

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF110317\
 Data File : BF100166.D
 Acq On : 4 Nov 2017 6:41
 Operator : SJ/JU
 Sample : I6265-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Nov 04 11:49:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.769	152	91470	20.00	ng	0.00
21) Naphthalene-d8	8.051	136	362900	20.00	ng	0.00
38) Acenaphthene-d10	9.804	164	153723	20.00	ng	0.00
63) Phenanthrene-d10	11.298	188	234798	20.00	ng	0.00
75) Chrysene-d12	13.951	240	151721	20.00	ng	0.00
86) Perylene-d12	15.415	264	152537	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	553139	94.94	ng	0.00
7) Phenol-d6	6.416	99	652367	94.43	ng	-0.01
23) Nitrobenzene-d5	7.339	82	356312	63.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.604	330	121340	86.62	ng	0.00
44) 2-Fluorobiphenyl	9.122	172	601388	60.36	ng	0.00
78) Terphenyl-d14	12.874	244	361451	52.06	ng	0.00

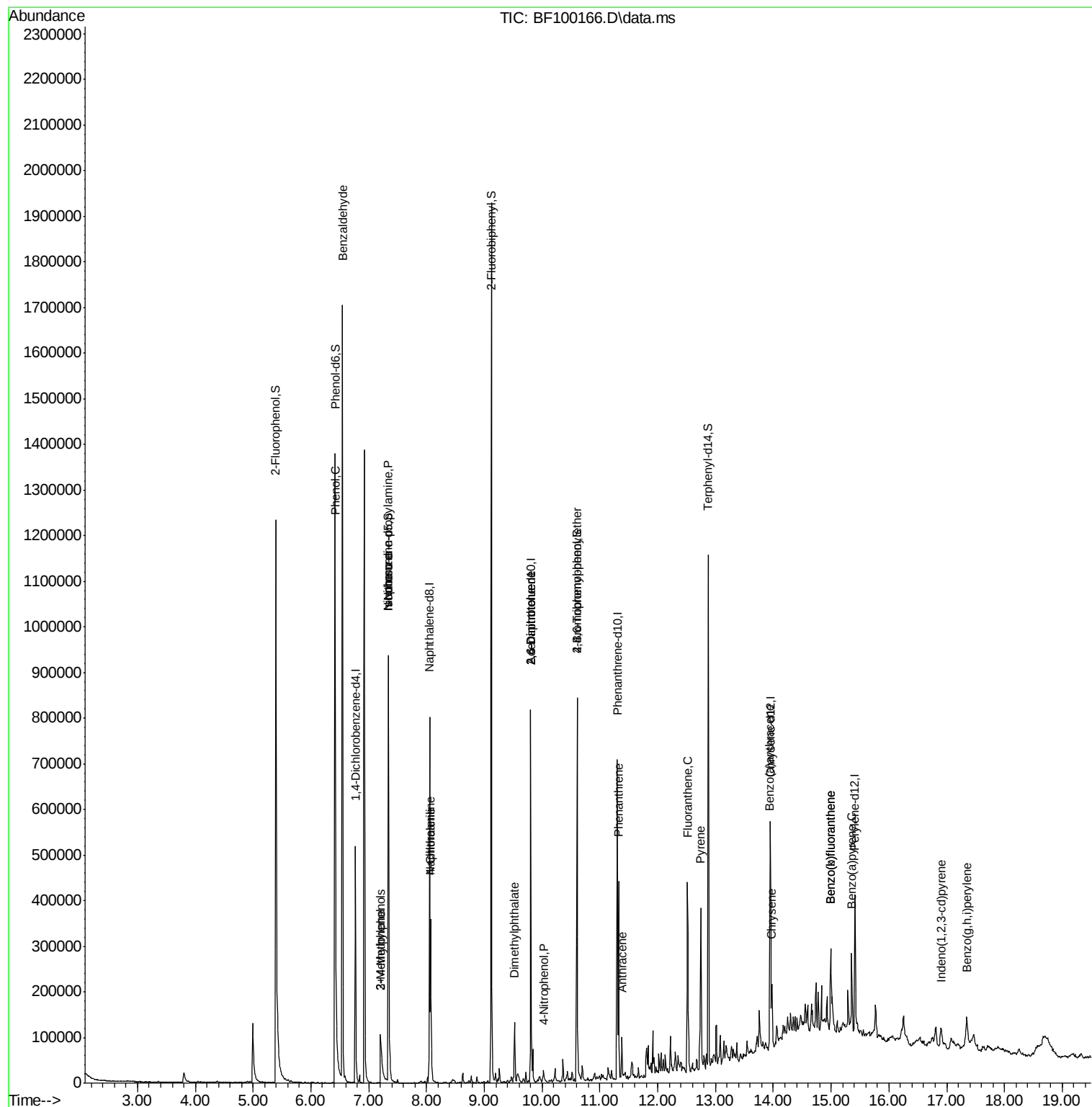
Target Compounds						Qvalue
9) Benzaldehyde	6.545	77	9410	2.28	ng	94
10) Phenol	6.428	94	36003	4.75	ng	# 79
17) 2-Methylphenol	7.210	107	75036	14.45	ng	# 65
19) n-Nitroso-di-n-propyla...	7.339	70	44736	11.05	ng	# 73
20) 3+4-Methylphenols	7.210	107	79529	13.15	ng	# 80
25) Isophorone	7.339	82	356312	34.84	ng	# 64
31) Naphthalene	8.075	128	193411	11.04	ng	97
33) 4-Chloroaniline	8.075	127	24465	3.38	ng	# 36
49) Dimethylphthalate	9.522	163	60566	4.98	ng	99
50) 2,6-Dinitrotoluene	9.804	165	19982	7.81	ng	# 26
55) 4-Nitrophenol	10.022	139	3986	2.53	ng	# 9
56) 2,4-Dinitrotoluene	9.804	165	19982	6.48	ng	# 23
66) 4-Bromophenyl-phenylether	10.604	248	7792	3.15	ng	# 1
70) Phenanthrene	11.321	178	159551	12.04	ng	98
71) Anthracene	11.380	178	36484	2.71	ng	99
74) Fluoranthene	12.515	202	162822	11.82	ng	97
77) Pyrene	12.745	202	149083	12.92	ng	98
80) Benzo(a)anthracene	13.939	228	60124	6.25	ng	95
82) Chrysene	13.980	228	56334	6.23	ng	97
85) Indeno(1,2,3-cd)pyrene	16.903	276	33073	3.98	ng	94
87) Benzo(b)fluoranthene	14.992	252	98756	10.25	ng	# 91
88) Benzo(k)fluoranthene	14.992	252	98756	10.87	ng	# 94
89) Benzo(a)pyrene	15.356	252	62281	7.20	ng	# 95
91) Benzo(g,h,i)perylene	17.350	276	29950	3.98	ng	97

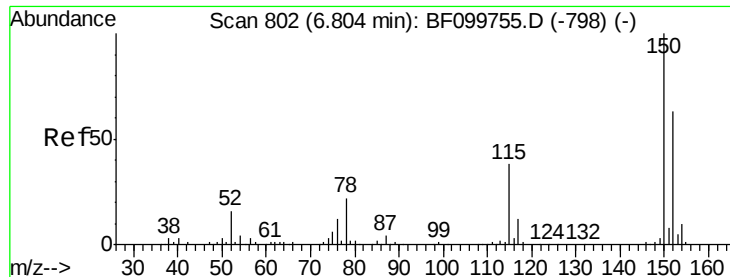
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF110317\
Data File : BF100166.D
Acq On : 4 Nov 2017 6:41
Operator : SJ/JU
Sample : I6265-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Time: Nov 04 11:49:21 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 15:46:10 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.769 min Scan# 79

Delta R.T. -0.000 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Instrument :

BNA_F

ClientSampleId :

COMP-2

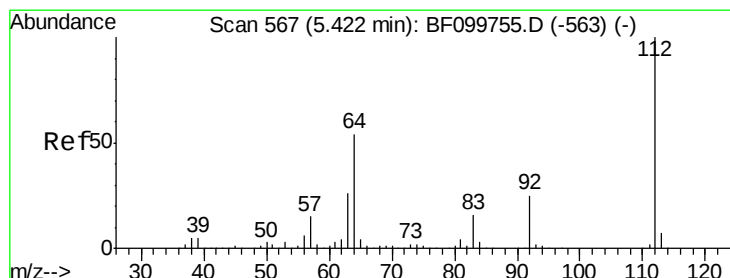
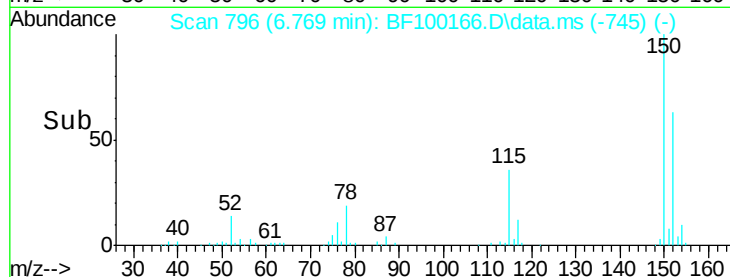
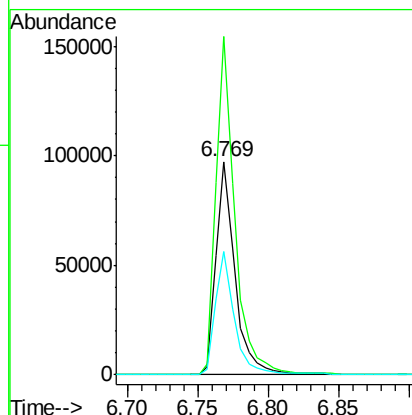
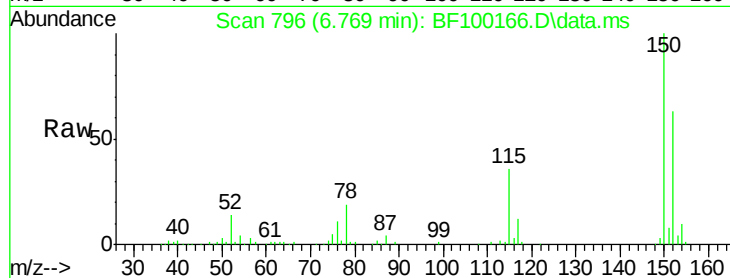
Tot Ion:152 Resp: 91470

Ion Ratio Lower Upper

152 100

150 158.6 124.6 186.8

115 57.5 50.1 75.1



#5

2-Fluorophenol

Concen: 94.94 ng

RT: 5.392 min Scan# 562

Delta R.T. -0.000 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

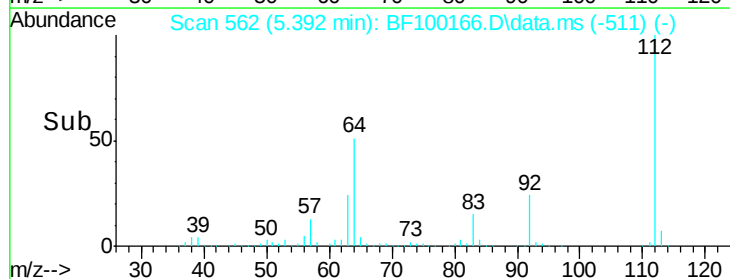
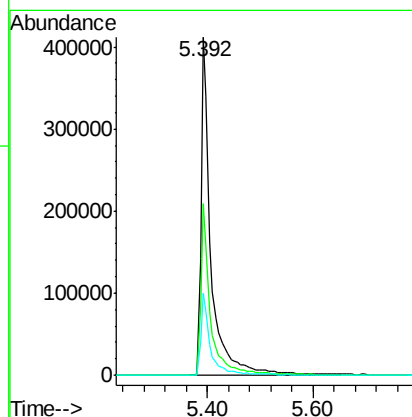
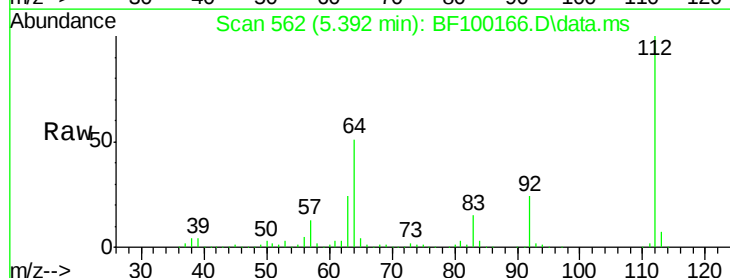
Tgt Ion:112 Resp: 553139

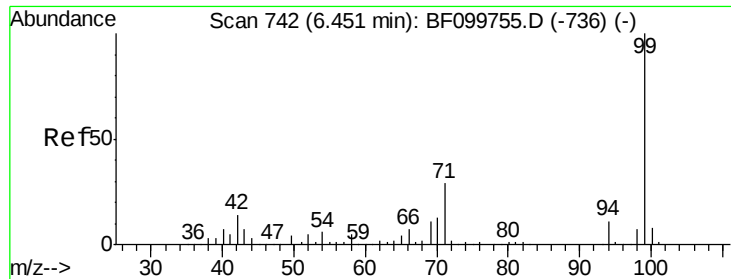
Ion Ratio Lower Upper

112 100

64 50.8 47.9 71.9

63 24.1 23.7 35.5





#7

Phenol-d6

Concen: 94.43 ng

RT: 6.416 min Scan# 73

Delta R.T. -0.012 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Instrument :

BNA_F

ClientSampled :

COMP-2

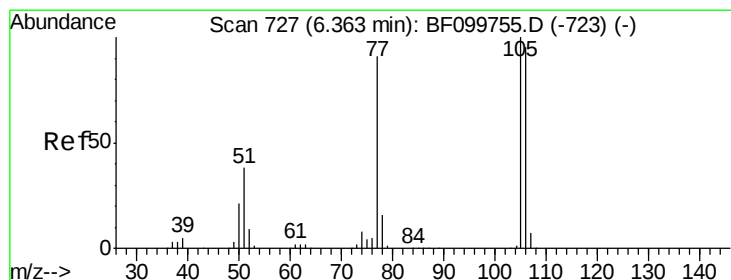
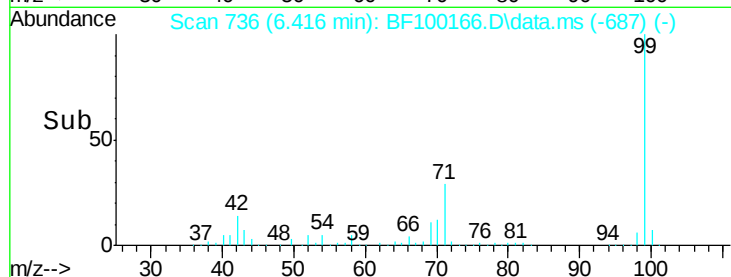
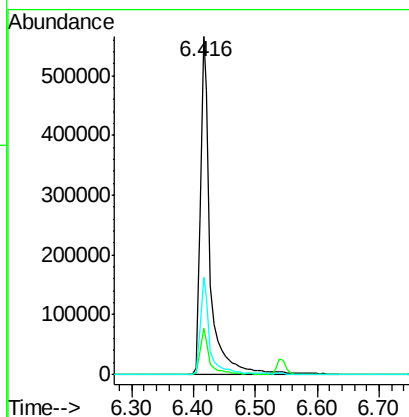
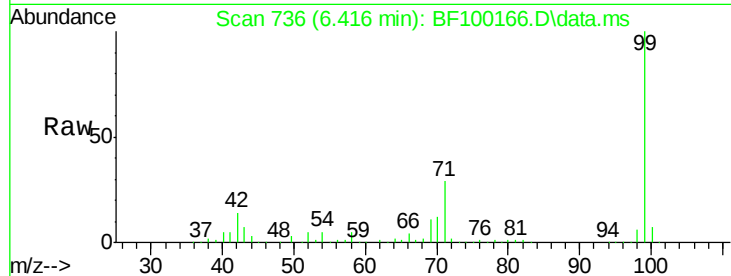
Tot Ion: 99 Resp: 652367

Ion Ratio Lower Upper

99 100

42 13.8 14.5 21.7#

71 29.0 25.4 38.0



#9

Benzaldehyde

Concen: 2.28 ng

RT: 6.545 min Scan# 758

Delta R.T. 0.212 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

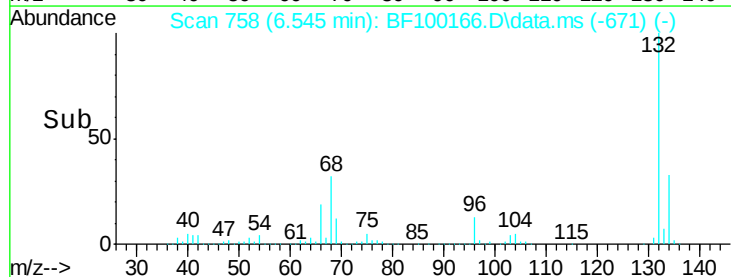
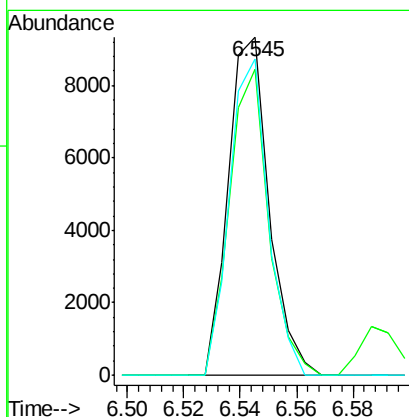
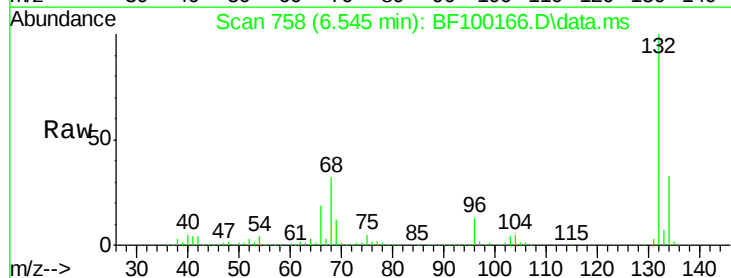
Tgt Ion: 77 Resp: 9410

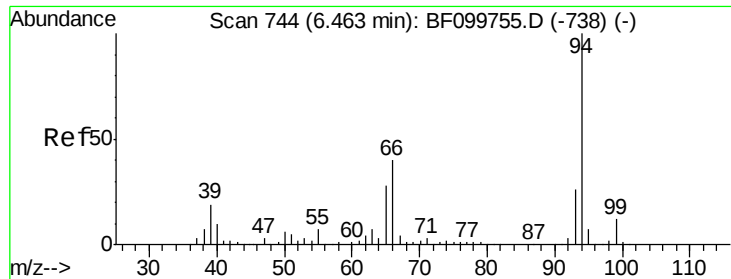
Ion Ratio Lower Upper

77 100

105 90.5 81.1 121.1

106 93.6 74.5 114.5





#10

Phenol

Concen: 4.75 ng

RT: 6.428 min Scan# 73

Delta R.T. -0.012 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Instrument :

BNA_F

ClientSampleId :

COMP-2

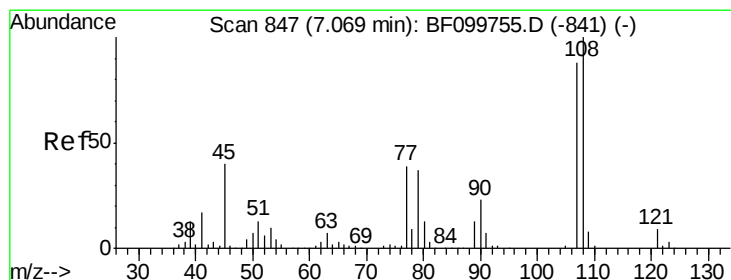
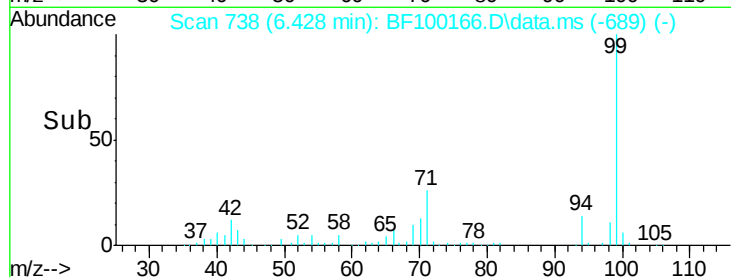
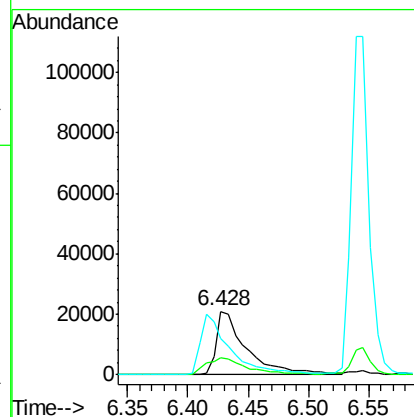
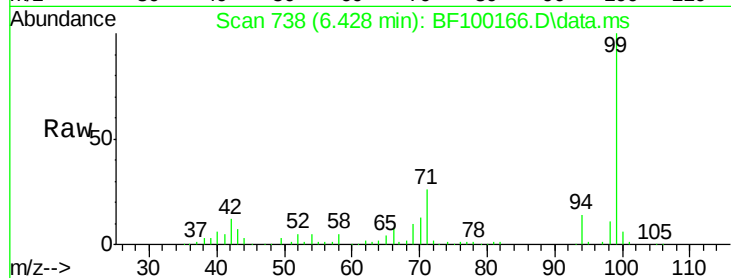
Tot Ion: 94 Resp: 36003

Ion Ratio Lower Upper

94 100

65 27.4 7.9 47.9

66 57.3 16.2 56.2#



#17

2-Methylphenol

Concen: 14.45 ng

RT: 7.210 min Scan# 871

Delta R.T. 0.171 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Tgt Ion: 107 Resp: 75036

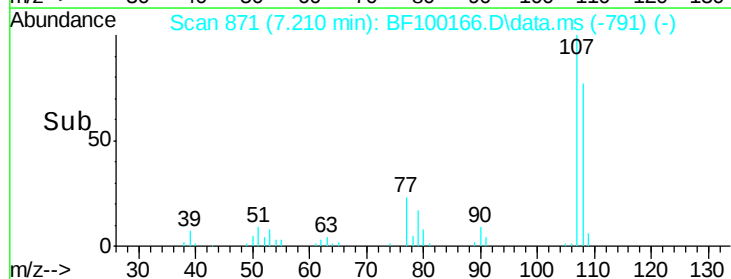
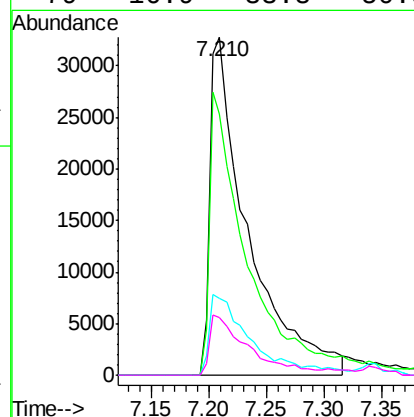
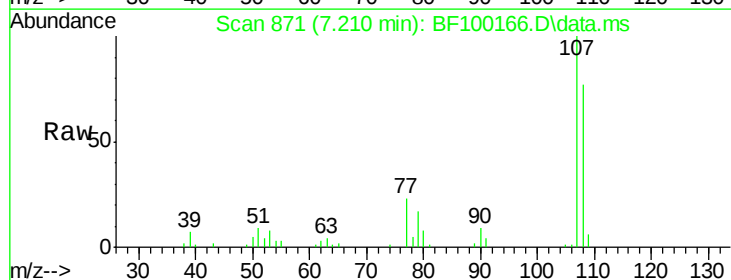
Ion Ratio Lower Upper

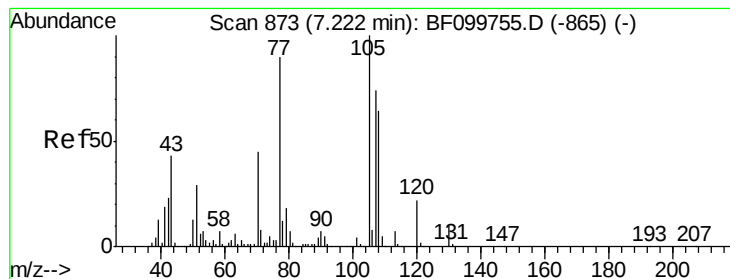
107 100

108 77.5 91.7 137.5#

77 22.8 33.8 50.8#

79 16.9 33.8 50.8#





#19

n-Nitroso-di-n-propylamine

Concen: 11.05 ng

RT: 7.339 min Scan# 89

Delta R.T. 0.147 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tot Ion: 70 Resp: 44736

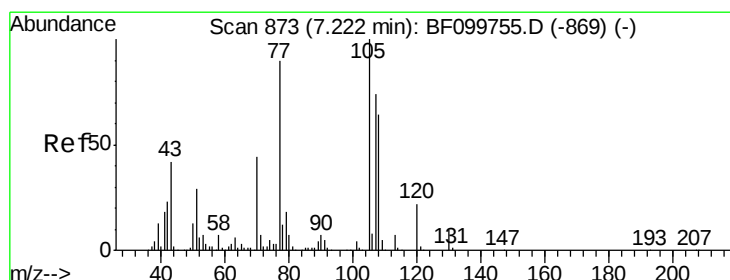
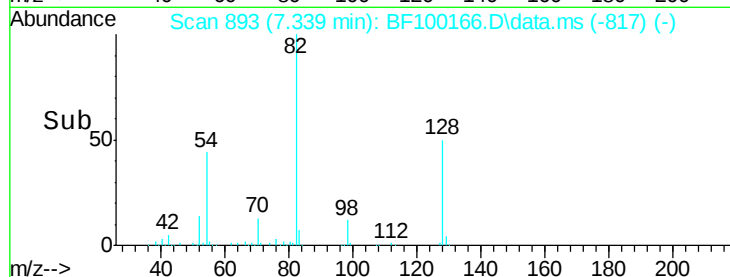
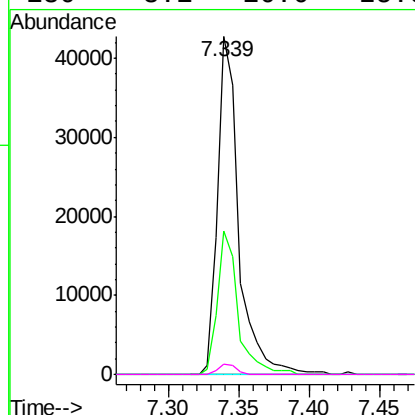
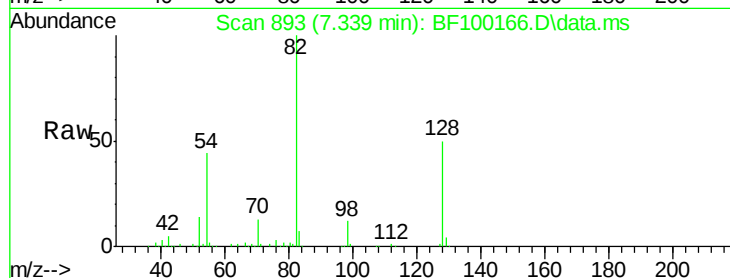
Ion Ratio Lower Upper

70 100

42 42.3 47.5 71.3#

101 0.0 7.4 11.2#

130 3.1 16.6 25.0#



#20

3+4-Methylphenols

Concen: 13.15 ng

RT: 7.210 min Scan# 871

Delta R.T. 0.012 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Tgt Ion: 107 Resp: 79529

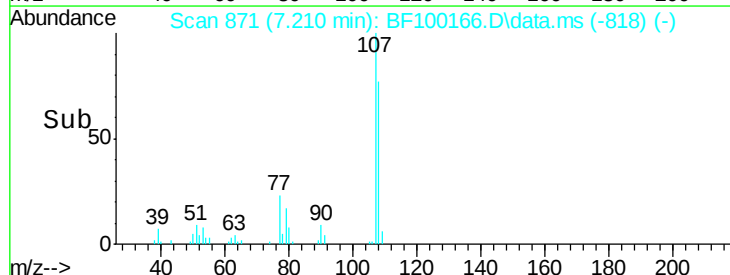
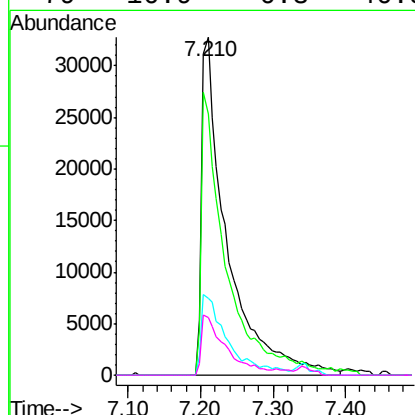
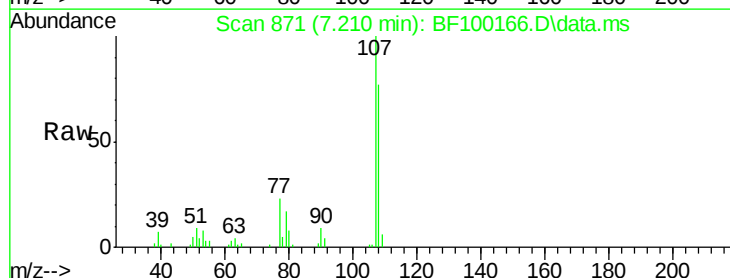
Ion Ratio Lower Upper

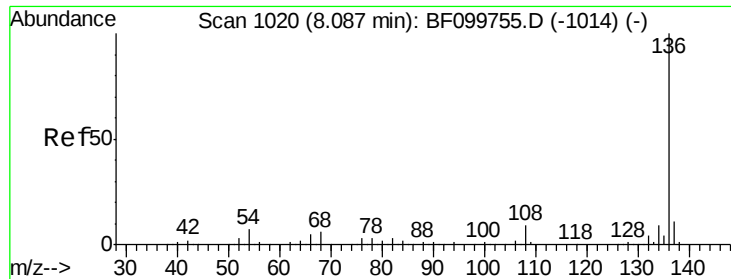
107 100

108 77.5 68.2 108.2

77 22.8 26.7 66.7#

79 16.9 6.3 46.3

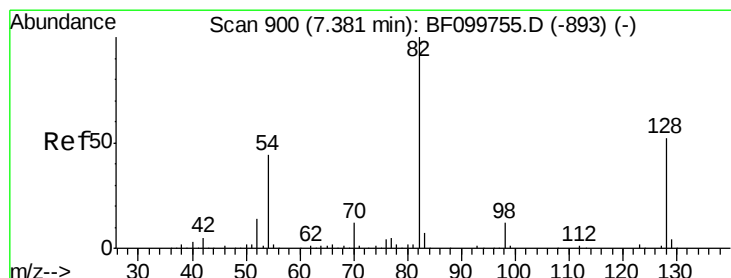
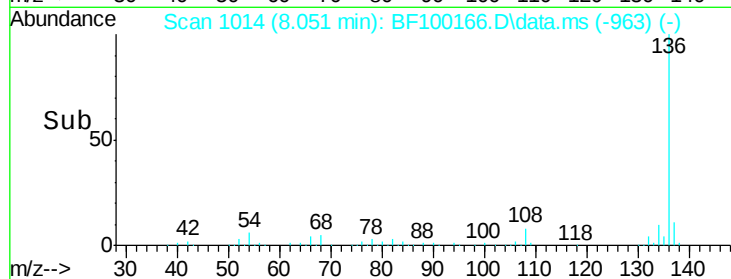
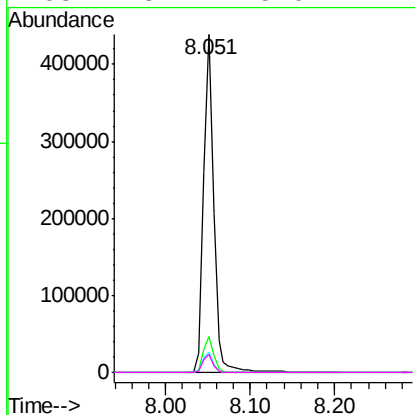
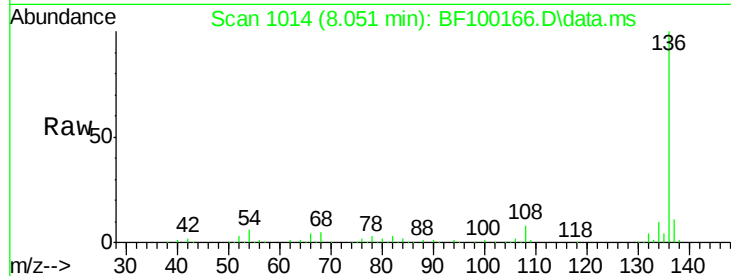




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.051 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

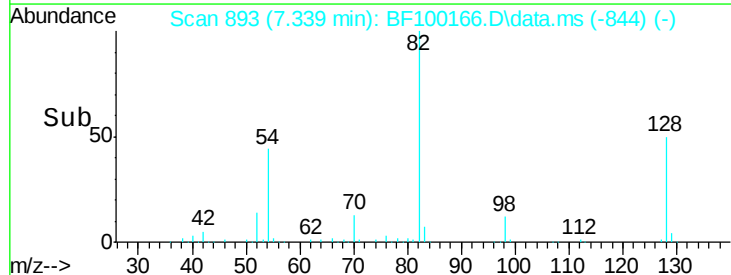
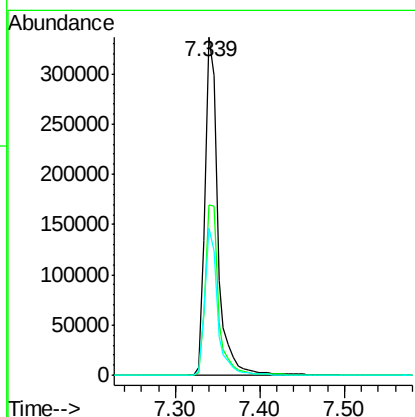
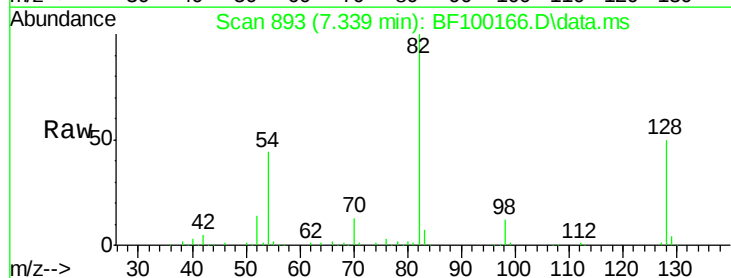
Instrument :
BNA_F
ClientSampleId :
COMP-2

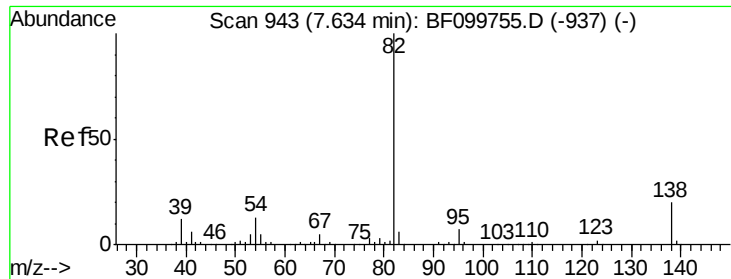
Tot Ion:136 Resp: 362900
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 6.1 6.6 9.8#
68 5.4 5.0 7.4



#23
Nitrobenzene-d5
Concen: 63.21 ng
RT: 7.339 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Tgt Ion: 82 Resp: 356312
Ion Ratio Lower Upper
82 100
128 50.3 36.1 54.1
54 43.7 41.4 62.2





#25

Isophorone

Concen: 34.84 ng

RT: 7.339 min Scan# 89

Delta R.T. -0.259 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Instrument :

BNA_F

ClientSampleId :

COMP-2

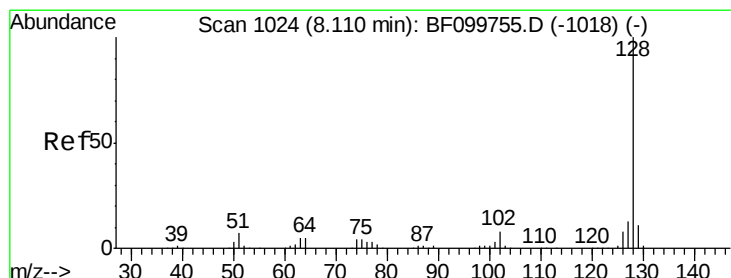
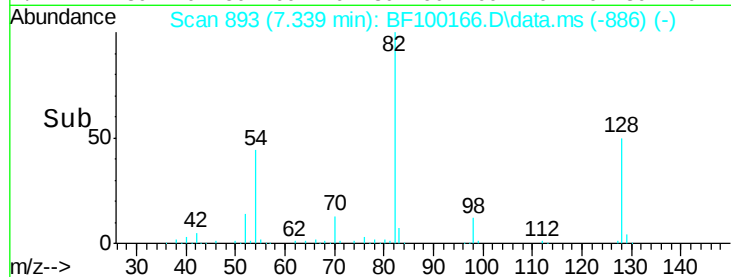
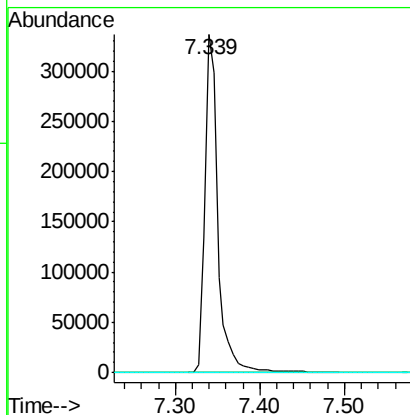
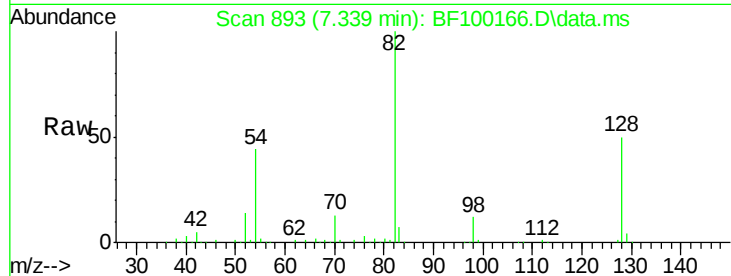
Tot Ion: 82 Resp: 356312

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 11.04 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.000 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

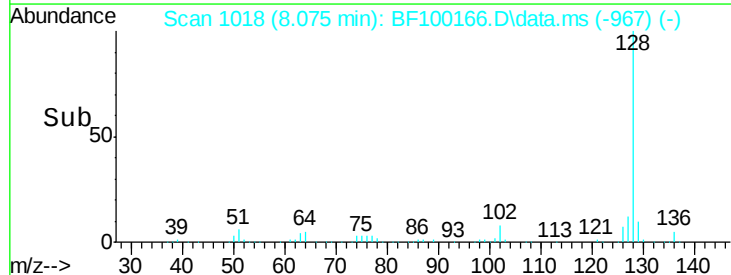
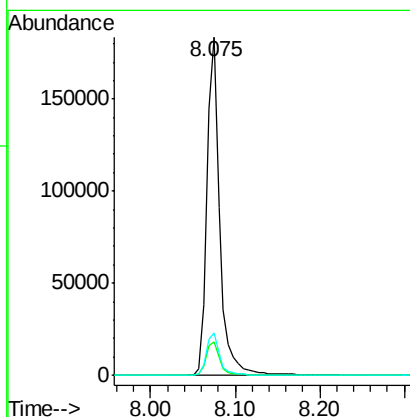
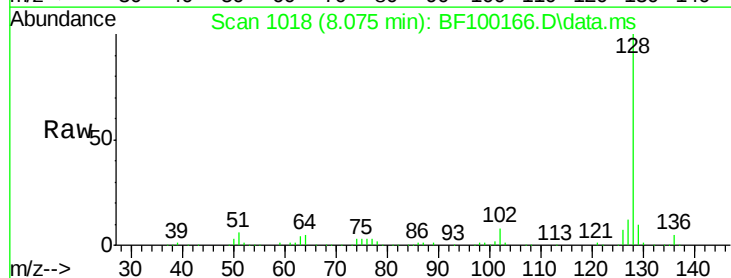
Tgt Ion: 128 Resp: 193411

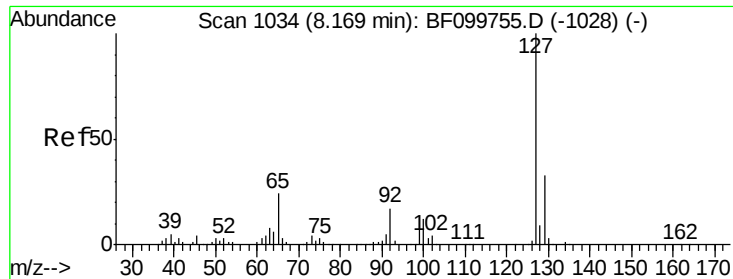
Ion Ratio Lower Upper

128 100

129 9.9 8.8 13.2

127 12.4 10.9 16.3

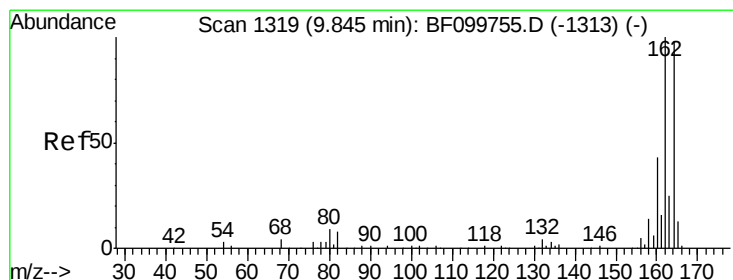
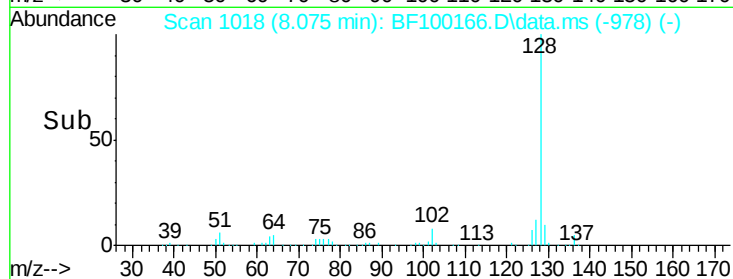
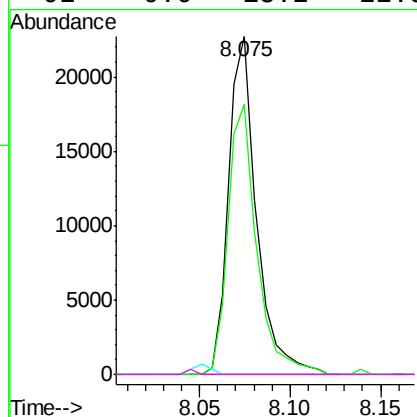
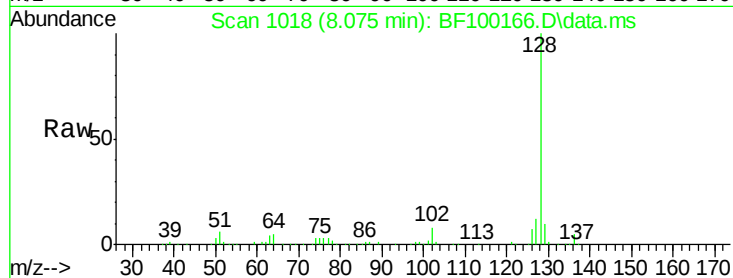




#33
4-Chloroaniline
Concen: 3.38 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.065 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

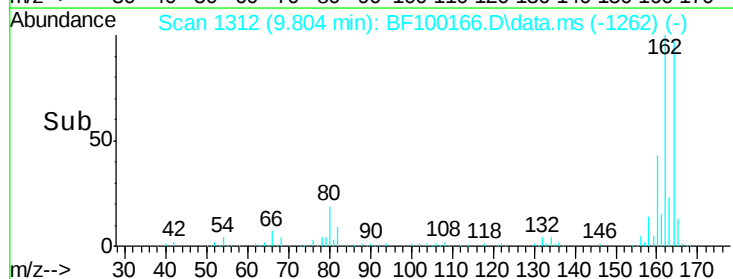
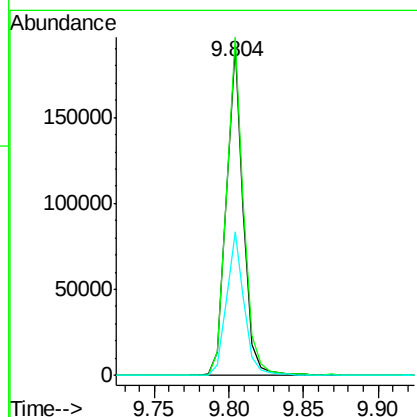
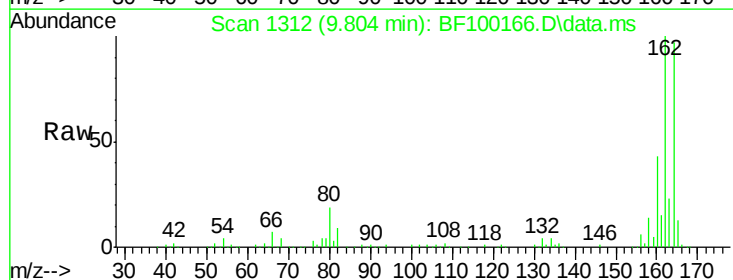
Instrument :
BNA_F
ClientSampleId :
COMP-2

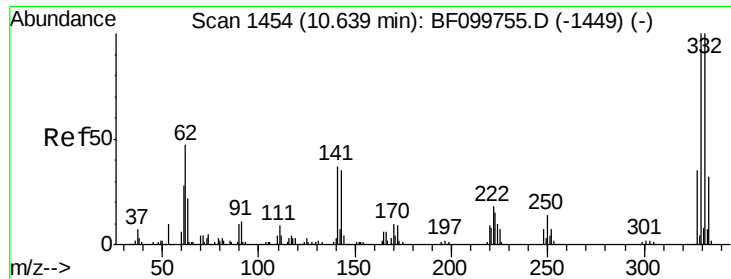
Tot Ion:	127	Resp:	24465
Ion Ratio	Lower	Upper	
127	100		
129	79.9	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Tgt Ion:	164	Resp:	153723
Ion Ratio	Lower	Upper	
164	100		
162	102.8	86.1	129.1
160	43.8	38.3	57.5

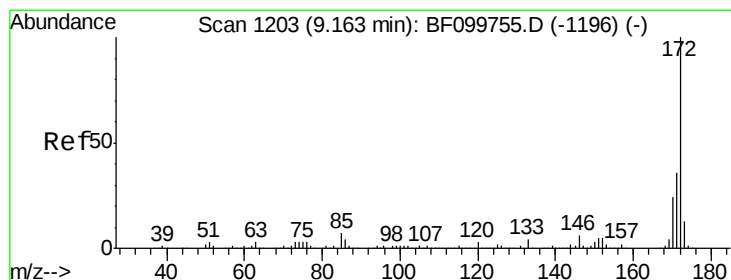
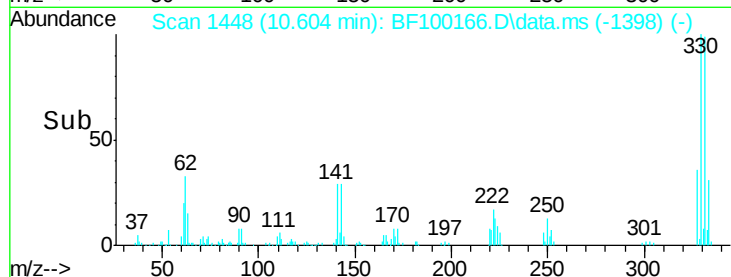
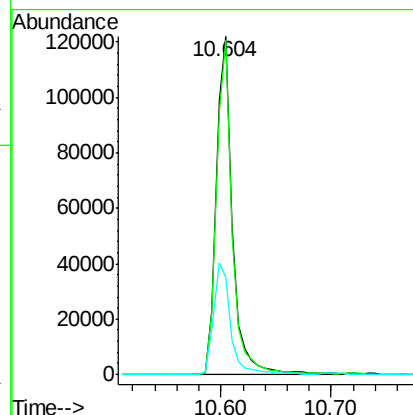
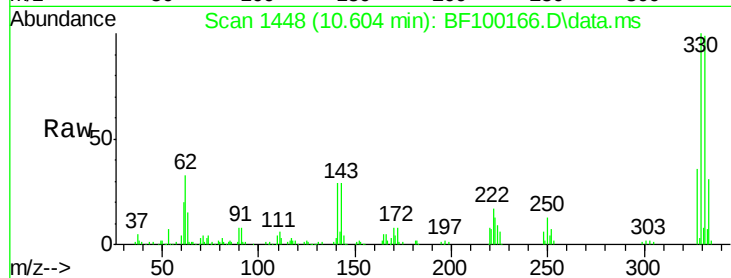




#41
 2,4,6-Tribromophenol
 Concen: 86.62 ng
 RT: 10.604 min Scan# 1448
 Delta R.T. -0.006 min
 Lab File: BF100166.D
 Acq: 4 Nov 2017 6:41

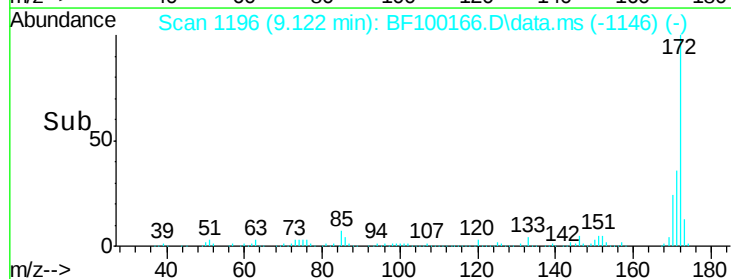
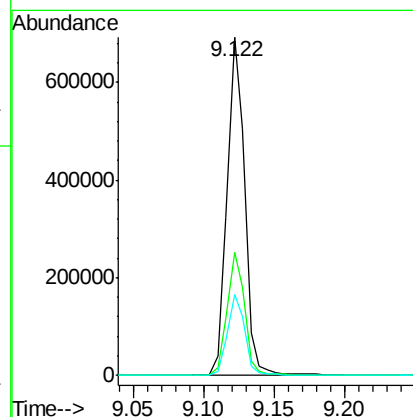
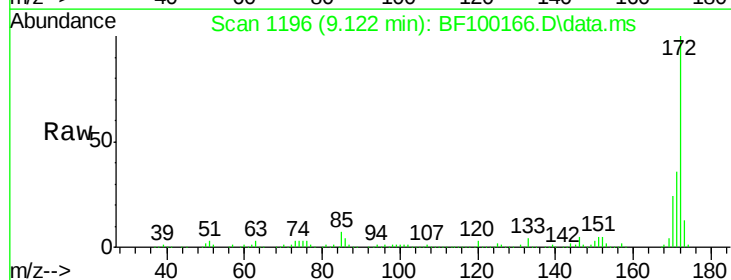
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

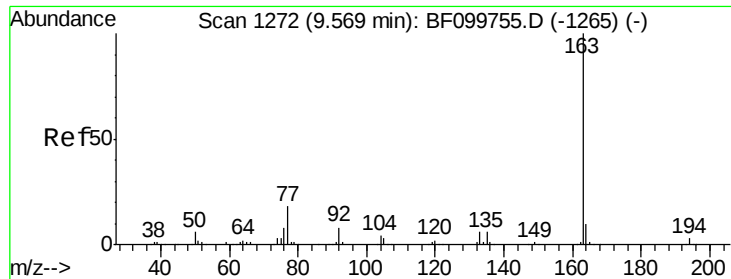
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	34.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 60.36 ng
 RT: 9.122 min Scan# 1196
 Delta R.T. -0.006 min
 Lab File: BF100166.D
 Acq: 4 Nov 2017 6:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.9	19.6	29.4





#49

Dimethylphthalate

Concen: 4.98 ng

RT: 9.522 min Scan# 12

Delta R.T. -0.012 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Instrument :

BNA_F

ClientSampleId :

COMP-2

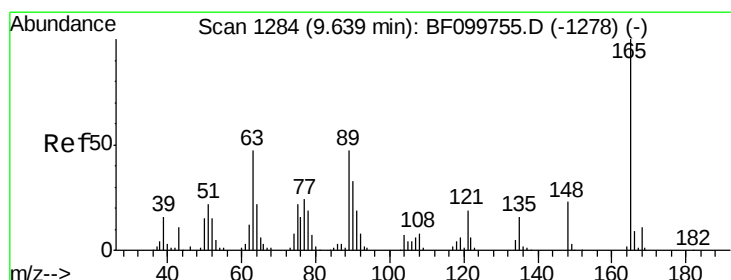
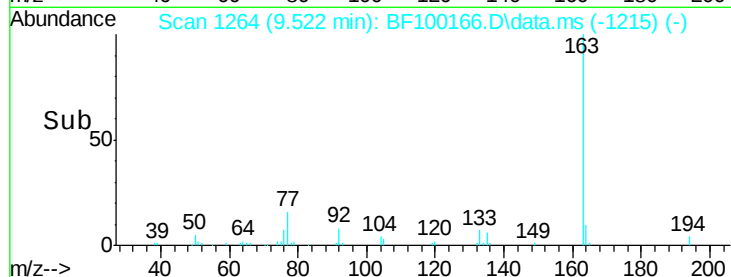
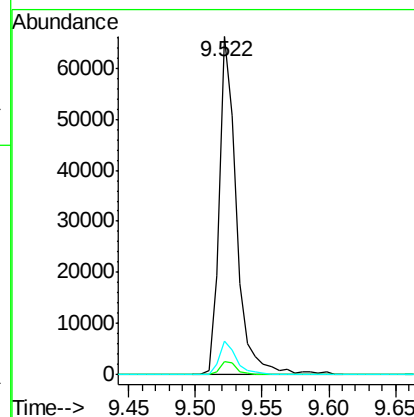
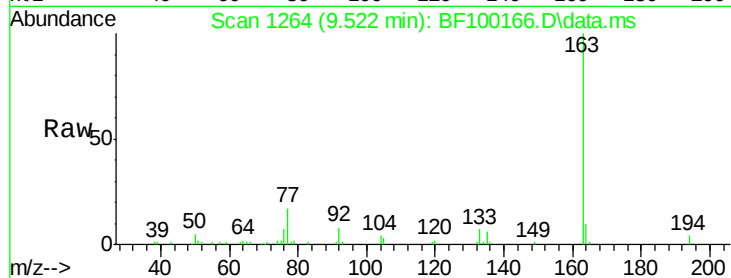
Tot Ion:163 Resp: 60566

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

164 9.9 8.2 12.2



#50

2,6-Dinitrotoluene

Concen: 7.81 ng

RT: 9.804 min Scan# 1312

Delta R.T. 0.188 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

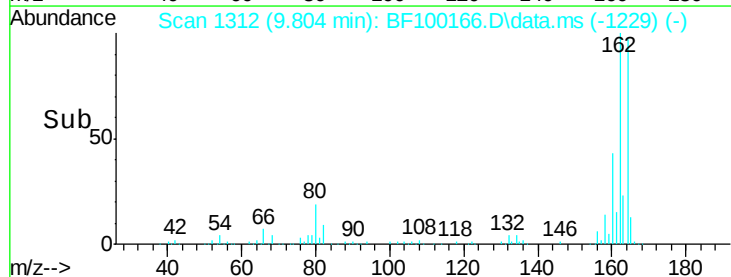
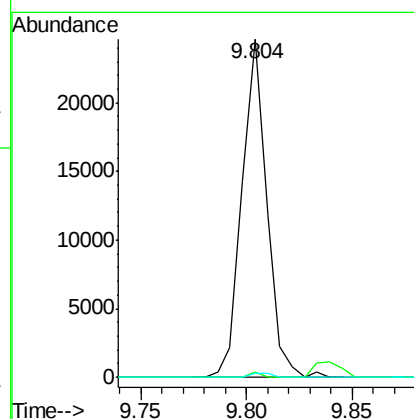
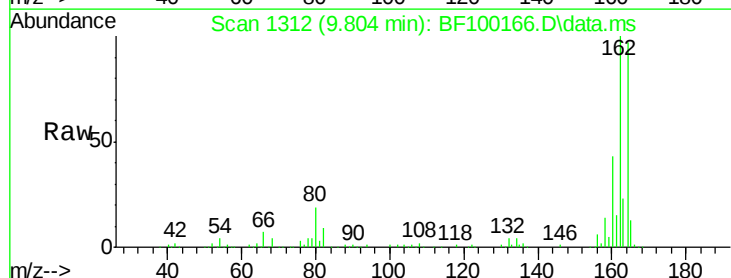
Tgt Ion:165 Resp: 19982

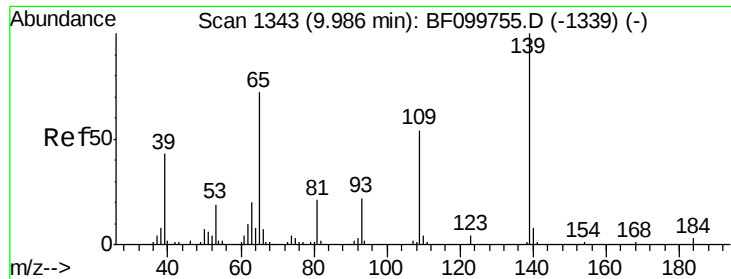
Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

89 1.3 44.0 66.0#





#55

4-Nitrophenol

Concen: 2.53 ng

RT: 10.022 min Scan# 13

Delta R.T. 0.047 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Instrument :

BNA_F

ClientSampleId :

COMP-2

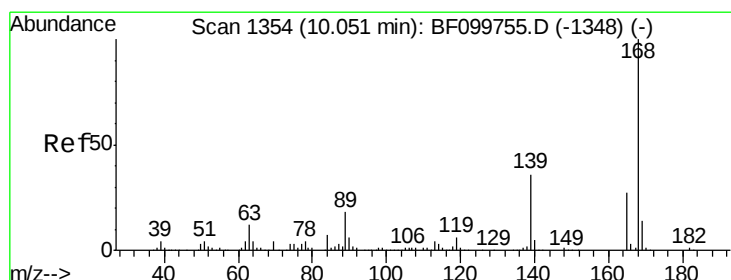
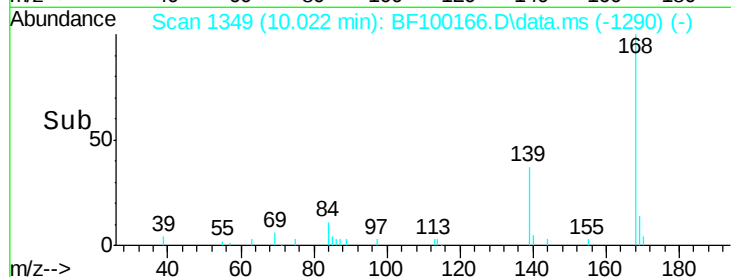
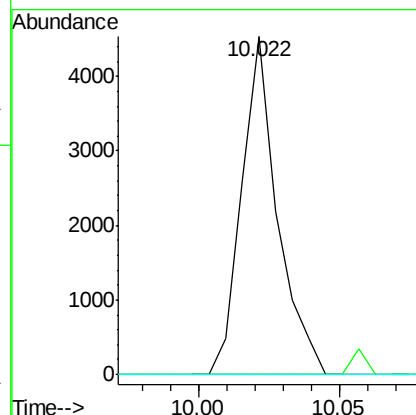
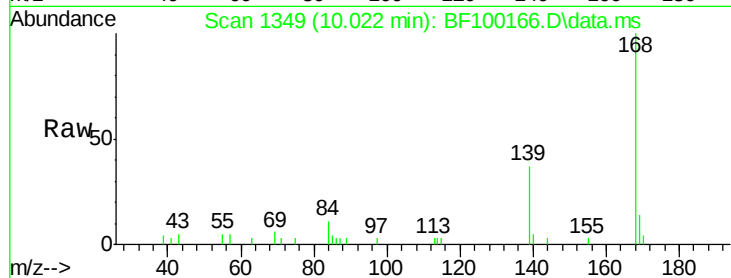
Tot Ion:139 Resp: 3986

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

65 0.0 72.6 112.6#



#56

2,4-Dinitrotoluene

Concen: 6.48 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.224 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Tgt Ion:165 Resp: 19982

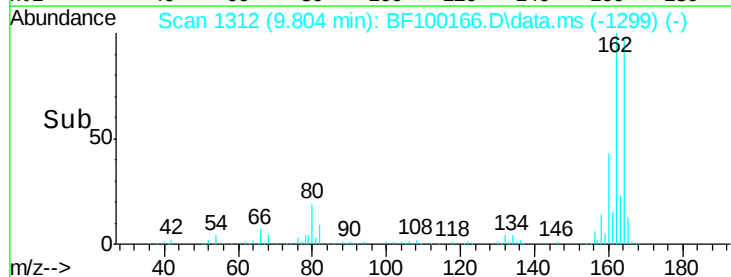
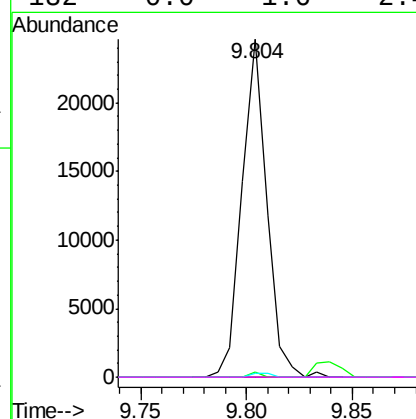
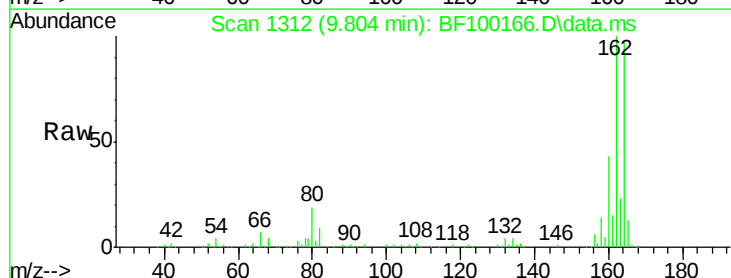
Ion Ratio Lower Upper

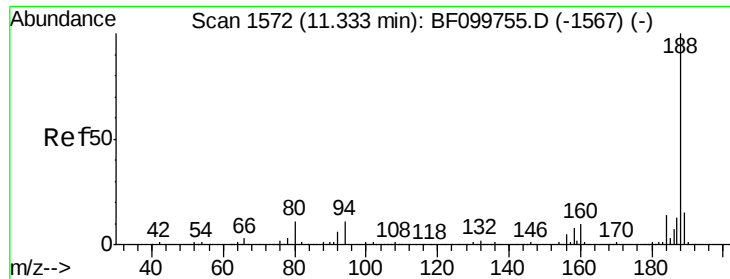
165 100

63 1.5 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

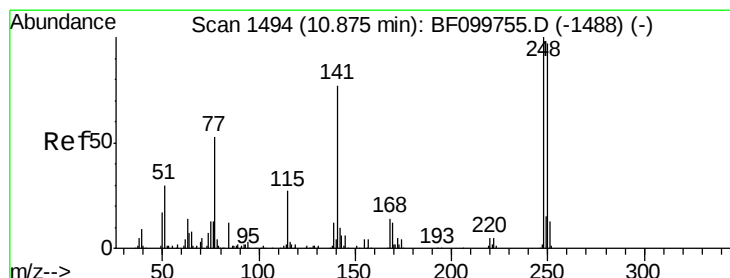
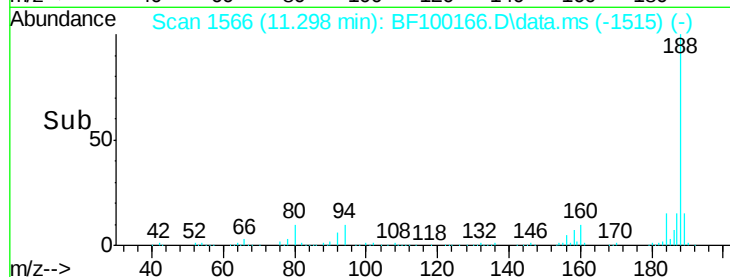
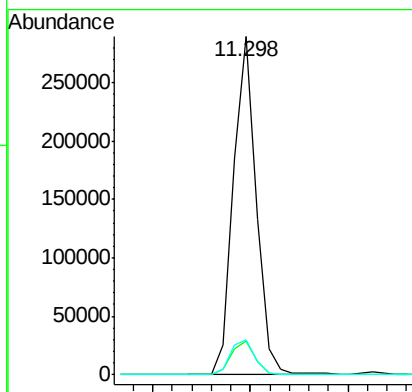
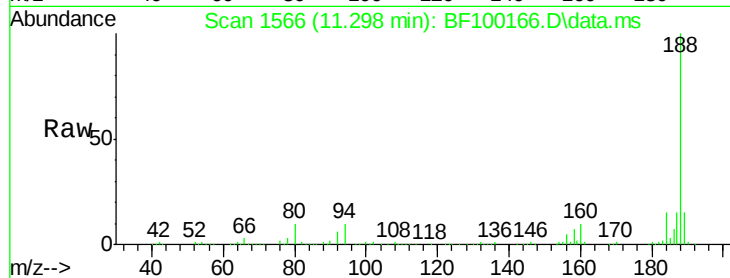




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.298 min Scan# 15
Delta R.T. -0.000 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

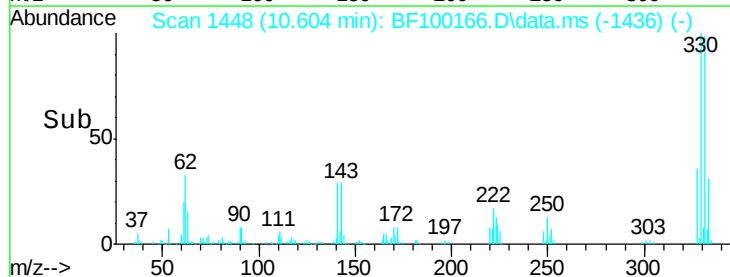
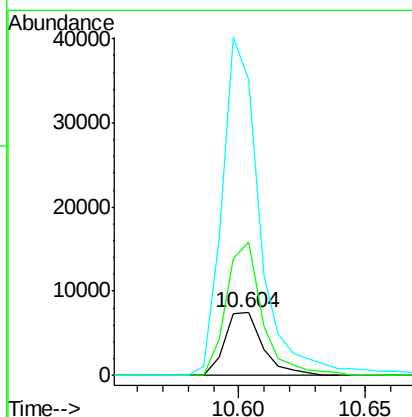
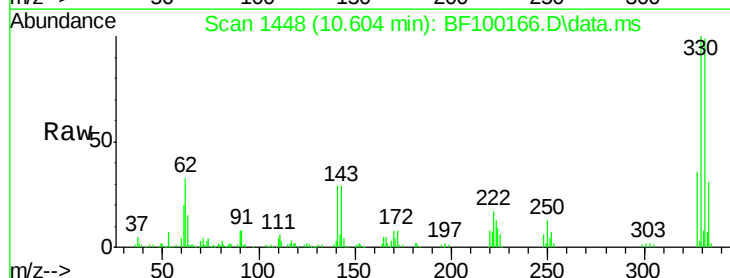
Instrument :
BNA_F
ClientSampleId :
COMP-2

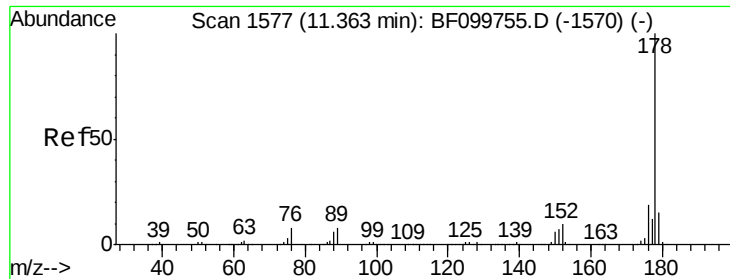
Tot Ion:188 Resp: 234798
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.2 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.15 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.229 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Tgt Ion:248 Resp: 7792
Ion Ratio Lower Upper
248 100
250 213.3 76.9 115.3#
141 474.8 74.4 111.6#





#70

Phenanthrene

Concen: 12.04 ng

RT: 11.321 min Scan# 15

Delta R.T. -0.006 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Instrument :

BNA_F

ClientSampleId :

COMP-2

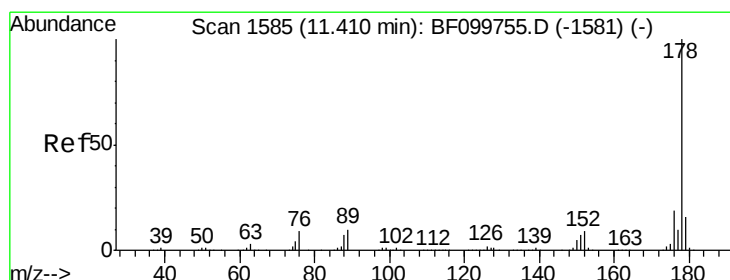
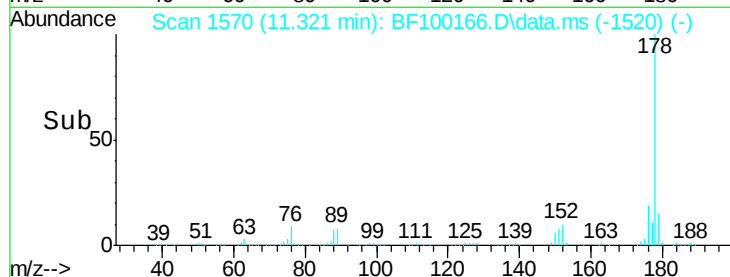
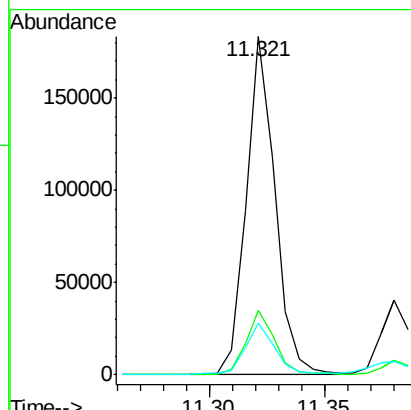
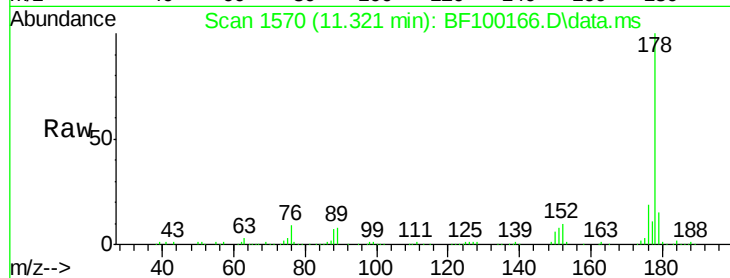
Tot Ion:178 Resp: 159551

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

179 15.2 13.0 19.6



#71

Anthracene

Concen: 2.71 ng

RT: 11.380 min Scan# 1580

Delta R.T. -0.000 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

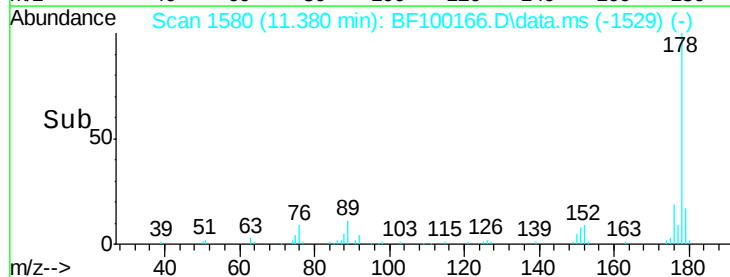
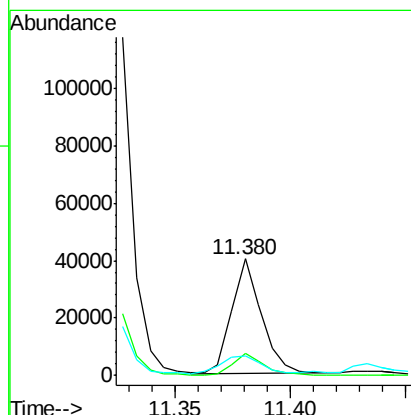
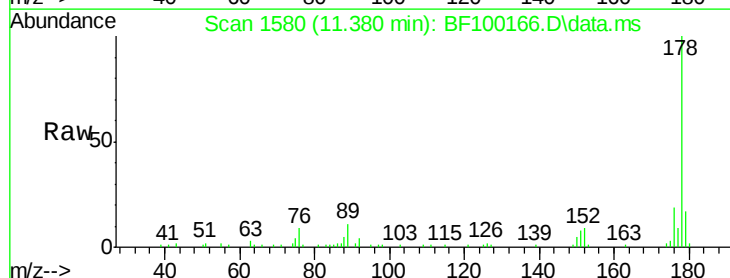
Tgt Ion:178 Resp: 36484

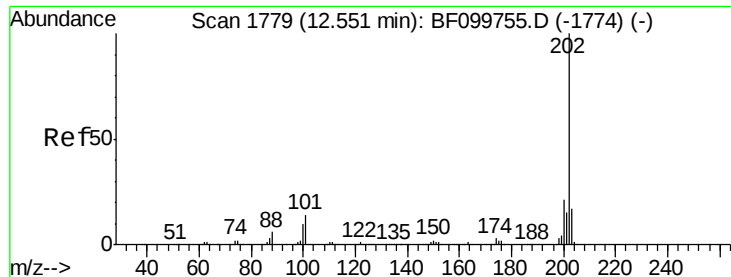
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 16.9 12.6 19.0





#74

Fluoranthene

Concen: 11.82 ng

RT: 12.515 min Scan# 17

Delta R.T. -0.000 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Instrument :

BNA_F

ClientSampleId :

COMP-2

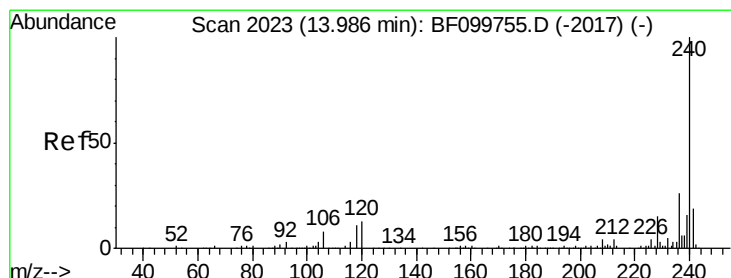
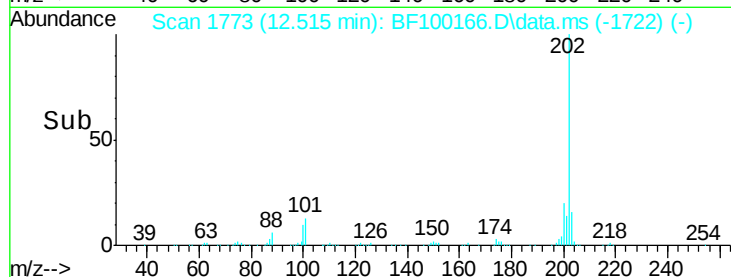
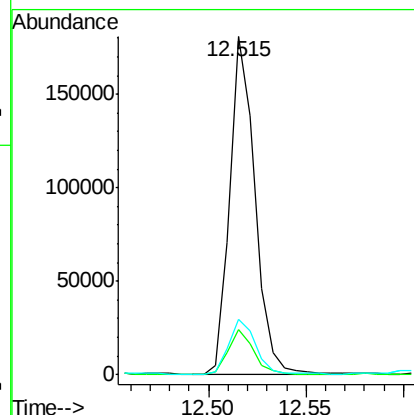
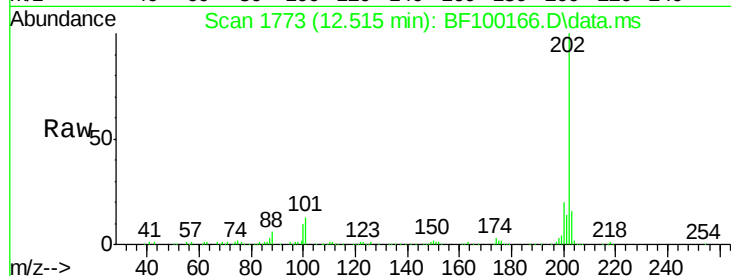
Tot Ion:202 Resp: 162822

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

203 16.4 0.0 38.1



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.951 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

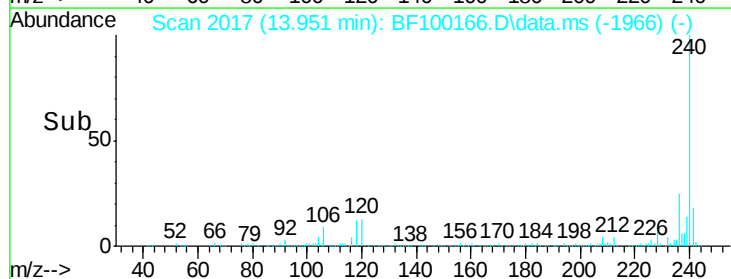
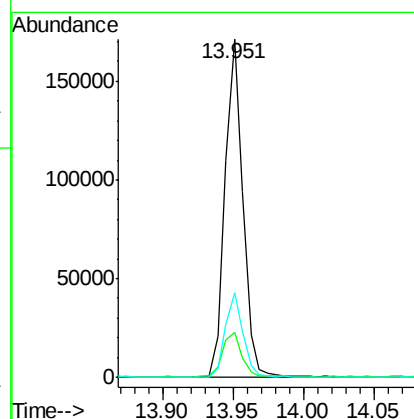
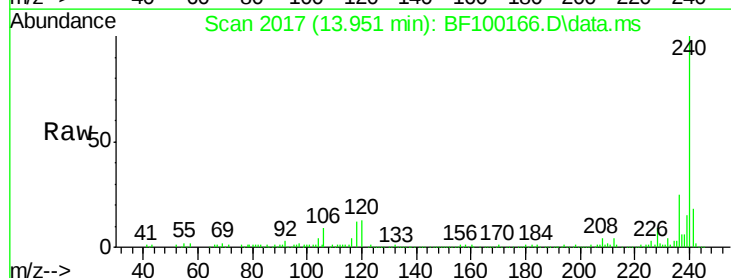
Tgt Ion:240 Resp: 151721

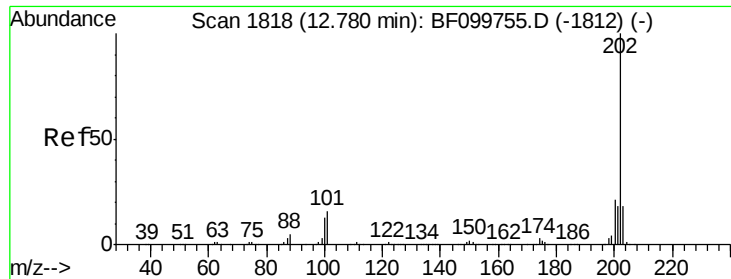
Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

236 25.0 20.7 31.1

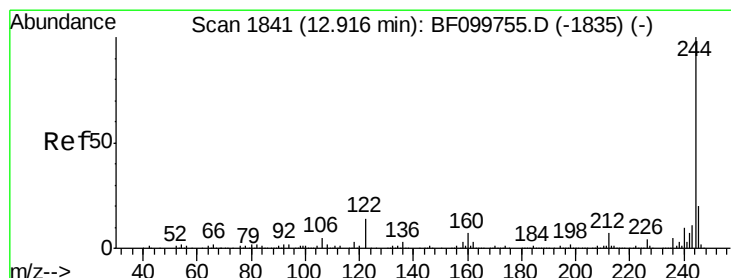
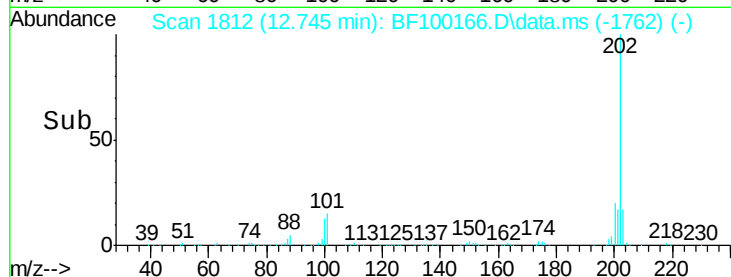
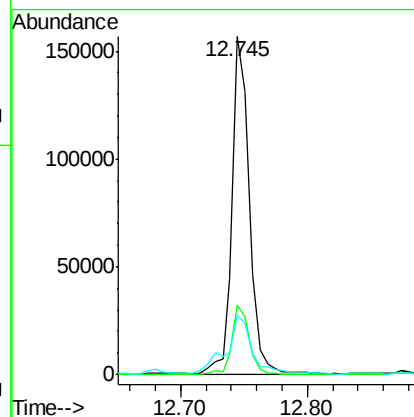
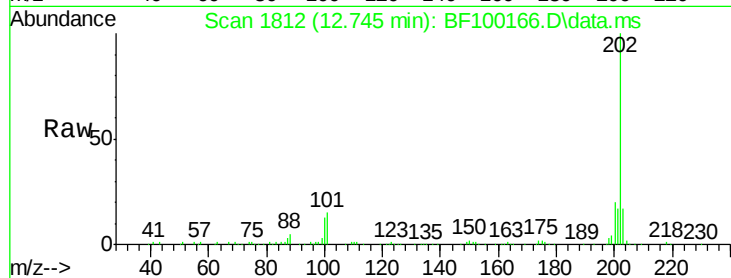




#77
Pvrene
Concen: 12.92 ng
RT: 12.745 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

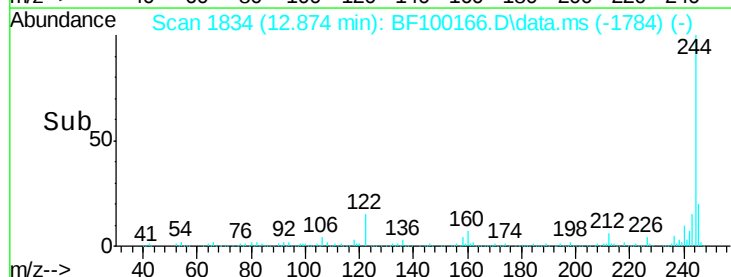
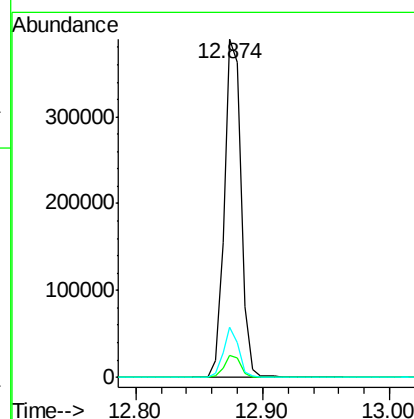
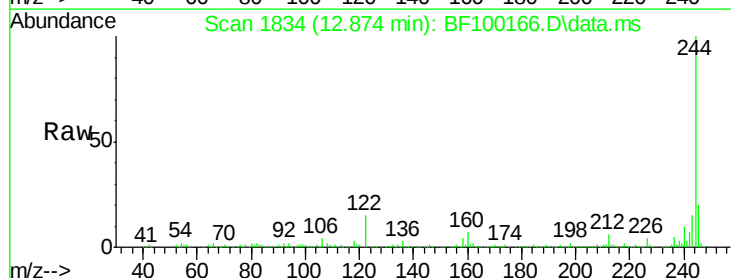
Instrument :
BNA_F
ClientSampleId :
COMP-2

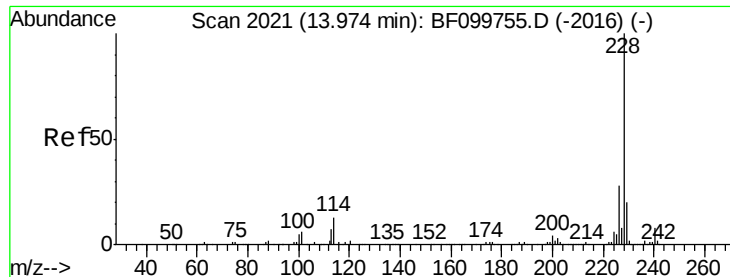
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	17.4	14.3	21.5



#78
Terphenyl-d14
Concen: 52.06 ng
RT: 12.874 min Scan# 1834
Delta R.T. -0.006 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	14.9	11.0	16.4





#80

Benzo(a)anthracene

Concen: 6.25 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Instrument :

BNA_F

ClientSampleId :

COMP-2

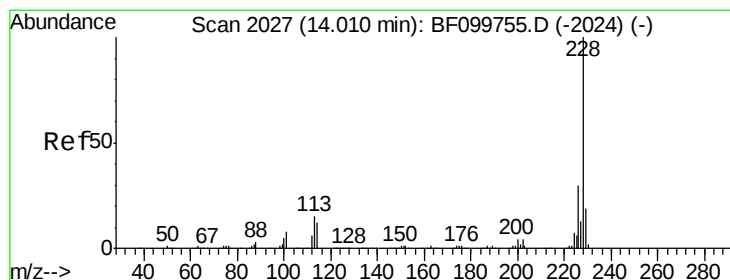
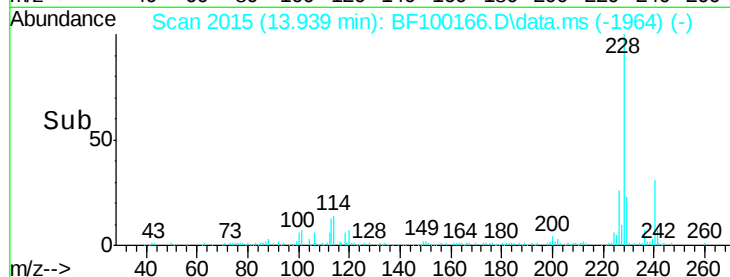
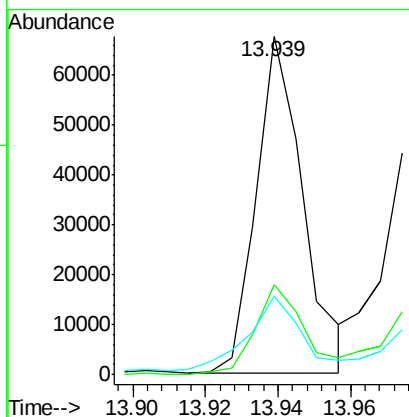
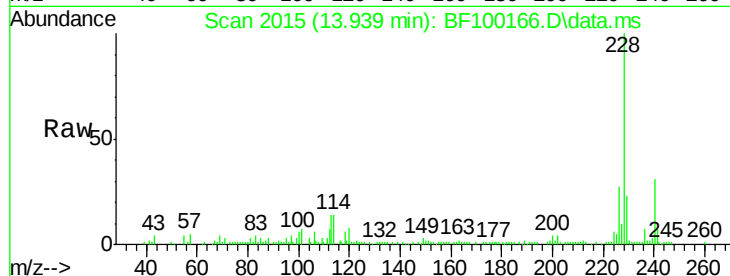
Tot Ion:228 Resp: 60124

Ion Ratio Lower Upper

228 100

226 26.5 22.6 33.8

229 23.2 15.8 23.6



#82

Chrysene

Concen: 6.23 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

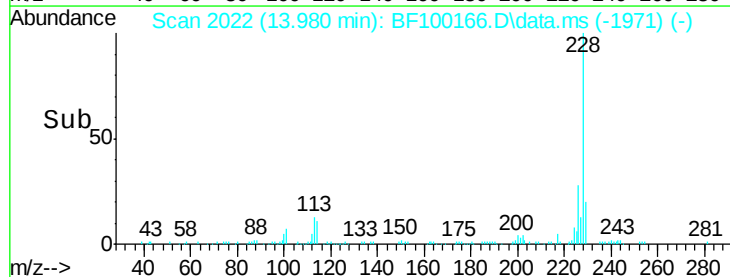
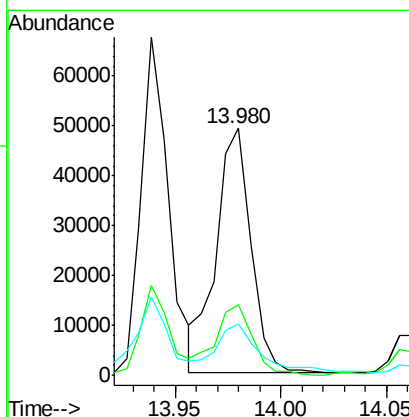
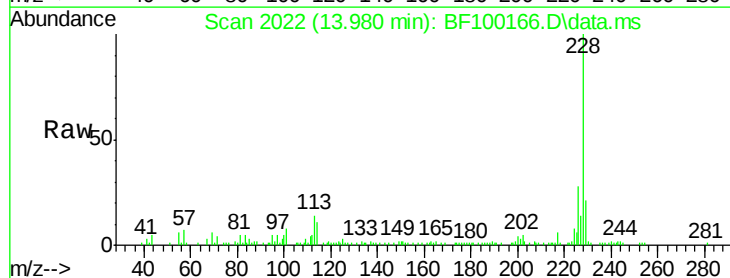
Tgt Ion:228 Resp: 56334

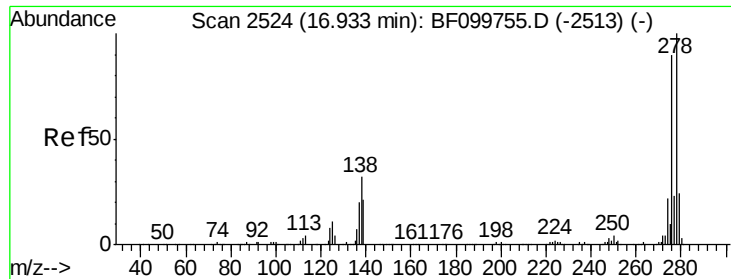
Ion Ratio Lower Upper

228 100

226 28.5 25.0 37.6

229 20.7 16.2 24.4

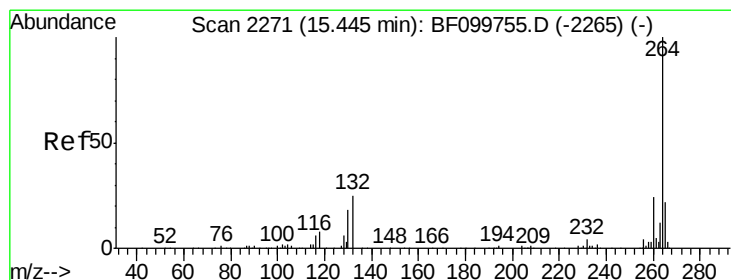
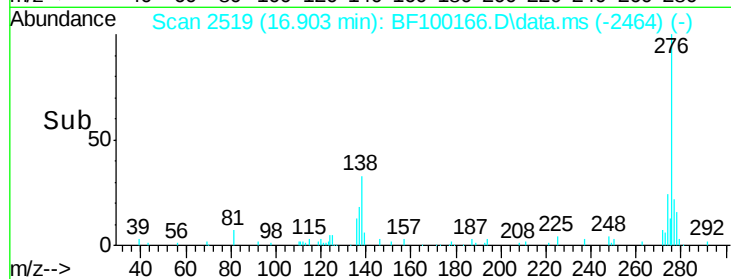
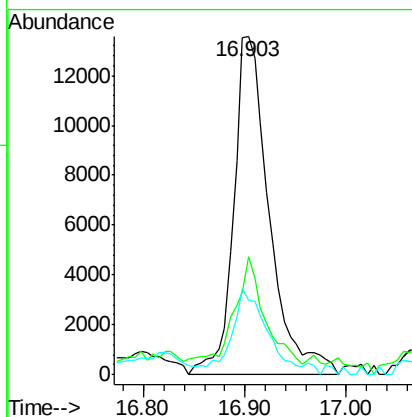
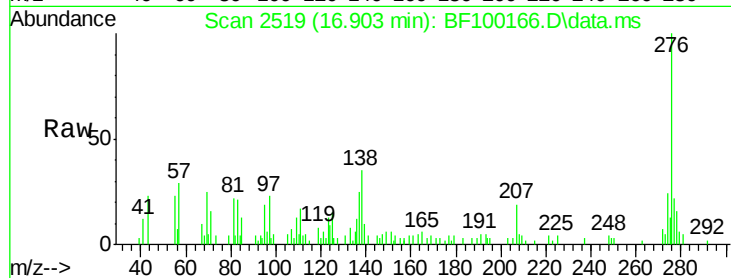




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.98 ng
RT: 16.903 min Scan# 2519
Delta R.T. 0.023 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

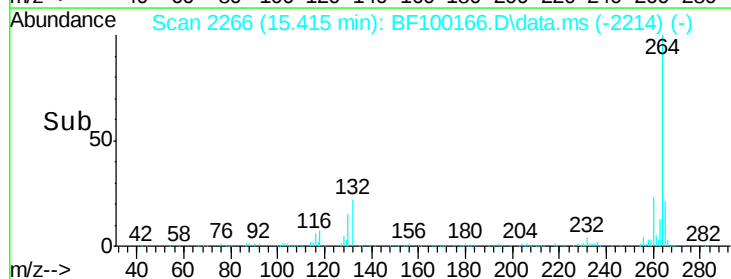
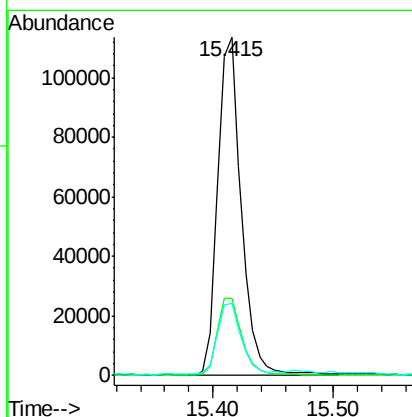
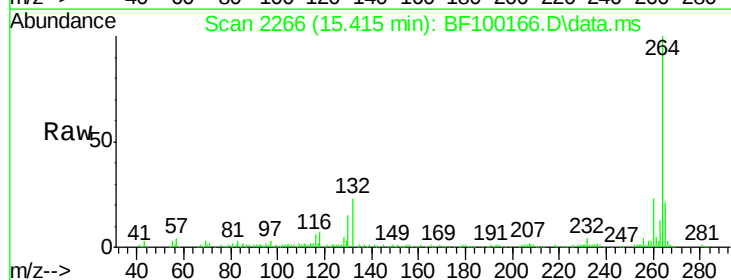
Instrument :
BNA_F
ClientSampleId :
COMP-2

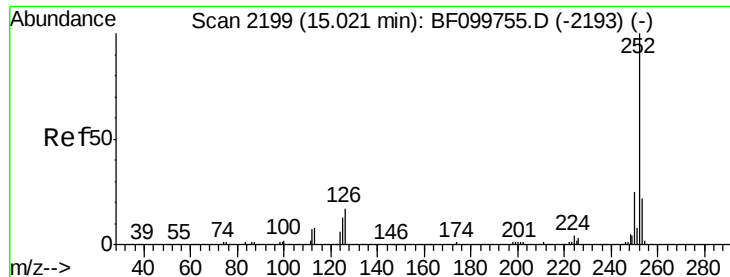
Tot Ion:276 Resp: 33073
Ion Ratio Lower Upper
276 100
138 26.2 25.0 37.6
277 25.6 20.1 30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF100166.D
Acq: 4 Nov 2017 6:41

Tgt Ion:264 Resp: 152537
Ion Ratio Lower Upper
264 100
260 22.7 19.2 28.8
265 21.1 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 10.25 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Instrument :

BNA_F

ClientSampleId :

COMP-2

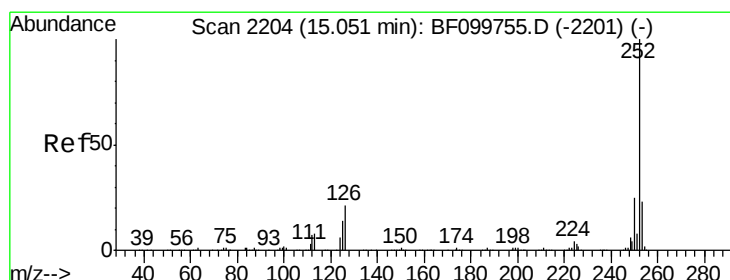
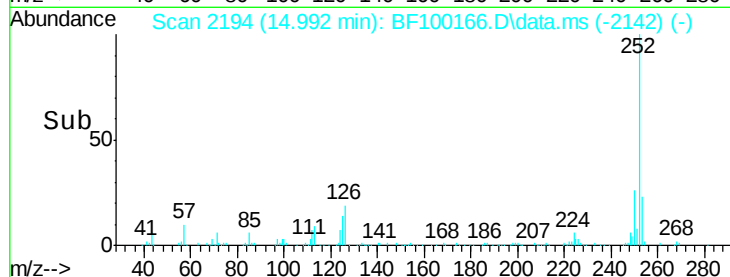
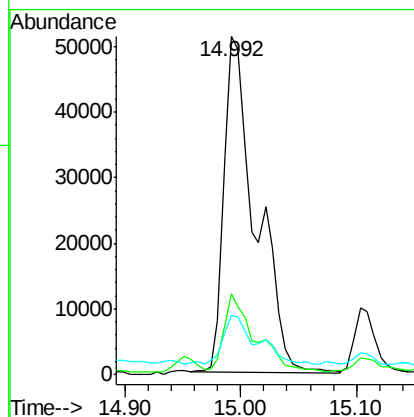
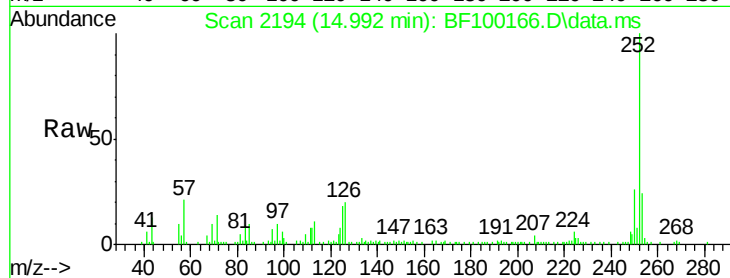
Tot Ion:252 Resp: 98756

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.6

125 17.5 9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 10.87 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.024 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

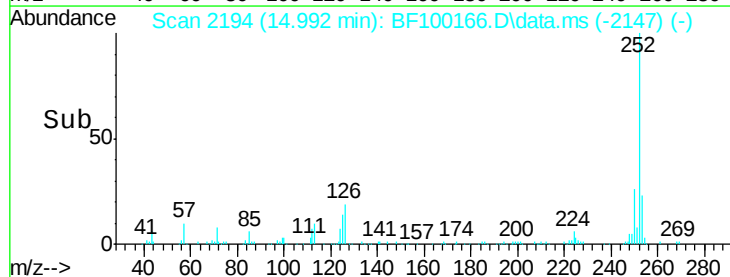
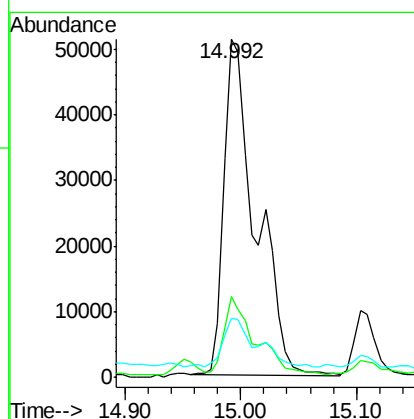
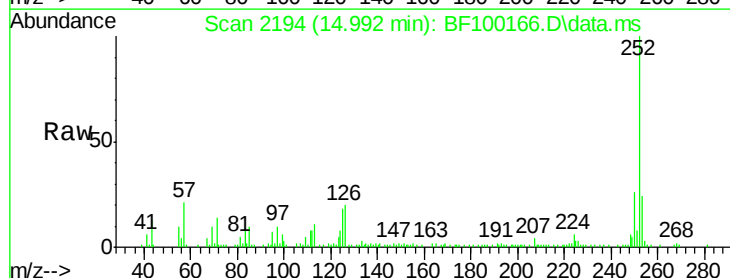
Tgt Ion:252 Resp: 98756

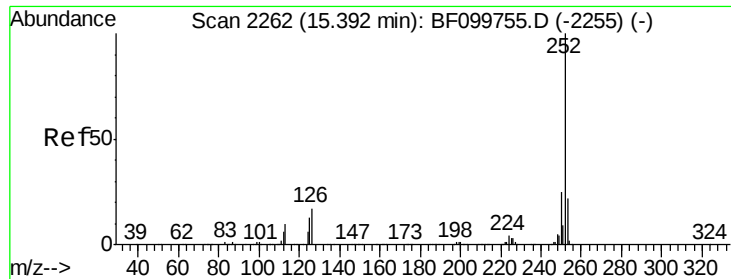
Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

125 17.5 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 7.20 ng

RT: 15.356 min Scan# 22

Delta R.T. 0.006 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Instrument :

BNA_F

ClientSampleId :

COMP-2

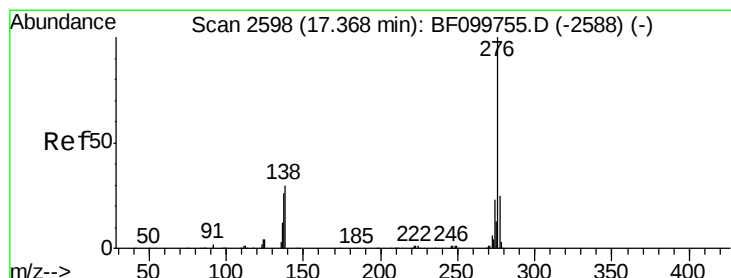
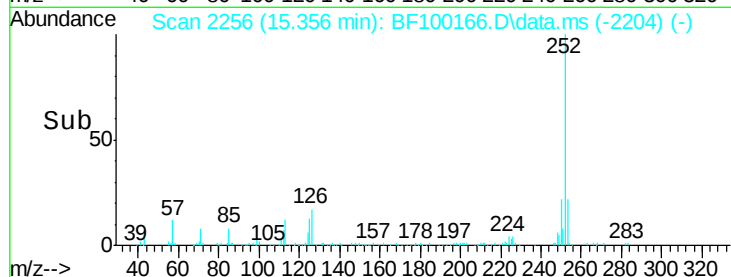
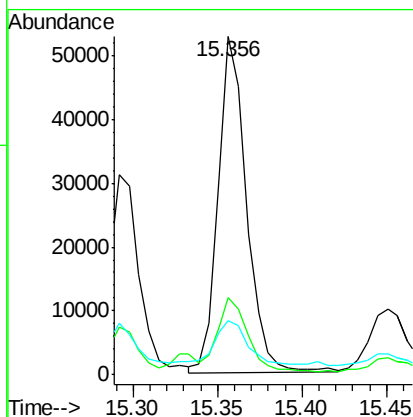
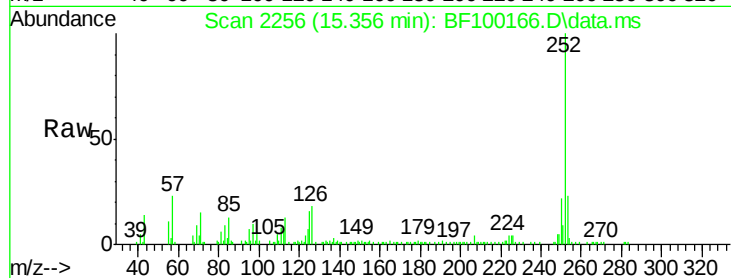
Tot Ion:252 Resp: 62281

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 16.1 9.8 14.6#



#91

Benzo(g,h,i)perylene

Concen: 3.98 ng

RT: 17.350 min Scan# 2595

Delta R.T. 0.029 min

Lab File: BF100166.D

Acq: 4 Nov 2017 6:41

Tgt Ion:276 Resp: 29950

Ion Ratio Lower Upper

276 100

277 22.7 17.9 26.9

138 30.0 21.8 32.8

