

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099992.D
 Acq On : 31 Oct 2017 6:18
 Operator : SJ/JU
 Sample : I6202-01
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 06:45:21 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	83431	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	337424	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	156224	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	263458	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	168955	20.00	ng	-0.02
86) Perylene-d12	15.46	264	155592	20.00	ng	0.00

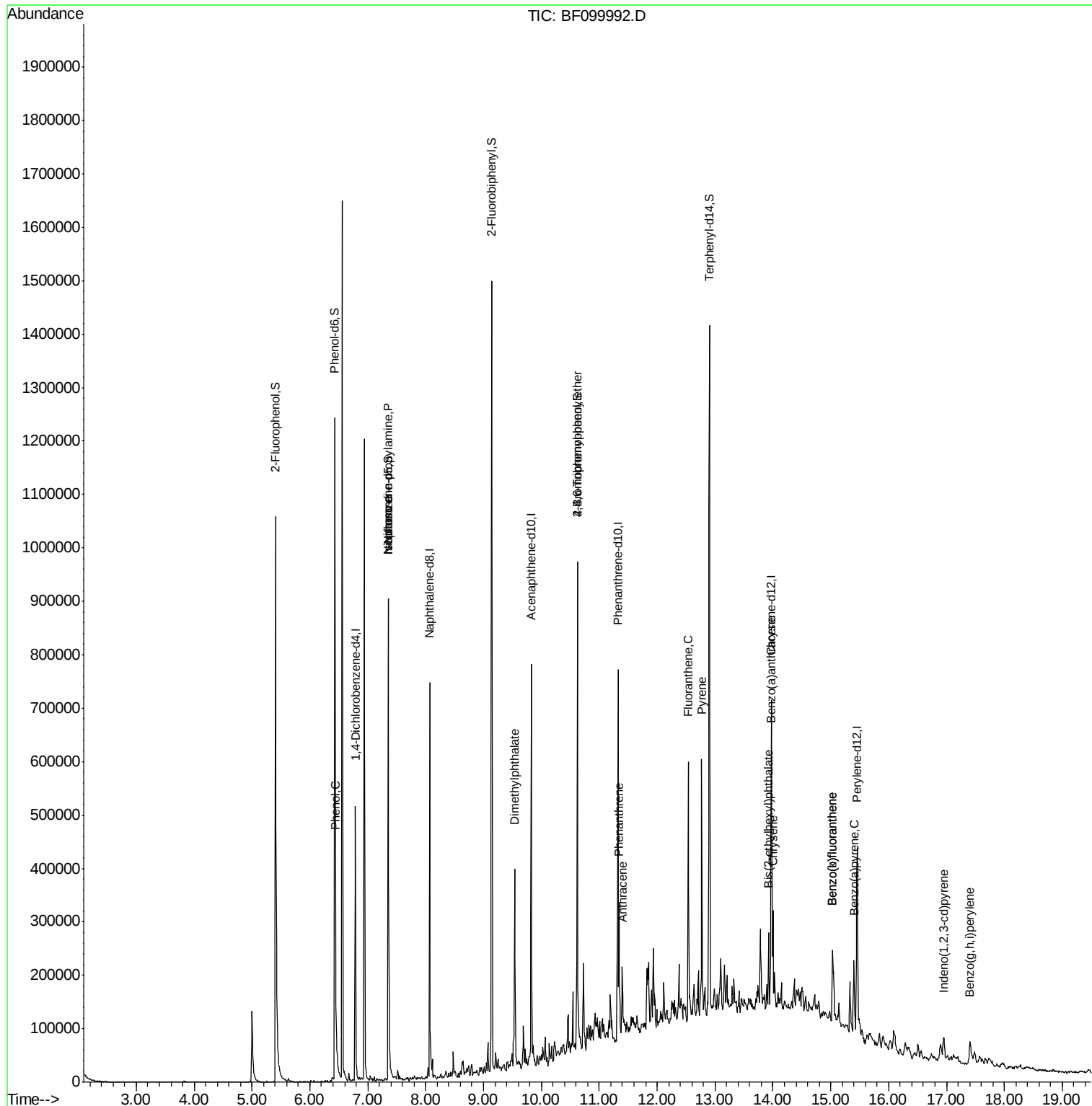
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	463232	87.17	ng	0.00
7) Phenol-d6	6.43	99	558616	88.65	ng	-0.01
23) Nitrobenzene-d5	7.36	82	305135	58.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	117231	82.34	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	468828	46.30	ng	-0.02
78) Terphenyl-d14	12.90	244	401275	51.90	ng	-0.02

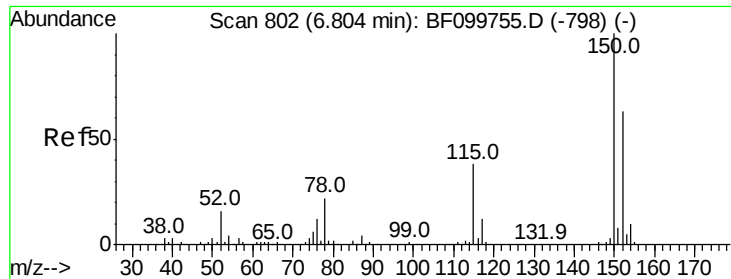
Target Compounds				Qvalue		
10) Phenol	6.45	94	34070	4.925	ng	95
19) n-Nitroso-di-n-propylamine	7.36	70	39468	10.688	ng	# 70
25) Isophorone	7.36	82	305135	32.085	ng	# 64
49) Dimethylphthalate	9.54	163	139699	11.292	ng	100
66) 4-Bromophenyl-phenylether	10.62	248	7334	2.644	ng	# 1
70) Phenanthrene	11.34	178	95414	6.417	ng	98
71) Anthracene	11.40	178	53049	3.515	ng	96
74) Fluoranthene	12.54	202	185527	12.007	ng	97
77) Pyrene	12.77	202	184665	14.374	ng	99
80) Benzo(a)anthracene	13.96	228	77770	7.261	ng	97
82) Chrysene	14.00	228	69781	6.930	ng	98
83) Bis(2-ethylhexyl)phthalate	13.93	149	41706	4.694	ng	98
85) Indeno(1,2,3-cd)pyrene	16.96	276	29510	3.192	ng	94
87) Benzo(b)fluoranthene	15.03	252	96250	9.797	ng	# 94
88) Benzo(k)fluoranthene	15.03	252	96250	10.389	ng	# 97
89) Benzo(a)pyrene	15.40	252	62656	7.099	ng	# 94
91) Benzo(a,h,i)perylene	17.40	276	30882	4.025	ng	# 91

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

```
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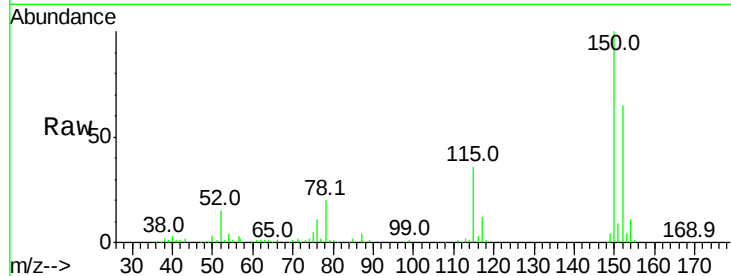


#1

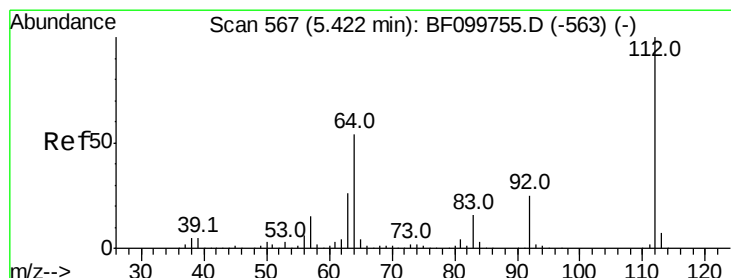
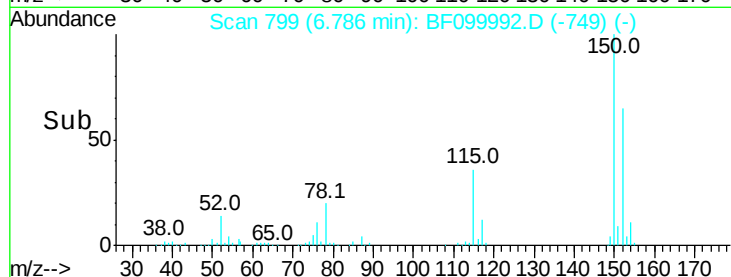
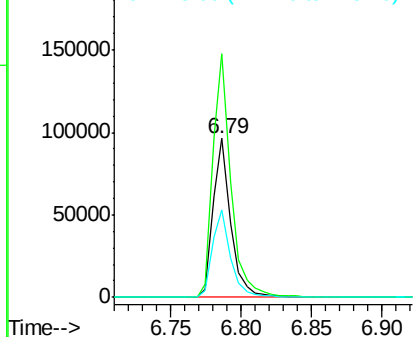
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099992.D
Acq: 31 Oct 2017 6:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 83431
Ion Ratio Lower Upper
152 100
150 153.2 124.6 186.8
115 54.9 50.1 75.1



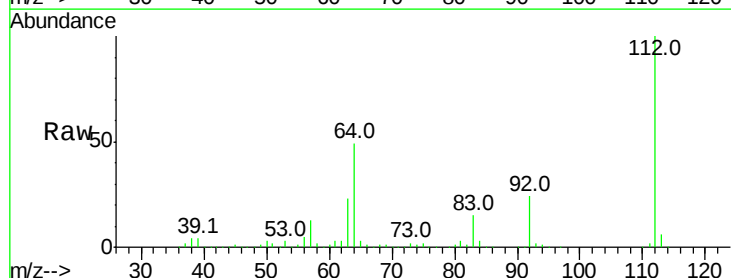
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



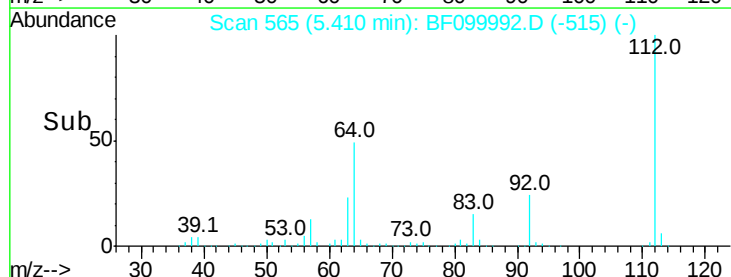
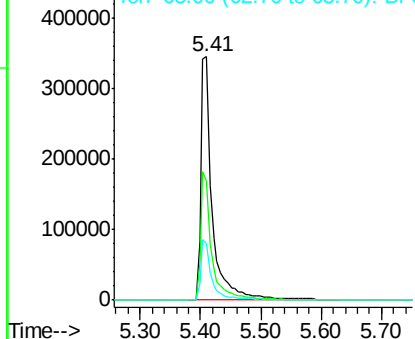
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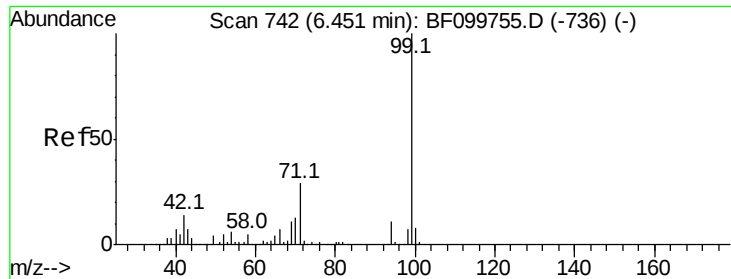
2-Fluorophenol
Concen: 87.169 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF099992.D
Acq: 31 Oct 2017 6:18

Tgt Ion:112 Resp: 463232
Ion Ratio Lower Upper
112 100
64 48.9 47.9 71.9
63 23.3 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: 88.653 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF099992.D

Acq: 31 Oct 2017 6:18

Instrument :

BNA_F

ClientSampleId :

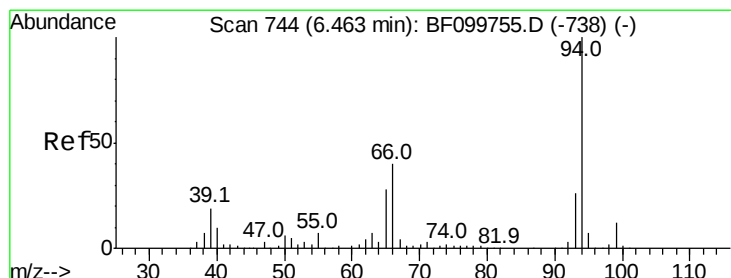
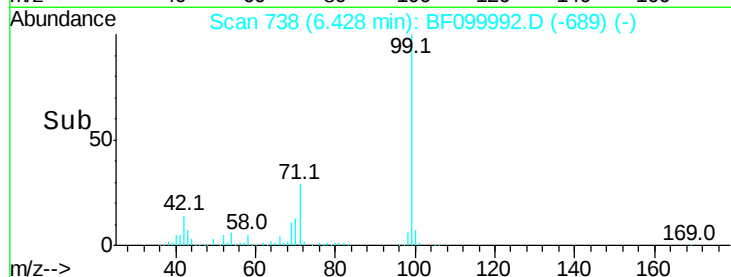
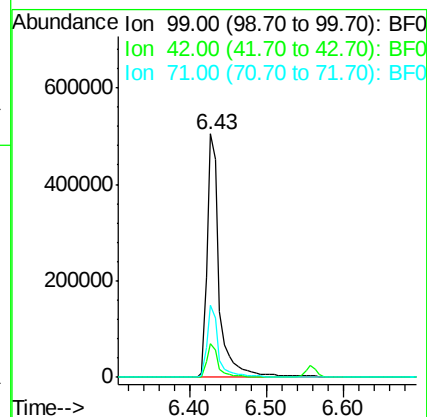
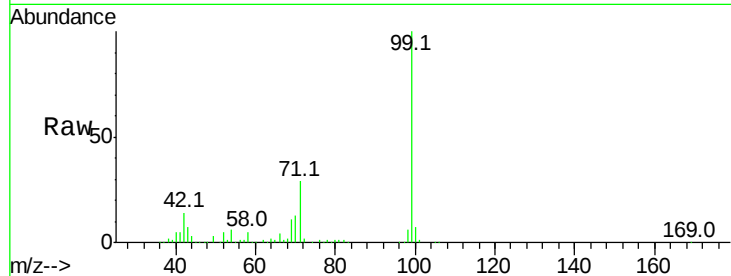
Tot Ion: 99 Resp: 558616

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

71 29.4 25.4 38.0



#10

Phenol

Concen: 4.925 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099992.D

Acq: 31 Oct 2017 6:18

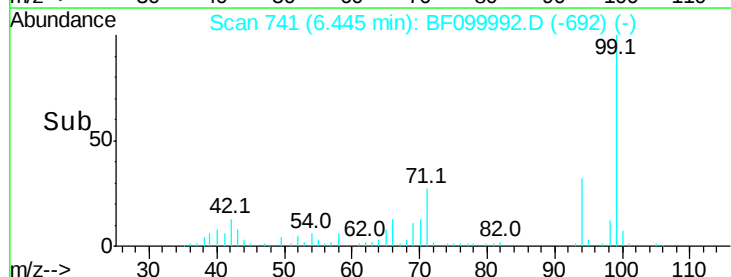
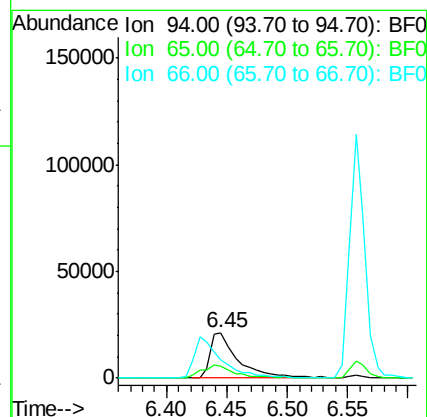
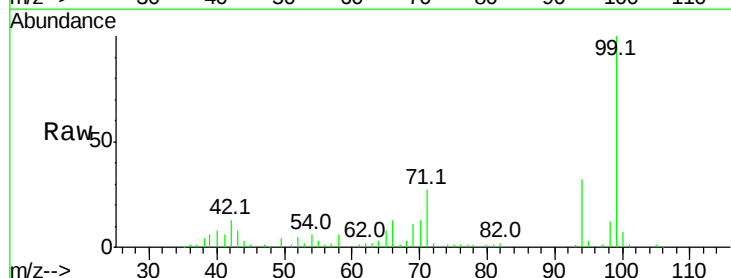
Tgt Ion: 94 Resp: 34070

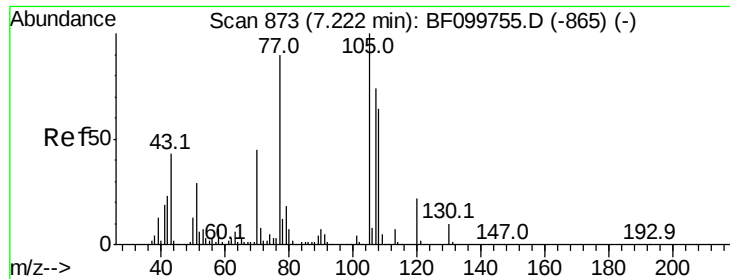
Ion Ratio Lower Upper

94 100

65 25.4 7.9 47.9

66 39.7 16.2 56.2

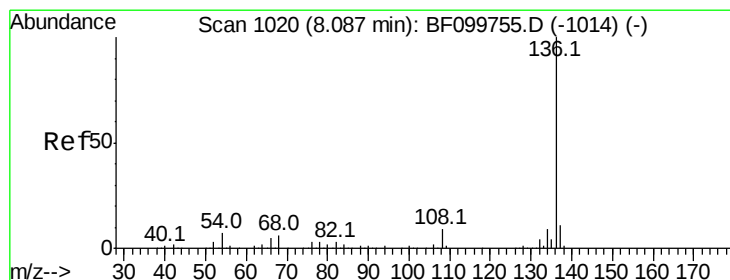
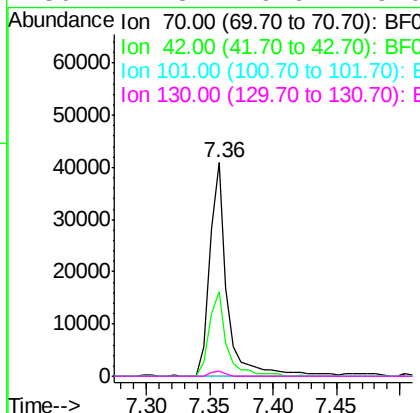
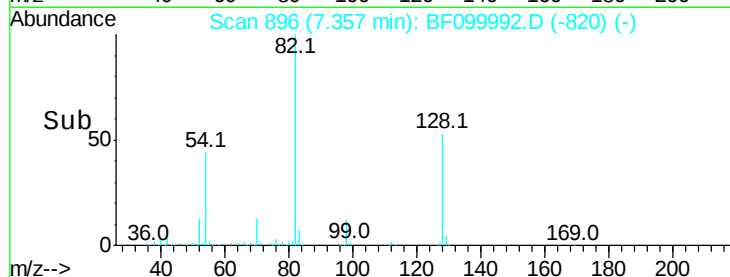
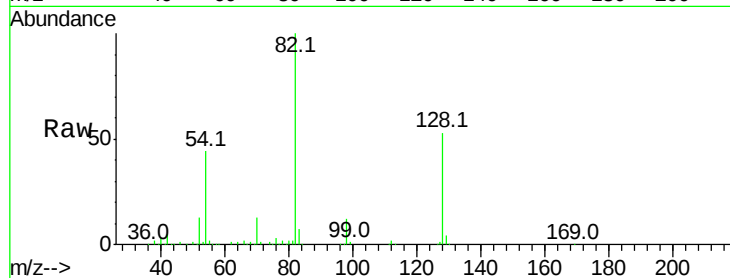




#19
n-Nitroso-di-n-propylamine
Concen: 10.688 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF099992.D
Acq: 31 Oct 2017 6:18

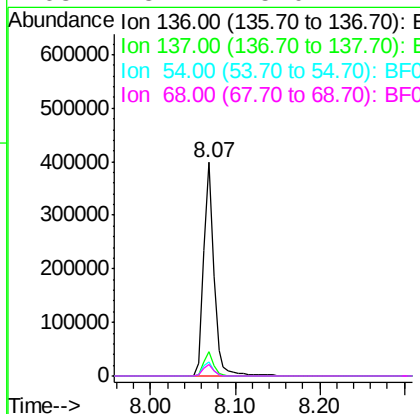
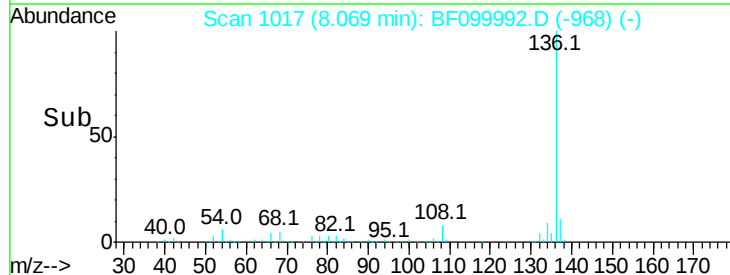
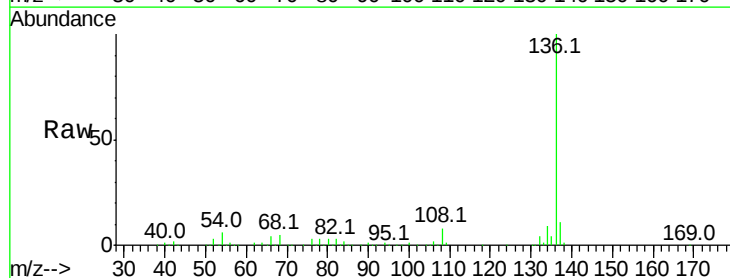
Instrument :
BNA_F
ClientSampleId :

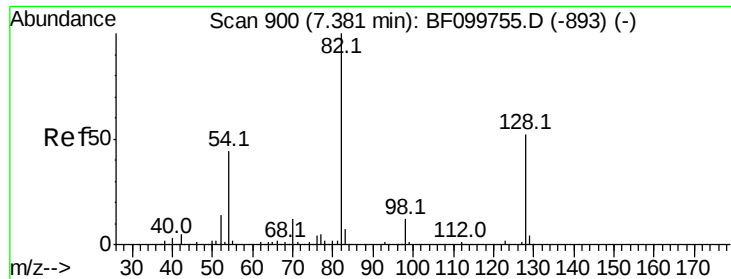
Tot Ion: 70 Resp: 39468
Ion Ratio Lower Upper
70 100
42 39.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099992.D
Acq: 31 Oct 2017 6:18

Tgt Ion: 136 Resp: 337424
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 6.4 6.6 9.8#
68 5.4 5.0 7.4

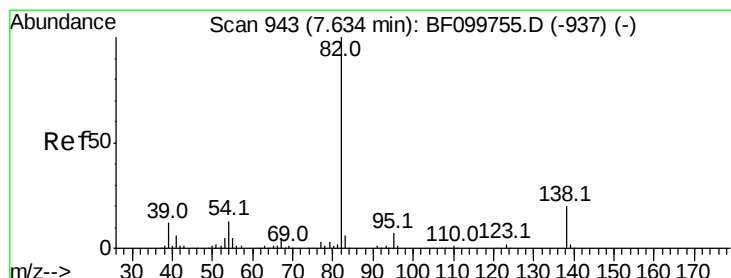
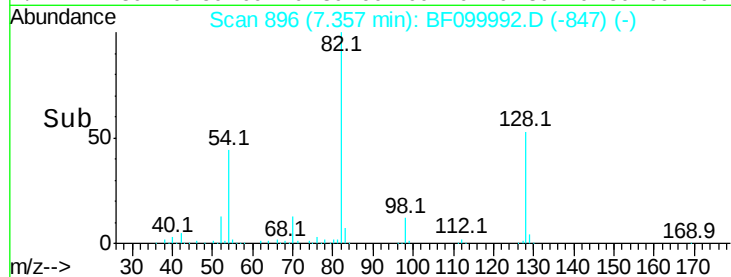
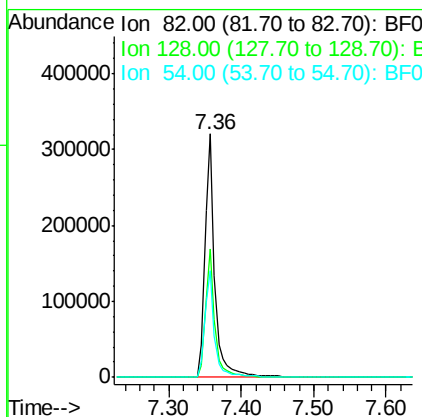
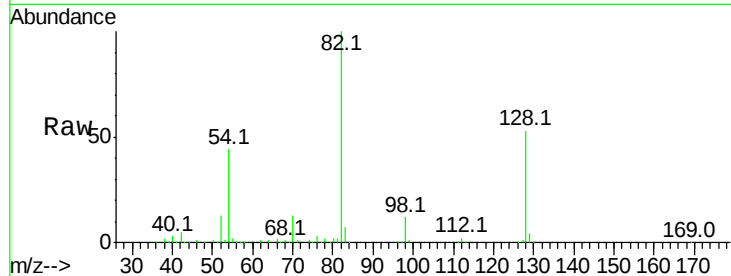




#23
 Nitrobenzene-d5
 Concen: 58.220 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF099992.D
 Acq: 31 Oct 2017 6:18

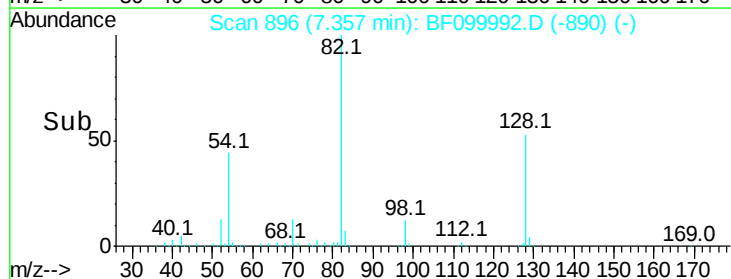
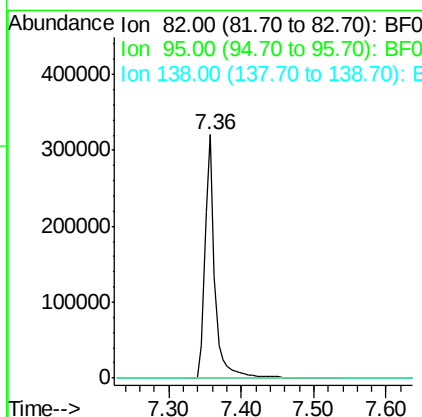
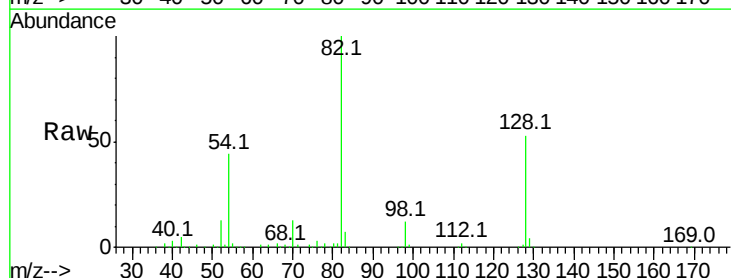
Instrument :
 BNA_F
 ClientSampleId :

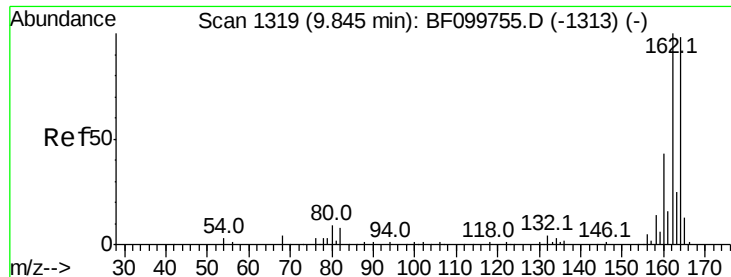
Tot Ion:	82	Resp:	305135
Ion	Ratio	Lower	Upper
82	100		
128	52.5	36.1	54.1
54	43.8	41.4	62.2



#25
 Isophorone
 Concen: 32.085 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF099992.D
 Acq: 31 Oct 2017 6:18

Tgt Ion:	82	Resp:	305135
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

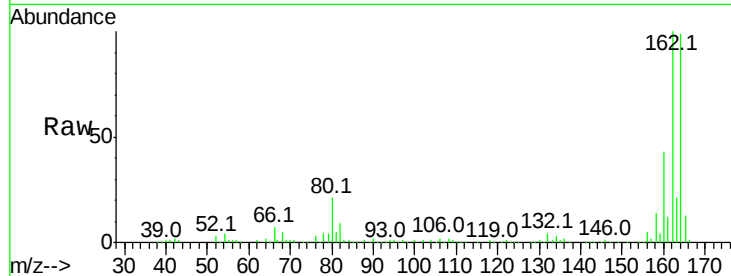




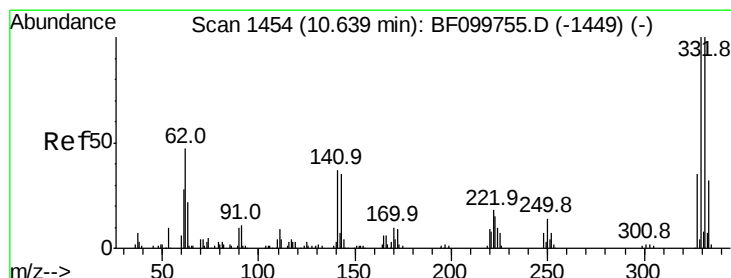
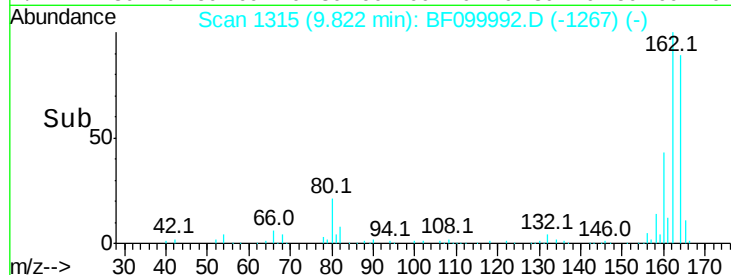
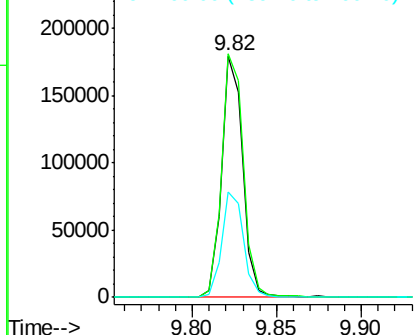
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF099992.D
Acq: 31 Oct 2017 6:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 156224
Ion Ratio Lower Upper
164 100
162 101.0 86.1 129.1
160 43.5 38.3 57.5

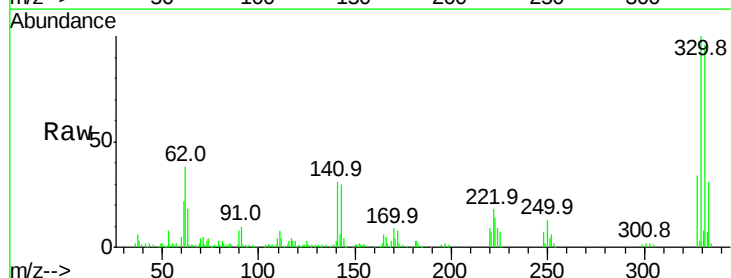


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

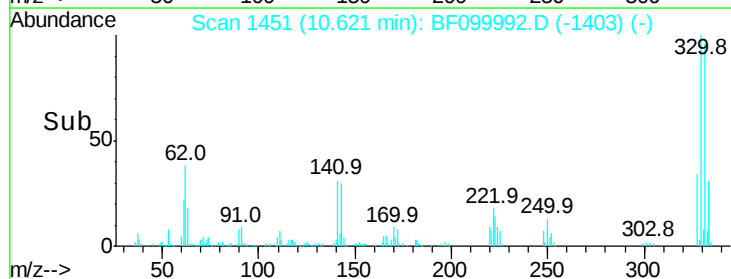
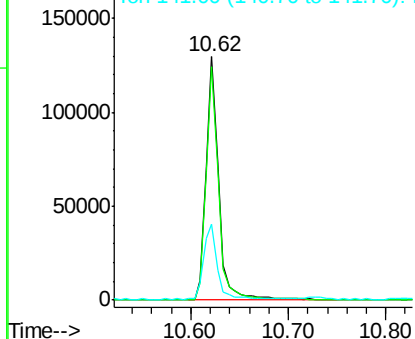


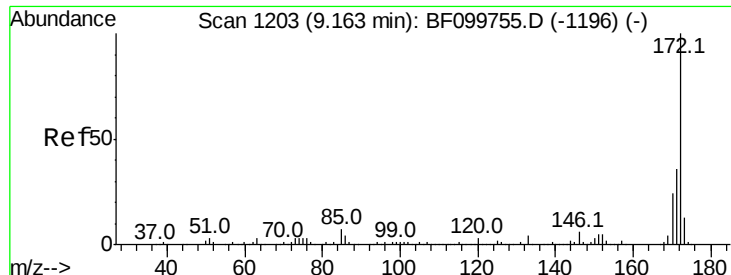
#41
2,4,6-Tribromophenol
Concen: 82.343 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.02 min
Lab File: BF099992.D
Acq: 31 Oct 2017 6:18

Tgt Ion:330 Resp: 117231
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 33.0 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

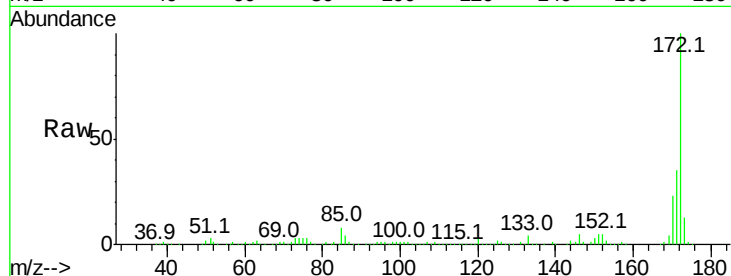




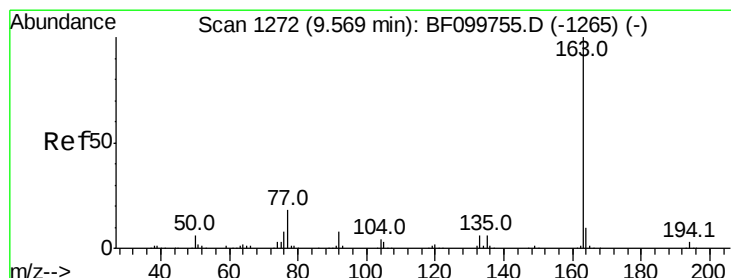
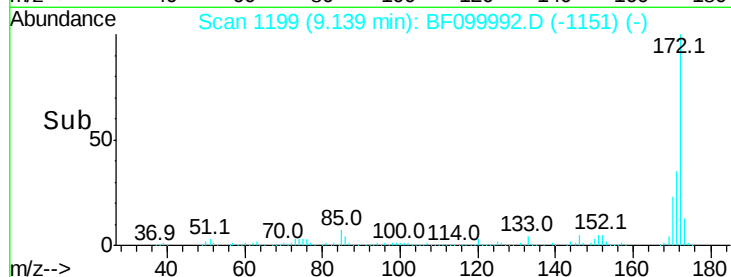
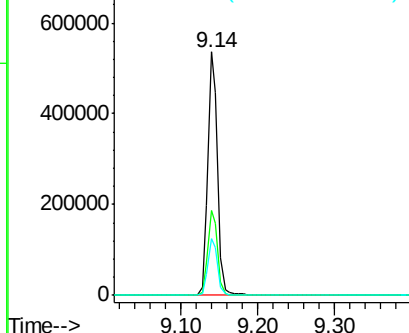
#44
2-Fluorobiphenyl
Concen: 46.301 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.02 min
Lab File: BF099992.D
Acq: 31 Oct 2017 6:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 468828
Ion Ratio Lower Upper
172 100
171 35.0 29.7 44.5
170 23.4 19.6 29.4

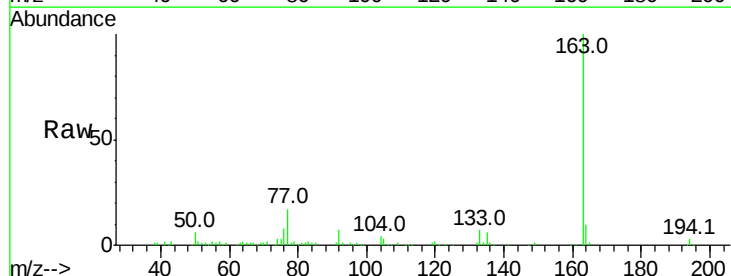


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

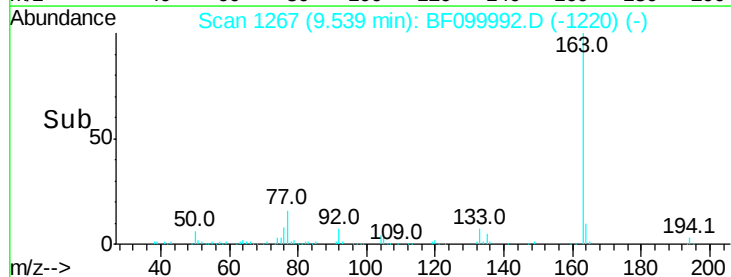
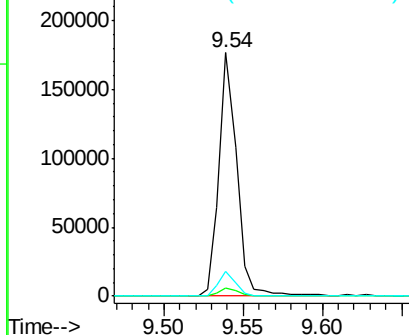


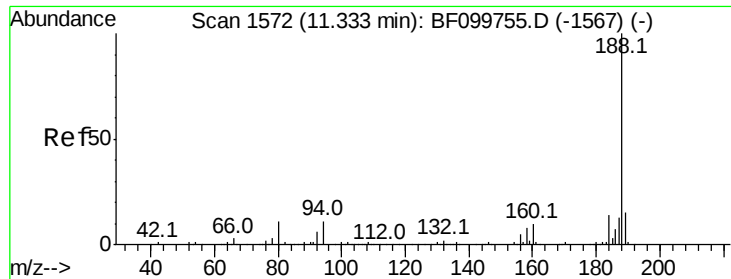
#49
Dimethylphthalate
Concen: 11.292 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF099992.D
Acq: 31 Oct 2017 6:18

Tgt Ion:163 Resp: 139699
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.0 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

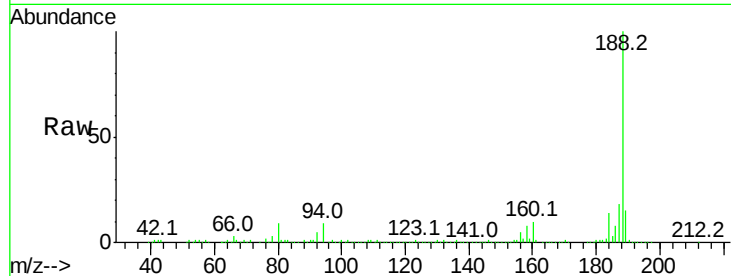




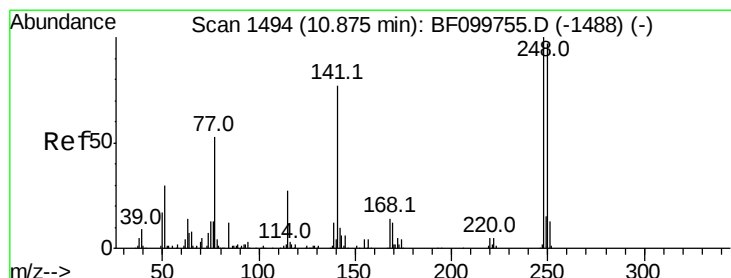
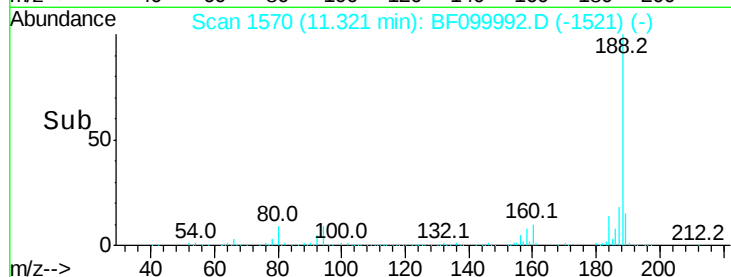
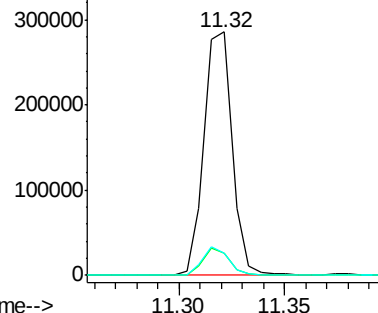
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF099992.D
 Acq: 31 Oct 2017 6:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	9.3	9.2	13.8

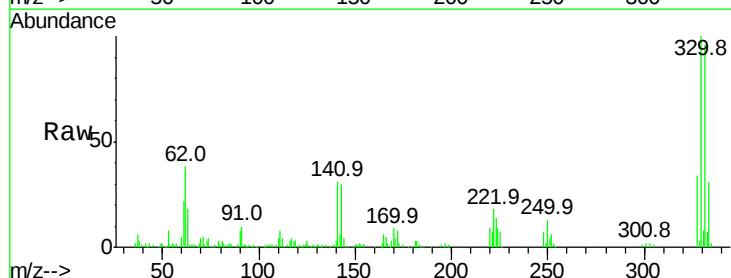


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

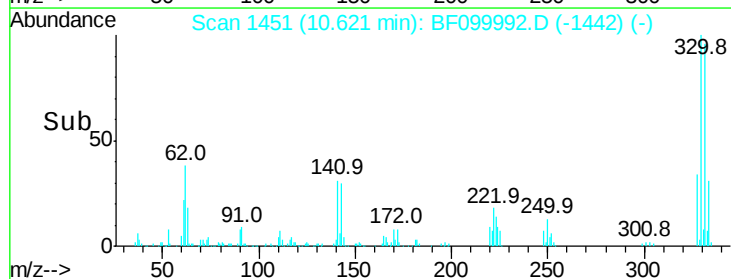
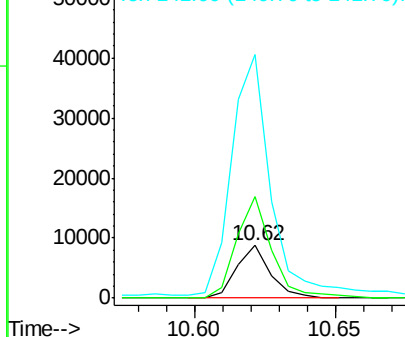


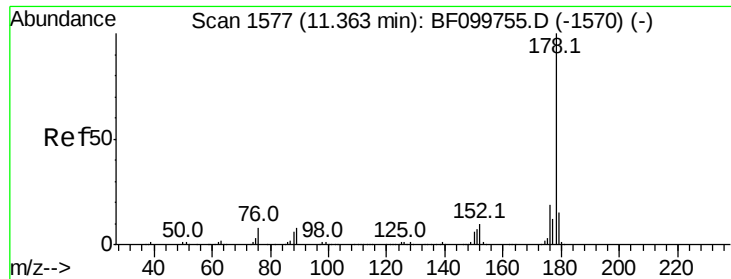
#66
 4-Bromophenyl-phenylether
 Concen: 2.644 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF099992.D
 Acq: 31 Oct 2017 6:18

Tgt Ion	Ratio	Lower	Upper
248	100		
250	194.8	76.9	115.3#
141	464.8	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: 6.417 ng

RT: 11.34 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BF099992.D

Acq: 31 Oct 2017 6:18

Instrument :

BNA_F

ClientSampleId :

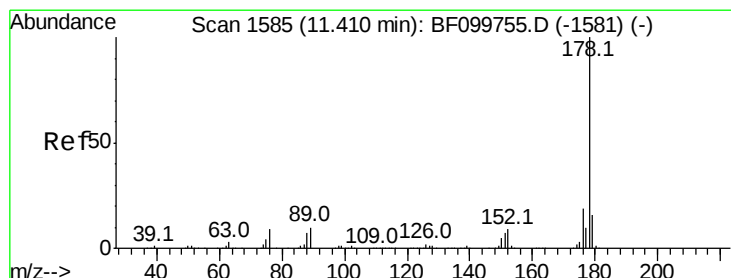
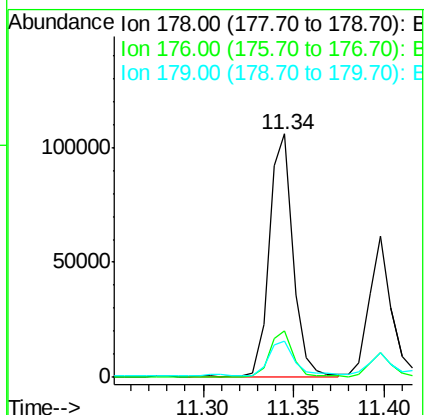
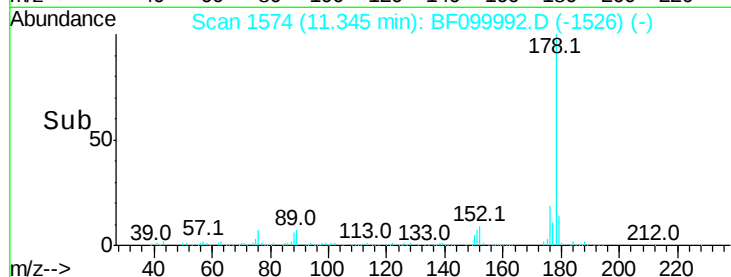
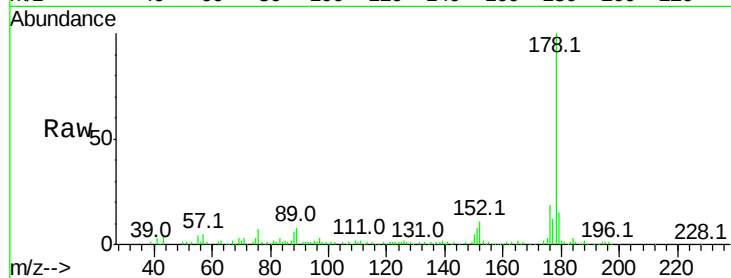
Tot Ion:178 Resp: 95414

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

179 14.9 13.0 19.6



#71

Anthracene

Concen: 3.515 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.02 min

Lab File: BF099992.D

Acq: 31 Oct 2017 6:18

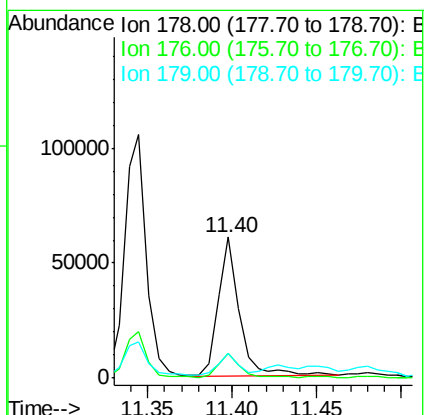
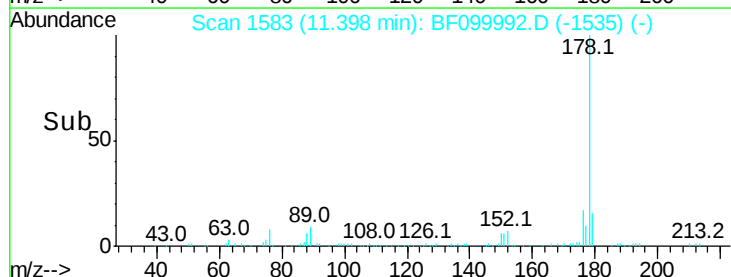
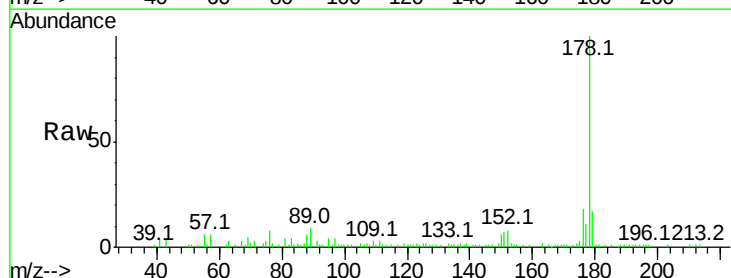
Tgt Ion:178 Resp: 53049

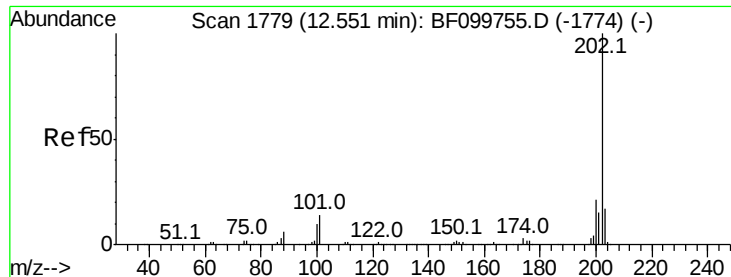
Ion Ratio Lower Upper

178 100

176 17.6 15.4 23.2

179 17.4 12.6 19.0





#74

Fluoranthene

Concen: 12.007 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF099992.D

Acq: 31 Oct 2017 6:18

Instrument :

BNA_F

ClientSampleId :

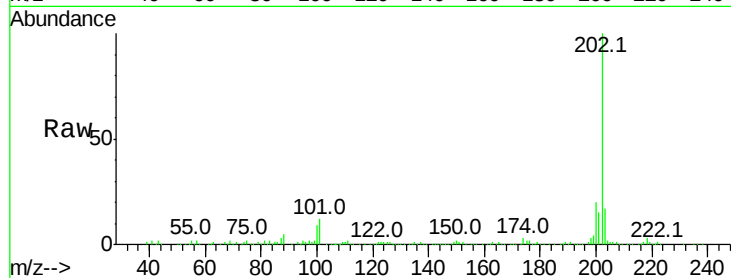
Tot Ion:202 Resp: 185527

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

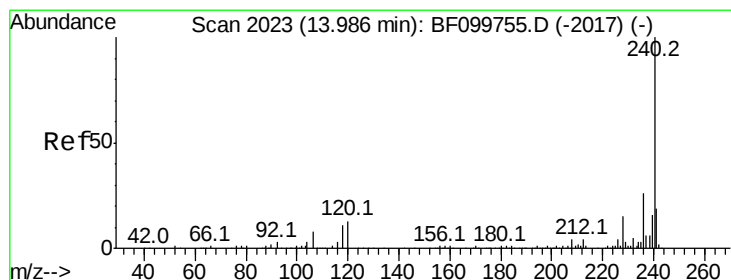
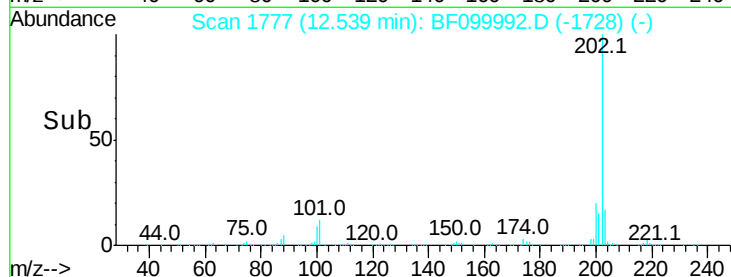
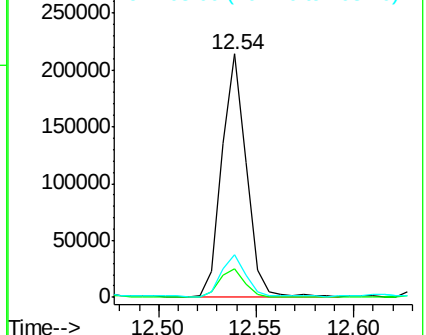
203 17.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF099992.D

Acq: 31 Oct 2017 6:18

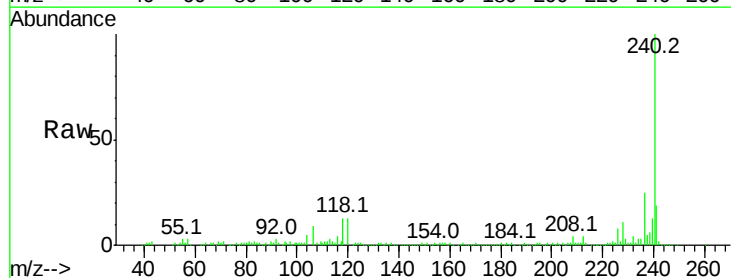
Tgt Ion:240 Resp: 168955

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

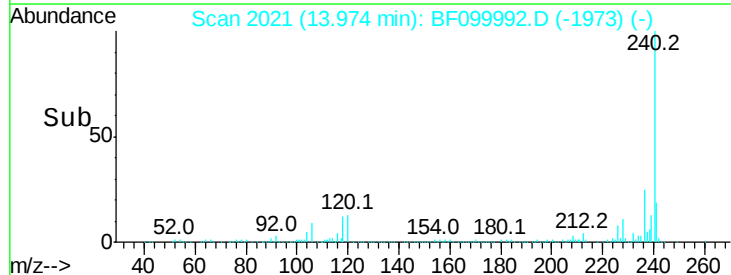
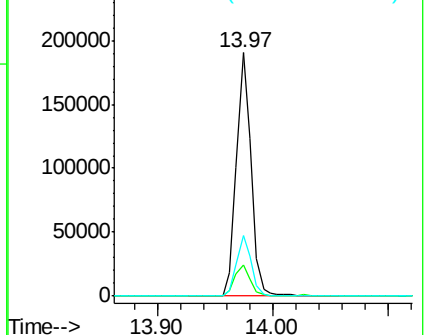
236 24.7 20.7 31.1

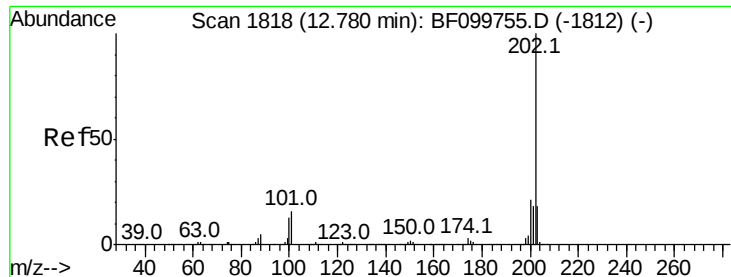


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

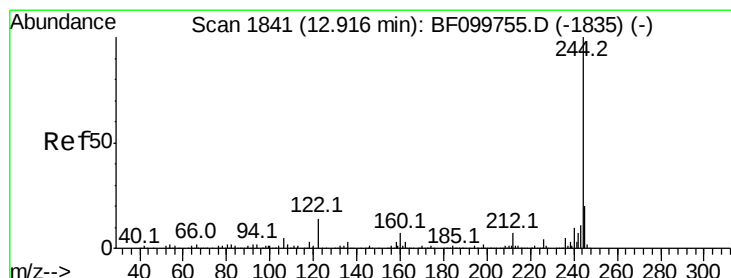
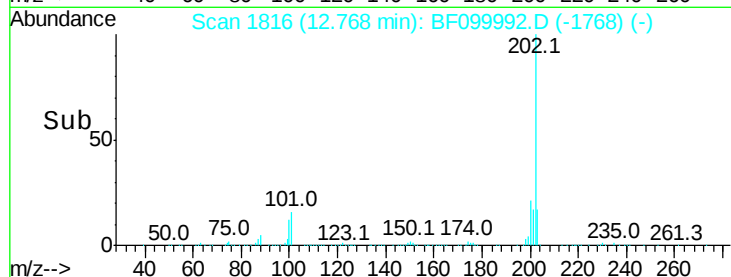
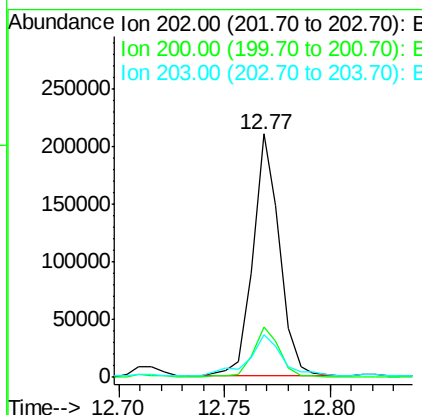
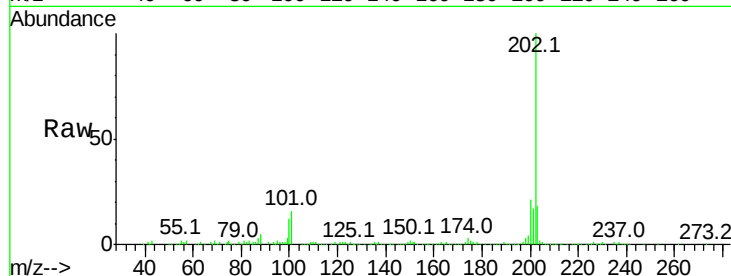




#77
Pvrene
Concen: 14.374 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF099992.D
Acq: 31 Oct 2017 6:18

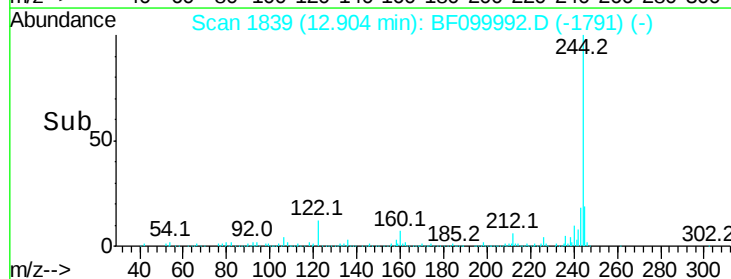
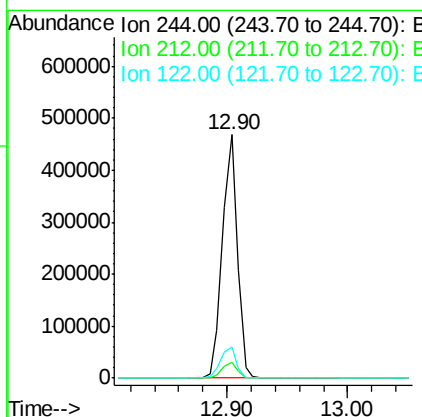
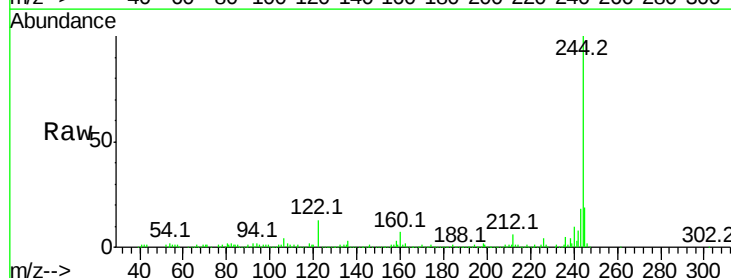
Instrument :
BNA_F
ClientSampled :

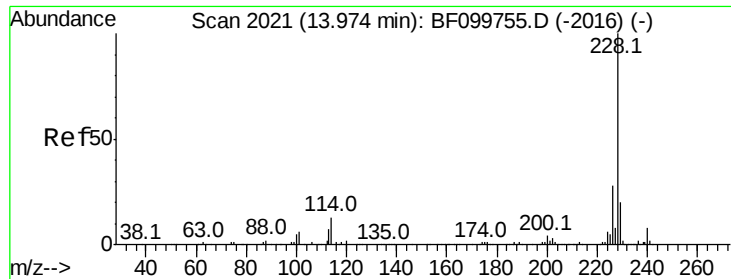
Tot Ion:202 Resp: 184665
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 17.8 14.3 21.5



#78
Terphenyl-d14
Concen: 51.903 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.02 min
Lab File: BF099992.D
Acq: 31 Oct 2017 6:18

Tgt Ion:244 Resp: 401275
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 12.5 11.0 16.4

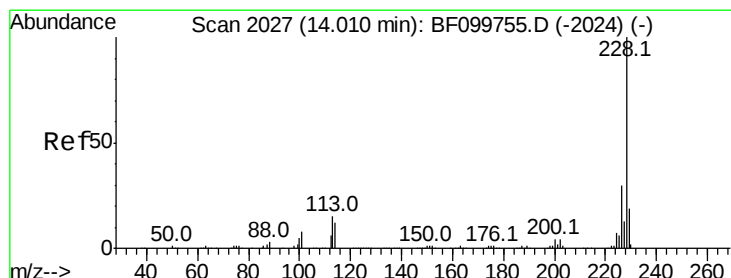
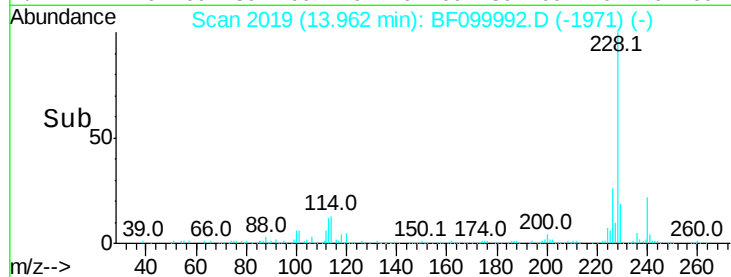
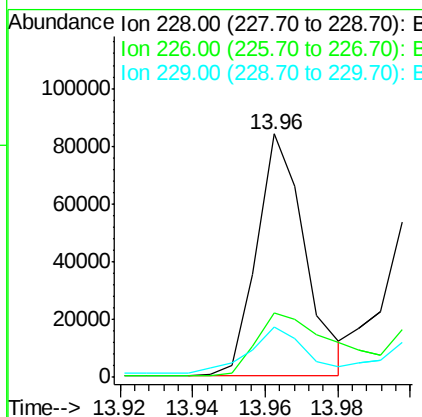
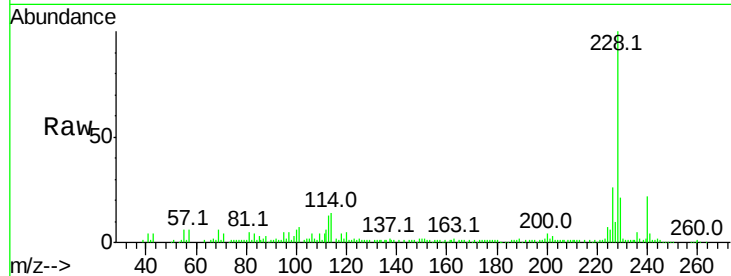




#80
Benzo(a)anthracene
Concen: 7.261 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF099992.D
Acq: 31 Oct 2017 6:18

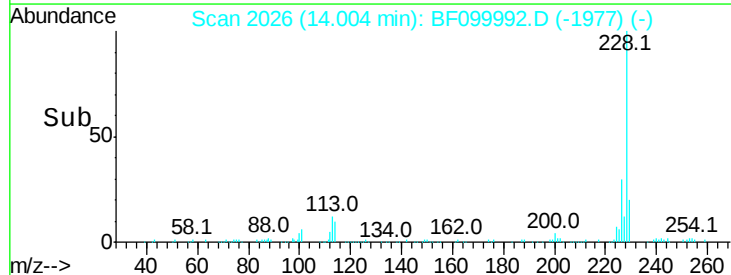
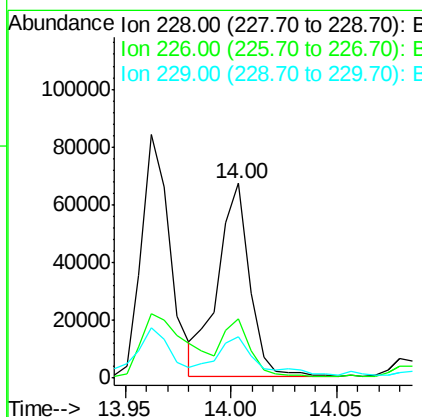
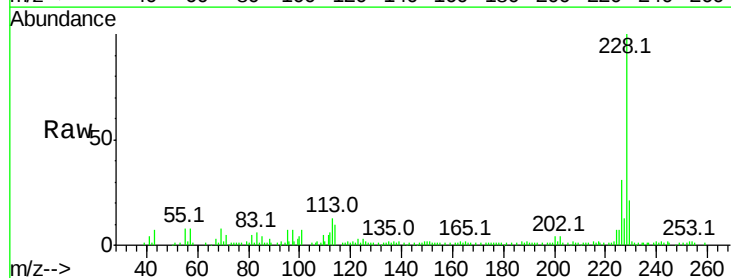
Instrument :
BNA_F
ClientSampleId :

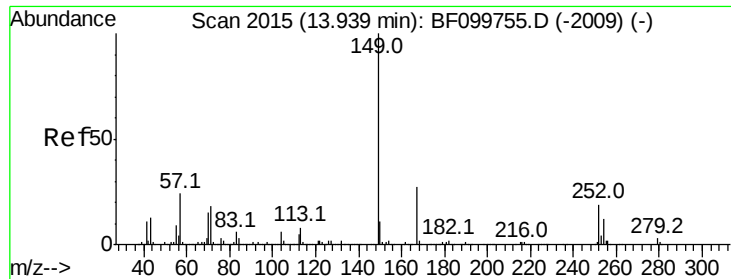
Tot Ion:228 Resp: 77770
Ion Ratio Lower Upper
228 100
226 26.4 22.6 33.8
229 20.7 15.8 23.6



#82
Chrysene
Concen: 6.930 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF099992.D
Acq: 31 Oct 2017 6:18

Tgt Ion:228 Resp: 69781
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 21.4 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.694 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF099992.D

Acq: 31 Oct 2017 6:18

Instrument :

BNA_F

ClientSampleId :

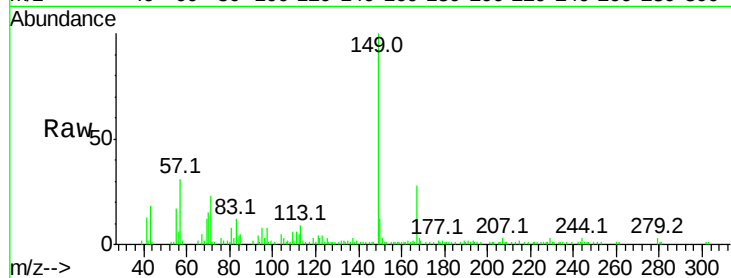
Tot Ion:149 Resp: 41706

Ion Ratio Lower Upper

149 100

167 27.9 21.3 31.9

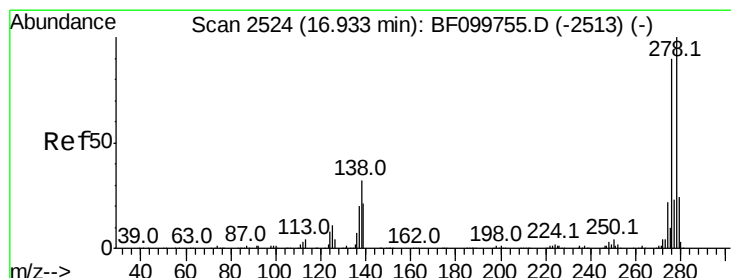
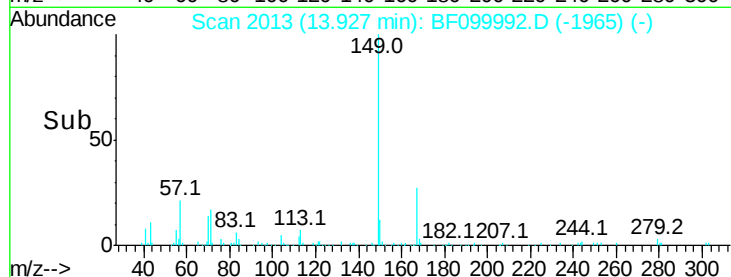
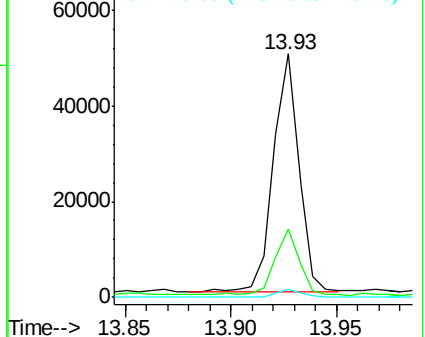
279 3.2 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.192 ng

RT: 16.96 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BF099992.D

Acq: 31 Oct 2017 6:18

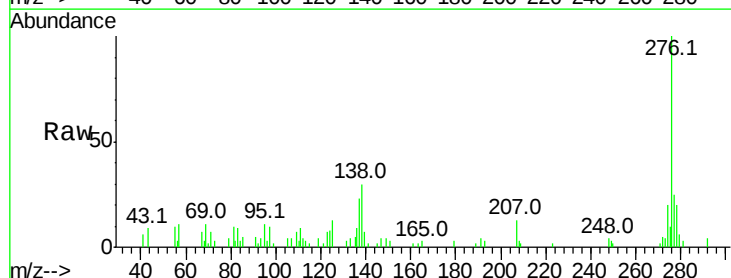
Tgt Ion:276 Resp: 29510

Ion Ratio Lower Upper

276 100

138 28.0 25.0 37.6

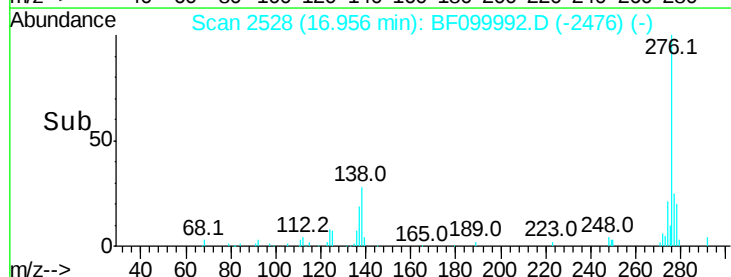
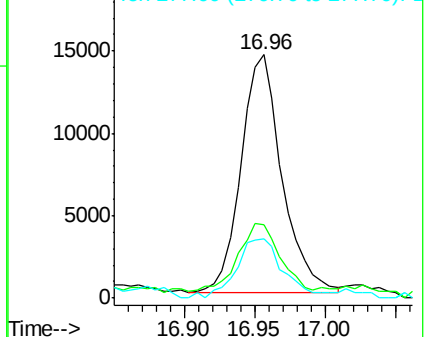
277 28.7 20.1 30.1

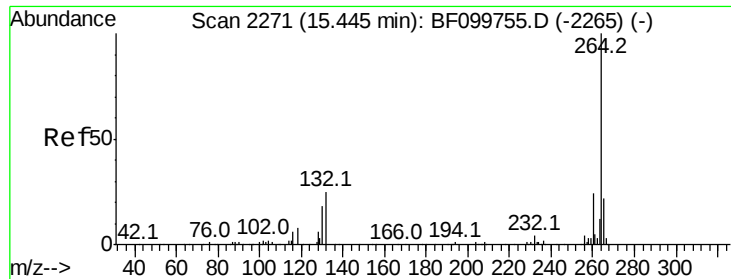


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. -0.00 min

Lab File: BF099992.D

Acq: 31 Oct 2017 6:18

Instrument :

BNA_F

ClientSampleId :

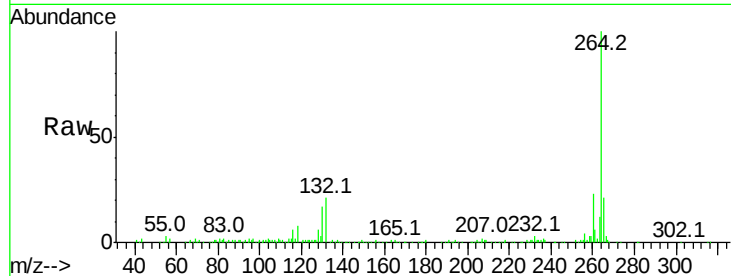
Tot Ion:264 Resp: 155592

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

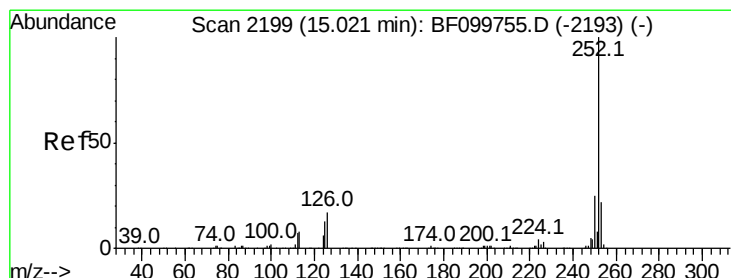
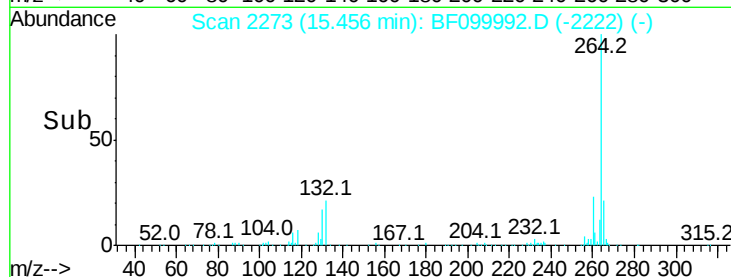
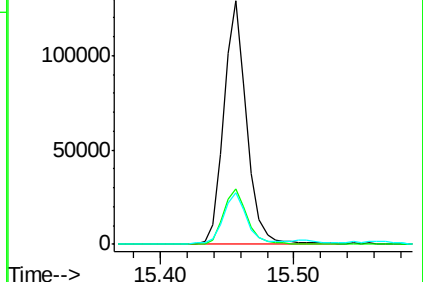
265 21.0 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 9.797 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF099992.D

Acq: 31 Oct 2017 6:18

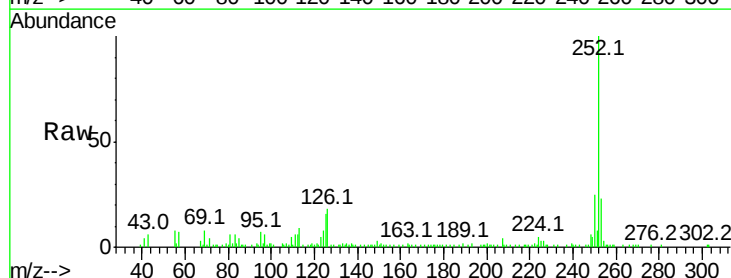
Tgt Ion:252 Resp: 96250

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

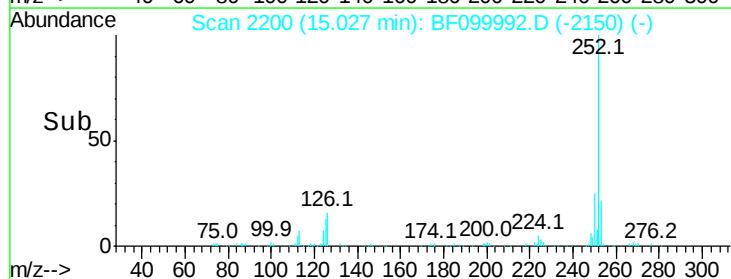
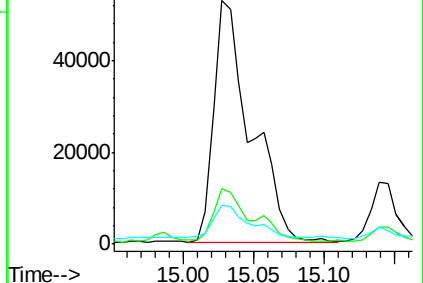
125 15.9 9.0 13.6#

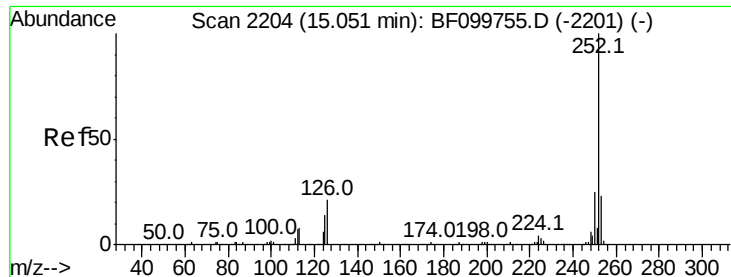


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

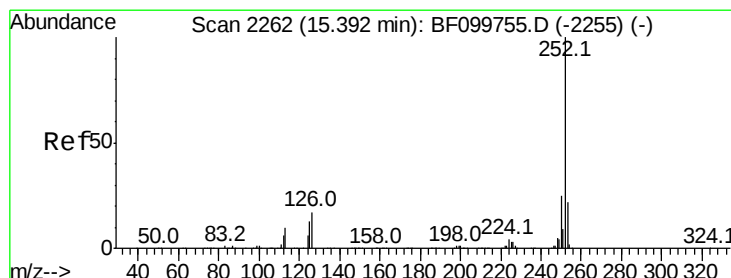
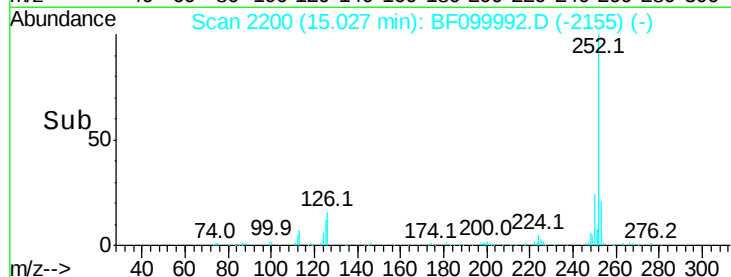
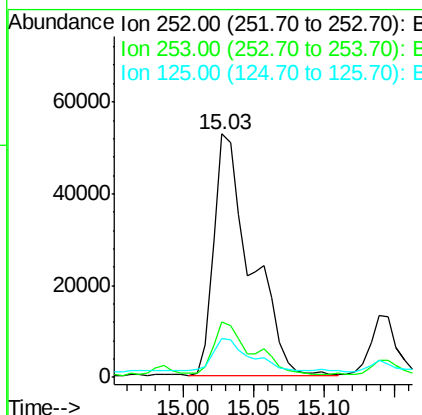
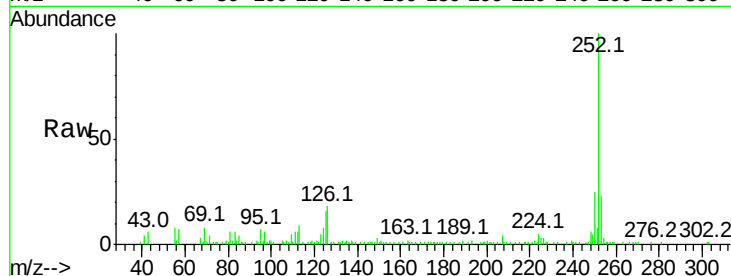




#88
Benzo(k)fluoranthene
Concen: 10.389 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF099992.D
Acq: 31 Oct 2017 6:18

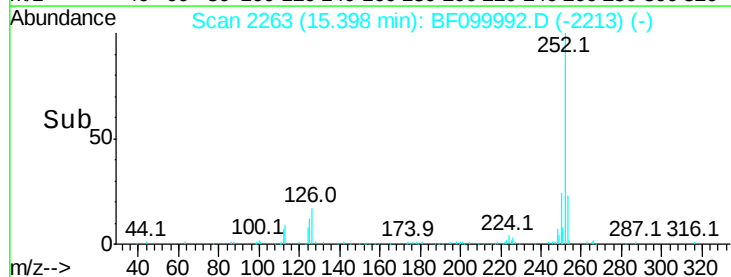
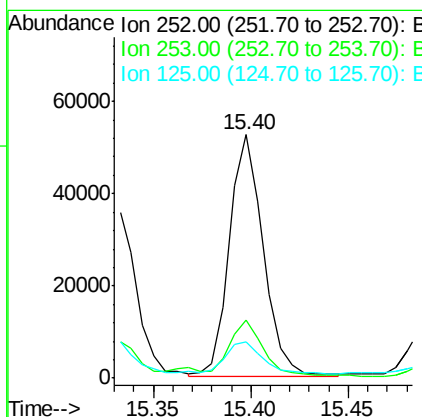
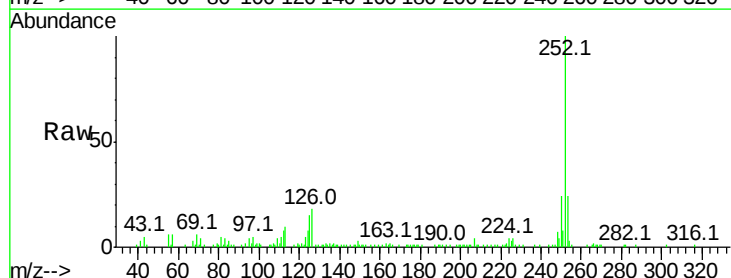
Instrument :
BNA_F
ClientSampleId :

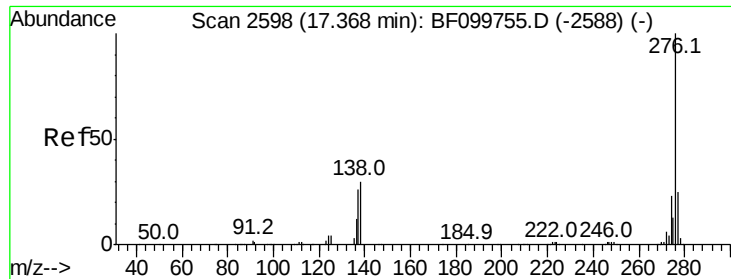
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	15.9	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 7.099 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF099992.D
Acq: 31 Oct 2017 6:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	15.1	9.8	14.6#

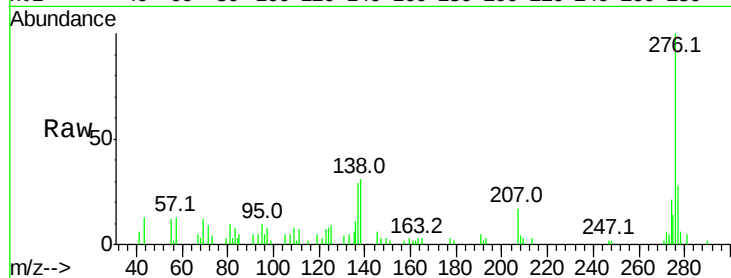




#91
 Benzo(a,h,i)perylene
 Concen: 4.025 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. 0.01 min
 Lab File: BF099992.D
 Acq: 31 Oct 2017 6:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.2	17.9	26.9#
138	30.9	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

