

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
 Data File : BF099897.D
 Acq On : 28 Oct 2017 1:31
 Operator : SJ/JU
 Sample : I6029-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 28 03:52:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	96196	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	390536	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	176304	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	280614	20.00	ng	0.00
75) Chrysene-d12	13.99	240	174028	20.00	ng	0.00
86) Perylene-d12	15.46	264	188654	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	474790	77.49	ng	0.00
7) Phenol-d6	6.44	99	580217	79.86	ng	0.00
23) Nitrobenzene-d5	7.36	82	326821	53.88	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	116667	72.61	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	662010	57.93	ng	0.00
78) Terphenyl-d14	12.92	244	435082	54.64	ng	0.00

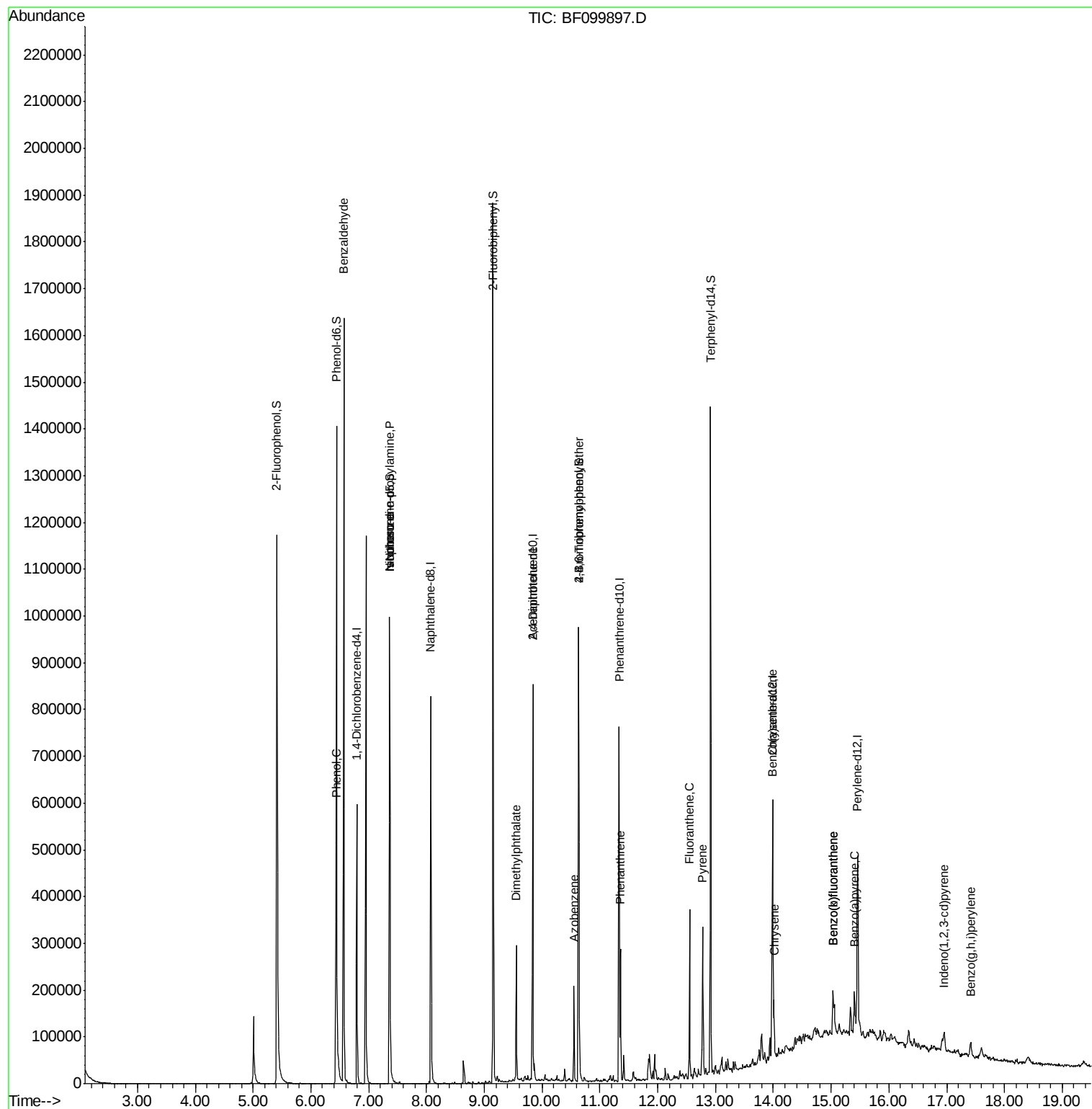
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	8792	2.03	ng	91
10) Phenol	6.45	94	27388	3.43	ng	95
19) n-Nitroso-di-n-propylamine	7.36	70	39829	9.35	ng	# 72
25) Isophorone	7.36	82	326821	29.69	ng	# 64
49) Dimethylphthalate	9.55	163	125538	8.99	ng	99
56) 2,4-Dinitrotoluene	9.83	165	22279	6.30	ng	# 21
62) Azobenzene	10.55	77	31167	2.73	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	7676	2.60	ng	# 1
70) Phenanthrene	11.36	178	111868	7.06	ng	97
74) Fluoranthene	12.55	202	135787	8.25	ng	96
77) Pyrene	12.78	202	120726	9.12	ng	99
80) Benzo(a)anthracene	13.97	228	47343	4.29	ng	99
82) Chrysene	14.01	228	42034	4.05	ng	100
85) Indeno(1,2,3-cd)pyrene	16.96	276	23866	2.51	ng	91
87) Benzo(b)fluoranthene	15.03	252	71829	6.03	ng	# 93
88) Benzo(k)fluoranthene	15.03	252	71829	6.39	ng	# 96
89) Benzo(a)pyrene	15.40	252	43947	4.11	ng	# 92
91) Benzo(g,h,i)perylene	17.41	276	22556	2.42	ng	# 88

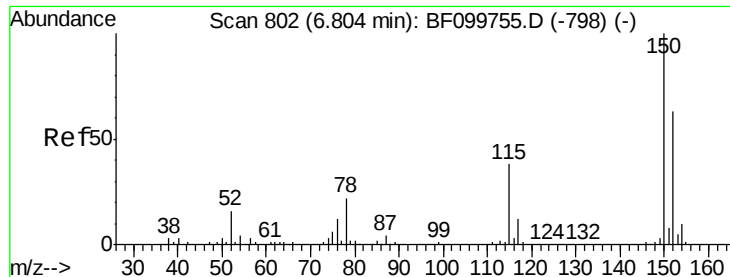
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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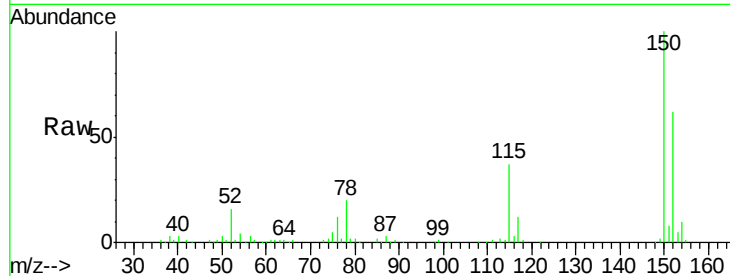


#1

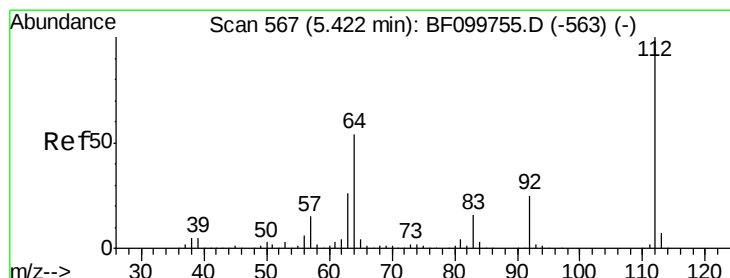
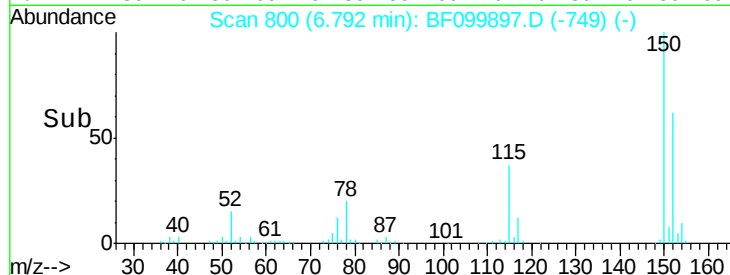
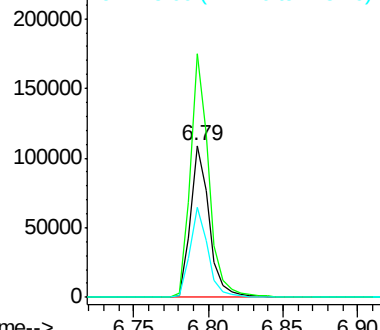
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: BF099897.D
 Acq: 28 Oct 2017 1:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	59.5	50.1	75.1



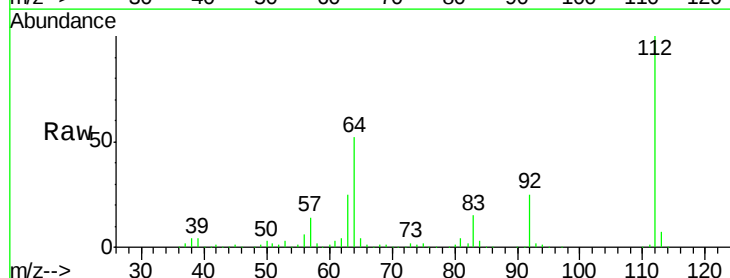
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



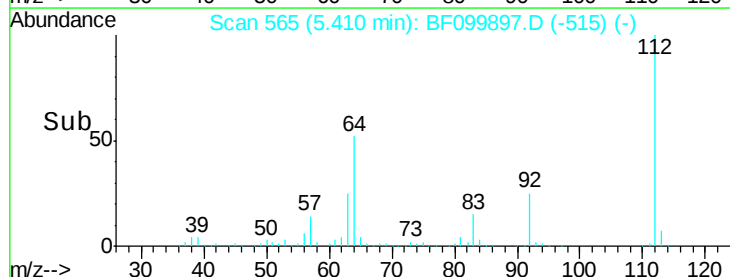
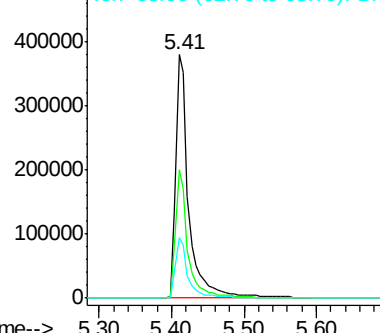
#5

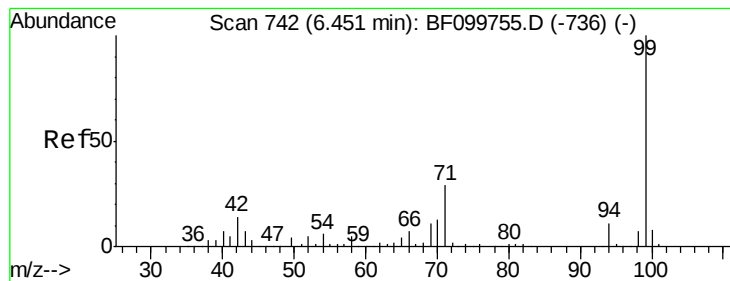
2-Fluorophenol
 Concen: 77.49 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF099897.D
 Acq: 28 Oct 2017 1:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	47.9	71.9
63	25.1	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: 79.86 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF099897.D

Acq: 28 Oct 2017 1:31

Instrument :

BNA_F

ClientSampleId :

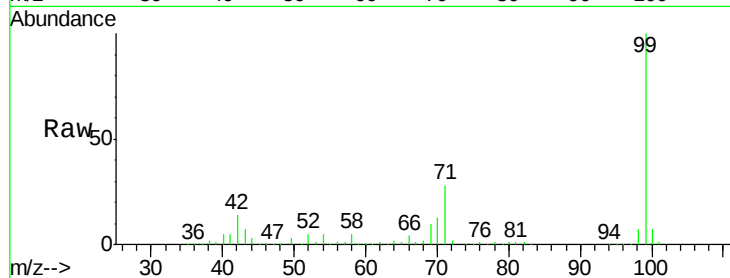
Tot Ion: 99 Resp: 580217

Ion Ratio Lower Upper

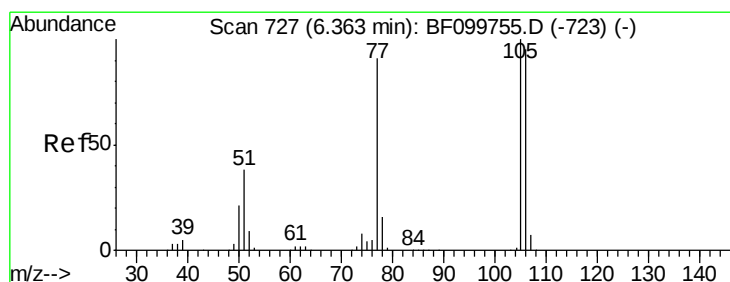
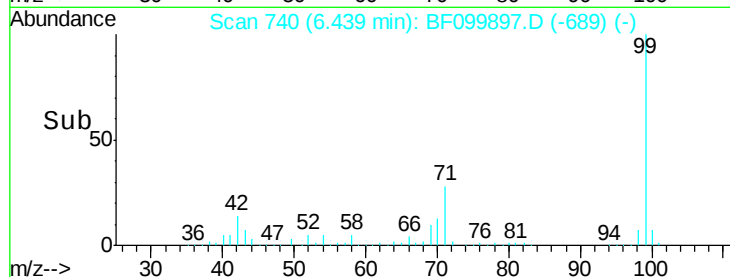
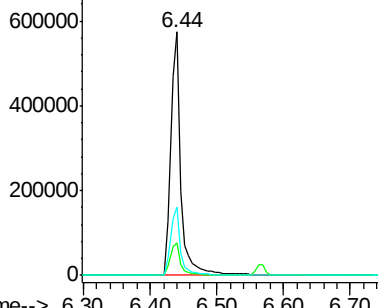
99 100

42 13.6 14.5 21.7#

71 28.0 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: 2.03 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.21 min

Lab File: BF099897.D

Acq: 28 Oct 2017 1:31

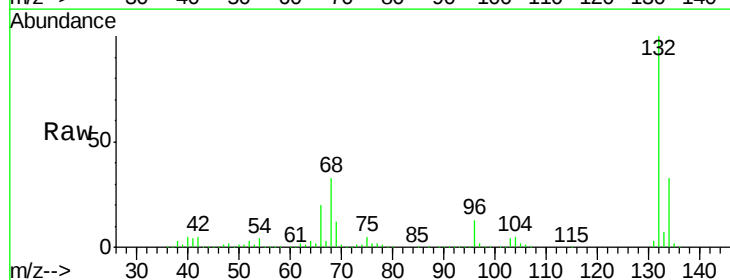
Tgt Ion: 77 Resp: 8792

Ion Ratio Lower Upper

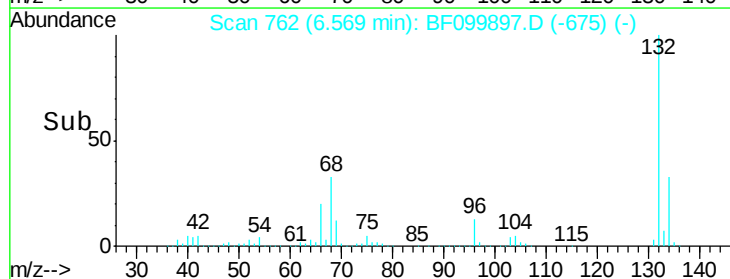
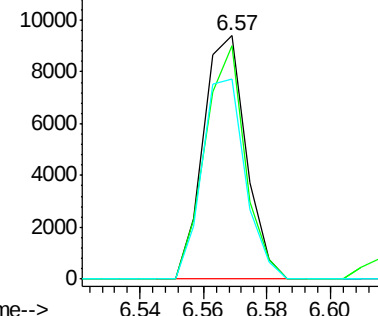
77 100

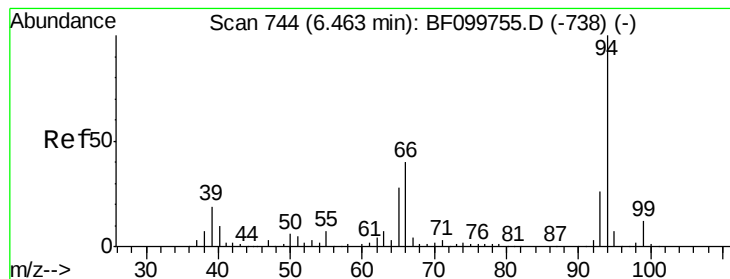
105 96.0 81.1 121.1

106 82.4 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.43 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099897.D

Acq: 28 Oct 2017 1:31

Instrument :

BNA_F

ClientSampleId :

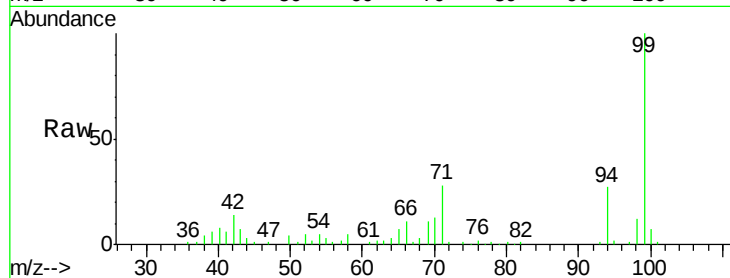
Tot Ion: 94 Resp: 27388

Ion Ratio Lower Upper

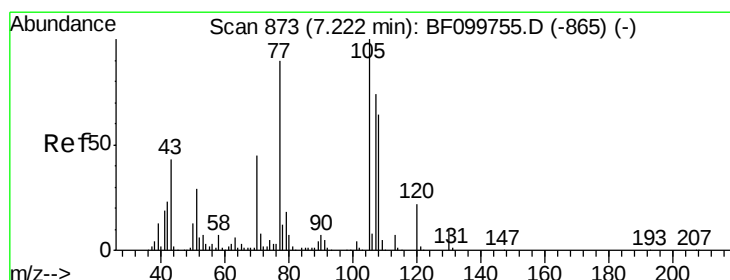
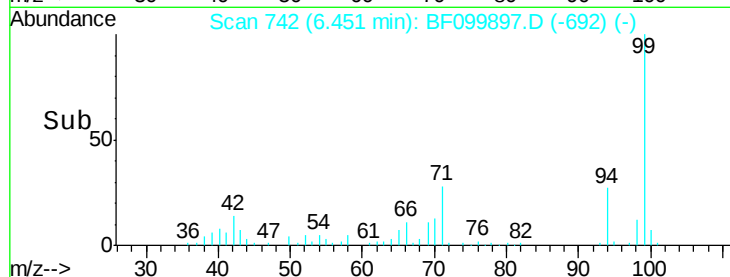
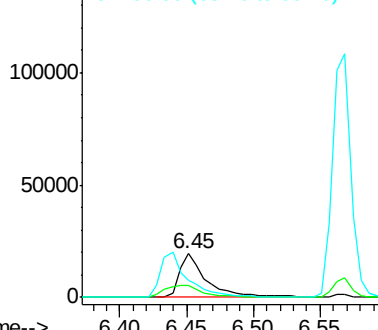
94 100

65 27.0 7.9 47.9

66 40.4 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 9.35 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099897.D

Acq: 28 Oct 2017 1:31

Tgt Ion: 70 Resp: 39829

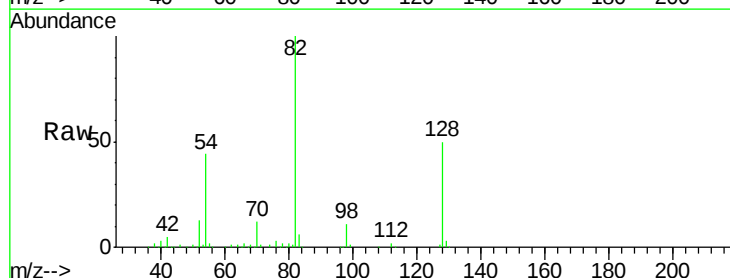
Ion Ratio Lower Upper

70 100

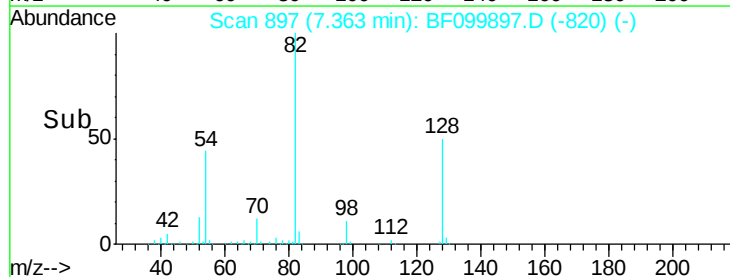
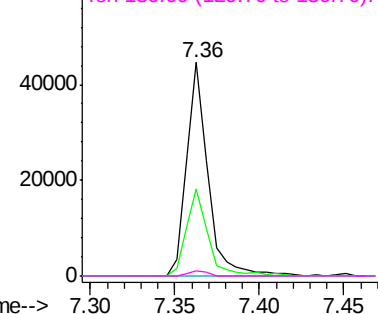
42 40.8 47.5 71.3#

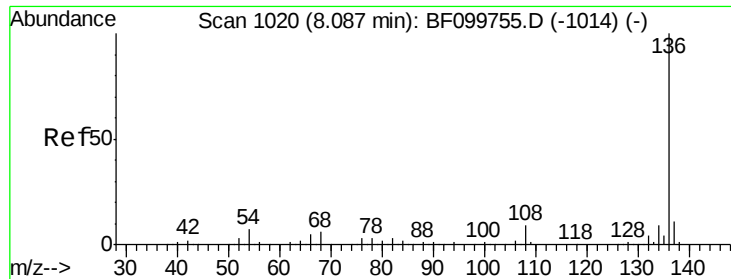
101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0

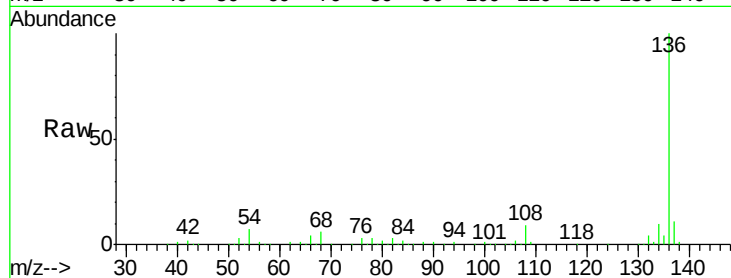




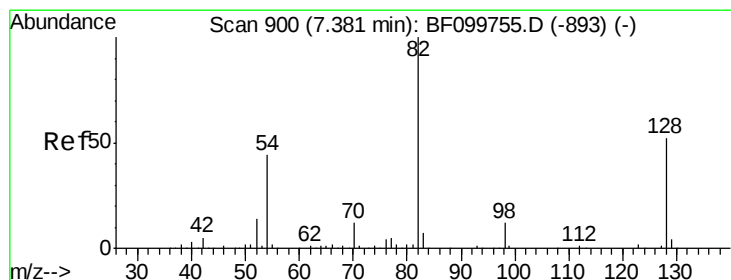
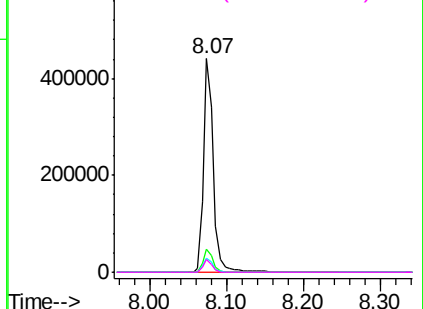
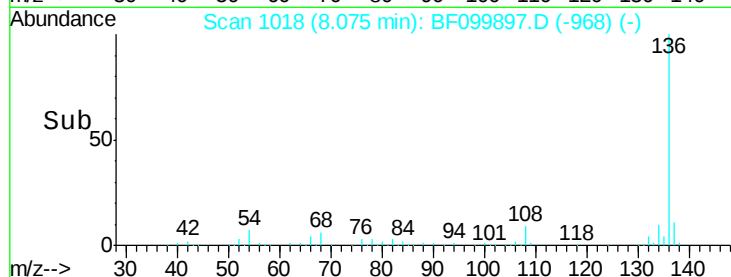
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	390536
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	6.6	6.6 9.8
68	6.0	5.0 7.4

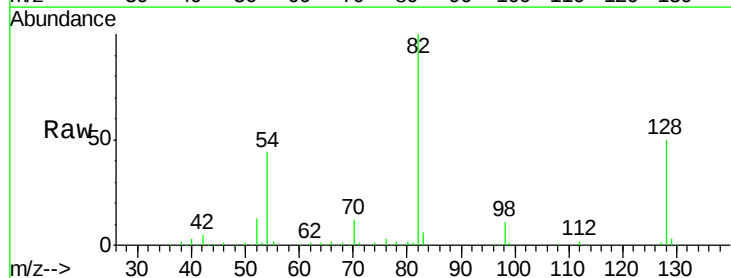


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

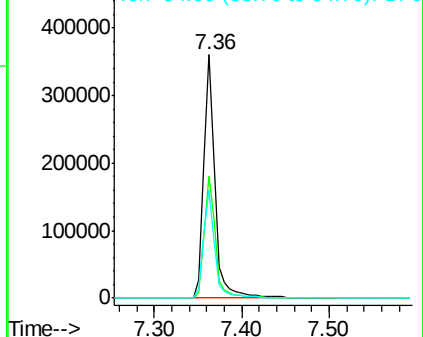
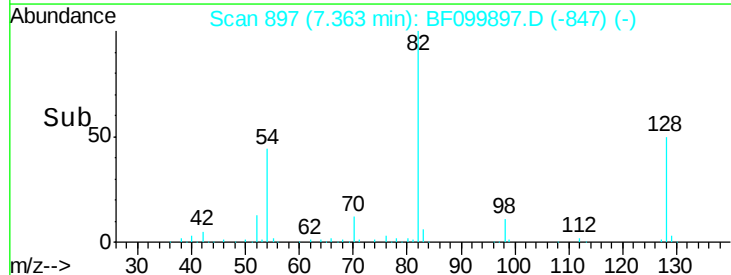


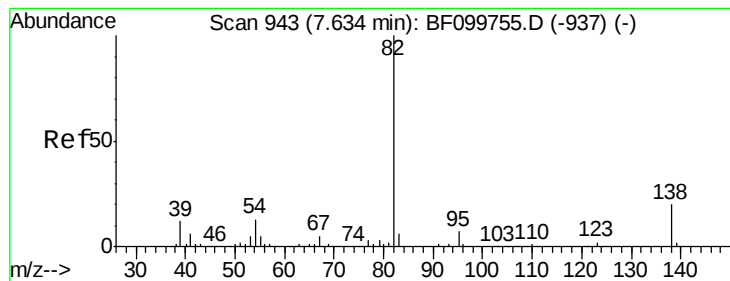
#23
Nitrobenzene-d5
Concen: 53.88 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

Tgt Ion: 82	Resp:	326821
Ion Ratio	Lower	Upper
82	100	
128	50.1	36.1 54.1
54	44.3	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 29.69 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF099897.D

Acq: 28 Oct 2017 1:31

Instrument :

BNA_F

ClientSampled :

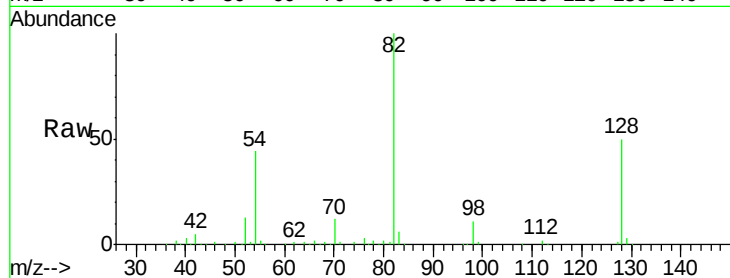
Tot Ion: 82 Resp: 326821

Ion Ratio Lower Upper

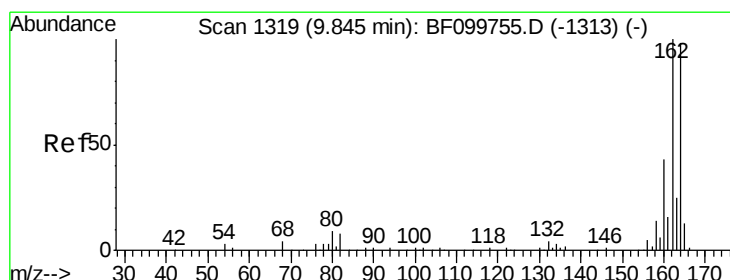
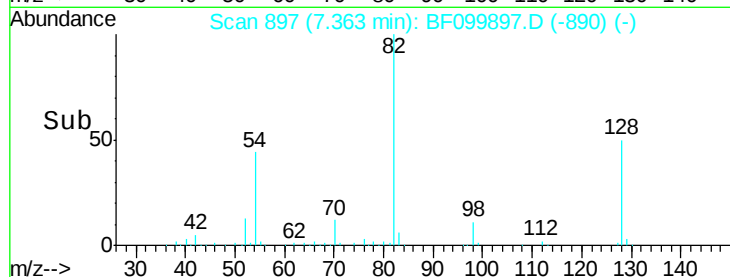
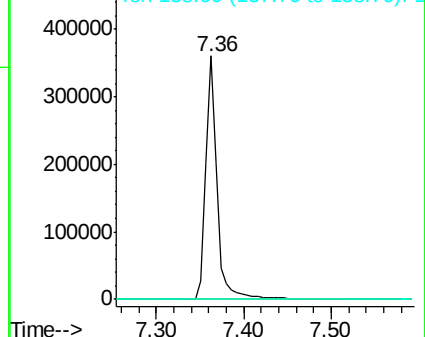
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BF099897.D

Acq: 28 Oct 2017 1:31

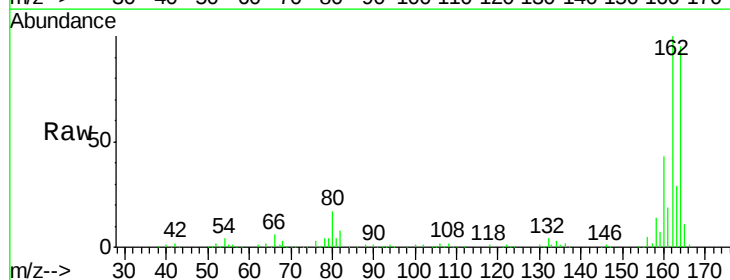
Tgt Ion: 164 Resp: 176304

Ion Ratio Lower Upper

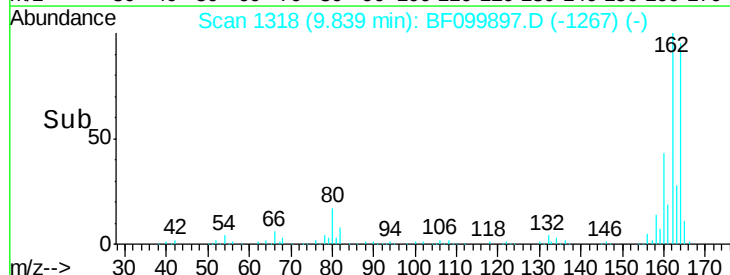
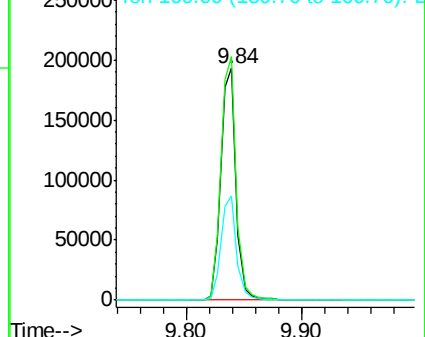
164 100

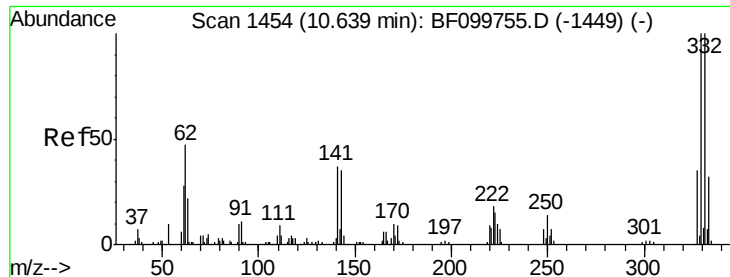
162 104.9 86.1 129.1

160 45.1 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

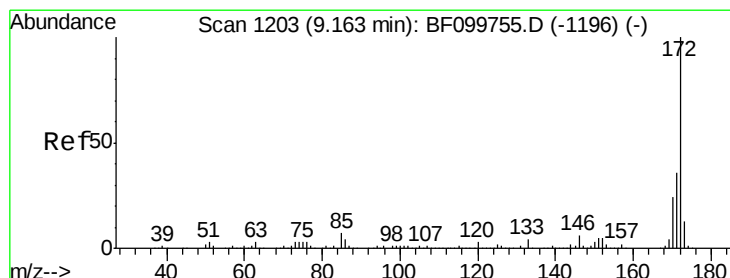
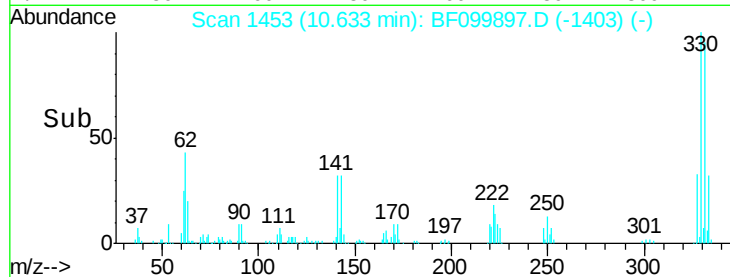
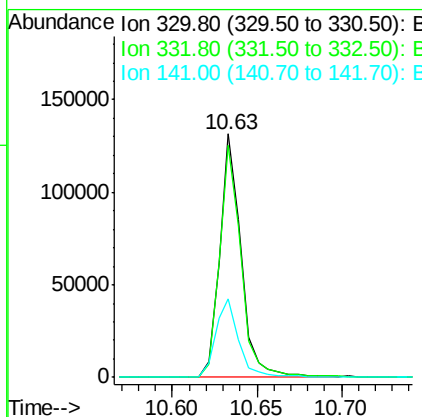
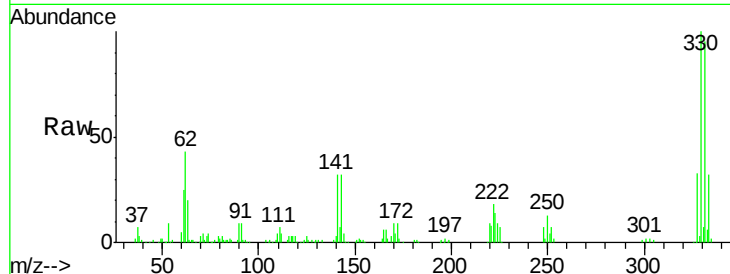




#41
 2,4,6-Tribromophenol
 Concen: 72.61 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF099897.D
 Acq: 28 Oct 2017 1:31

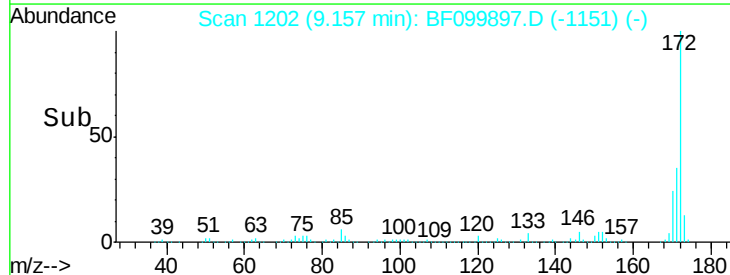
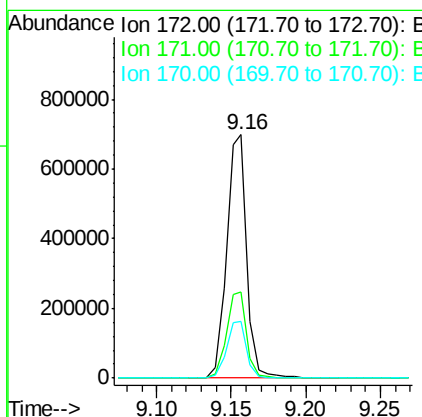
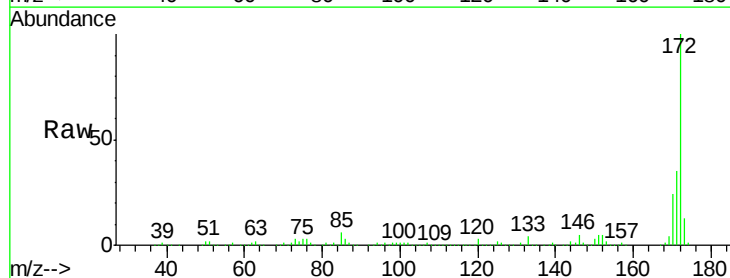
Instrument :
 BNA_F
 ClientSampleId :

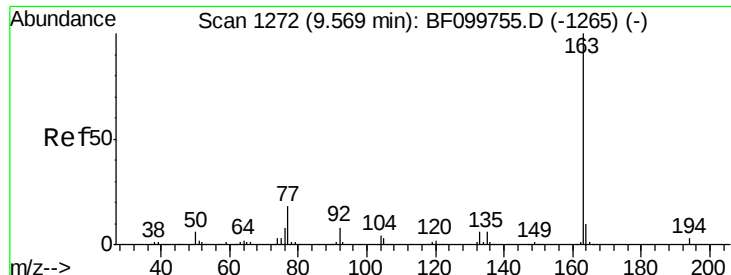
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	34.9	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 57.93 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: BF099897.D
 Acq: 28 Oct 2017 1:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.5	19.6	29.4

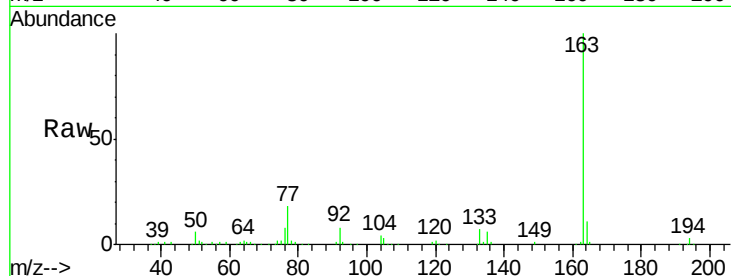




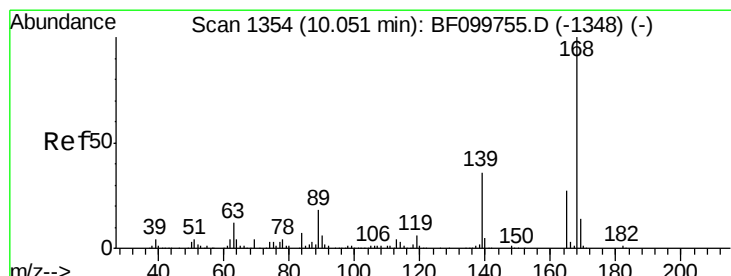
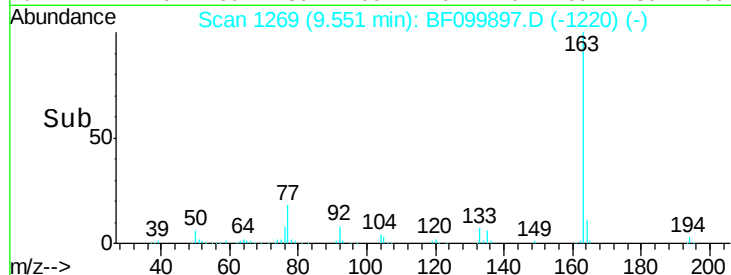
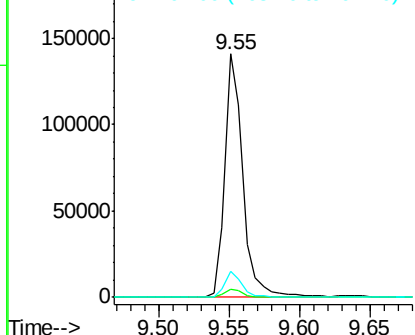
#49
Dimethylphthalate
Concen: 8.99 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 125538
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.5 8.2 12.2

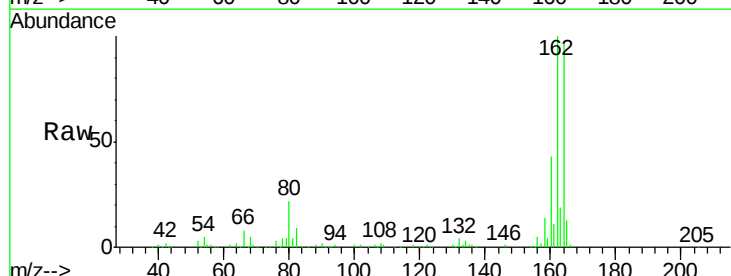


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

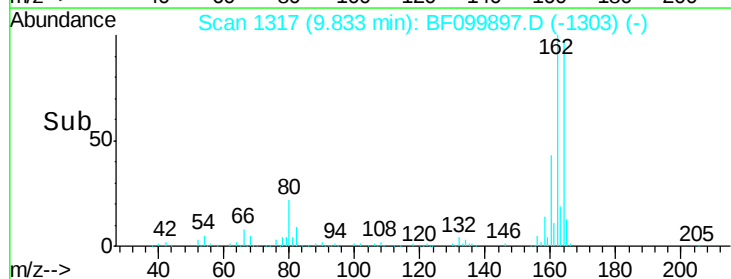
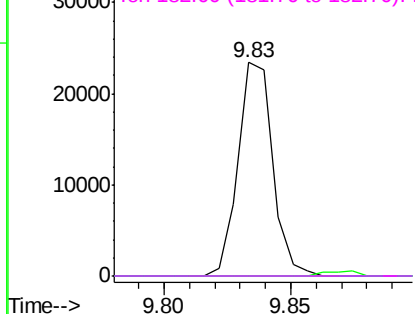


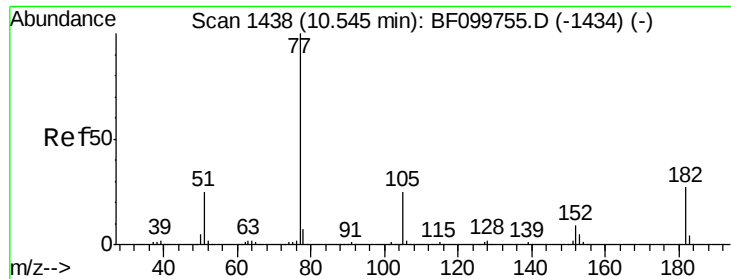
#56
2,4-Dinitrotoluene
Concen: 6.30 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.22 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

Tgt Ion:165 Resp: 22279
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): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

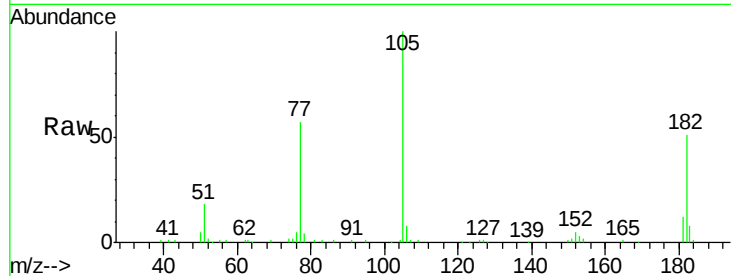




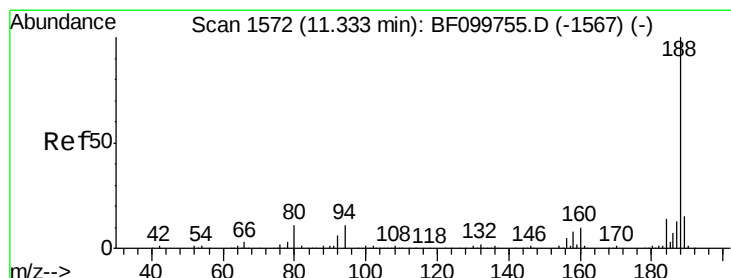
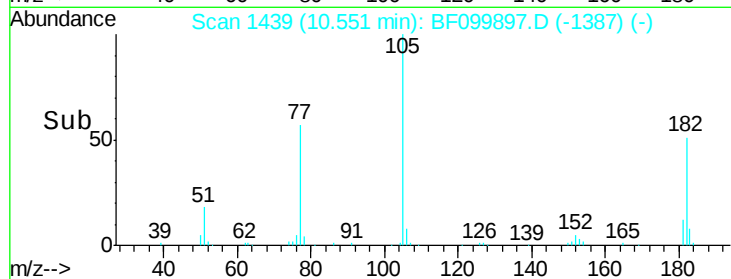
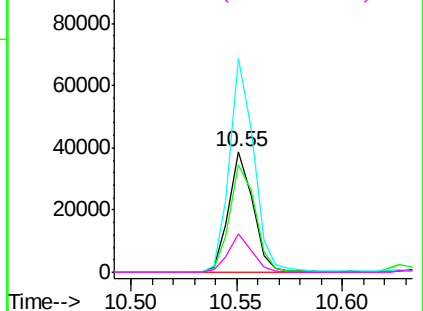
#62
Azobenzene
Concen: 2.73 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	89.3	1.7	41.7#	
105	176.6	3.0	43.0#	
51	31.6	9.9	49.9	

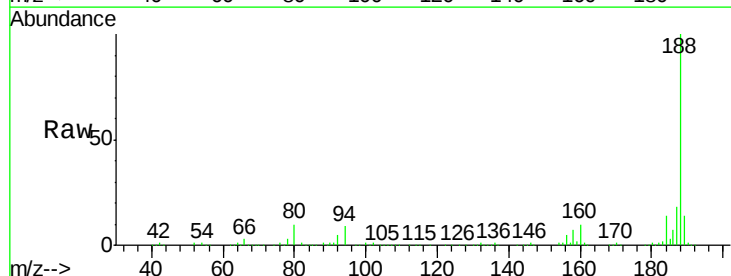


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

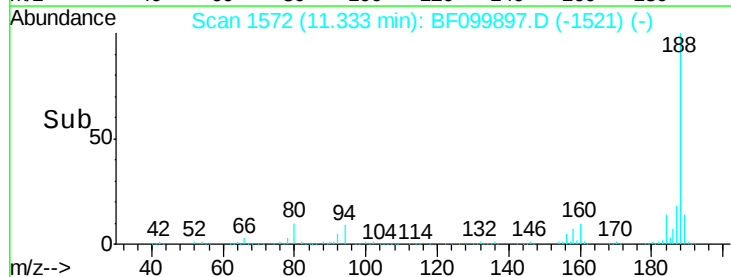
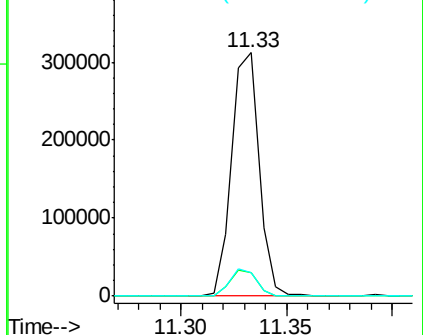


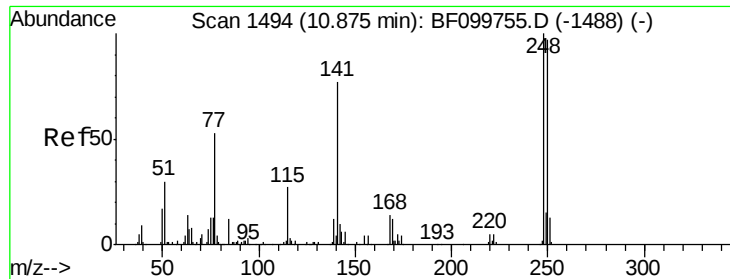
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.5	8.5	12.7	
80	9.6	9.2	13.8	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

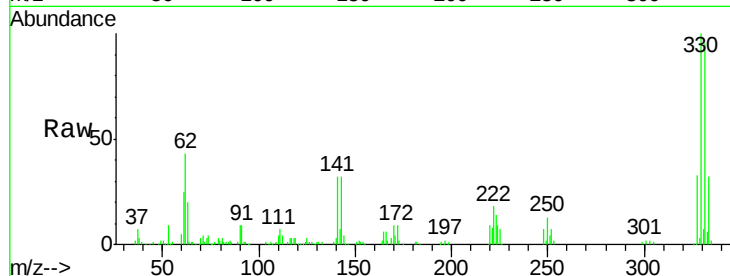




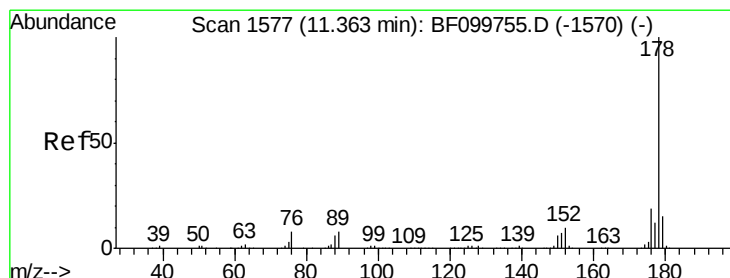
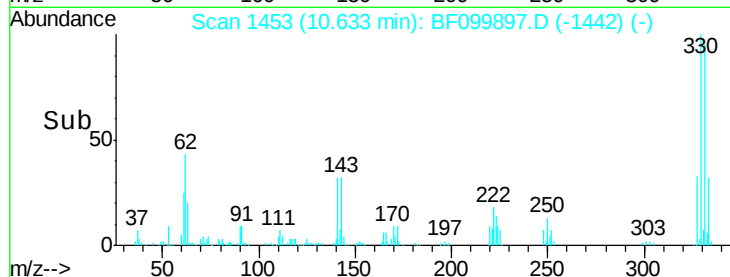
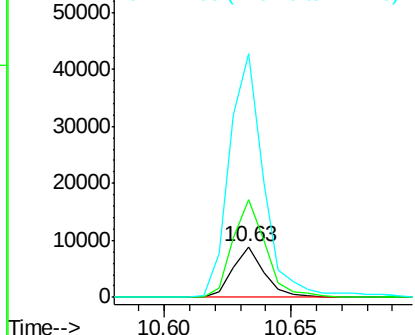
#66
4-Bromophenyl-phenylether
Concen: 2.60 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7676
Ion Ratio Lower Upper
248 100
250 191.8 76.9 115.3#
141 481.2 74.4 111.6#

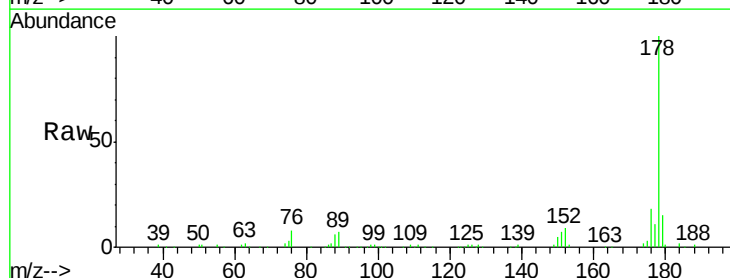


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

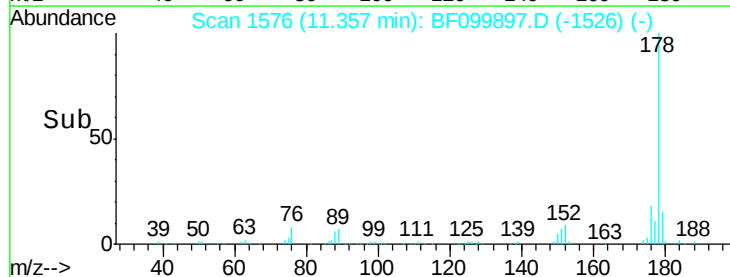
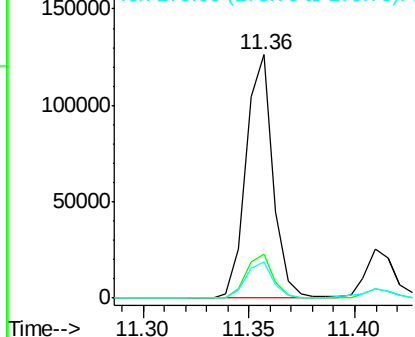


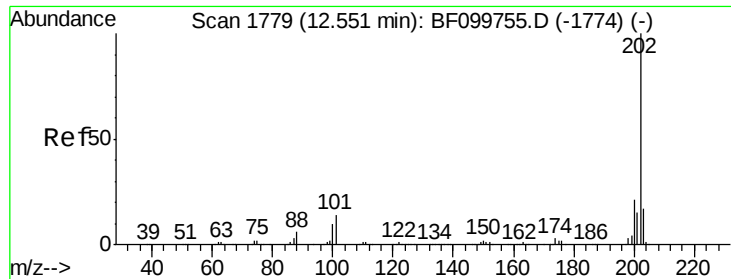
#70
Phenanthrene
Concen: 7.06 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

Tgt Ion:178 Resp: 111868
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 14.9 13.0 19.6



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





#74

Fluoranthene

Concen: 8.25 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF099897.D

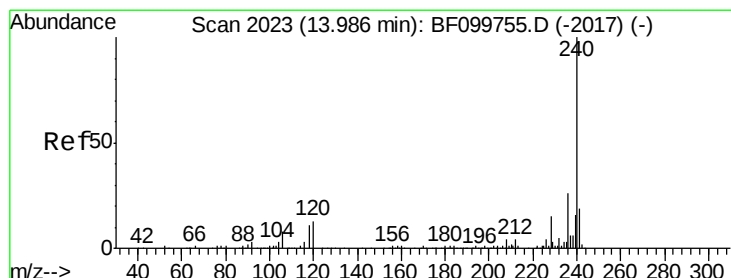
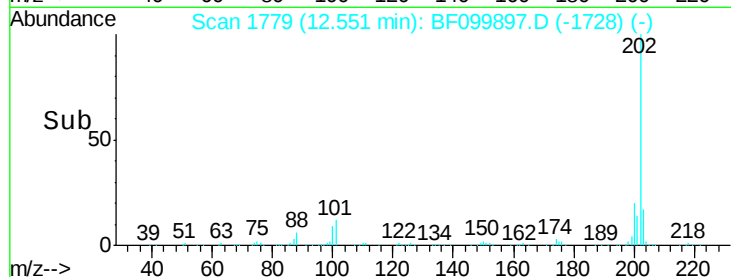
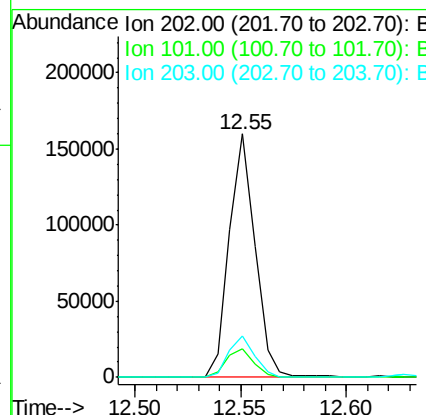
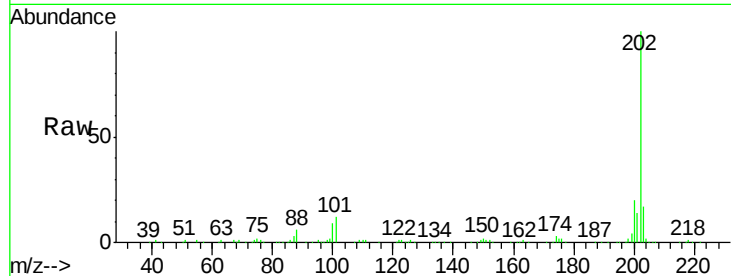
Acq: 28 Oct 2017 1:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	135787
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	16.9	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

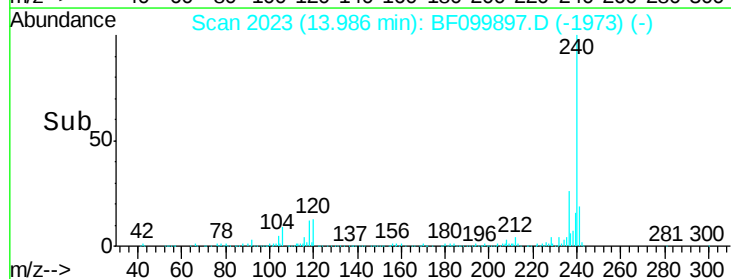
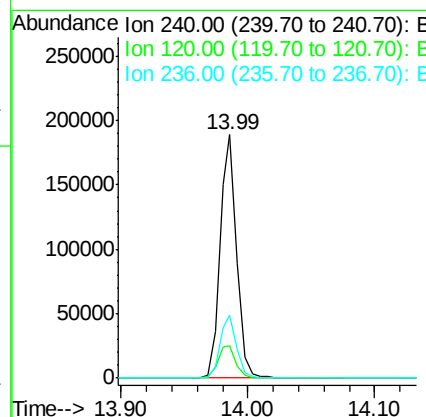
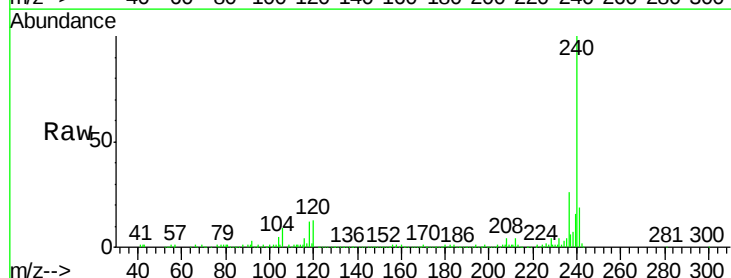
RT: 13.99 min Scan# 2023

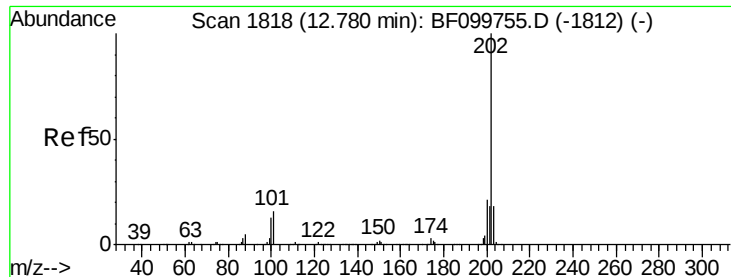
Delta R.T. -0.01 min

Lab File: BF099897.D

Acq: 28 Oct 2017 1:31

Tgt Ion:	240	Resp:	174028
Ion	Ratio	Lower	Upper
240	100		
120	13.3	9.5	14.3
236	25.9	20.7	31.1





#77

Pvrene

Concen: 9.12 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF099897.D

Acq: 28 Oct 2017 1:31

Instrument :

BNA_F

ClientSampleId :

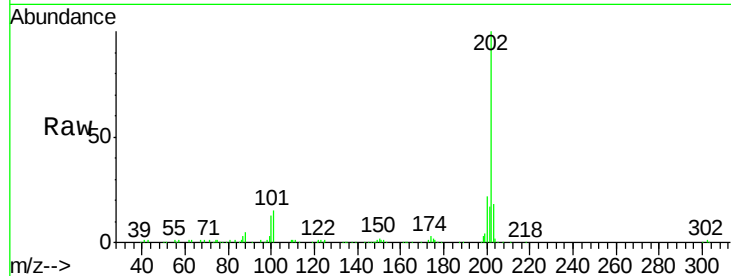
Tot Ion:202 Resp: 120726

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

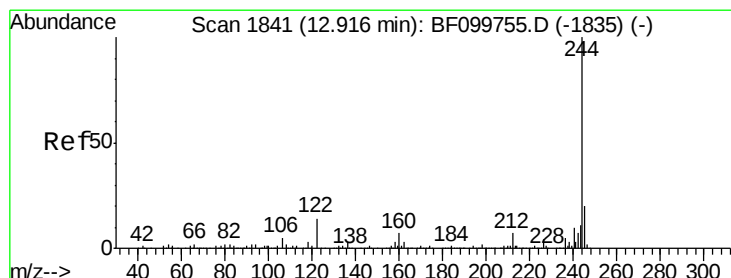
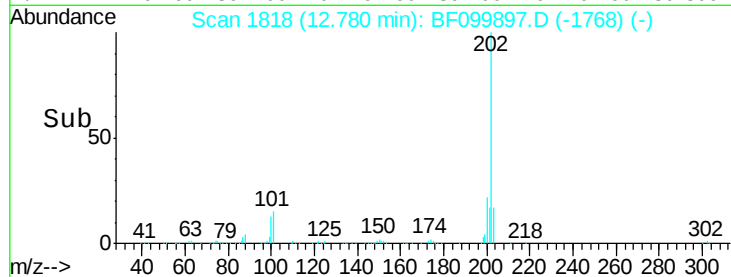
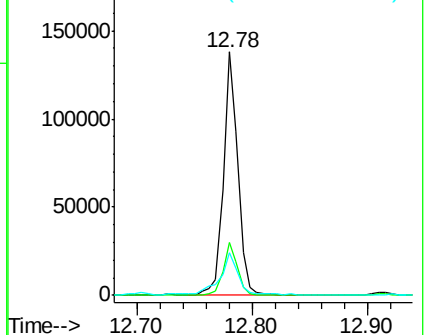
203 17.5 14.3 21.5



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: 54.64 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099897.D

Acq: 28 Oct 2017 1:31

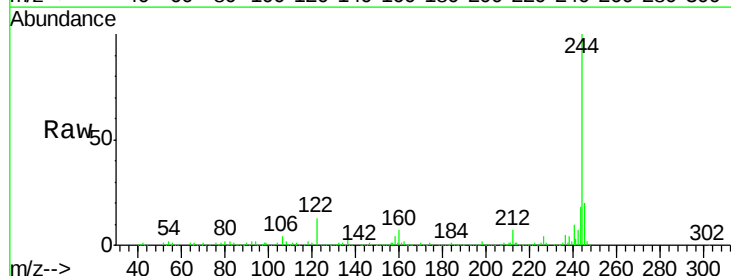
Tgt Ion:244 Resp: 435082

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

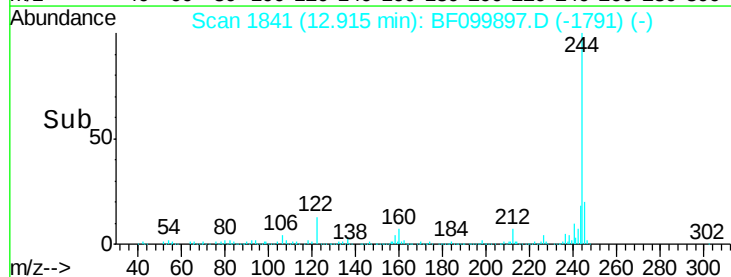
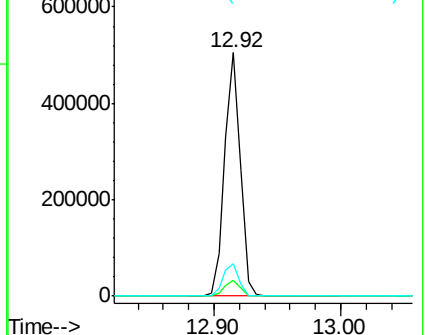
122 13.2 11.0 16.4

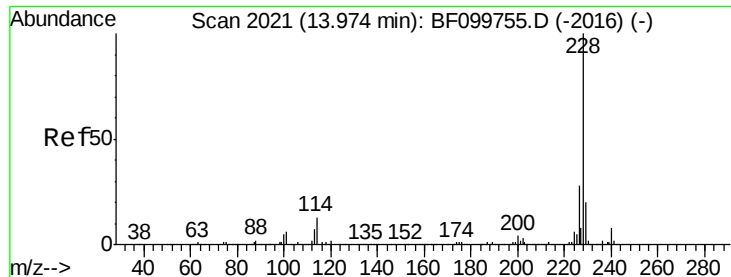


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

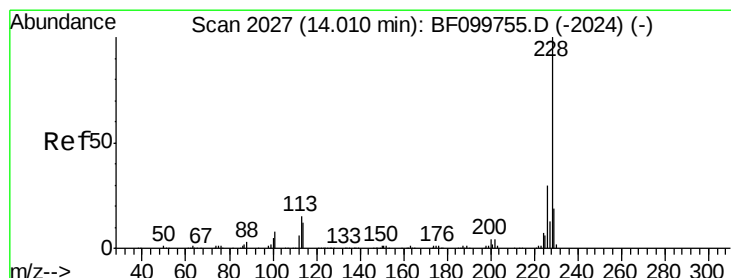
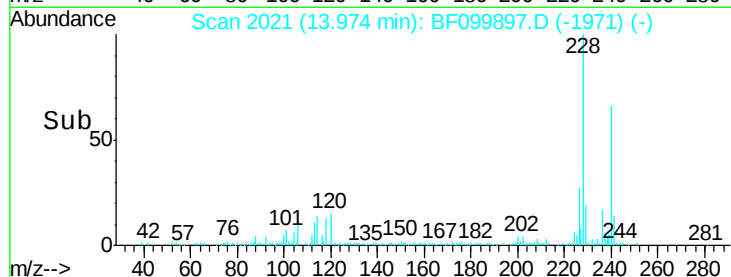
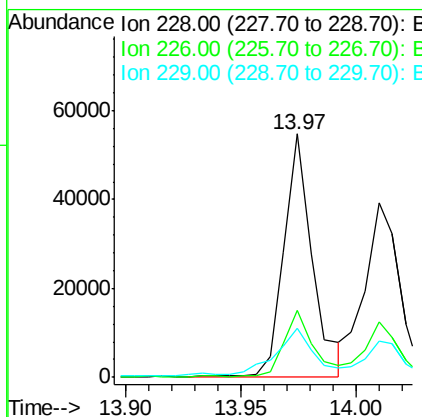
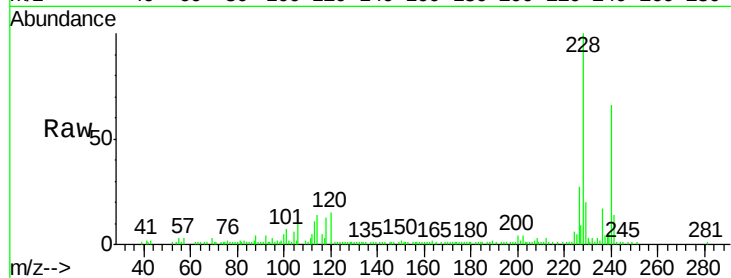




#80
Benzo(a)anthracene
Concen: 4.29 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

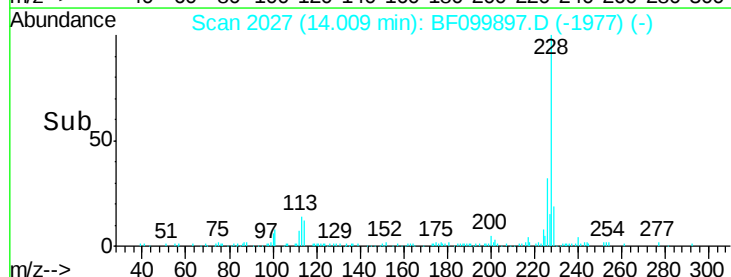
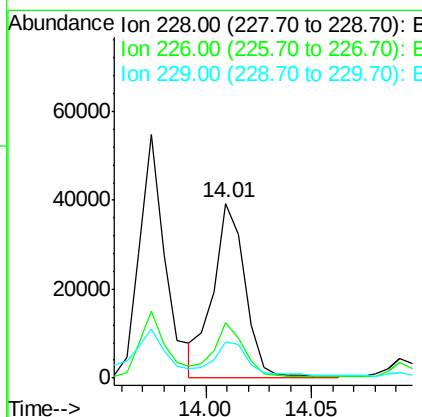
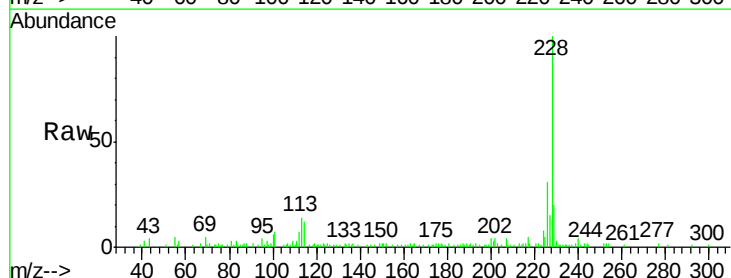
Instrument :
BNA_F
ClientSampleId :

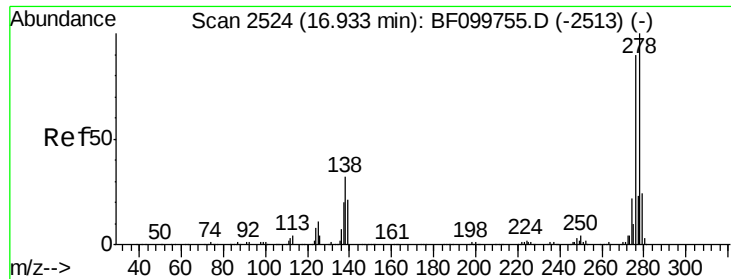
Tot Ion:228 Resp: 47343
Ion Ratio Lower Upper
228 100
226 27.4 22.6 33.8
229 20.0 15.8 23.6



#82
Chrysene
Concen: 4.05 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

Tgt Ion:228 Resp: 42034
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 20.5 16.2 24.4

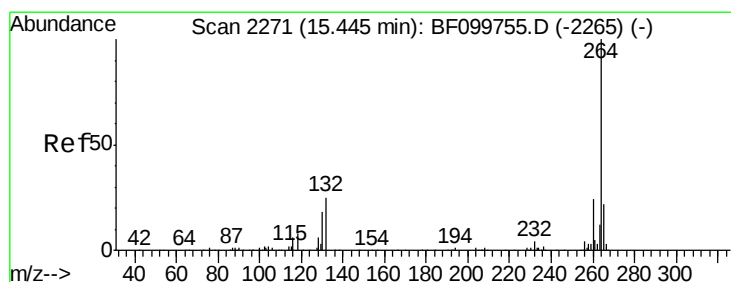
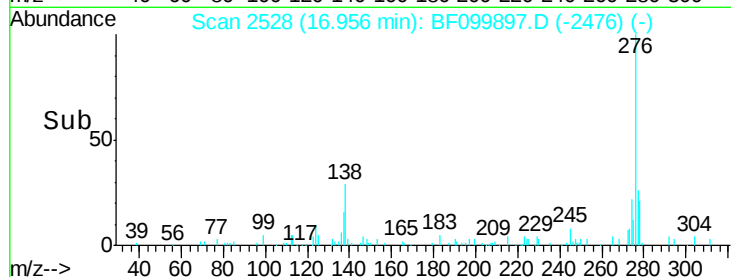
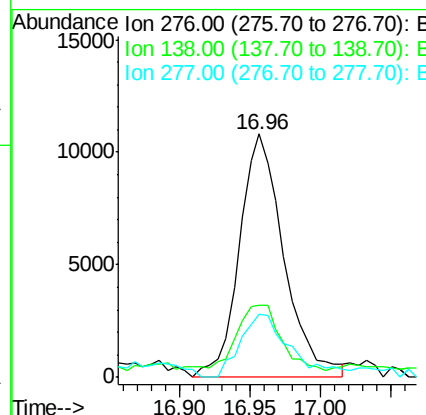
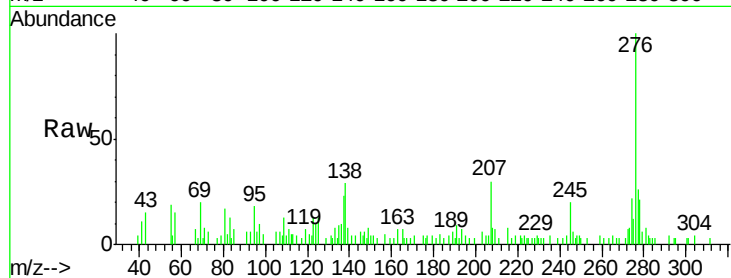




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.51 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.01 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

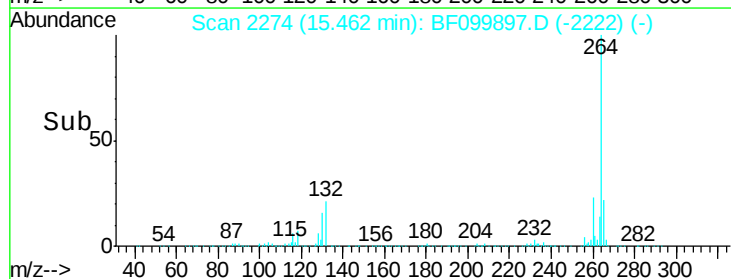
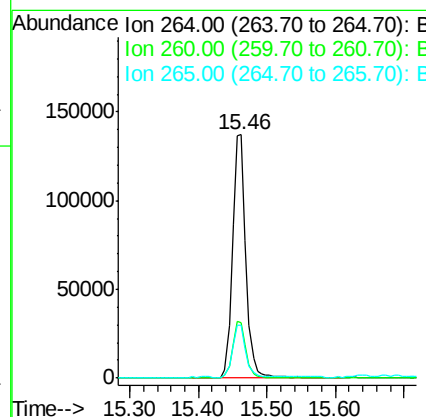
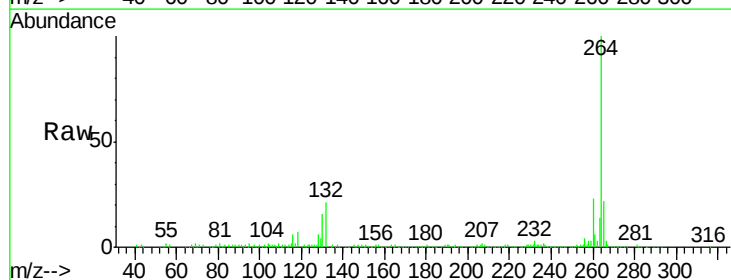
Instrument :
BNA_F
ClientSampleId :

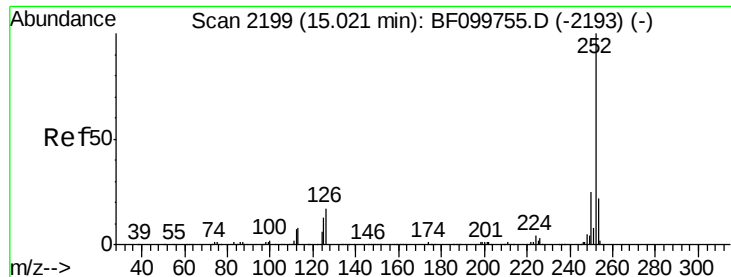
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.0	37.6
277	29.0	20.1	30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.9	17.5	26.3

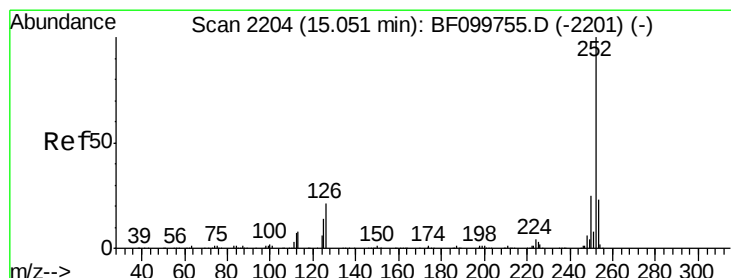
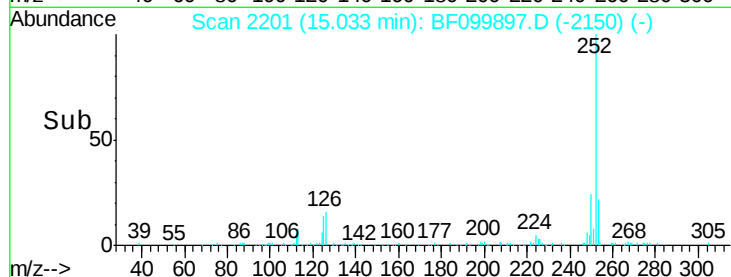
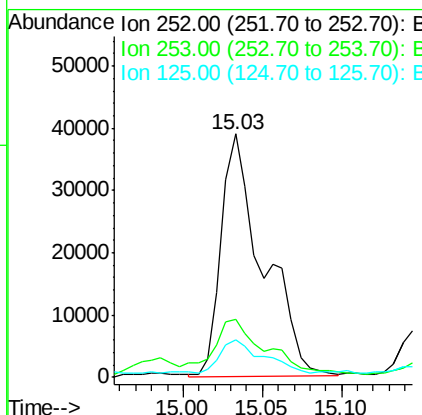
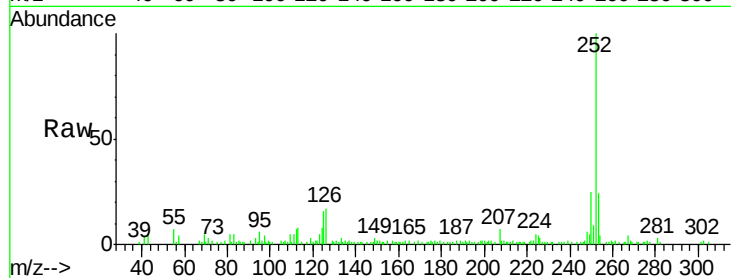




#87
Benzo(b)fluoranthene
Concen: 6.03 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

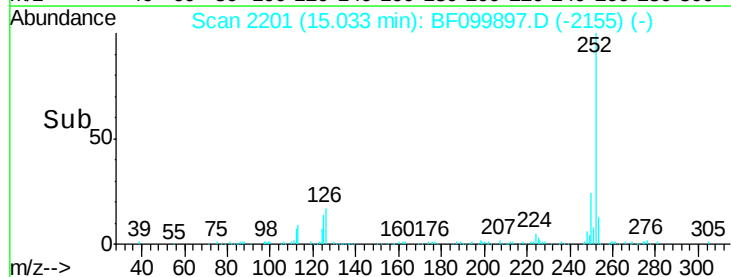
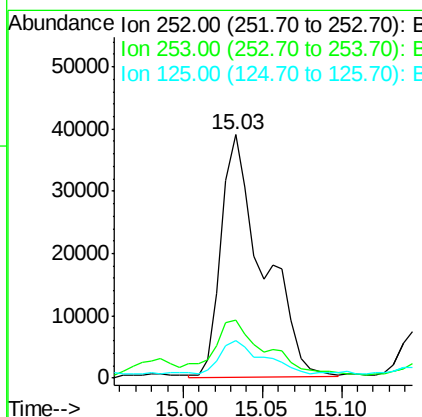
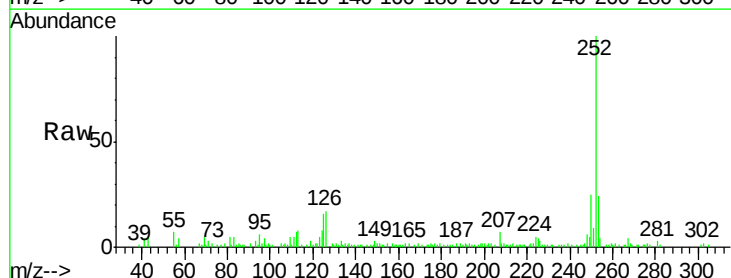
Instrument :
BNA_F
ClientSampleId :

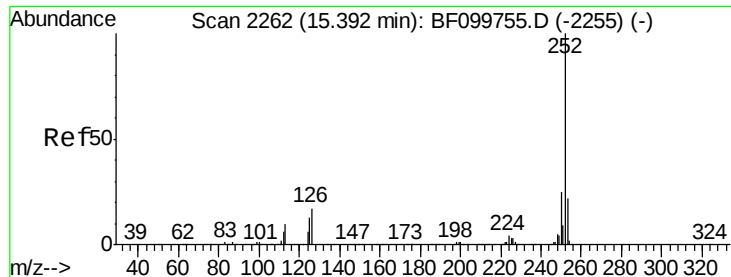
Tot Ion:252 Resp: 71829
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 15.5 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 6.39 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

Tgt Ion:252 Resp: 71829
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 15.5 10.2 15.2#

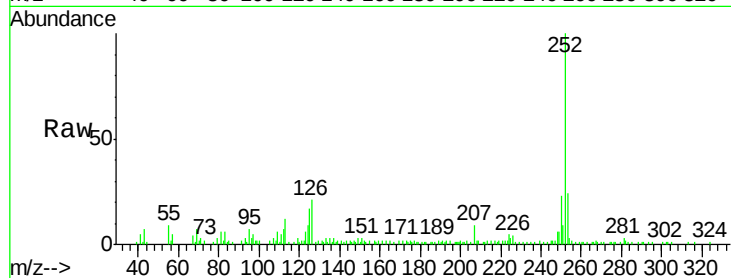




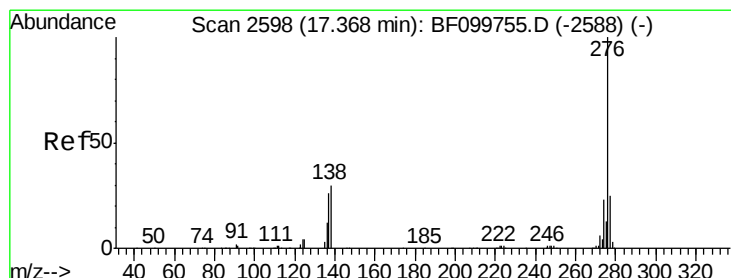
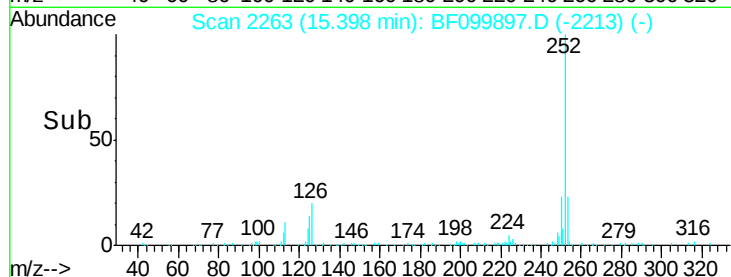
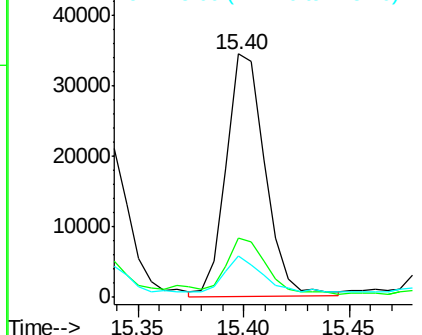
#89
Benzo(a)pyrene
Concen: 4.11 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 43947
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 16.9 9.8 14.6#

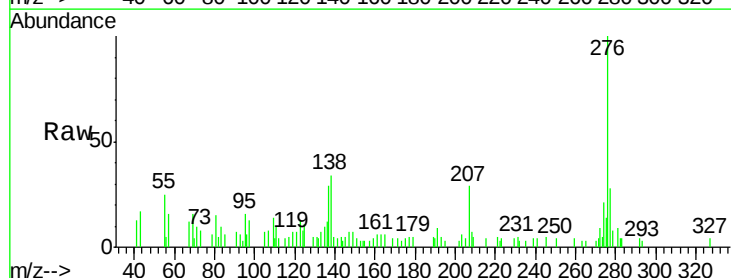


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.42 ng
RT: 17.41 min Scan# 2605
Delta R.T. 0.01 min
Lab File: BF099897.D
Acq: 28 Oct 2017 1:31

Tgt Ion:276 Resp: 22556
Ion Ratio Lower Upper
276 100
277 28.2 17.9 26.9#
138 33.9 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

