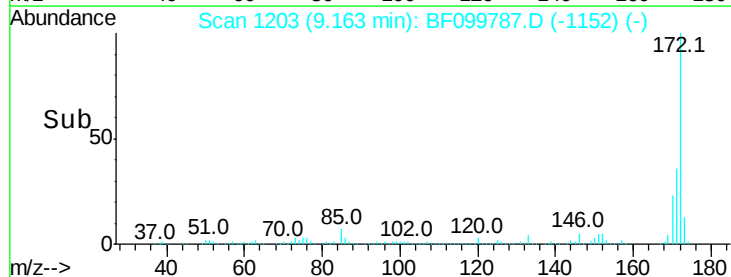
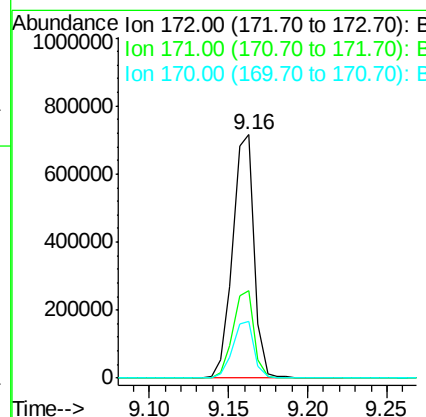
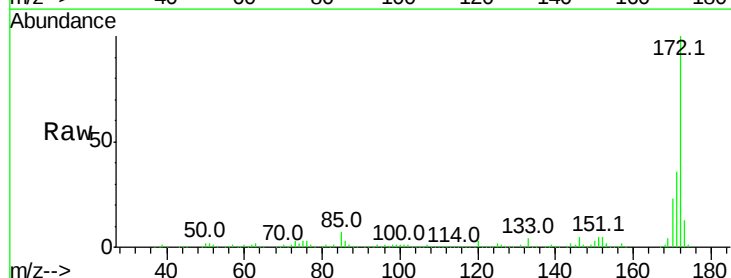
Instrument :
 BNA_F
 ClientSampleId :

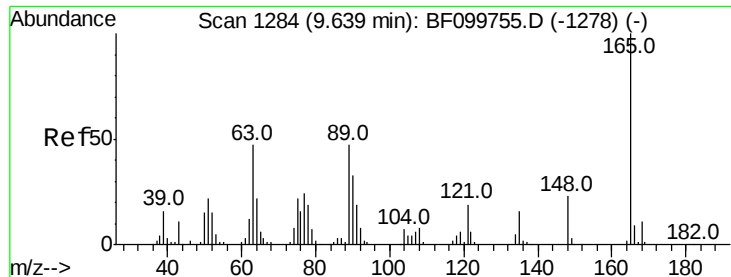
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	38.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 51.391 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.2	19.6	29.4

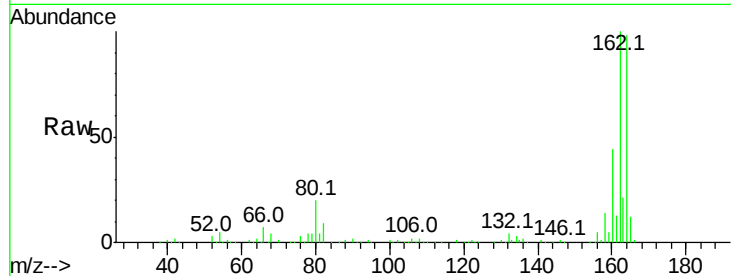




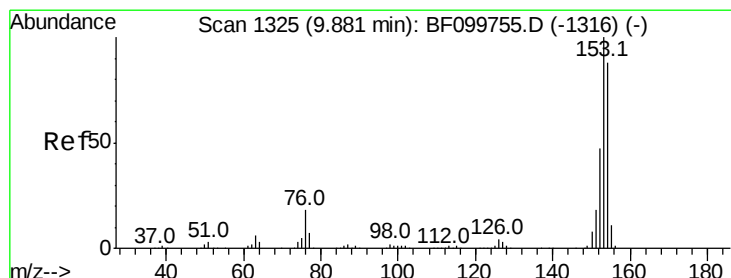
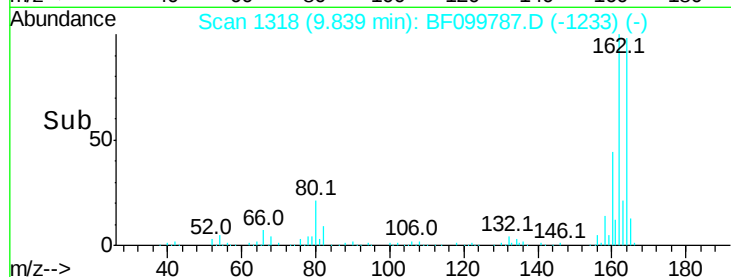
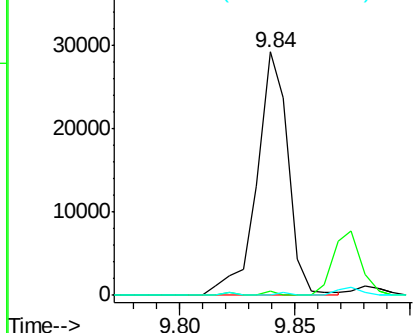
#50
 2,6-Dinitrotoluene
 Concen: 8.190 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	0.0	44.0	66.0#

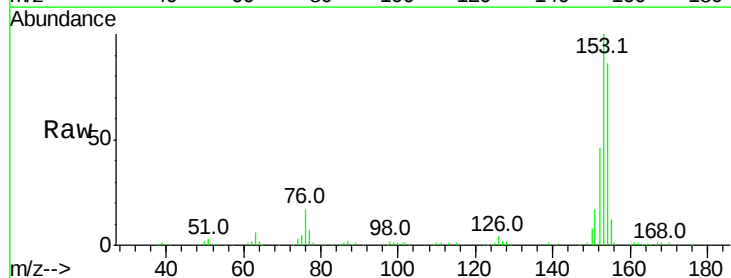


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

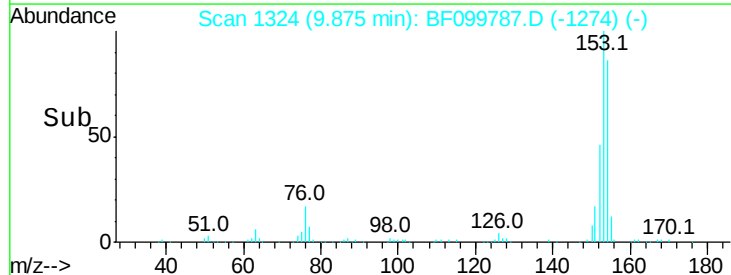
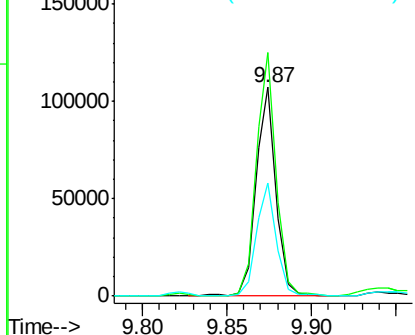


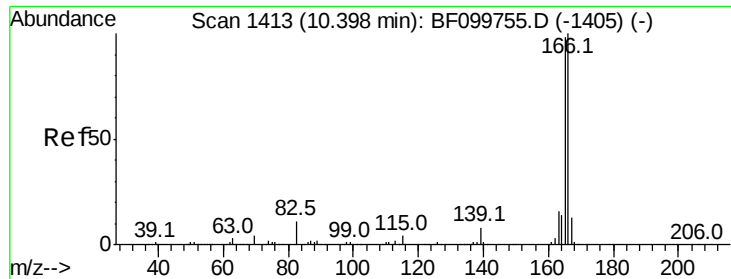
#51
 Acenaphthene
 Concen: 7.049 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.7	91.2	136.8
152	54.0	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

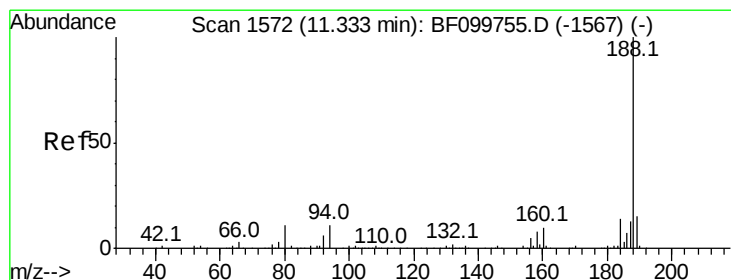
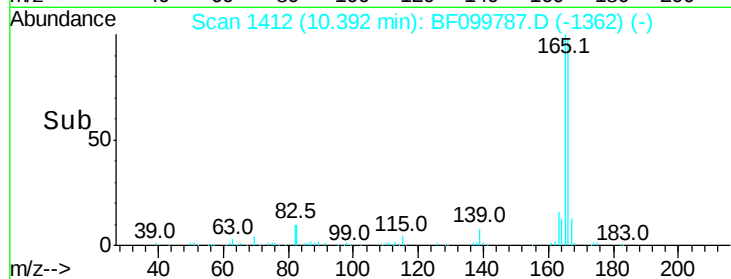
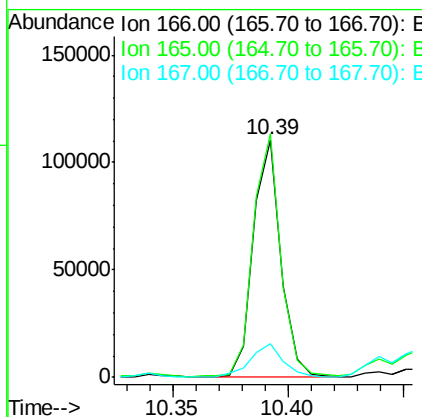
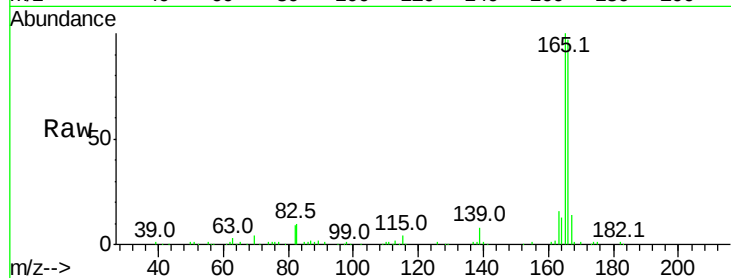




#57
 Fluorene
 Concen: 6.248 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

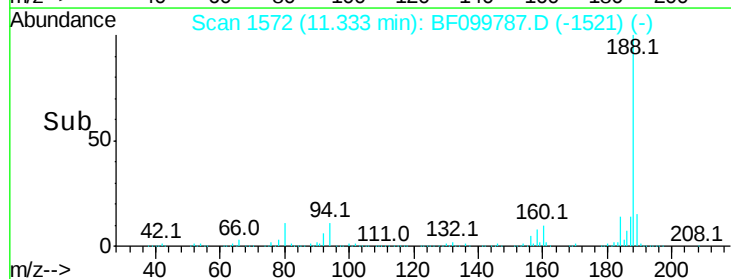
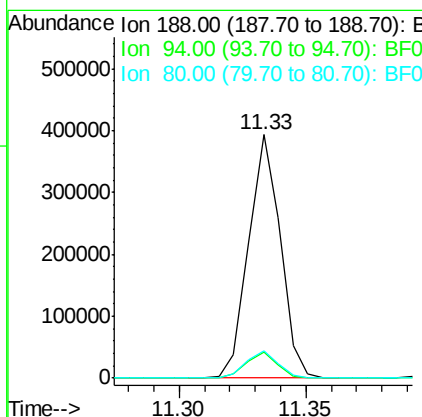
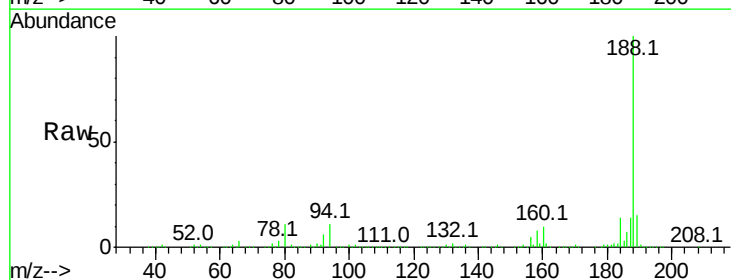
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 91490
 Ion Ratio Lower Upper
 166 100
 165 102.6 79.8 119.8
 167 14.4 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Tgt Ion:188 Resp: 343223
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 11.0 9.2 13.8

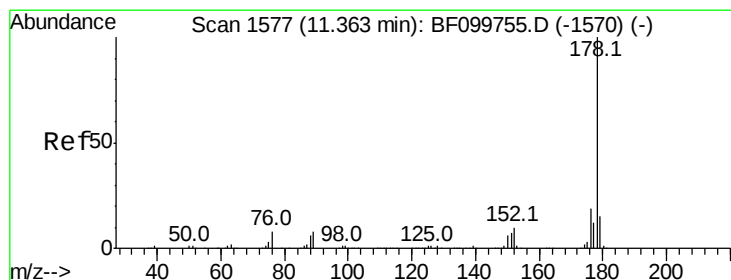
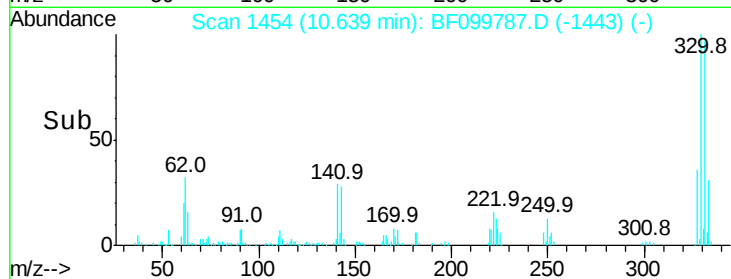
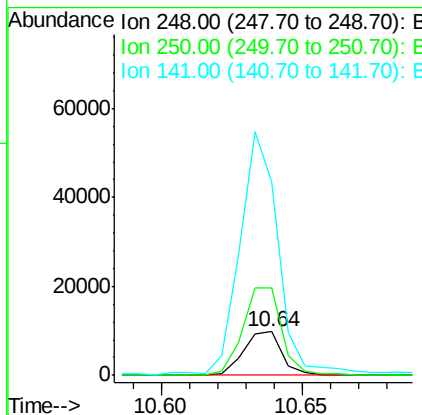
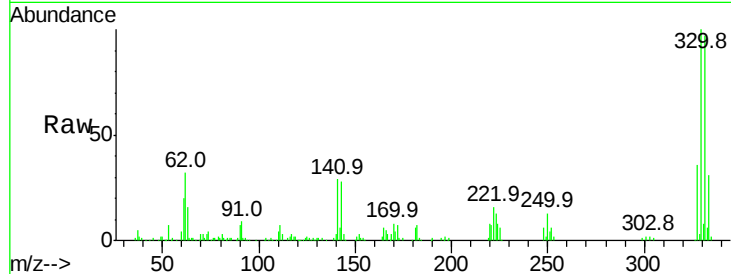




#66
 4-Bromophenyl-phenylether
 Concen: 2.548 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

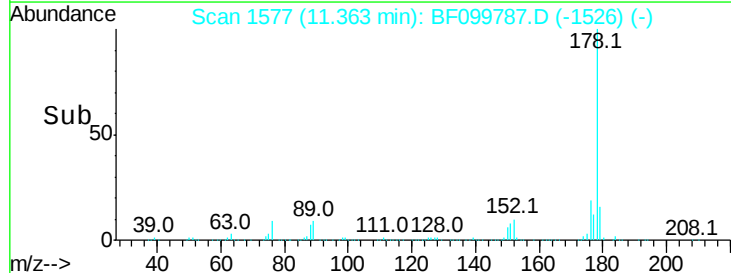
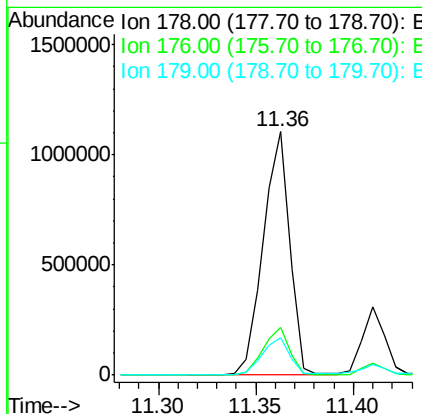
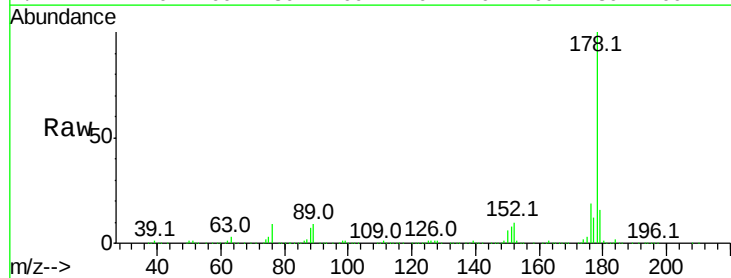
Instrument :
 BNA_F
 ClientSampleId :

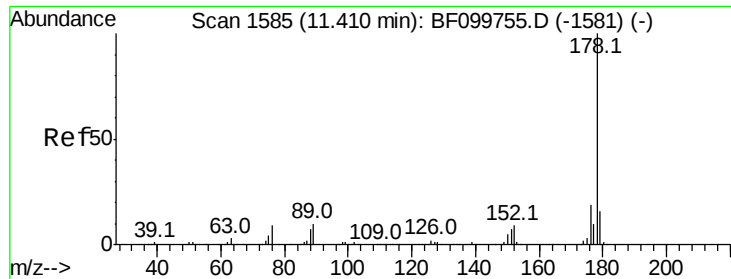
Tot Ion:248 Resp: 9208
 Ion Ratio Lower Upper
 248 100
 250 200.4 76.9 115.3#
 141 444.8 74.4 111.6#



#70
 Phenanthrene
 Concen: 53.579 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Tgt Ion:178 Resp: 1037803
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.6 13.0 19.6

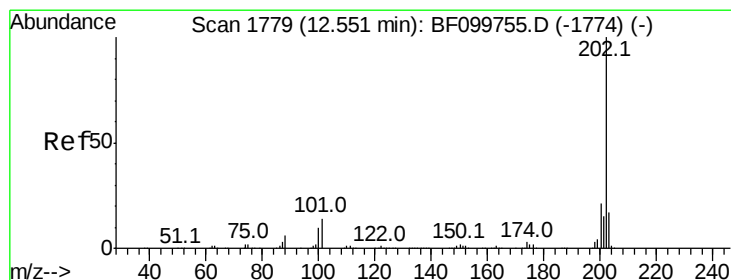
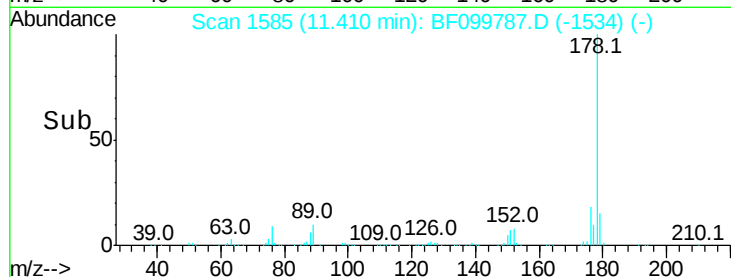
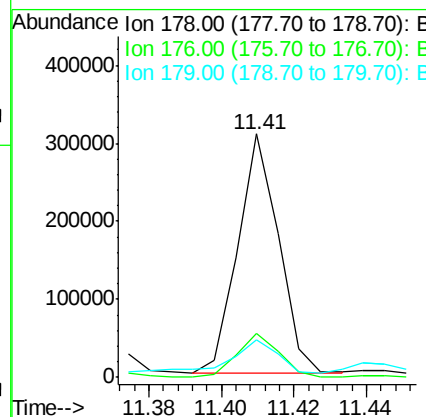
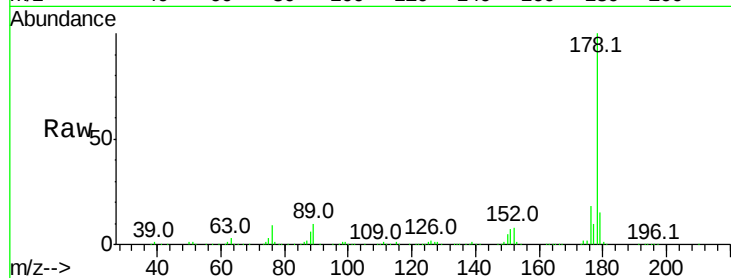




#71
 Anthracene
 Concen: 12.326 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

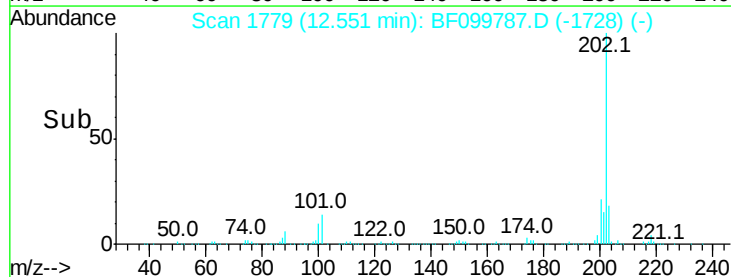
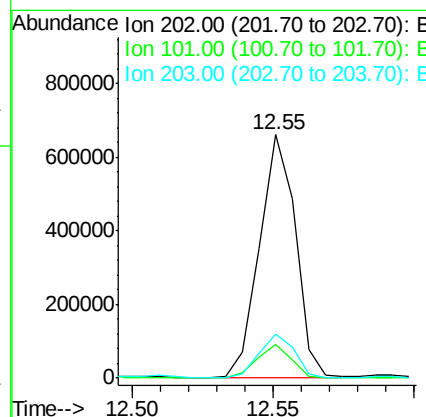
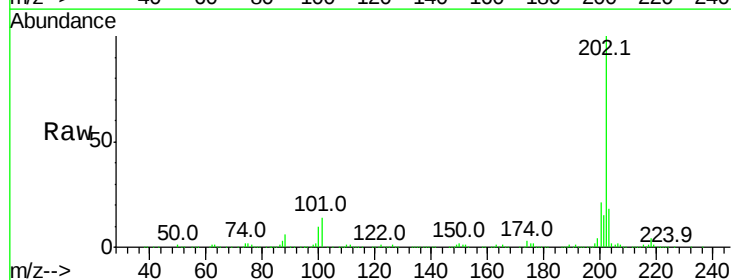
Instrument :
 BNA_F
 ClientSampleId :

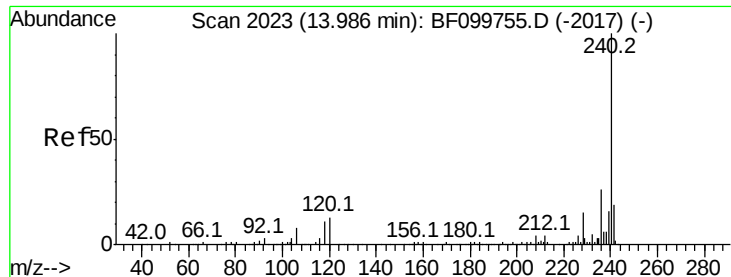
Tot Ion:178 Resp: 242343
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 15.4 12.6 19.0



#74
 Fluoranthene
 Concen: 29.087 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Tgt Ion:202 Resp: 585506
 Ion Ratio Lower Upper
 202 100
 101 14.1 0.0 34.1
 203 18.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

Instrument :

BNA_F

ClientSampleId :

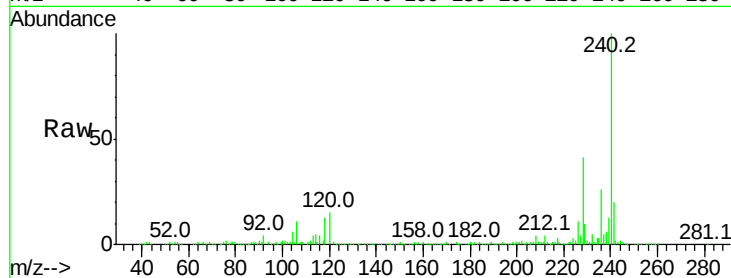
Tot Ion:240 Resp: 200162

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

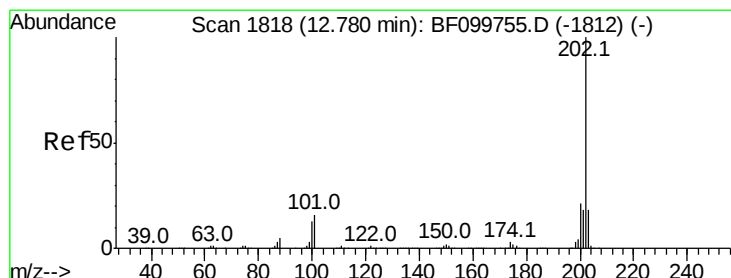
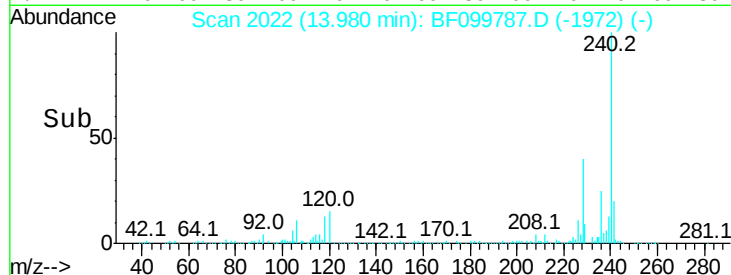
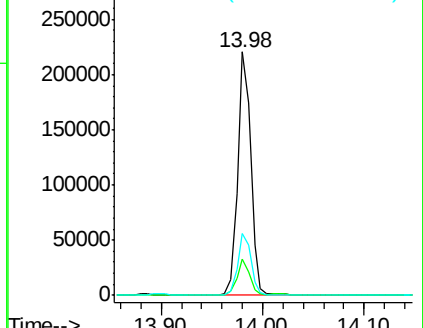
236 25.7 20.7 31.1



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

Pyrene

Concen: 51.340 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

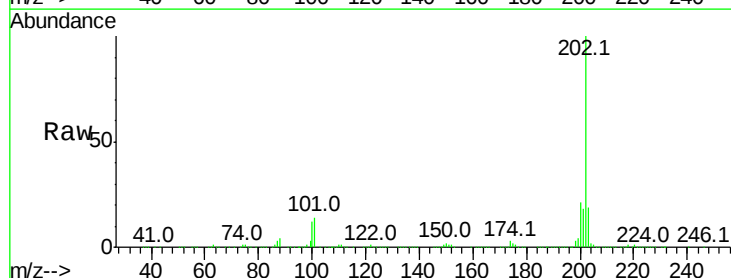
Tgt Ion:202 Resp: 781398

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

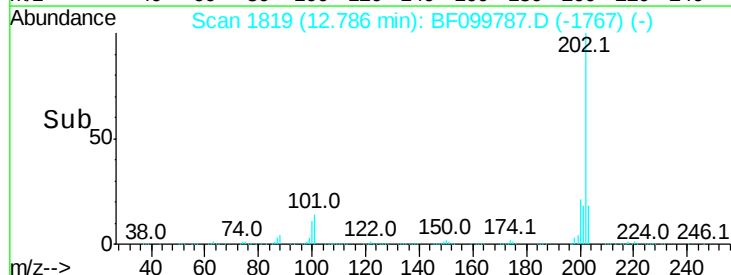
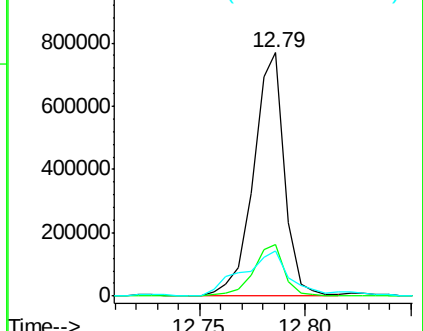
203 18.8 14.3 21.5

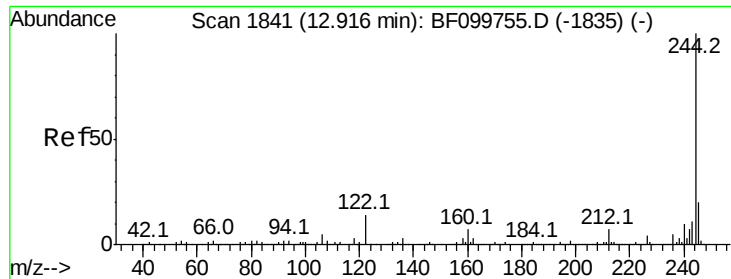


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

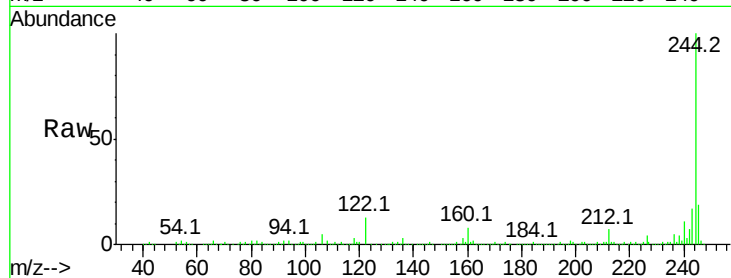




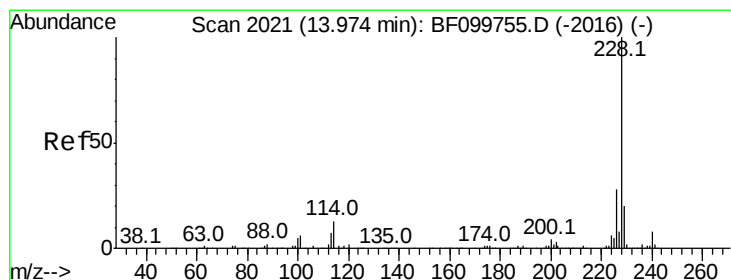
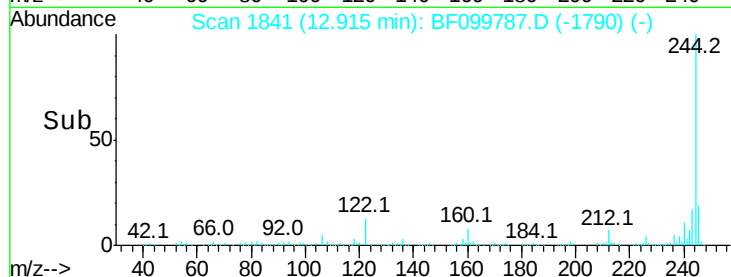
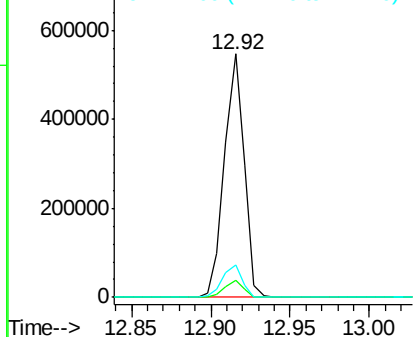
#78
 Terphenyl-d14
 Concen: 51.492 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 471625
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 13.4 11.0 16.4

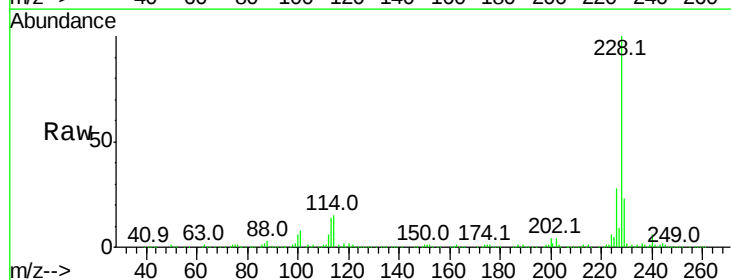


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

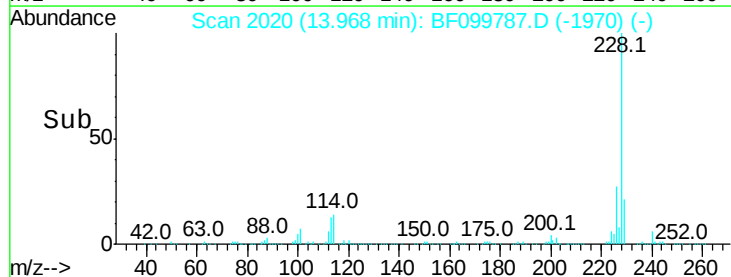
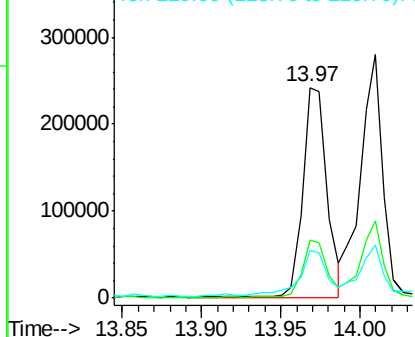


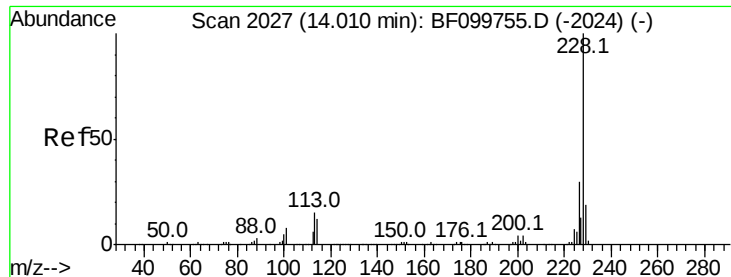
#80
 Benzo(a)anthracene
 Concen: 20.055 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Tgt Ion:228 Resp: 254481
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.6 33.8
 229 22.6 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: 23.130 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

Instrument :

BNA_F

ClientSampleId :

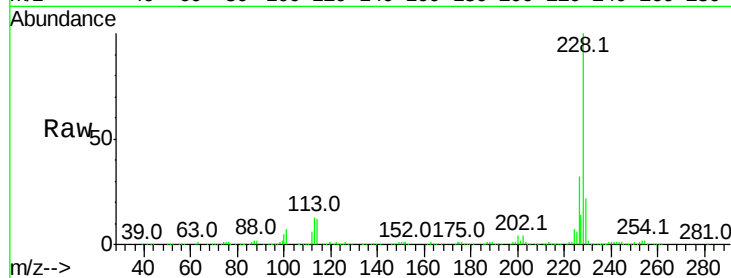
Tot Ion:228 Resp: 275922

Ion Ratio Lower Upper

228 100

226 31.8 25.0 37.6

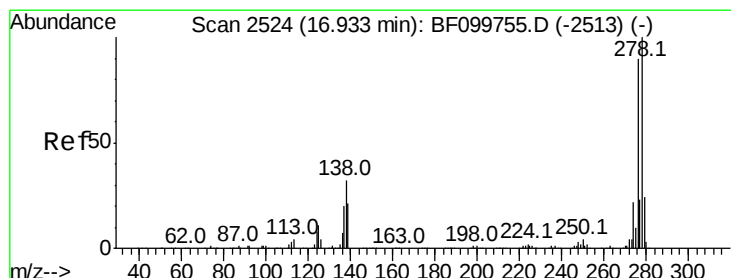
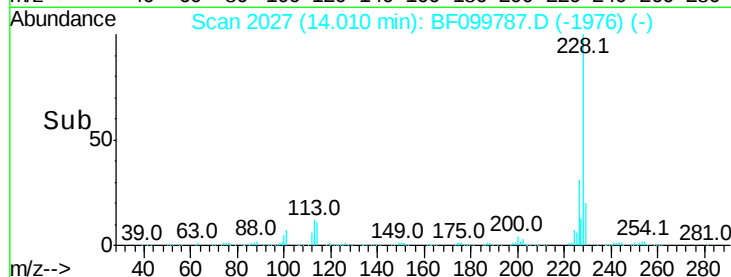
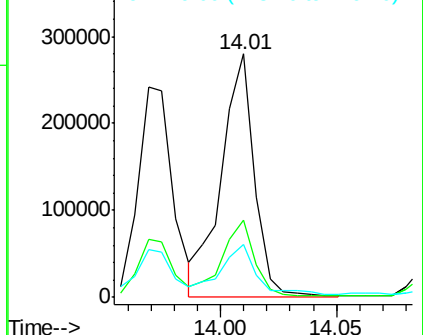
229 21.6 16.2 24.4



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: 7.401 ng

RT: 16.93 min Scan# 2523

Delta R.T. -0.01 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

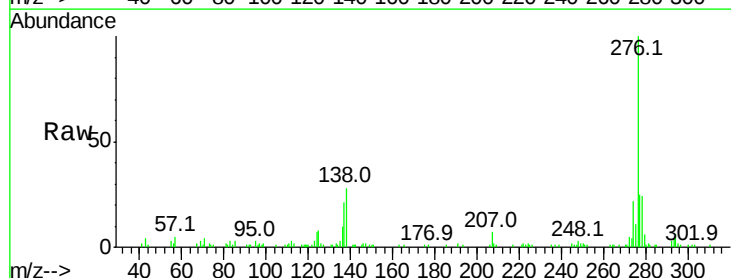
Tgt Ion:276 Resp: 81056

Ion Ratio Lower Upper

276 100

138 29.1 25.0 37.6

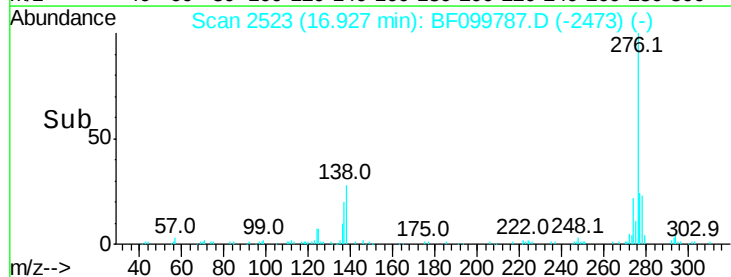
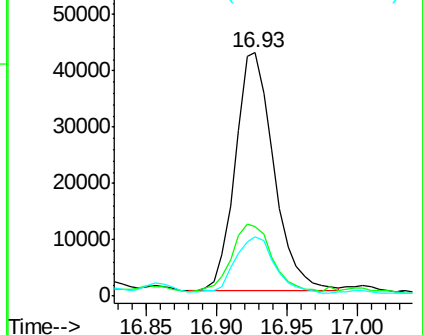
277 25.0 20.1 30.1

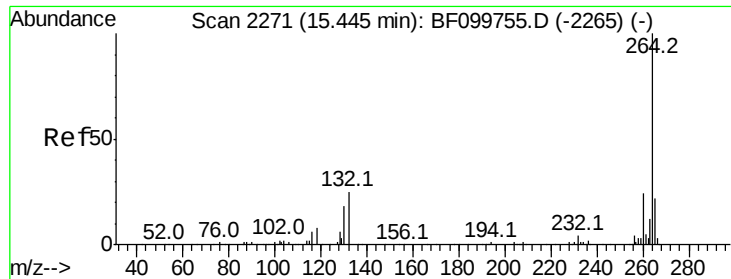


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

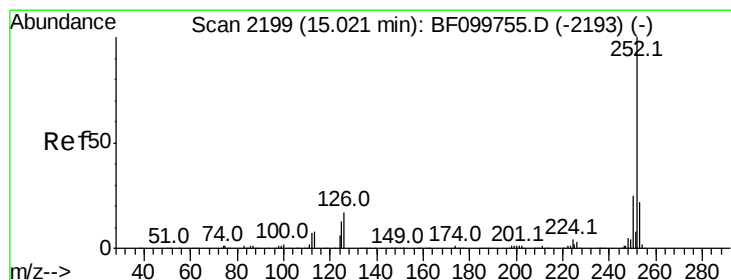
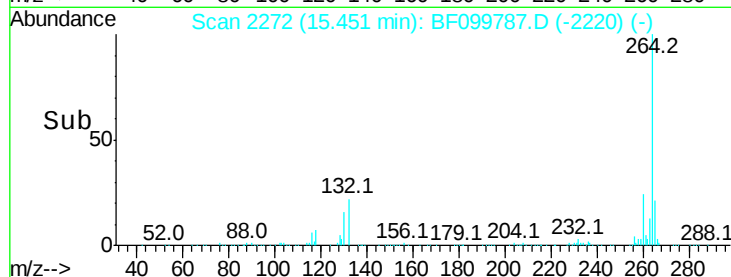
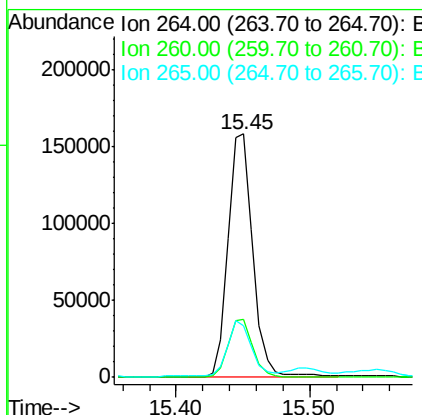
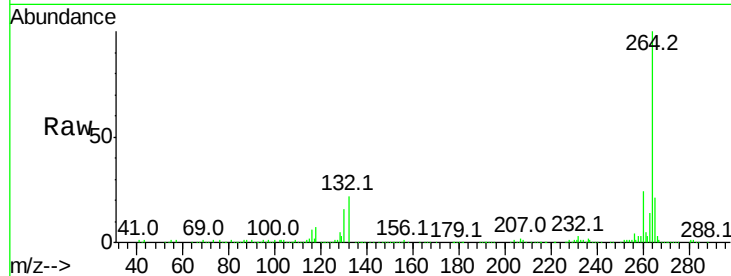




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

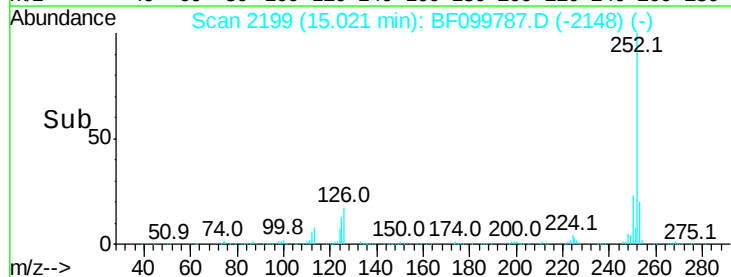
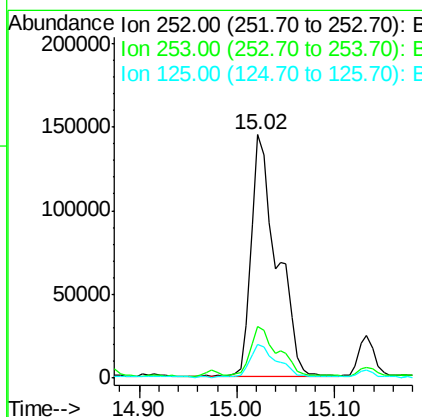
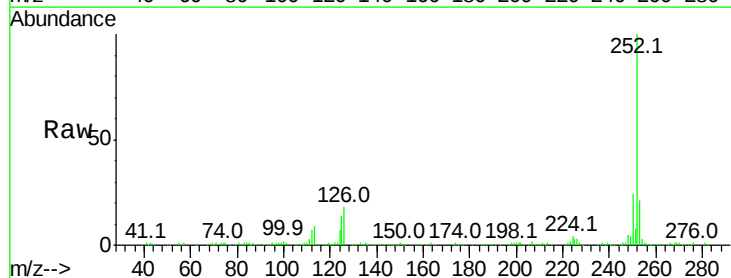
Instrument :
BNA_F
ClientSampleId :

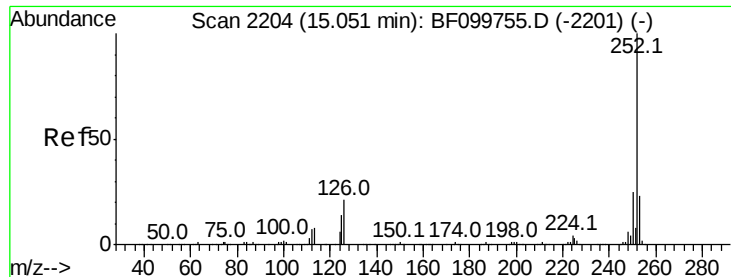
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 20.751 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.6
125	14.0	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 22.006 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.03 min

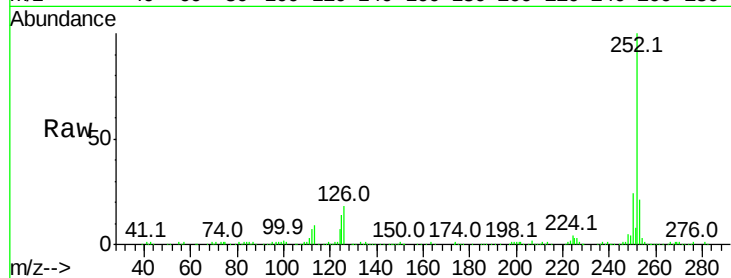
Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 268914

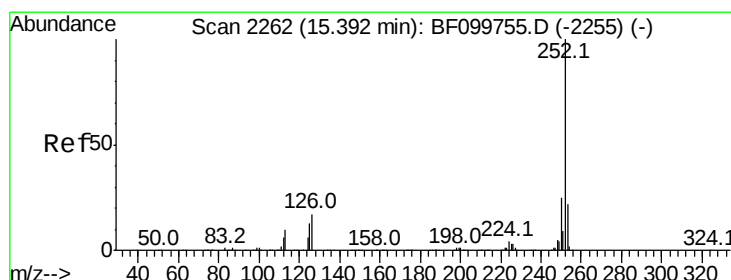
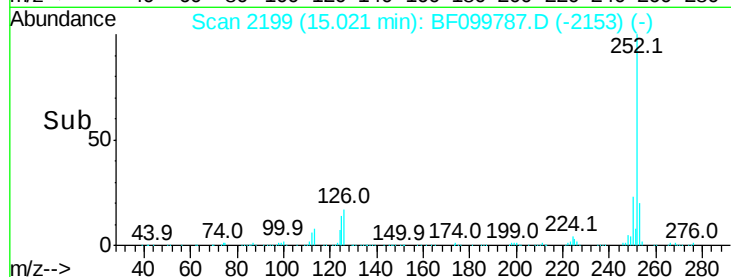
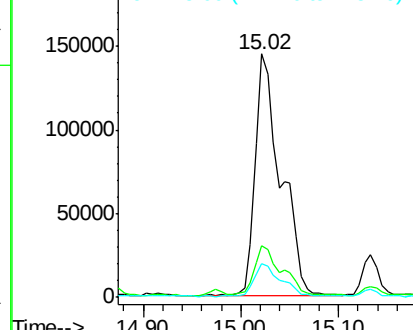
Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.9	26.9
125	14.0	10.2	15.2



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: 16.088 ng

RT: 15.39 min Scan# 2261

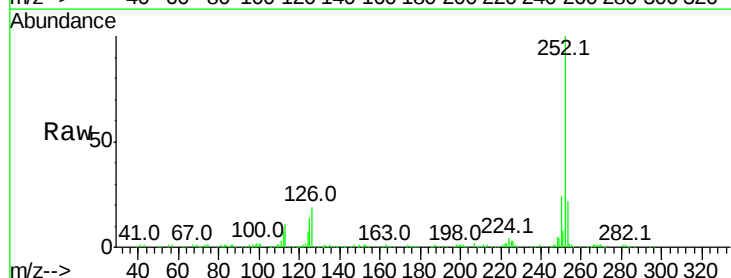
Delta R.T. -0.01 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

Tgt Ion:252 Resp: 187279

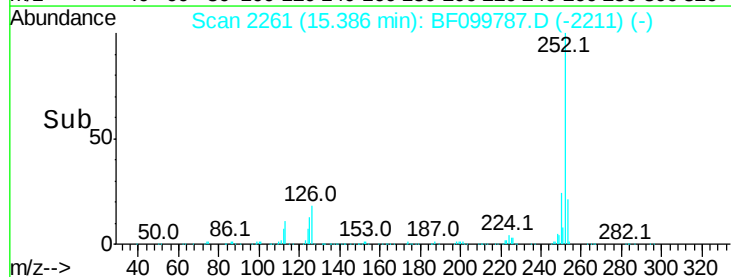
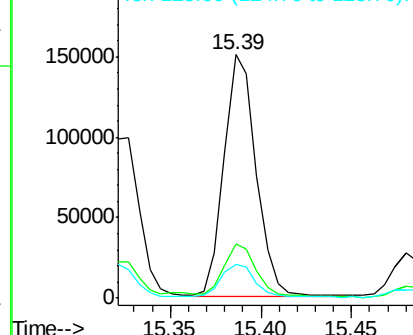
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	13.6	9.8	14.6

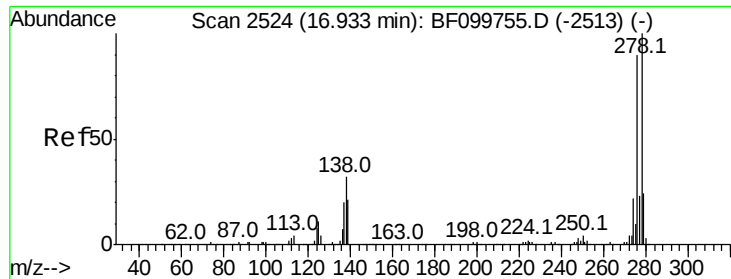


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.254 ng

RT: 16.92 min Scan# 2522

Delta R.T. -0.01 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

Instrument :

BNA_F

ClientSampled :

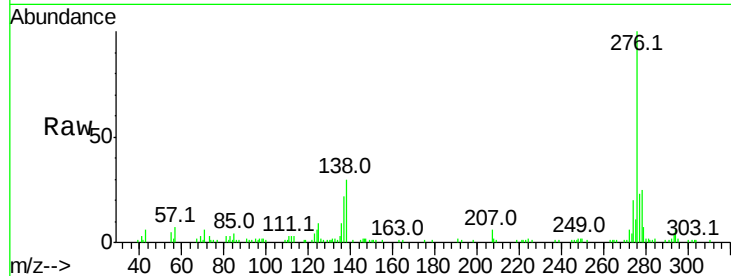
Tot Ion:278 Resp: 23312

Ion Ratio Lower Upper

278 100

139 0.0 15.9 23.9#

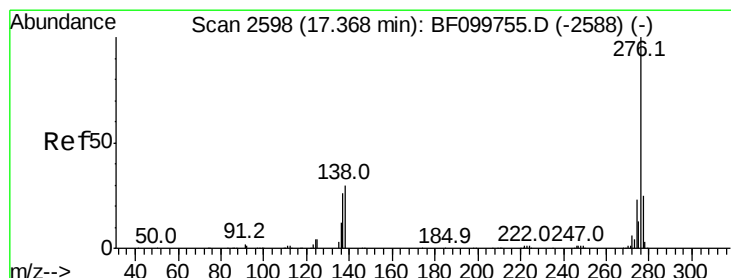
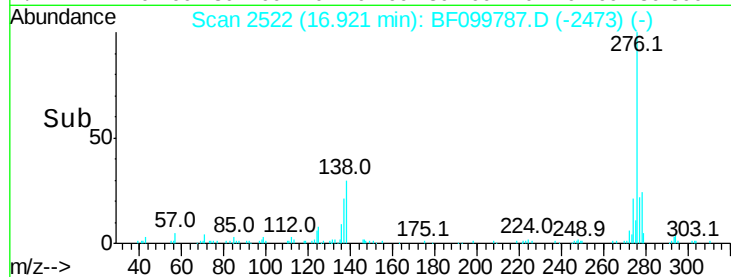
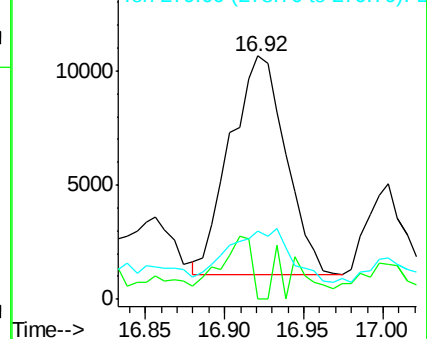
279 27.9 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.980 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.01 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

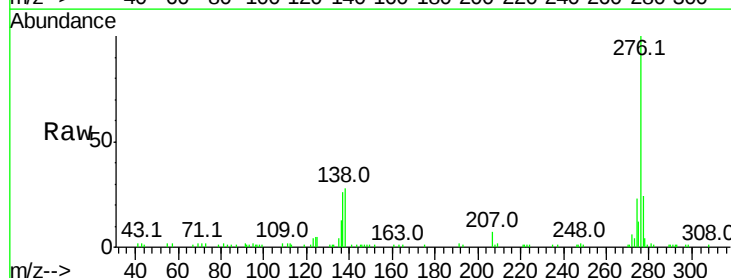
Tgt Ion:276 Resp: 90879

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 28.3 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

