

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099966.D
 Acq On : 30 Oct 2017 18:11
 Operator : SJ/JU
 Sample : I6171-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 02:27:41 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	94592	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	379935	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	168854	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	271024	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	176491	20.00	ng	-0.02
86) Perylene-d12	15.46	264	168857	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	236546	39.26	ng	-0.01
7) Phenol-d6	6.43	99	316036	44.24	ng	-0.01
23) Nitrobenzene-d5	7.36	82	168234	28.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	66939	43.50	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	406339	37.13	ng	-0.02
78) Terphenyl-d14	12.90	244	284010	35.17	ng	-0.02

Target Compounds

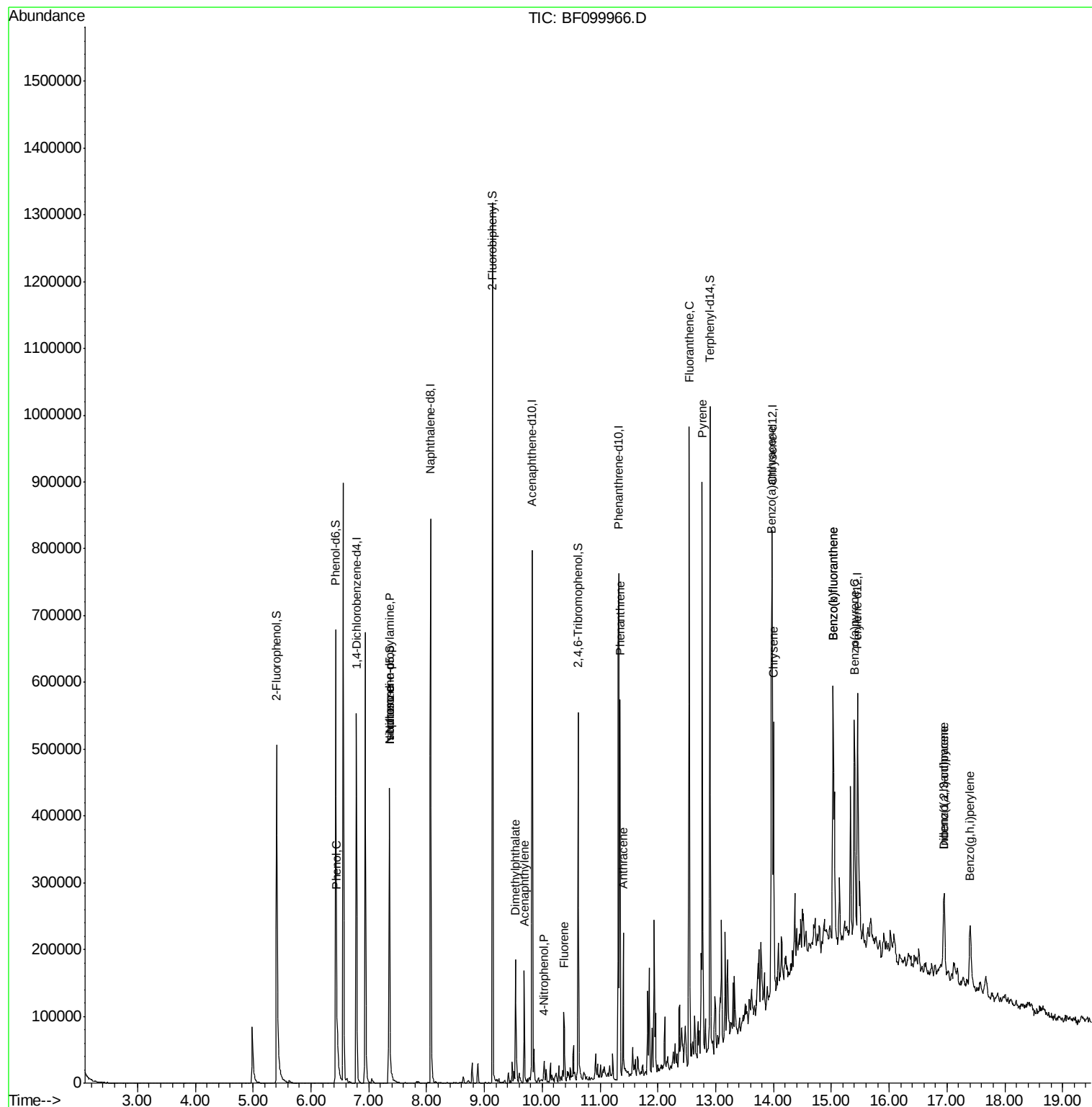
						Qvalue
10) Phenol	6.45	94	15778	2.012	ng	90
19) n-Nitroso-di-n-propylamine	7.36	70	19550	4.670	ng	# 72
25) Isophorone	7.36	82	168234	15.710	ng	# 64
48) Acenaphthylene	9.69	152	73540	4.304	ng	99
49) Dimethylphthalate	9.54	163	76186	5.697	ng	100
55) 4-Nitrophenol	10.03	139	4721	2.728	ng	# 9
57) Fluorene	10.37	166	32042	2.626	ng	96
70) Phenanthrene	11.35	178	215161	14.067	ng	98
71) Anthracene	11.40	178	86312	5.559	ng	98
74) Fluoranthene	12.54	202	356355	22.419	ng	98
77) Pyrene	12.77	202	338294	25.208	ng	99
80) Benzo(a)anthracene	13.96	228	178949	15.994	ng	99
82) Chrysene	14.00	228	157447	14.969	ng	99
85) Indeno(1,2,3-cd)pyrene	16.95	276	82371	8.530	ng	97
87) Benzo(b)fluoranthene	15.03	252	289161	27.119	ng	# 96
88) Benzo(k)fluoranthene	15.03	252	289161	28.760	ng	97
89) Benzo(a)pyrene	15.40	252	160840	16.793	ng	97
90) Dibenzo(a,h)anthracene	16.94	278	20644	2.426	ng	# 82
91) Benzo(a,h,i)perylene	17.40	276	74302	8.924	ng	95

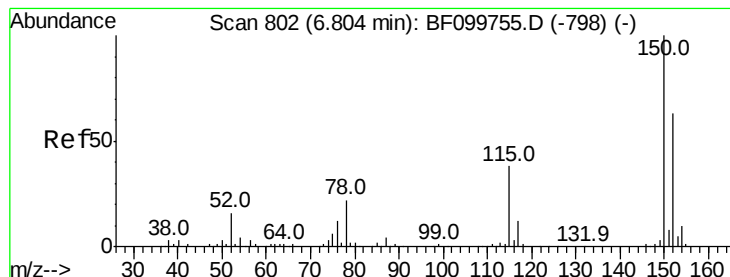
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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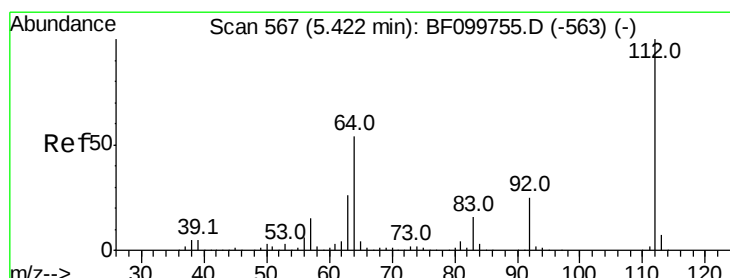
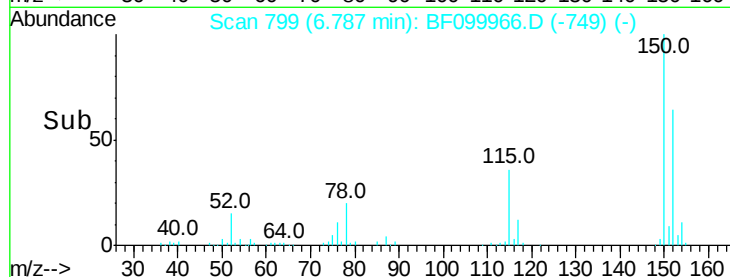
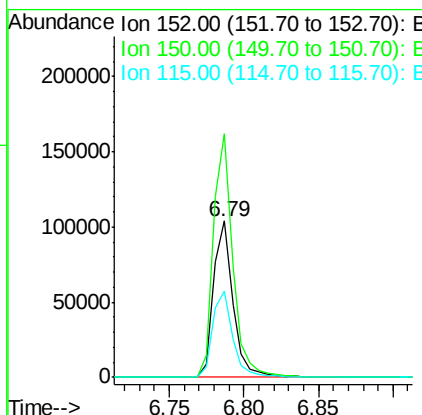
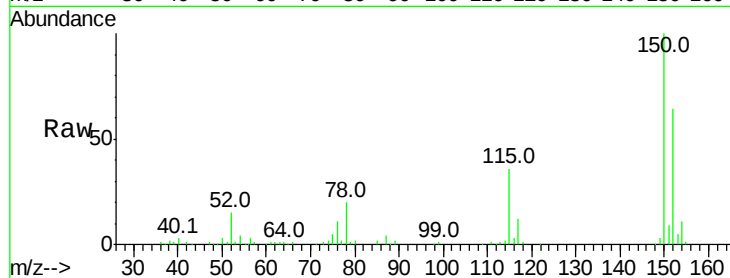


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF099966.D
 Acq: 30 Oct 2017 18:11

Instrument :
 BNA_F
 ClientSampleId :

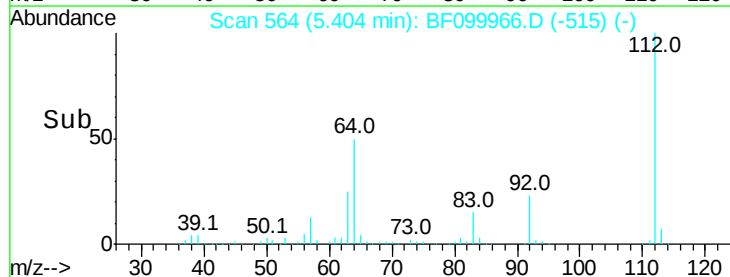
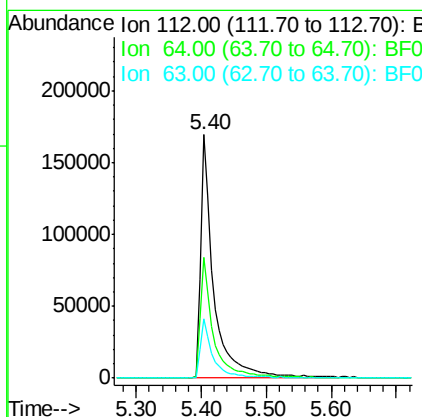
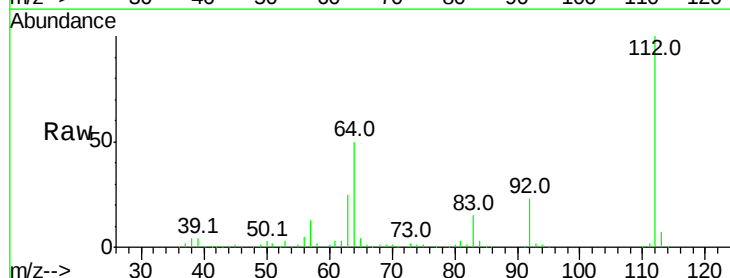
Tot Ion:152 Resp: 94592
 Ion Ratio Lower Upper
 152 100
 150 156.1 124.6 186.8
 115 55.6 50.1 75.1

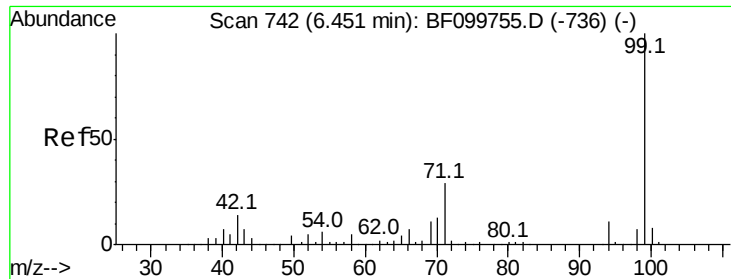


#5

2-Fluorophenol
 Concen: 39.260 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF099966.D
 Acq: 30 Oct 2017 18:11

Tgt Ion:112 Resp: 236546
 Ion Ratio Lower Upper
 112 100
 64 49.7 47.9 71.9
 63 24.5 23.7 35.5





#7

Phenol-d6

Concen: 44.237 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF099966.D

Acq: 30 Oct 2017 18:11

Instrument :

BNA_F

ClientSampleId :

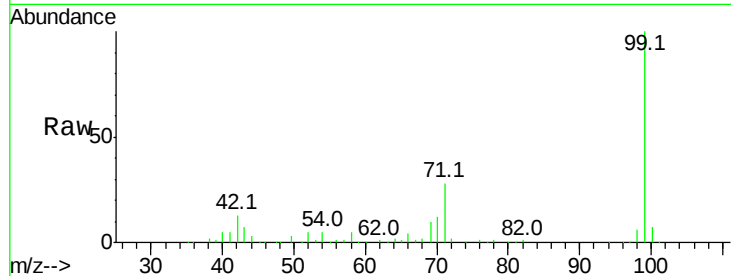
Tot Ion: 99 Resp: 316036

Ion Ratio Lower Upper

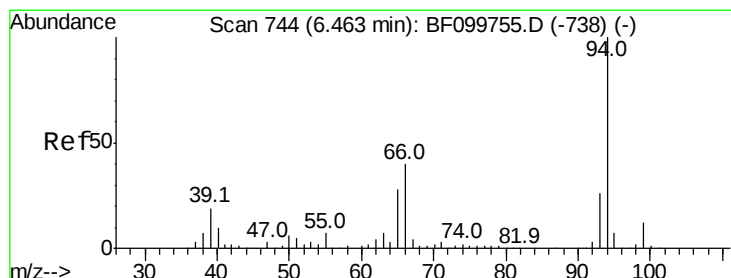
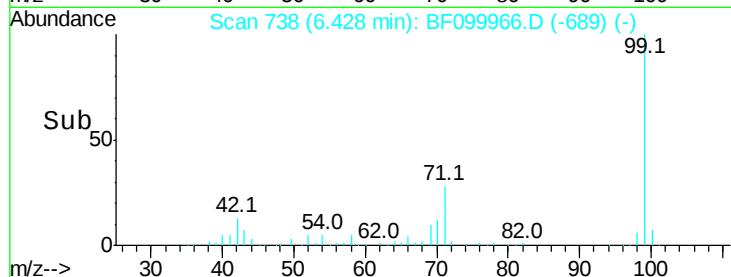
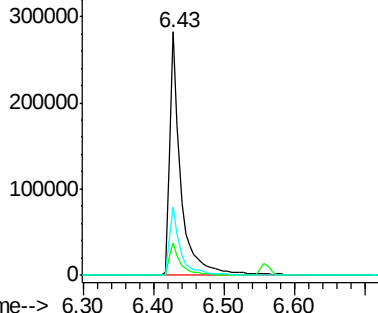
99 100

42 13.3 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



#10

Phenol

Concen: 2.012 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099966.D

Acq: 30 Oct 2017 18:11

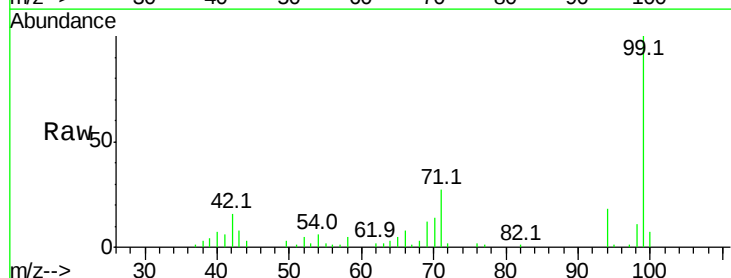
Tgt Ion: 94 Resp: 15778

Ion Ratio Lower Upper

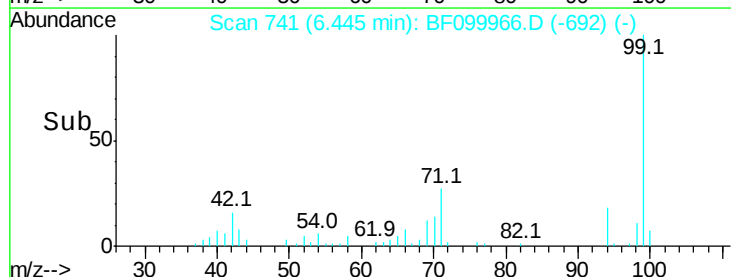
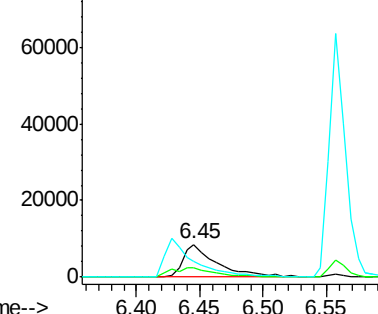
94 100

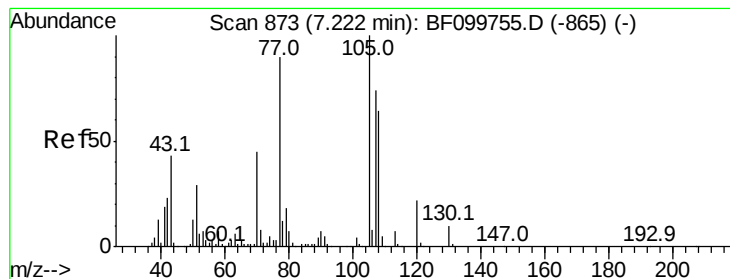
65 27.6 7.9 47.9

66 46.3 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: 4.670 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099966.D

Acq: 30 Oct 2017 18:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 19550

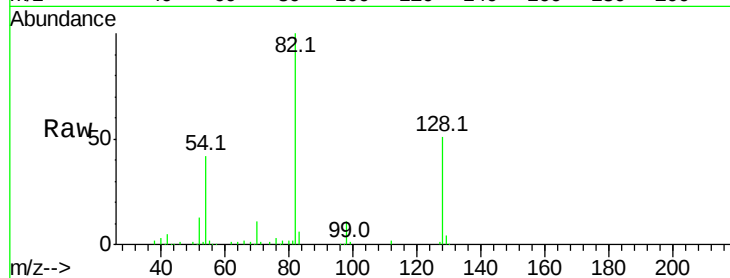
Ion Ratio Lower Upper

70 100

42 40.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#



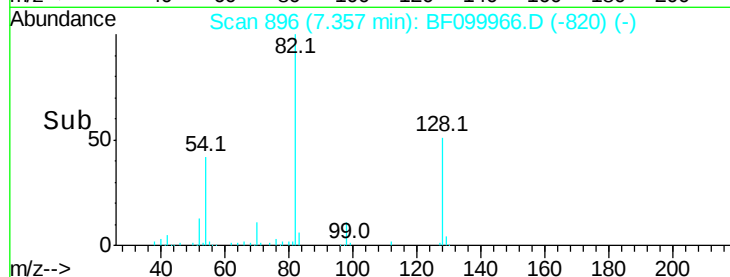
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

Time-->



Abundance

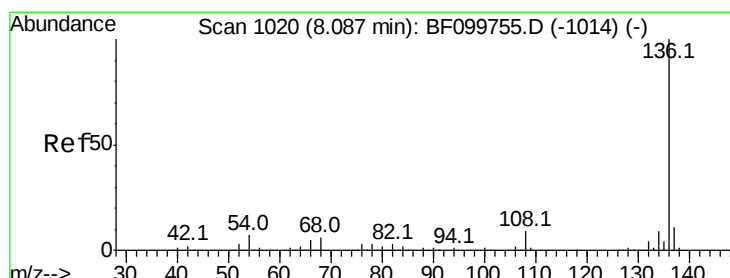
Ion 70.00 (69.70 to 70.70): BF0

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

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF099966.D

Acq: 30 Oct 2017 18:11

Tgt Ion: 136 Resp: 379935

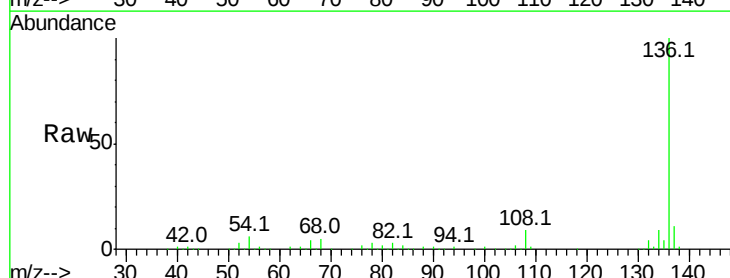
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.4 6.6 9.8#

68 5.5 5.0 7.4



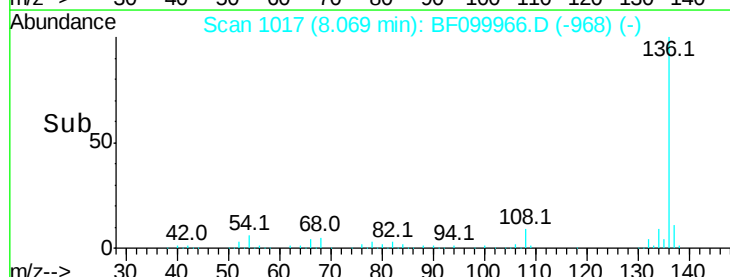
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->



Abundance

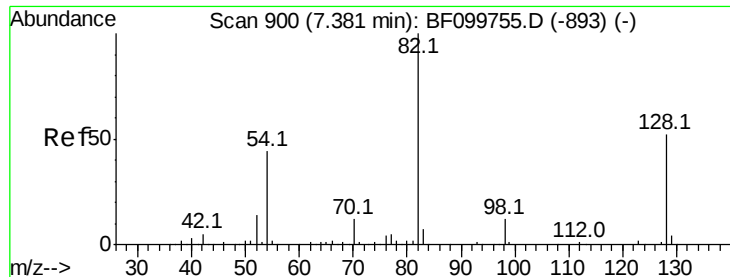
Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

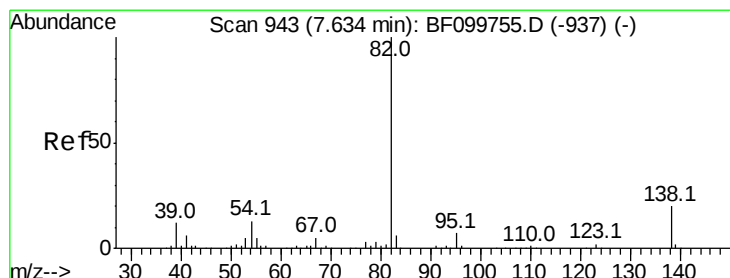
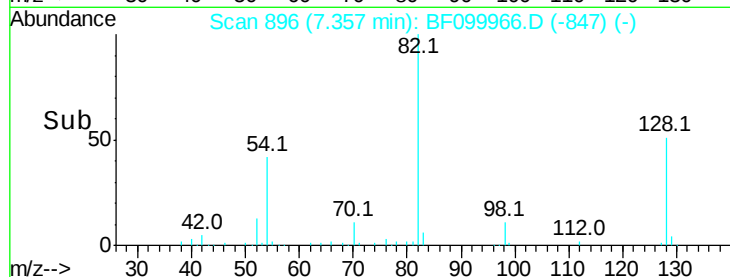
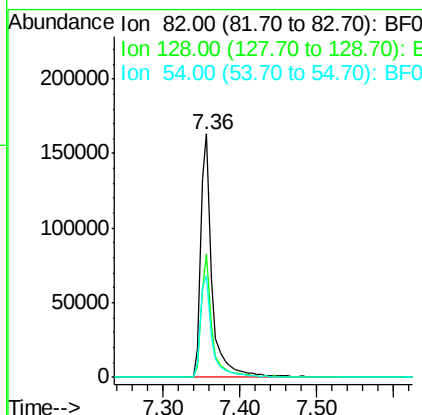
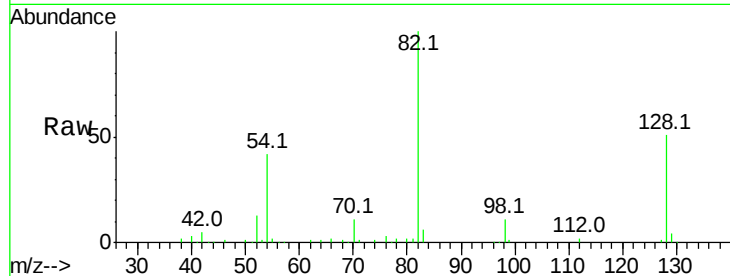
Time-->



#23
 Nitrobenzene-d5
 Concen: 28.507 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF099966.D
 Acq: 30 Oct 2017 18:11

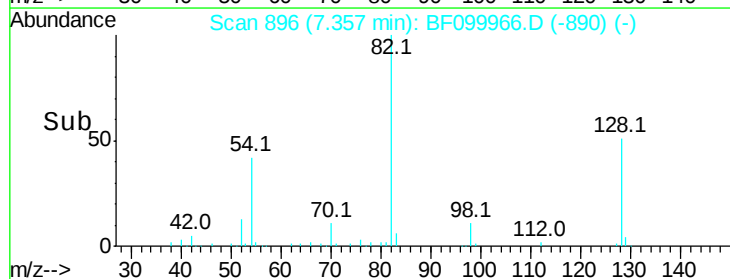
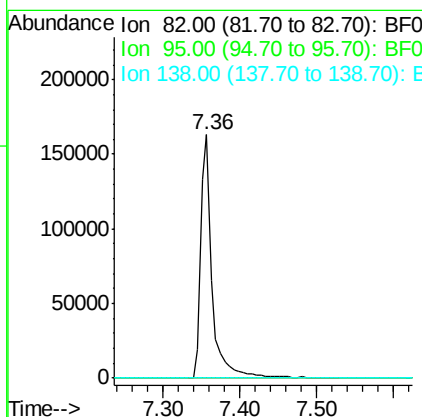
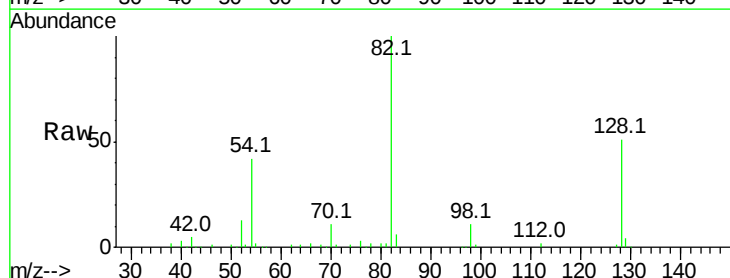
Instrument :
 BNA_F
 ClientSampleId :

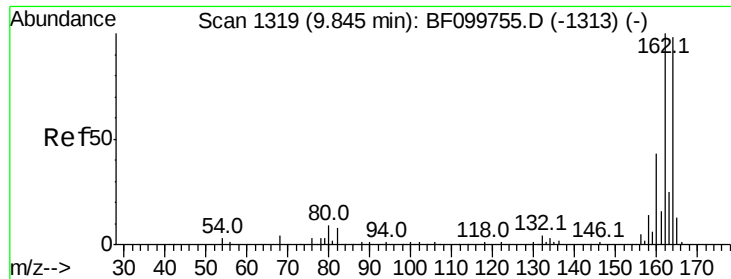
Tot Ion: 82 Resp: 168234
 Ion Ratio Lower Upper
 82 100
 128 50.9 36.1 54.1
 54 41.6 41.4 62.2



#25
 Isophorone
 Concen: 15.710 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF099966.D
 Acq: 30 Oct 2017 18:11

Tgt Ion: 82 Resp: 168234
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

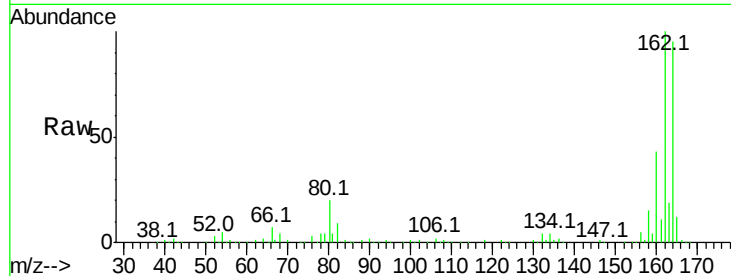




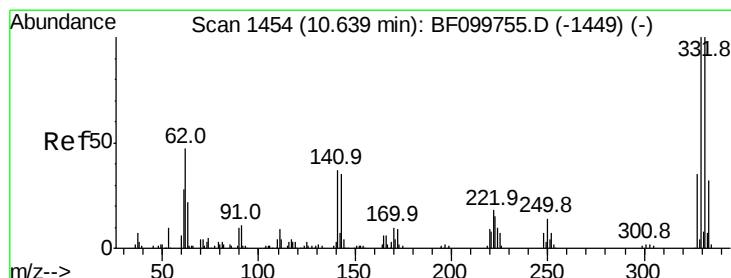
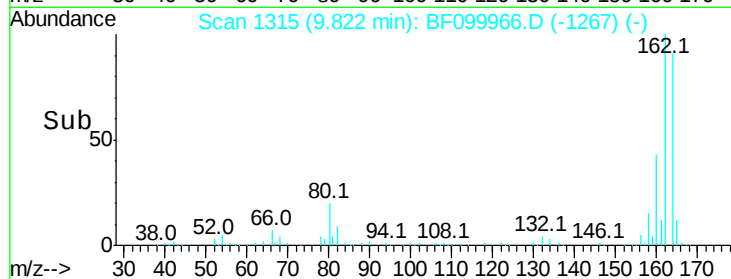
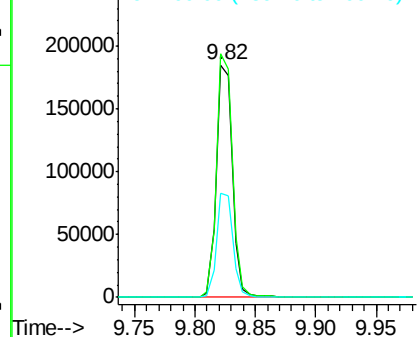
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.02 min
 Lab File: BF099966.D
 Acq: 30 Oct 2017 18:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 168854
 Ion Ratio Lower Upper
 164 100
 162 104.8 86.1 129.1
 160 44.6 38.3 57.5

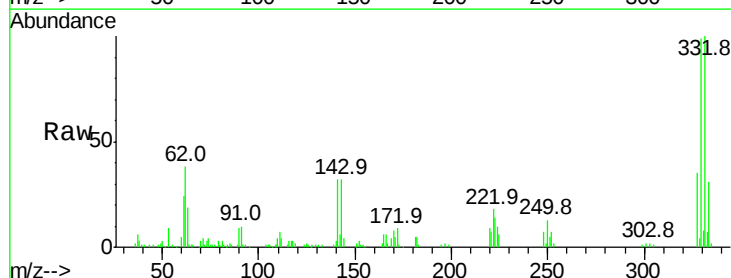


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

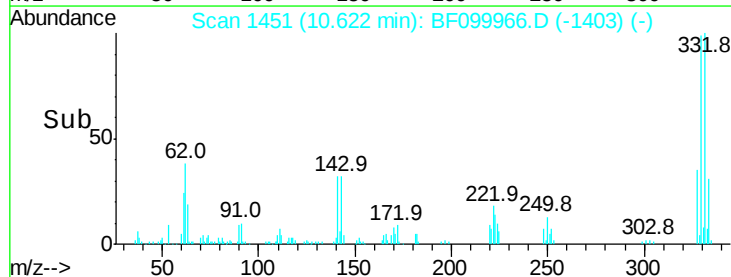
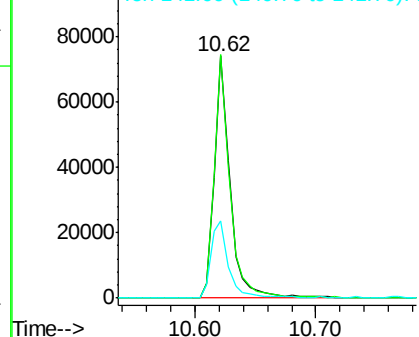


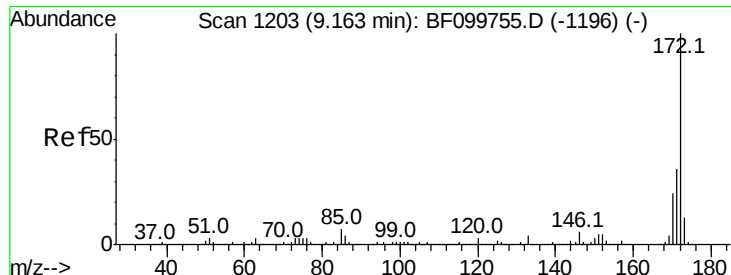
#41
 2,4,6-Tribromophenol
 Concen: 43.501 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.02 min
 Lab File: BF099966.D
 Acq: 30 Oct 2017 18:11

Tgt Ion:330 Resp: 66939
 Ion Ratio Lower Upper
 330 100
 332 99.5 77.0 115.6
 141 36.1 29.9 44.9



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

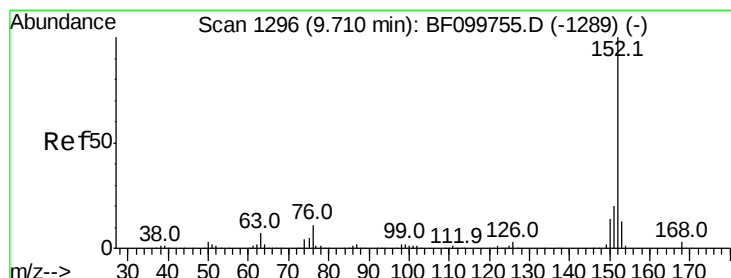
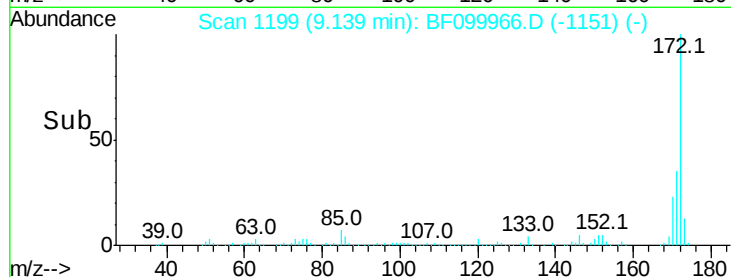
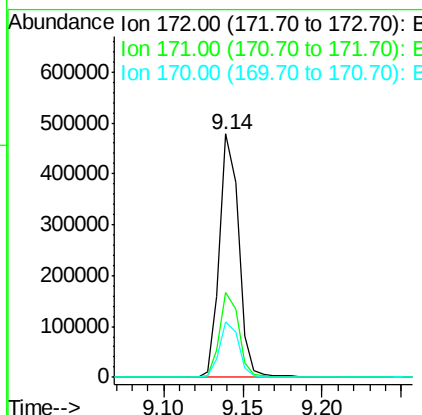
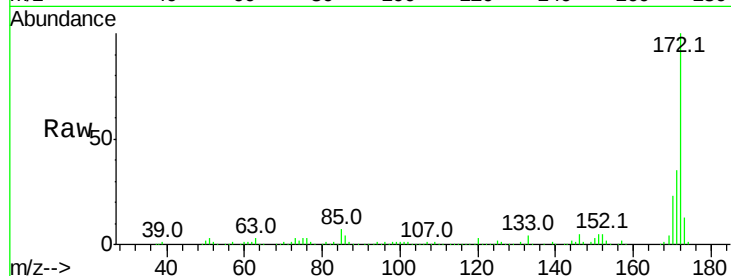




#44
2-Fluorobiphenyl
Concen: 37.128 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.02 min
Lab File: BF099966.D
Acq: 30 Oct 2017 18:11

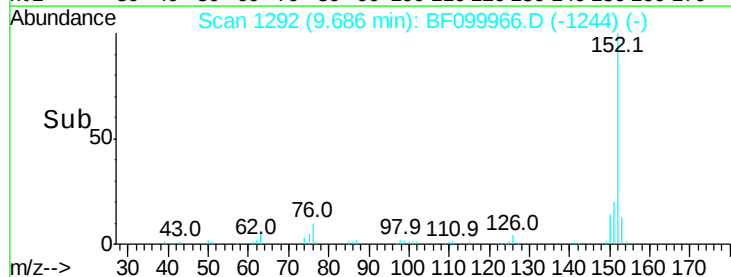
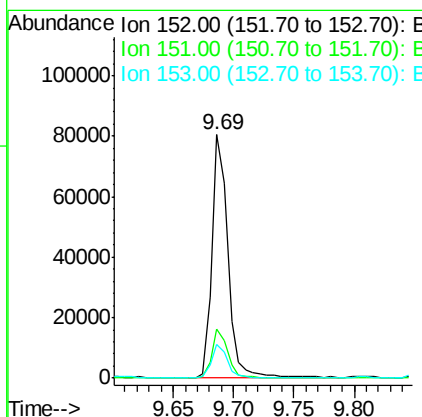
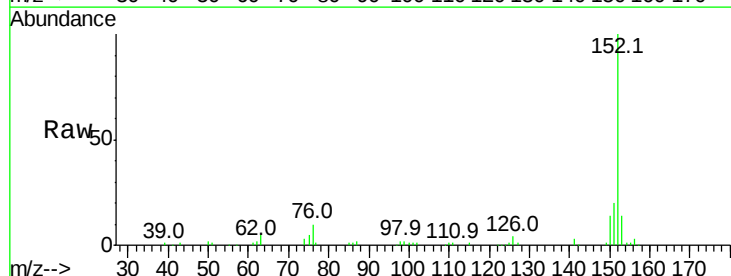
Instrument :
BNA_F
ClientSampleId :

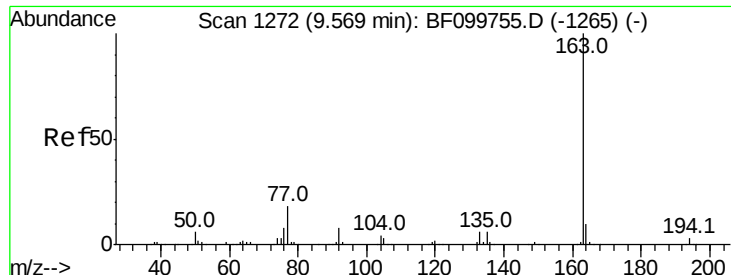
Tot Ion:172 Resp: 406339
Ion Ratio Lower Upper
172 100
171 34.7 29.7 44.5
170 23.0 19.6 29.4



#48
Acenaphthylene
Concen: 4.304 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF099966.D
Acq: 30 Oct 2017 18:11

Tgt Ion:152 Resp: 73540
Ion Ratio Lower Upper
152 100
151 20.2 16.3 24.5
153 13.7 10.7 16.1

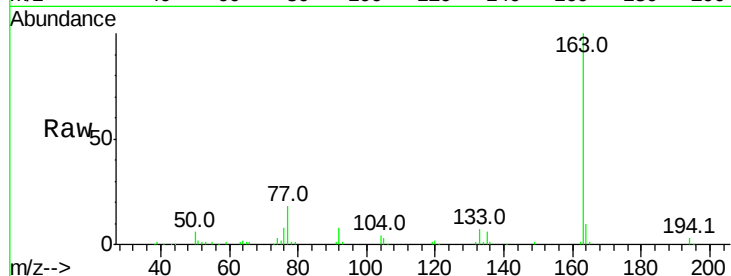




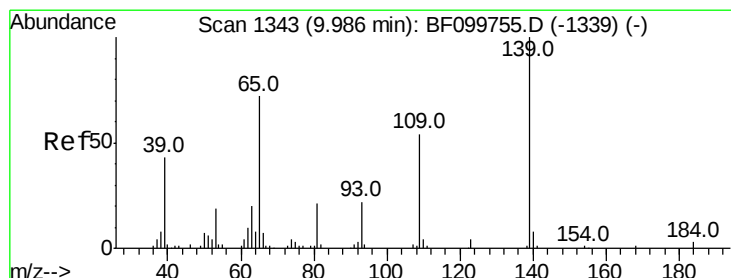
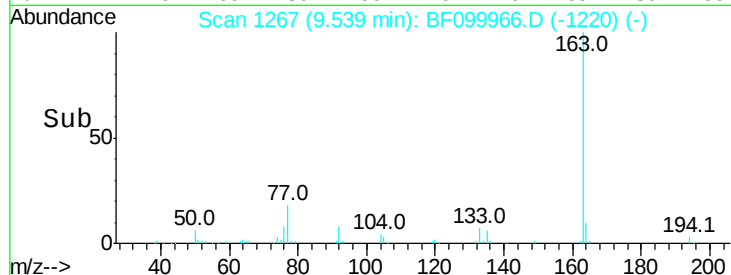
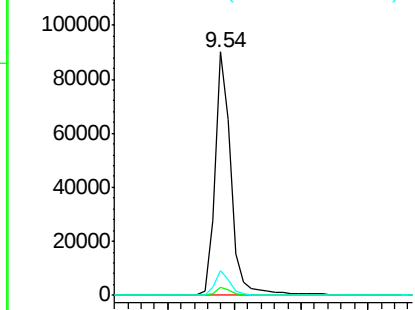
#49
Dimethylphthalate
Concen: 5.697 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF099966.D
Acq: 30 Oct 2017 18:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 76186
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.4 8.2 12.2

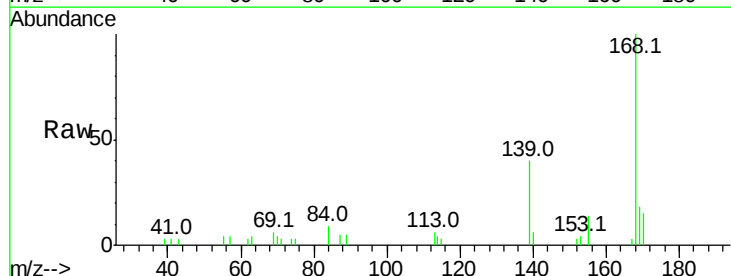


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

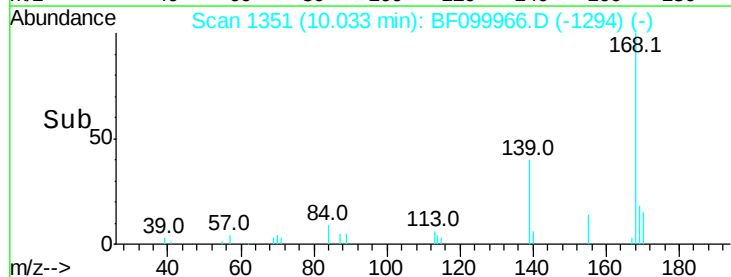
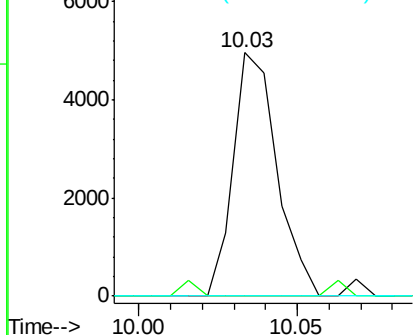


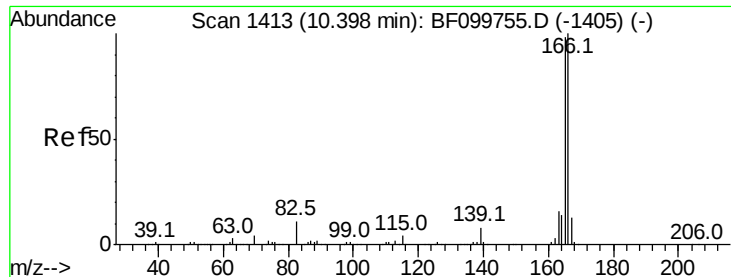
#55
4-Nitrophenol
Concen: 2.728 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.04 min
Lab File: BF099966.D
Acq: 30 Oct 2017 18:11

Tgt Ion:139 Resp: 4721
Ion Ratio Lower Upper
139 100
109 0.0 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): BF0

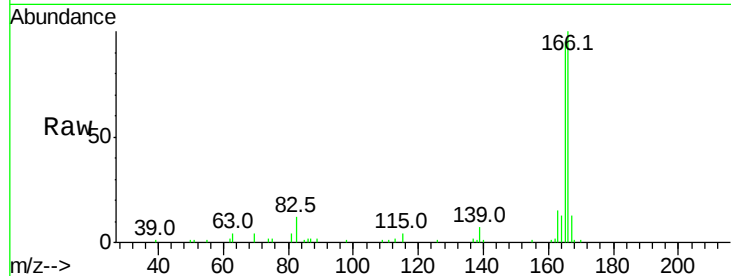




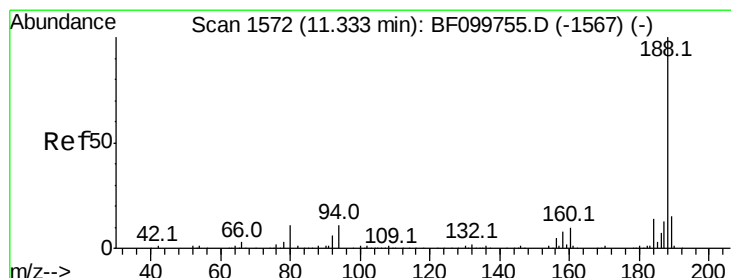
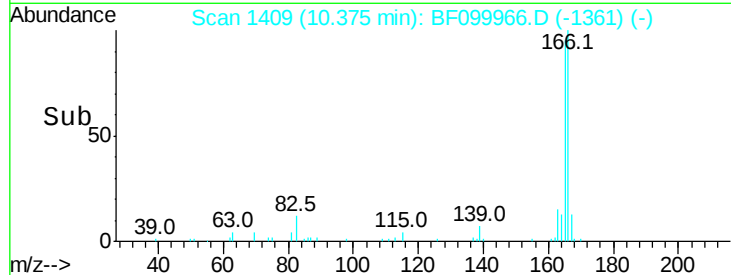
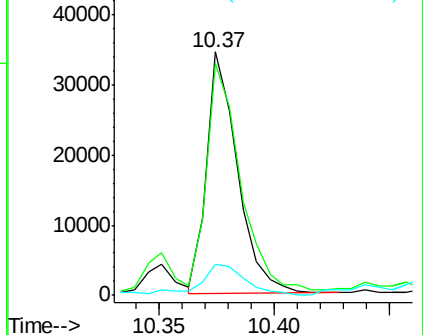
#57
 Fluorene
 Concen: 2.626 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.02 min
 Lab File: BF099966.D
 Acq: 30 Oct 2017 18:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 32042
 Ion Ratio Lower Upper
 166 100
 165 95.5 79.8 119.8
 167 12.8 10.6 16.0

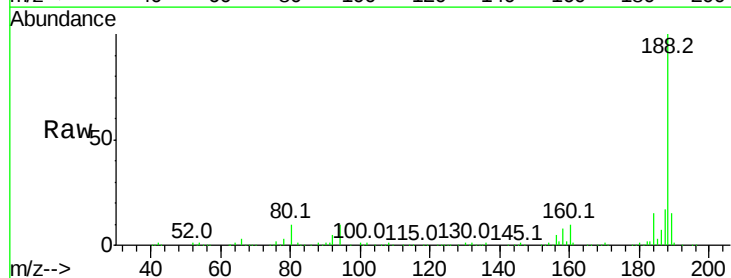


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

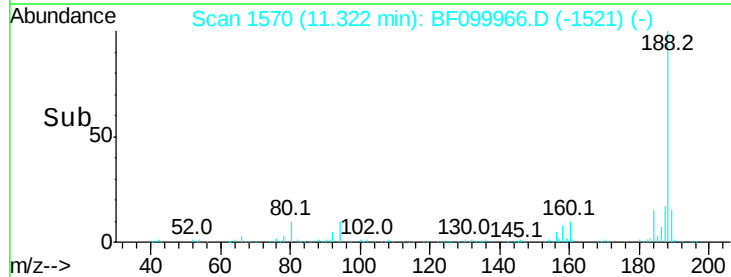
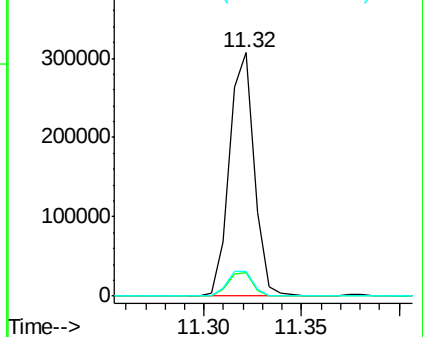


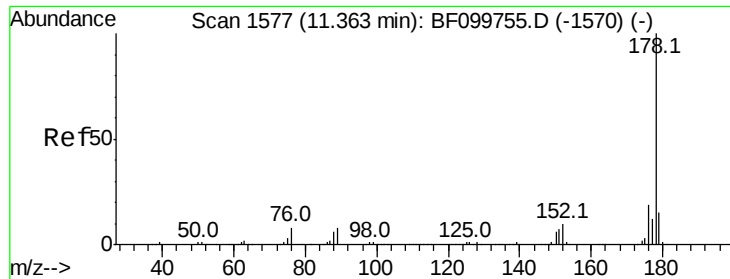
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF099966.D
 Acq: 30 Oct 2017 18:11

Tgt Ion:188 Resp: 271024
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 10.2 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

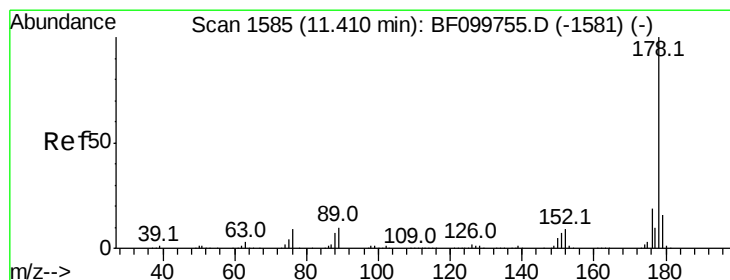
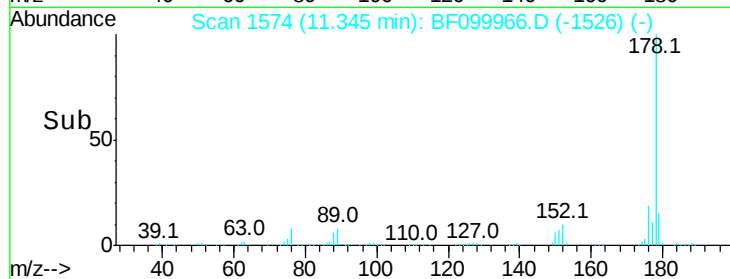
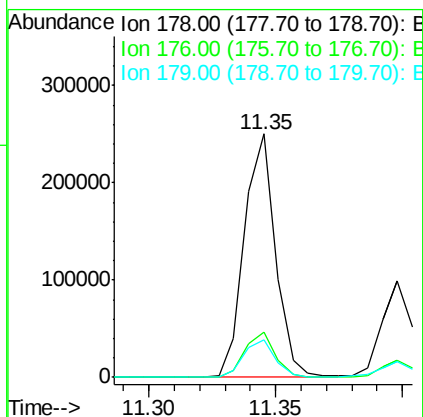
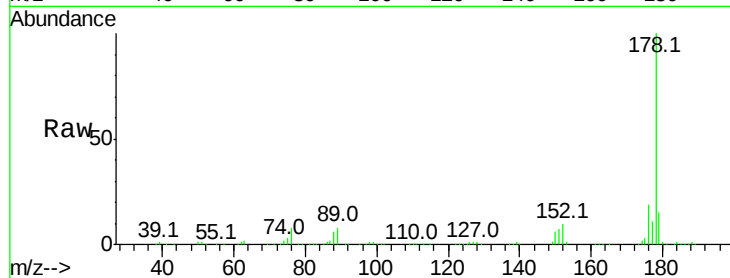




#70
Phenanthrene
Concen: 14.067 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF099966.D
Acq: 30 Oct 2017 18:11

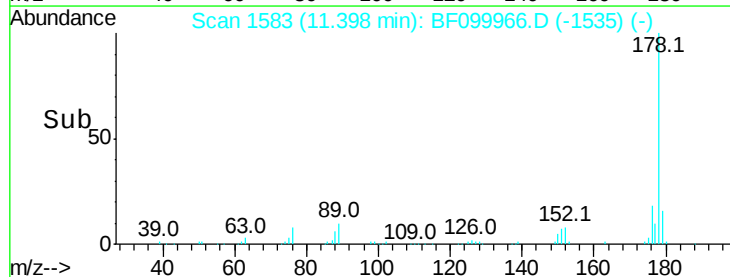
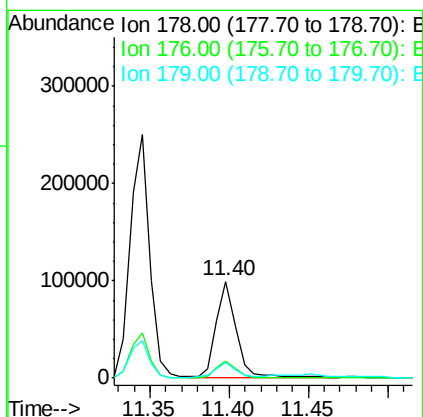
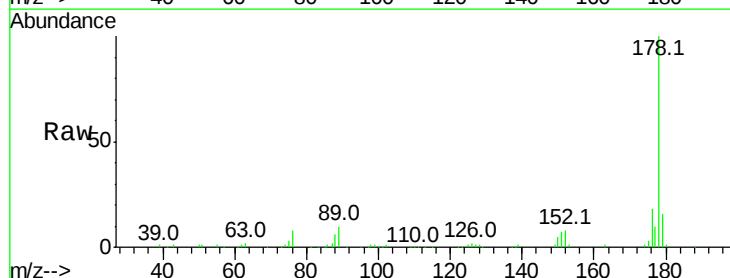
Instrument :
BNA_F
ClientSampleId :

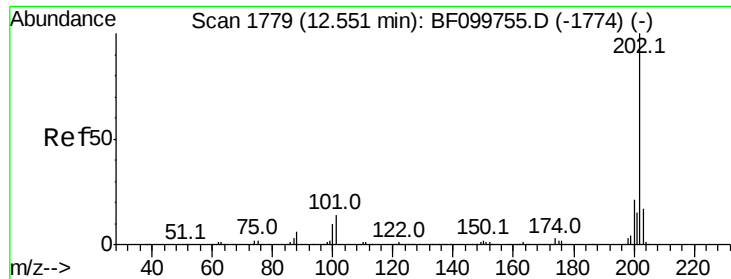
Tot Ion:178 Resp: 215161
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.2 13.0 19.6



#71
Anthracene
Concen: 5.559 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.02 min
Lab File: BF099966.D
Acq: 30 Oct 2017 18:11

Tgt Ion:178 Resp: 86312
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 16.0 12.6 19.0

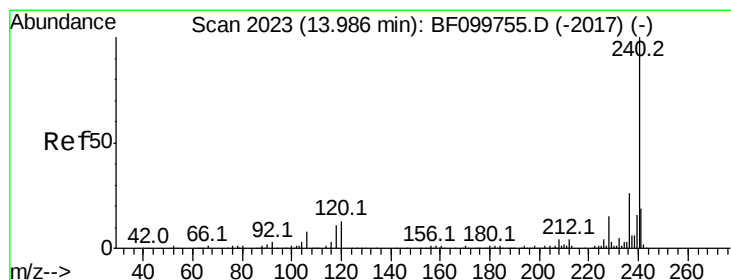
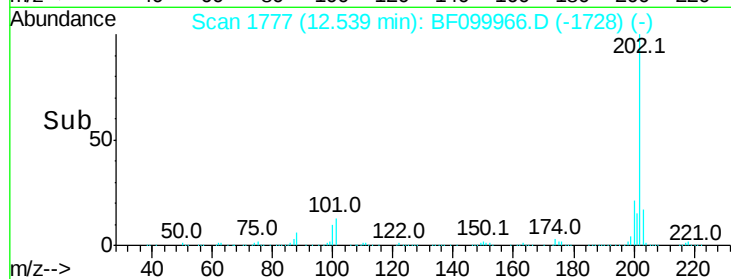
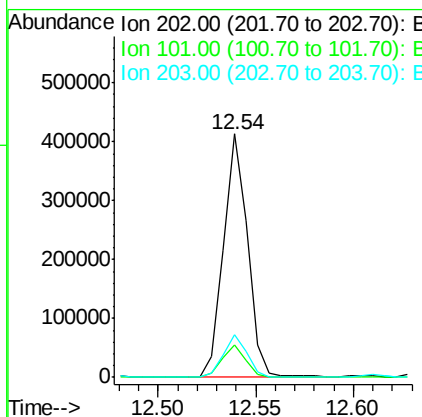
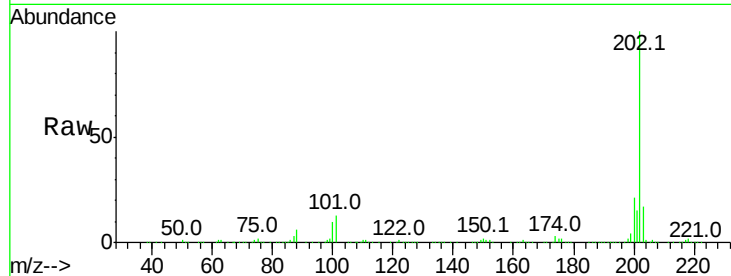




#74
 Fluoranthene
 Concen: 22.419 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF099966.D
 Acq: 30 Oct 2017 18:11

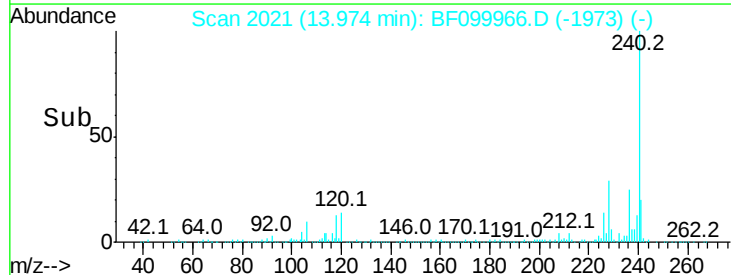
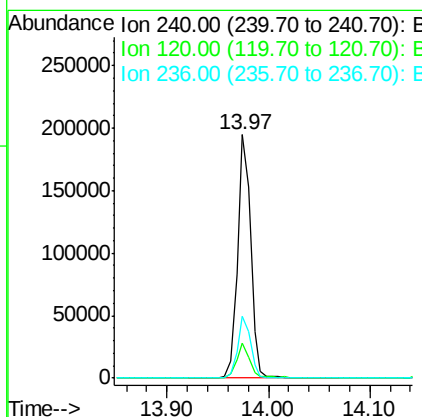
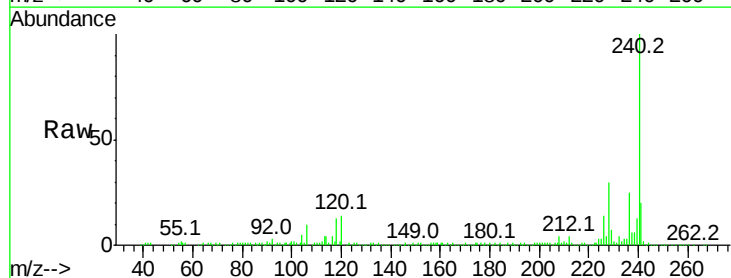
Instrument :
 BNA_F
 ClientSampleId :

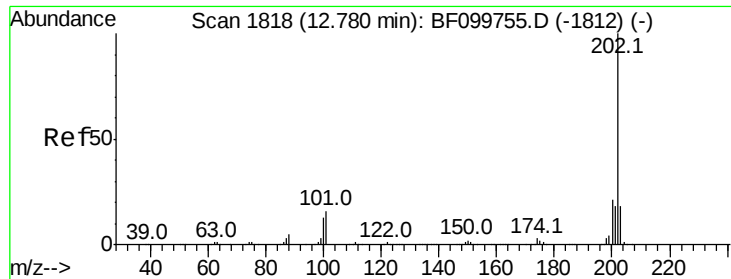
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	17.4	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.02 min
 Lab File: BF099966.D
 Acq: 30 Oct 2017 18:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.2	9.5	14.3
236	25.1	20.7	31.1

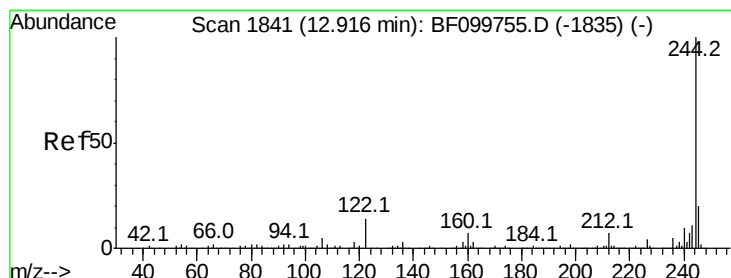
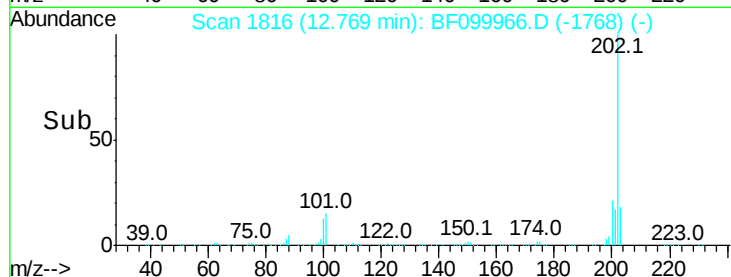
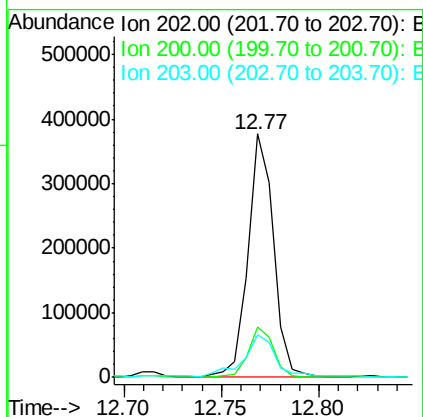
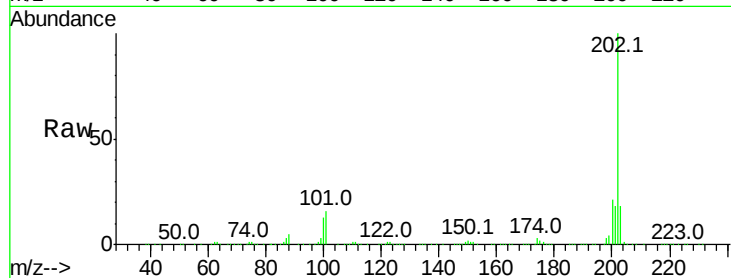




#77
Pvrene
Concen: 25.208 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF099966.D
Acq: 30 Oct 2017 18:11

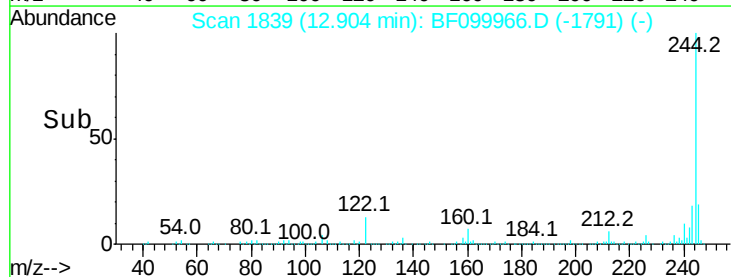
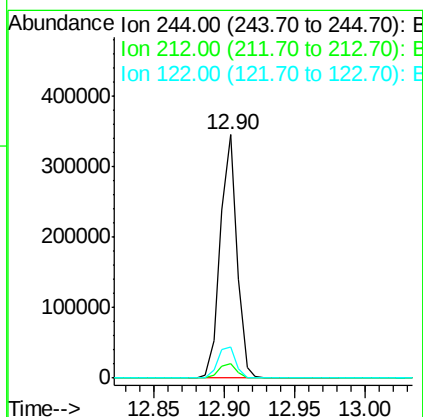
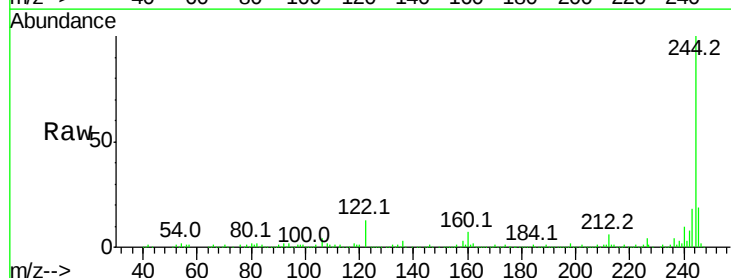
Instrument :
BNA_F
ClientSampled :

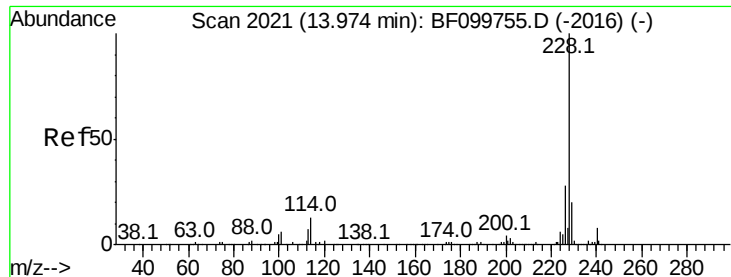
Tot Ion:202 Resp: 338294
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 17.7 14.3 21.5



#78
Terphenyl-d14
Concen: 35.167 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.02 min
Lab File: BF099966.D
Acq: 30 Oct 2017 18:11

Tgt Ion:244 Resp: 284010
Ion Ratio Lower Upper
244 100
212 6.2 5.4 8.0
122 12.9 11.0 16.4





#80

Benzo(a)anthracene

Concen: 15.994 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF099966.D

Acq: 30 Oct 2017 18:11

Instrument :

BNA_F

ClientSampled :

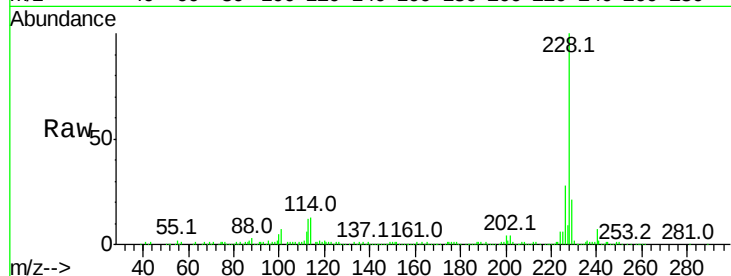
Tot Ion:228 Resp: 178949

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

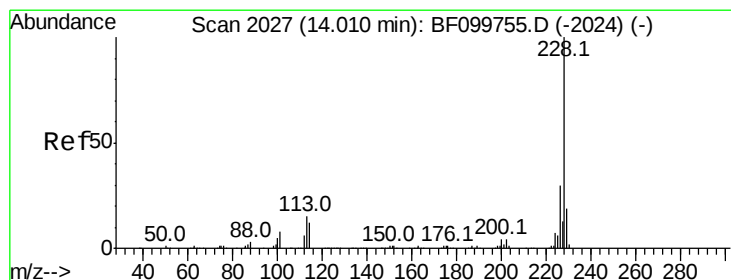
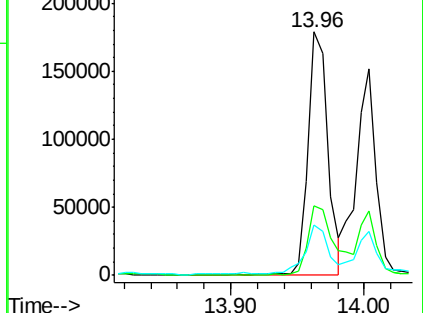
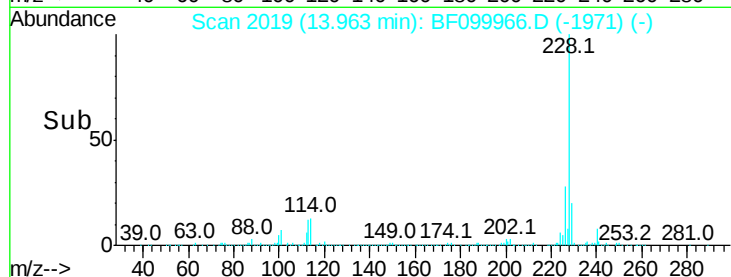
229 20.8 15.8 23.6



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: 14.969 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF099966.D

Acq: 30 Oct 2017 18:11

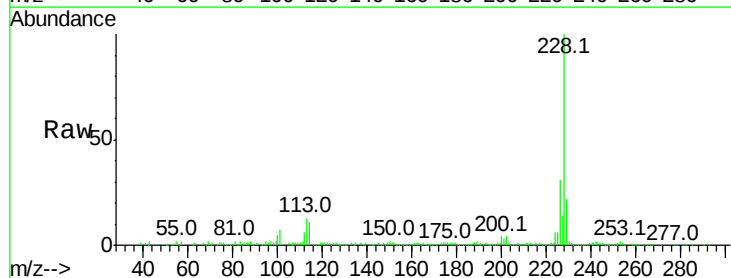
Tgt Ion:228 Resp: 157447

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

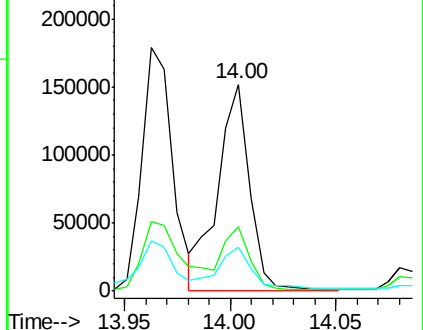
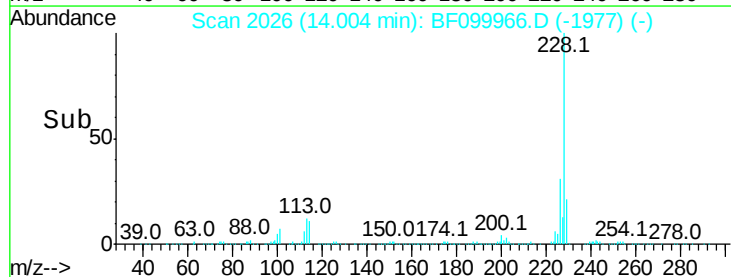
229 21.5 16.2 24.4

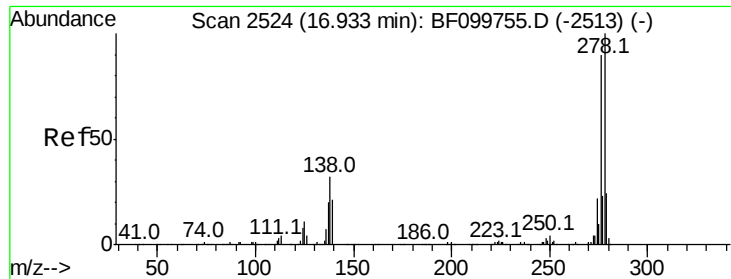


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

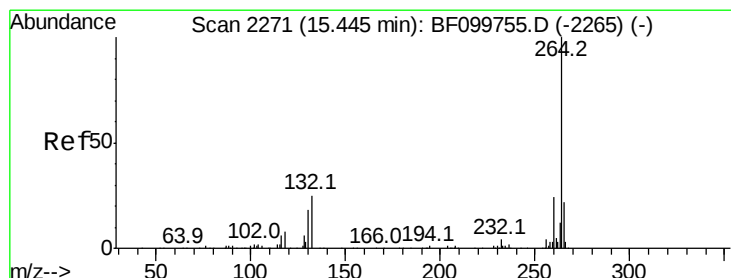
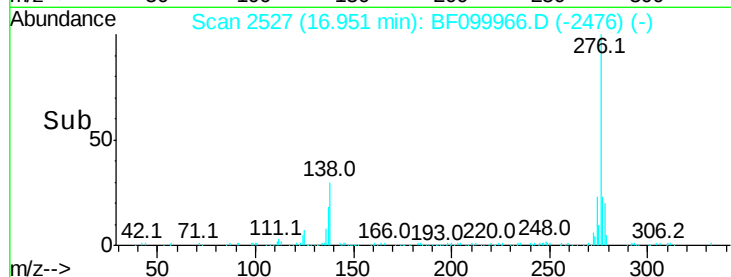
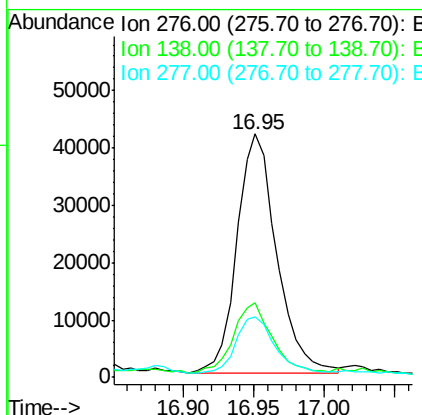
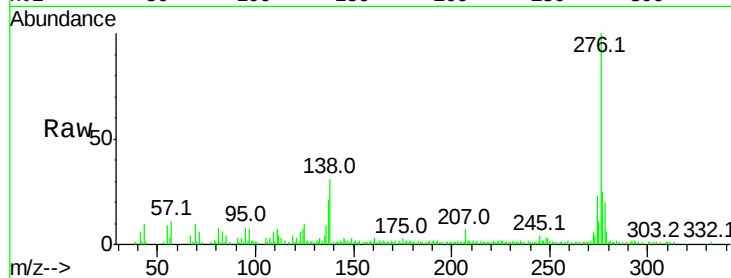




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.530 ng
 RT: 16.95 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: BF099966.D
 Acq: 30 Oct 2017 18:11

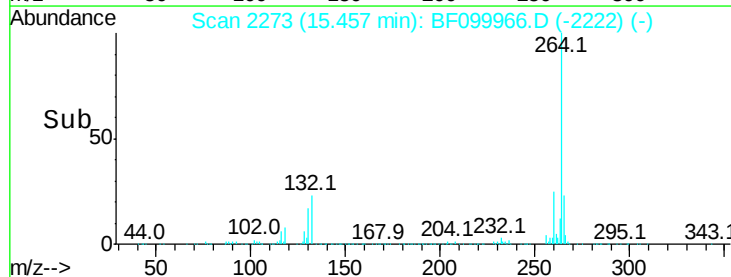
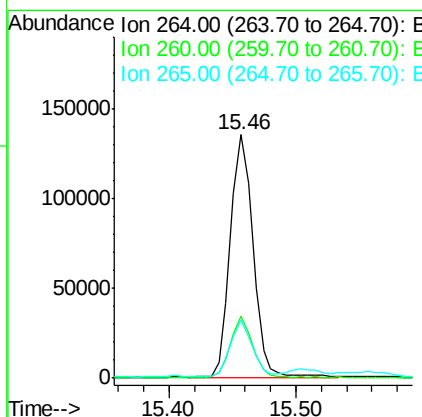
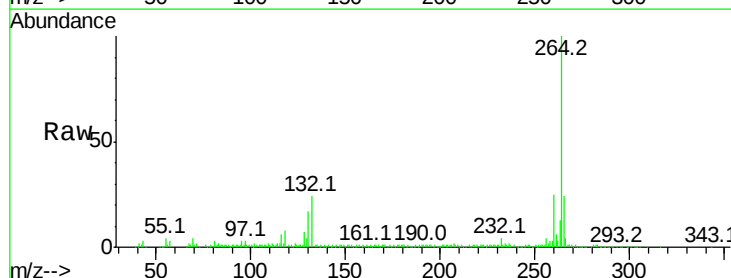
Instrument :
 BNA_F
 ClientSampleId :

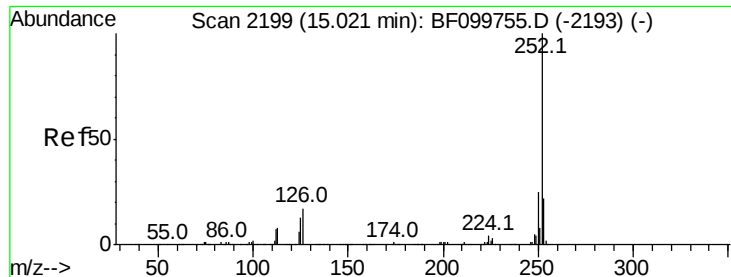
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.2	25.0	37.6
277	23.6	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: BF099966.D
 Acq: 30 Oct 2017 18:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	23.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 27.119 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.01 min

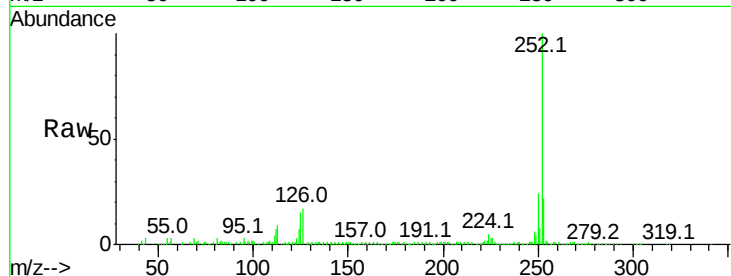
Lab File: BF099966.D

Acq: 30 Oct 2017 18:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 289161

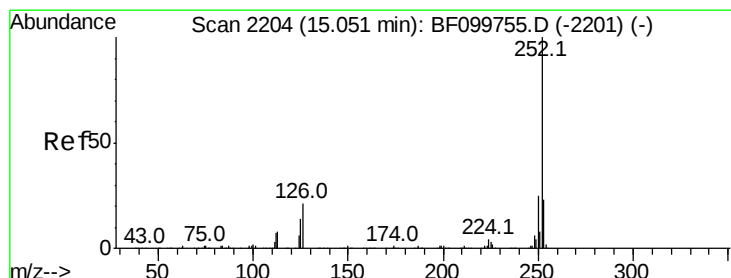
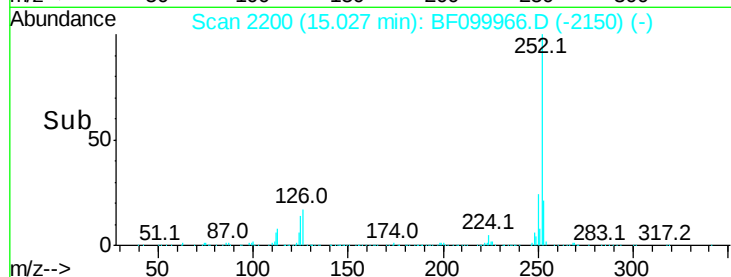
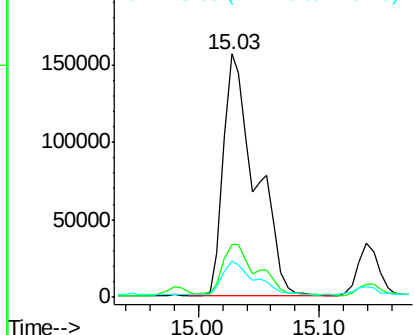
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	14.8	9.0	13.6



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: 28.760 ng

RT: 15.03 min Scan# 2200

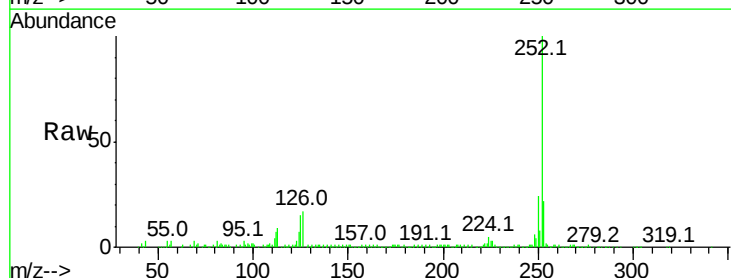
Delta R.T. -0.04 min

Lab File: BF099966.D

Acq: 30 Oct 2017 18:11

Tgt Ion:252 Resp: 289161

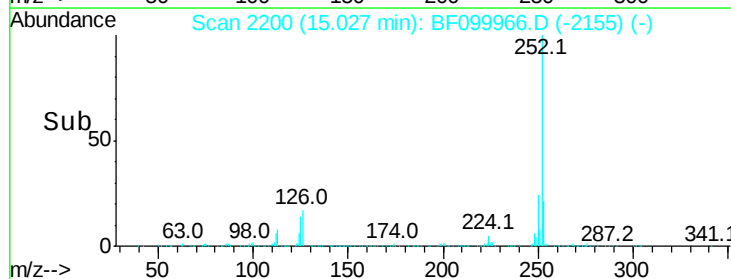
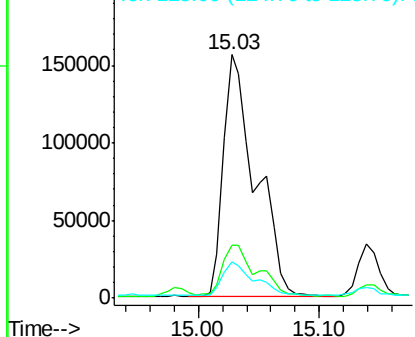
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	14.8	10.2	15.2

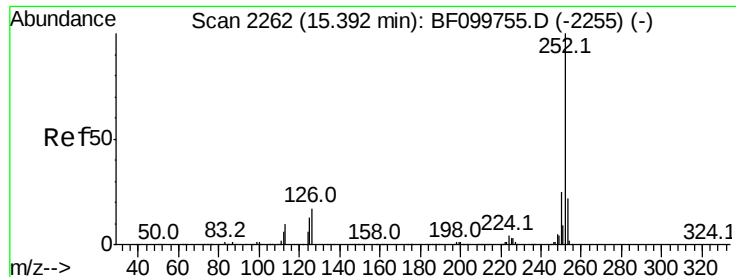


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 16.793 ng

RT: 15.40 min Scan# 2263

Delta R.T. -0.01 min

Lab File: BF099966.D

Acq: 30 Oct 2017 18:11

Instrument :

BNA_F

ClientSampleId :

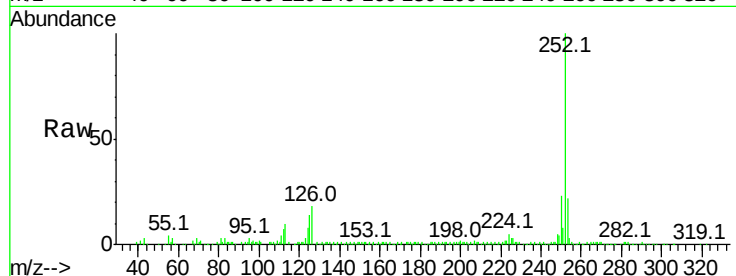
Tot Ion:252 Resp: 160840

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

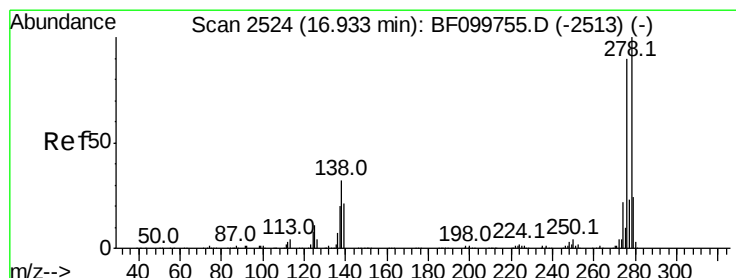
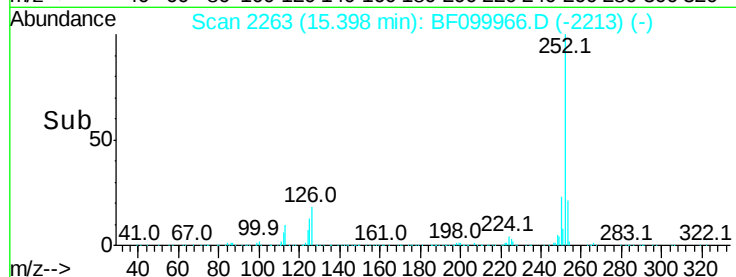
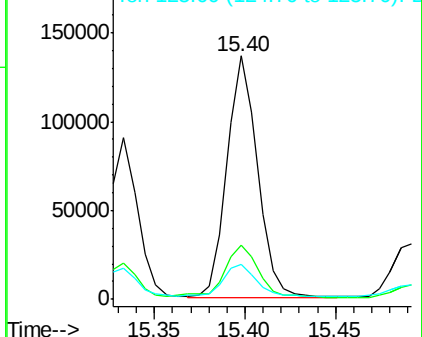
125 14.4 9.8 14.6



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: 2.426 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF099966.D

Acq: 30 Oct 2017 18:11

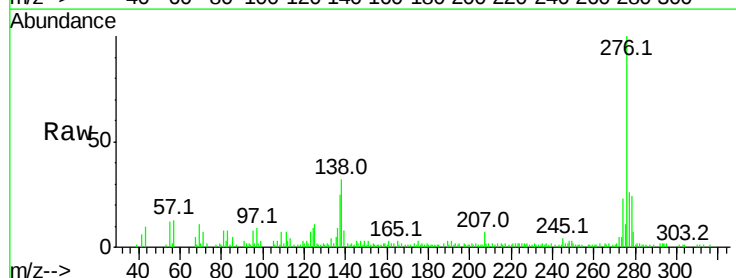
Tgt Ion:278 Resp: 20644

Ion Ratio Lower Upper

278 100

139 32.5 15.9 23.9#

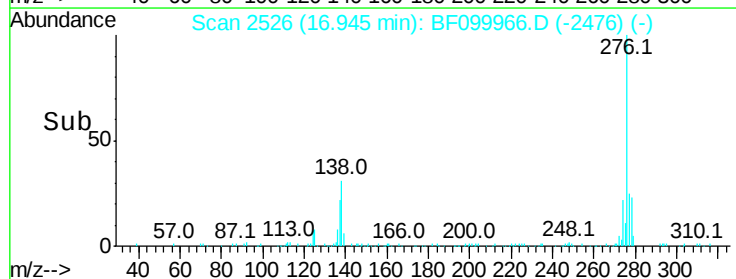
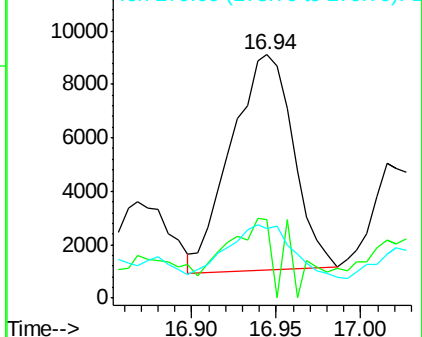
279 28.5 19.0 28.4#

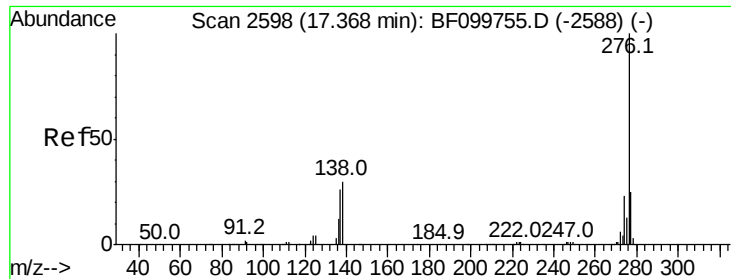


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 8.924 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. 0.01 min
 Lab File: BF099966.D
 Acq: 30 Oct 2017 18:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 74302
 Ion Ratio Lower Upper
 276 100
 277 26.6 17.9 26.9
 138 28.6 21.8 32.8

