

Data File : BF100020.D
Acq On : 31 Oct 2017 22:42
Operator : SJ/JU
Sample : I6081-09
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILL

Quant Time: Nov 01 08:18:03 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 16:51:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	95647	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	381531	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	168399	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	281639	20.00	ng	0.00
75) Chrysene-d12	13.97	240	161748	20.00	ng	-0.01
86) Perylene-d12	15.46	264	167429	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	537099	88.16	ng	0.00
7) Phenol-d6	6.43	99	655873	90.79	ng	0.00
23) Nitrobenzene-d5	7.36	82	360417	60.82	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	132061	86.05	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	757367	69.39	ng	0.00
78) Terphenyl-d14	12.90	244	540331	73.00	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.56	77	9480	2.20	ng	93
10) Phenol	6.45	94	30166	3.80	ng	88
19) n-Nitroso-di-n-propylamine	7.36	70	44742	10.57	ng	# 71
25) Isophorone	7.36	82	360417	33.52	ng	# 64
49) Dimethylphthalate	9.54	163	67652	5.07	ng	99
50) 2,6-Dinitrotoluene	9.82	165	21612	7.71	ng	# 24
56) 2,4-Dinitrotoluene	9.82	165	21612	6.40	ng	# 21
62) Azobenzene	10.54	77	23556	2.16	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	8283	2.79	ng	# 1
70) Phenanthrene	11.34	178	36114	2.27	ng	98
74) Fluoranthene	12.54	202	49984	3.03	ng	98
77) Pyrene	12.77	202	44025	3.58	ng	99
87) Benzo(b)fluoranthene	15.04	252	28387	2.69	ng	# 94
88) Benzo(k)fluoranthene	15.04	252	28387	2.85	ng	# 95

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

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ClientSampleId :

Q4-COMP-FILL

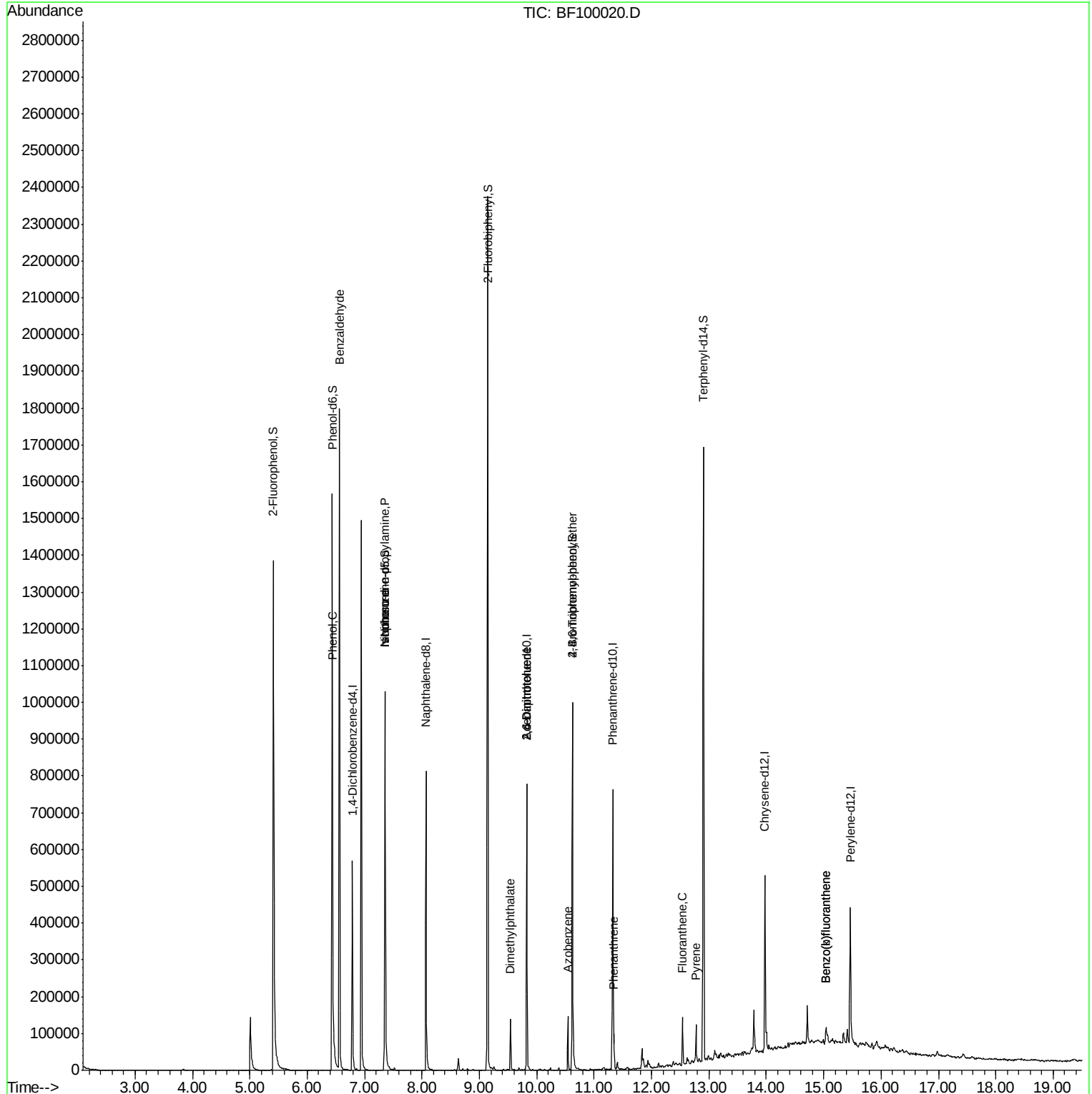
Quant Time: Nov 01 08:18:03 2017

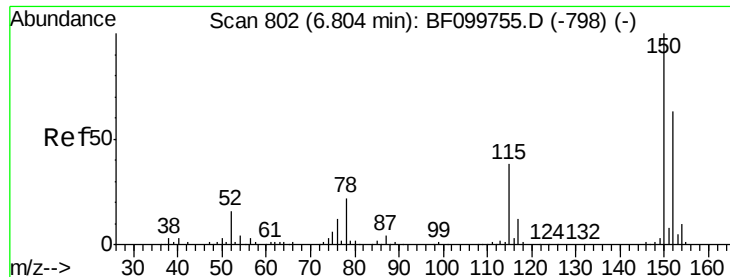
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Oct 31 16:51:57 2017

Response via : Initial Calibration



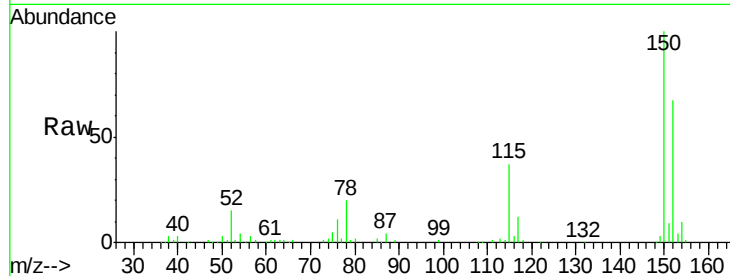


#1

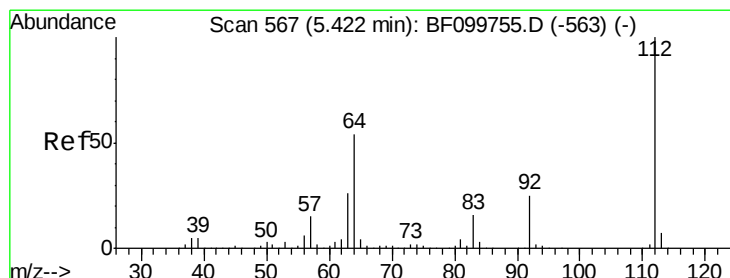
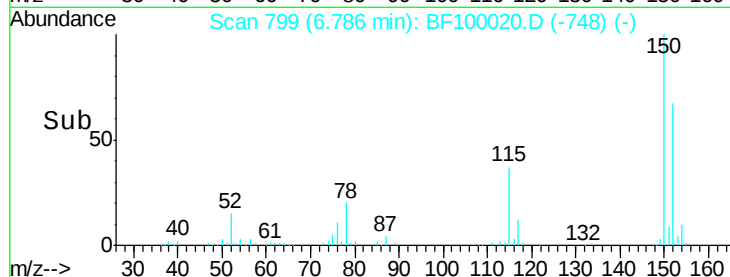
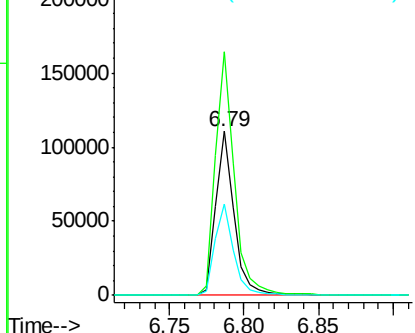
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF100020.D
Acq: 31 Oct 2017 22:42

Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILL

Tgt Ion:152 Resp: 95647
Ion Ratio Lower Upper
152 100
150 148.8 124.6 186.8
115 55.6 50.1 75.1



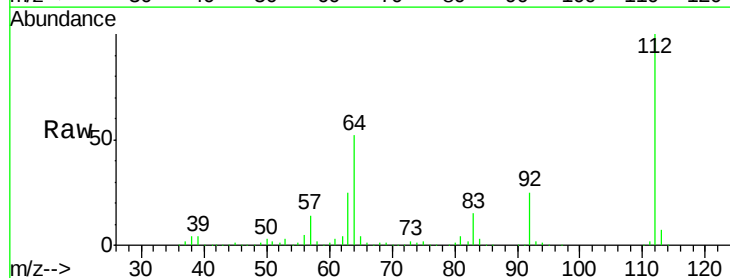
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



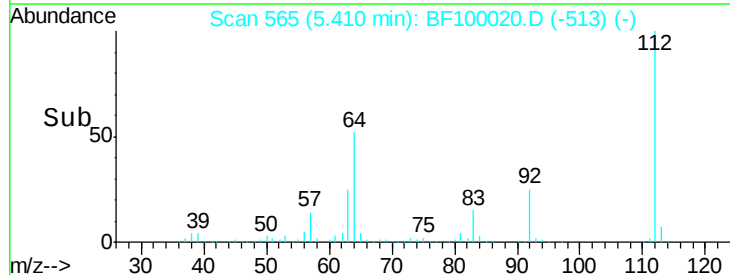
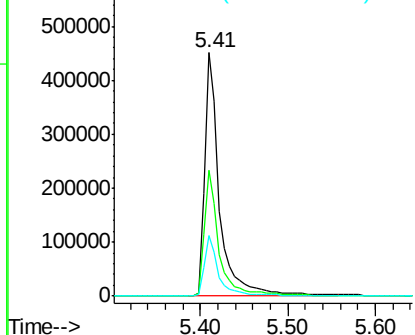
#5

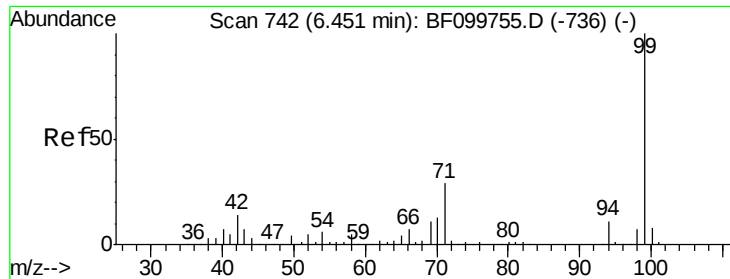
2-Fluorophenol
Concen: 88.16 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF100020.D
Acq: 31 Oct 2017 22:42

Tgt Ion:112 Resp: 537099
Ion Ratio Lower Upper
112 100
64 51.9 47.9 71.9
63 25.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 90.79 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF100020.D

Acq: 31 Oct 2017 22:42

Instrument :

BNA_F

ClientSampleId :

Q4-COMP-FILL

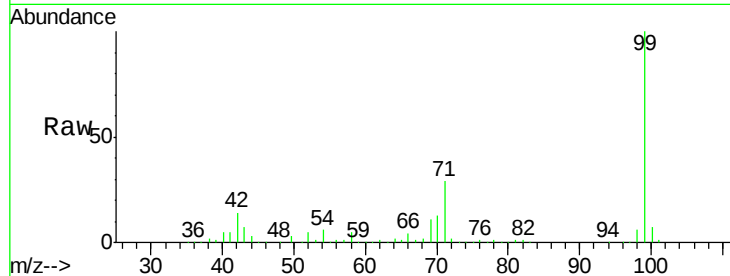
Tgt Ion: 99 Resp: 655873

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

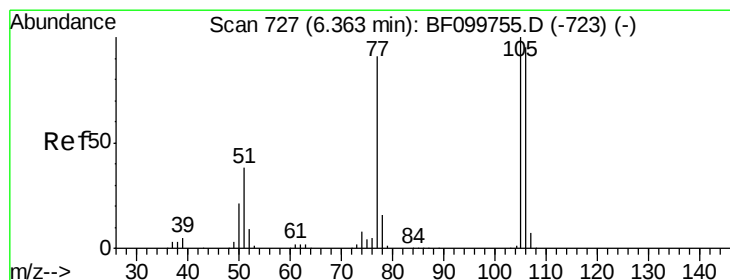
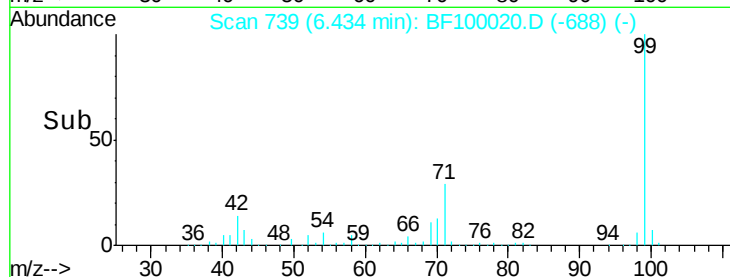
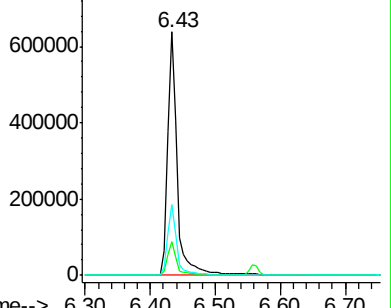
71 28.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.20 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.21 min

Lab File: BF100020.D

Acq: 31 Oct 2017 22:42

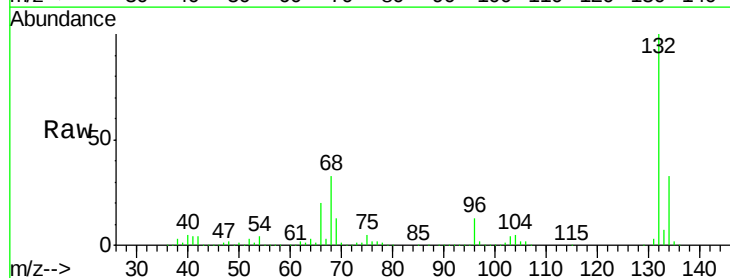
Tgt Ion: 77 Resp: 9480

Ion Ratio Lower Upper

77 100

105 91.7 81.1 121.1

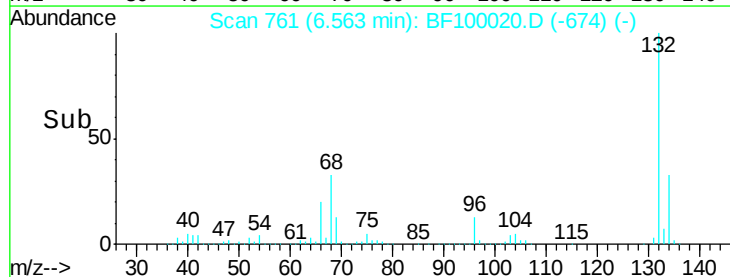
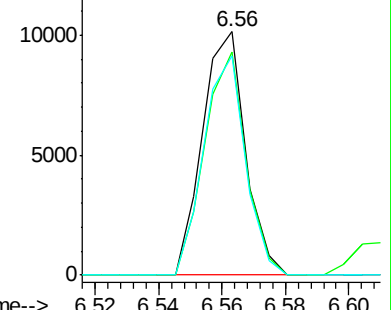
106 90.3 74.5 114.5

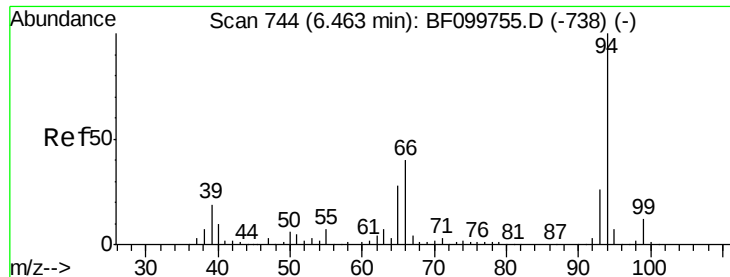


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.80 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF100020.D

Acq: 31 Oct 2017 22:42

Instrument :

BNA_F

ClientSampleId :

Q4-COMP-FILL

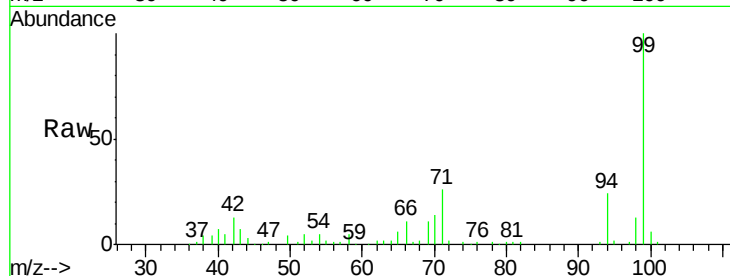
Tgt Ion: 94 Resp: 30166

Ion Ratio Lower Upper

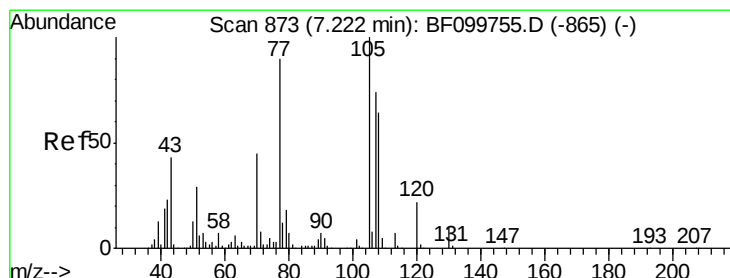
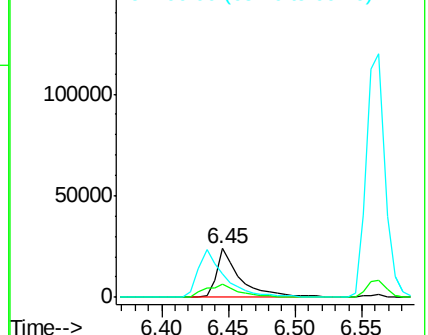
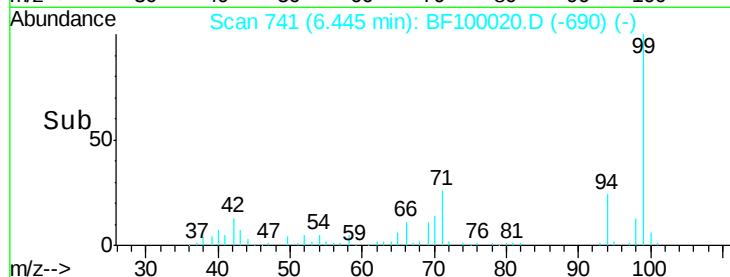
94 100

65 25.9 7.9 47.9

66 46.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.57 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF100020.D

Acq: 31 Oct 2017 22:42

Tgt Ion: 70 Resp: 44742

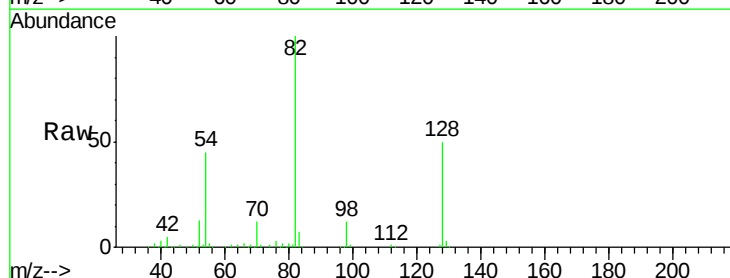
Ion Ratio Lower Upper

70 100

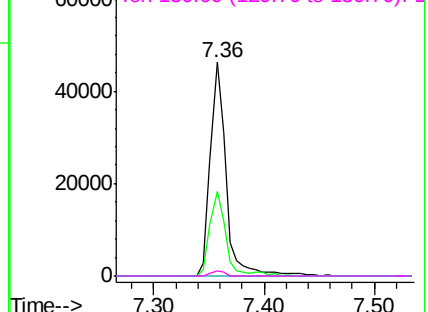
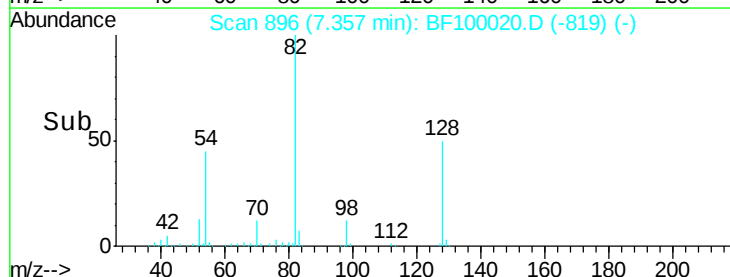
42 39.6 47.5 71.3#

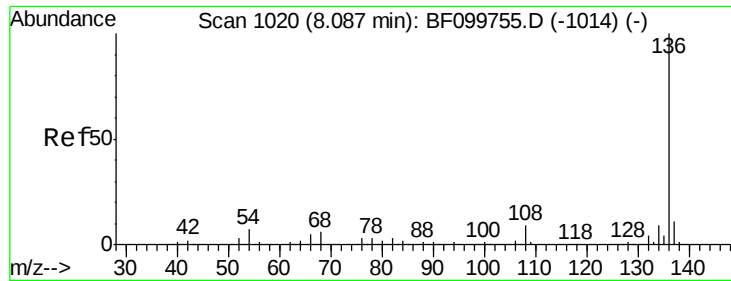
101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

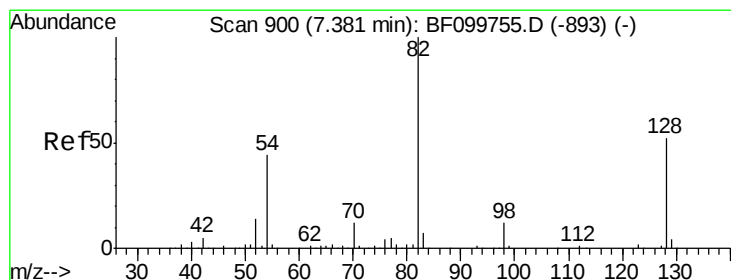
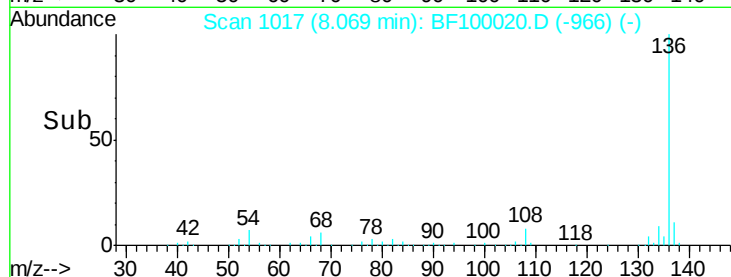
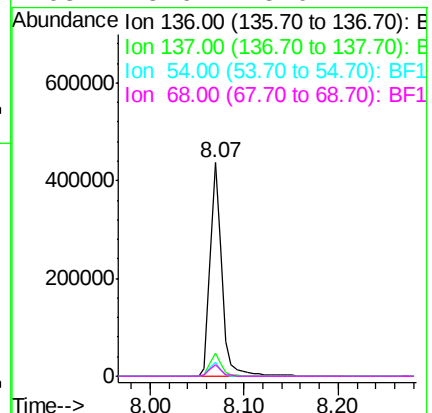
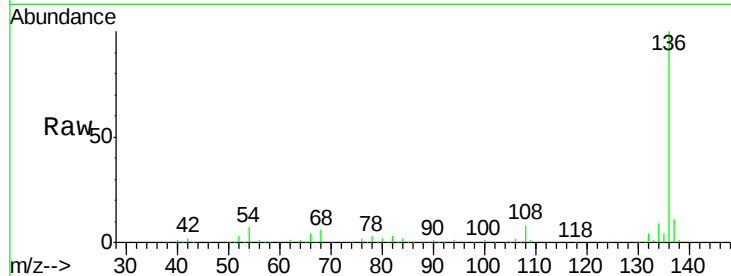




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF100020.D
Acq: 31 Oct 2017 22:42

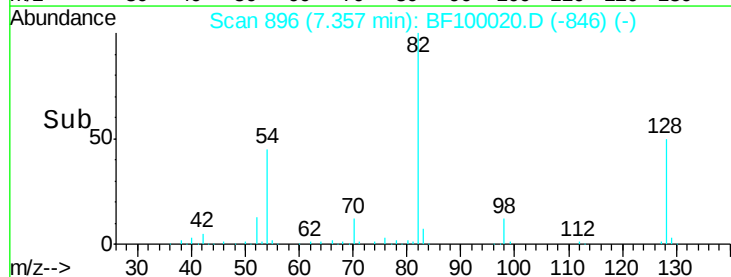
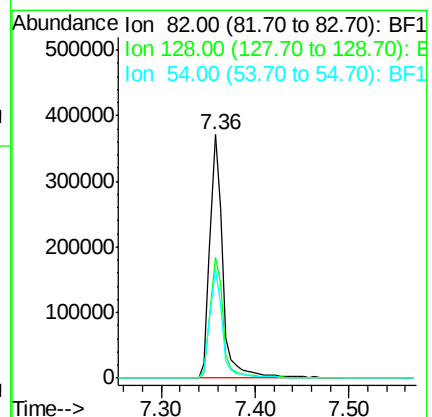
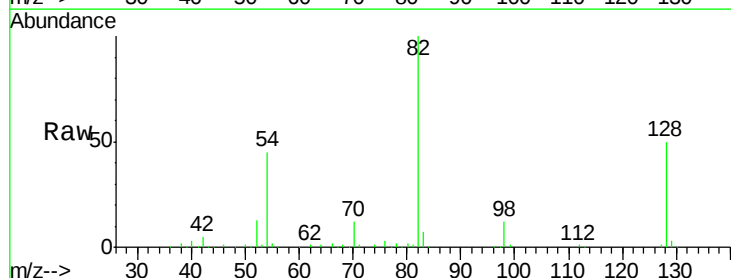
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILL

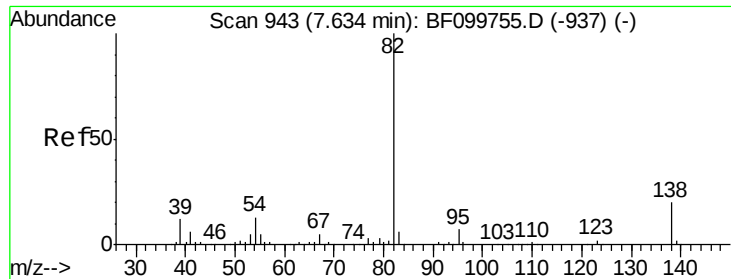
Tgt Ion:	136	Resp:	381531
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.7	6.6	9.8
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 60.82 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF100020.D
Acq: 31 Oct 2017 22:42

Tgt Ion:	82	Resp:	360417
Ion	Ratio	Lower	Upper
82	100		
128	49.8	36.1	54.1
54	45.0	41.4	62.2

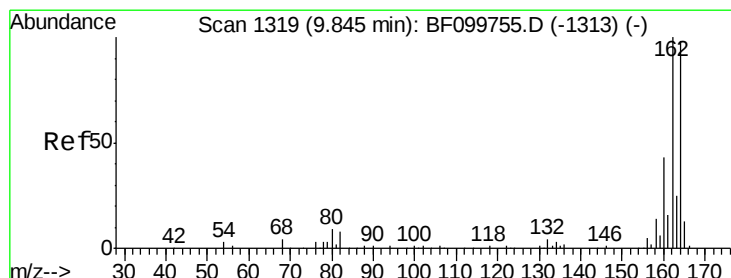
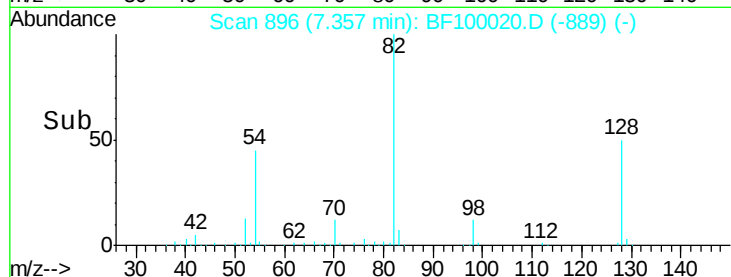
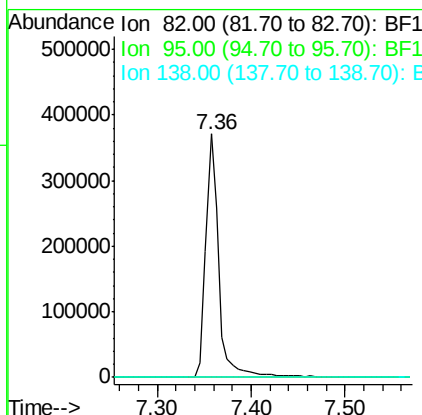
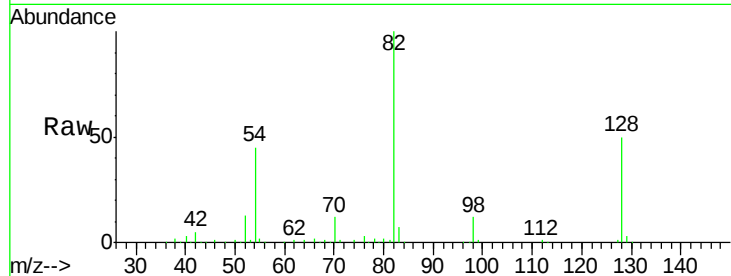




#25
Isophorone
Concen: 33.52 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF100020.D
Acq: 31 Oct 2017 22:42

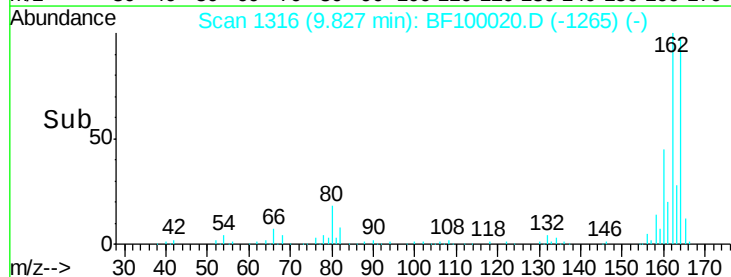
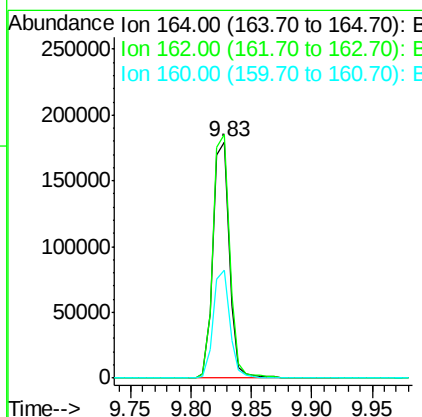
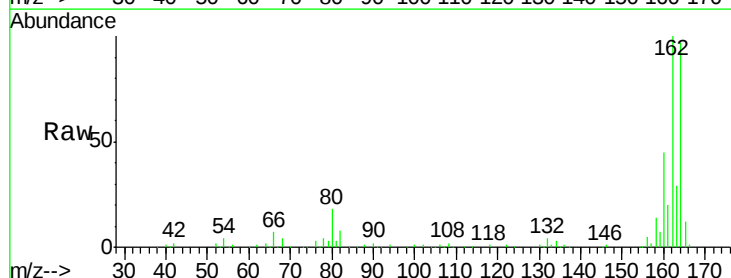
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILL

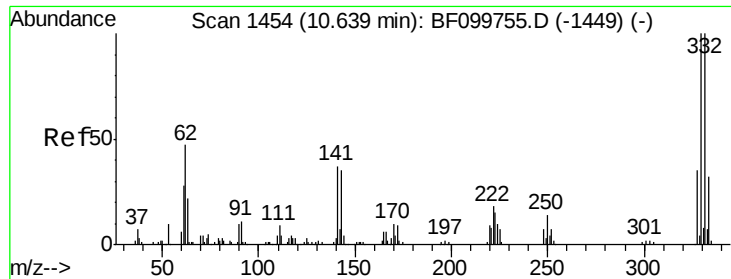
Tgt Ion: 82 Resp: 360417
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BF100020.D
Acq: 31 Oct 2017 22:42

Tgt Ion: 164 Resp: 168399
Ion Ratio Lower Upper
164 100
162 103.1 86.1 129.1
160 45.9 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 86.05 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF100020.D

Acq: 31 Oct 2017 22:42

Instrument :

BNA_F

ClientSampleId :

Q4-COMP-FILL

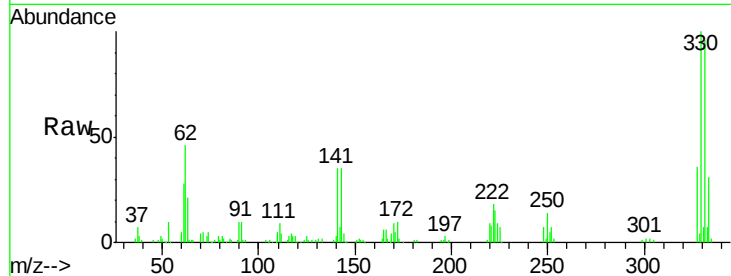
Tgt Ion:330 Resp: 132061

Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.6

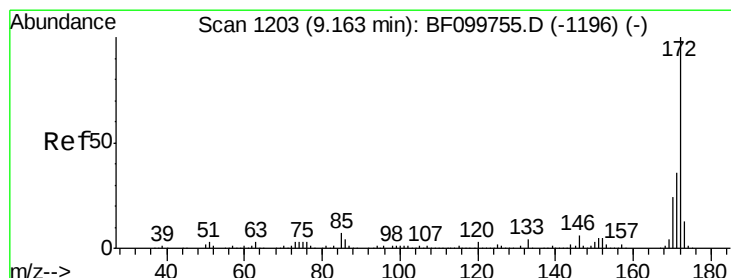
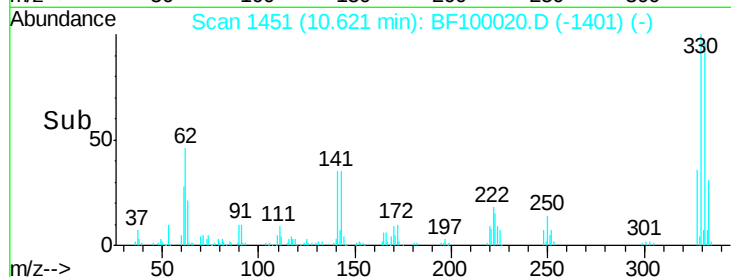
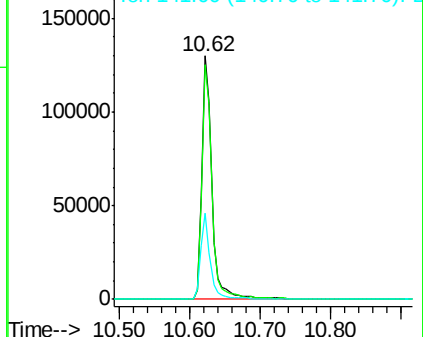
141 33.6 29.9 44.9



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: 69.39 ng

RT: 9.15 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BF100020.D

Acq: 31 Oct 2017 22:42

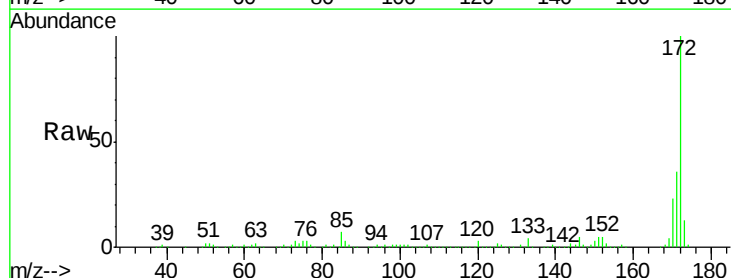
Tgt Ion:172 Resp: 757367

Ion Ratio Lower Upper

172 100

171 36.1 29.7 44.5

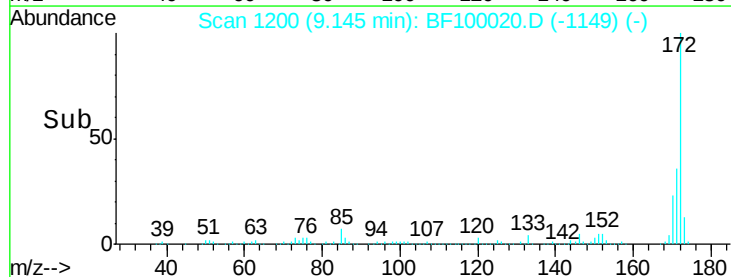
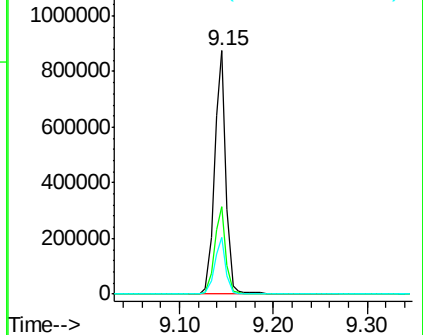
170 23.4 19.6 29.4

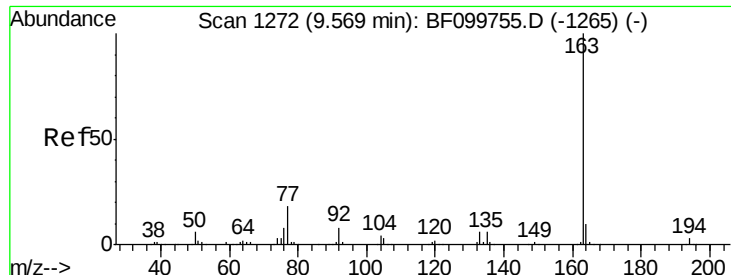


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

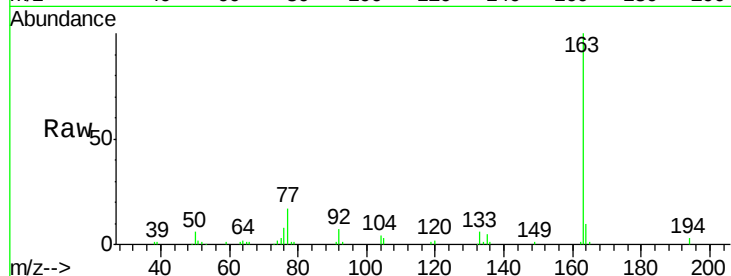




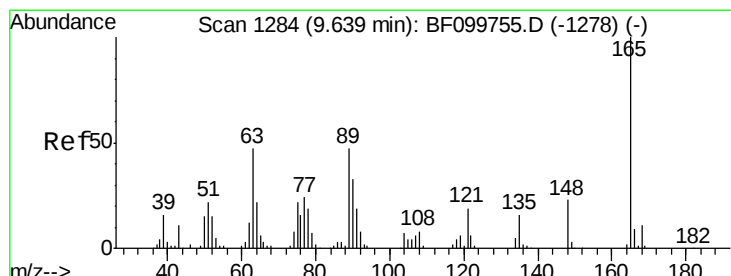
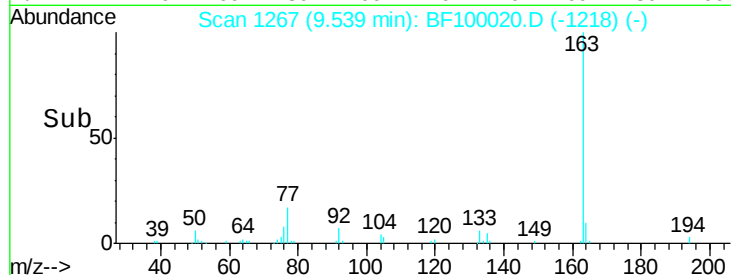
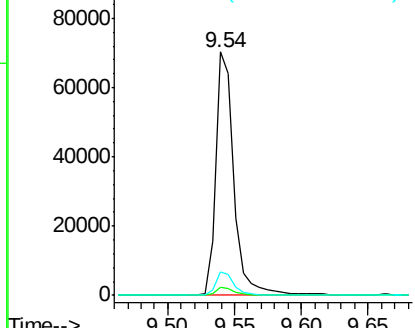
#49
Dimethylphthalate
Concen: 5.07 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF100020.D
Acq: 31 Oct 2017 22:42

Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILL

Tgt Ion:163 Resp: 67652
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.7 8.2 12.2

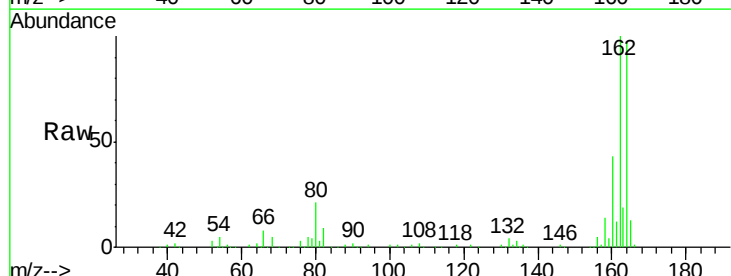


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

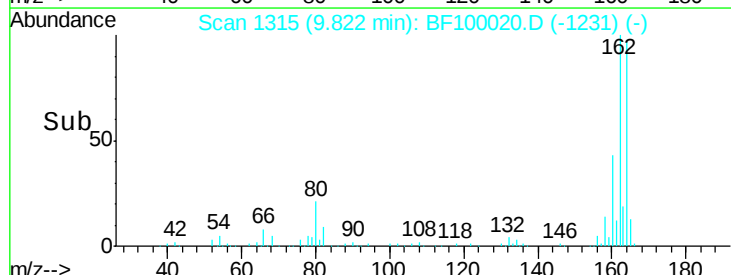
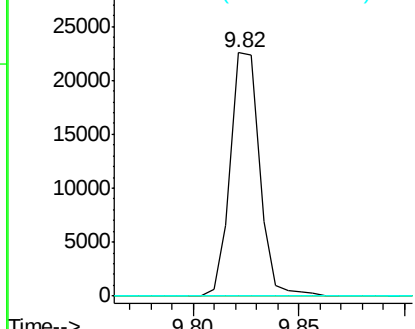


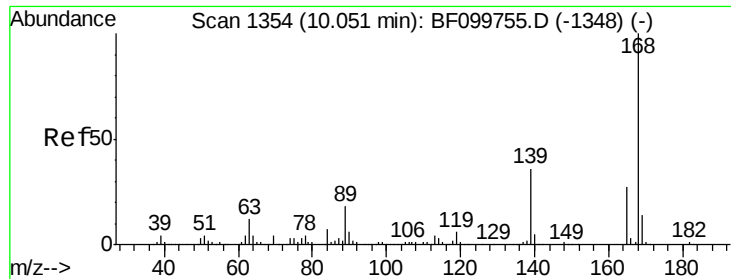
#50
2,6-Dinitrotoluene
Concen: 7.71 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.19 min
Lab File: BF100020.D
Acq: 31 Oct 2017 22:42

Tgt Ion:165 Resp: 21612
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

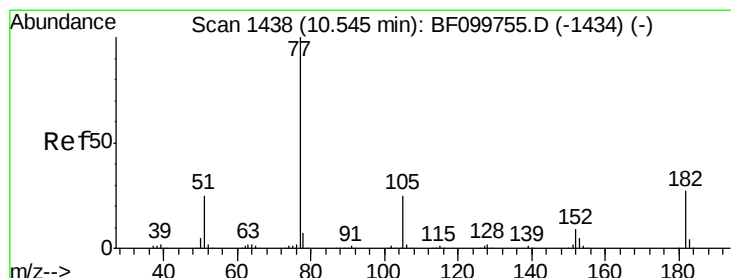
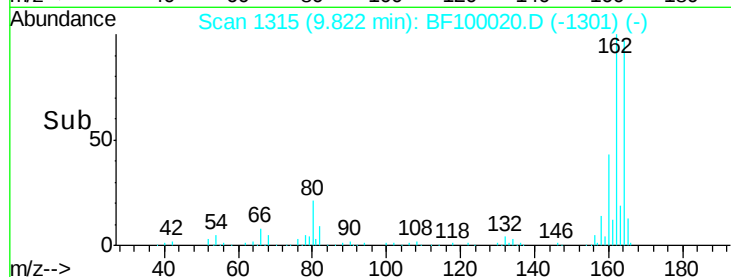
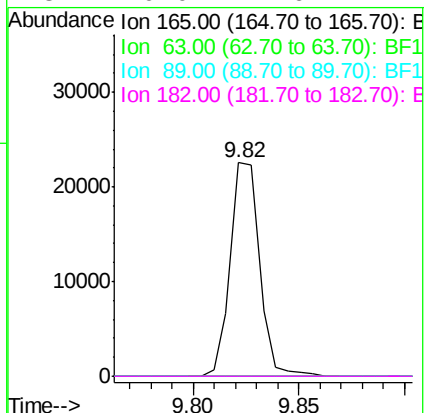
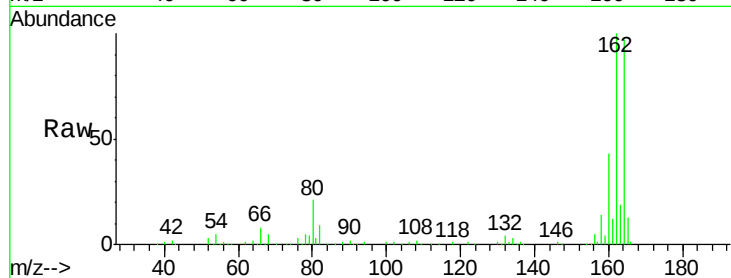




#56
 2,4-Dinitrotoluene
 Concen: 6.40 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF100020.D
 Acq: 31 Oct 2017 22:42

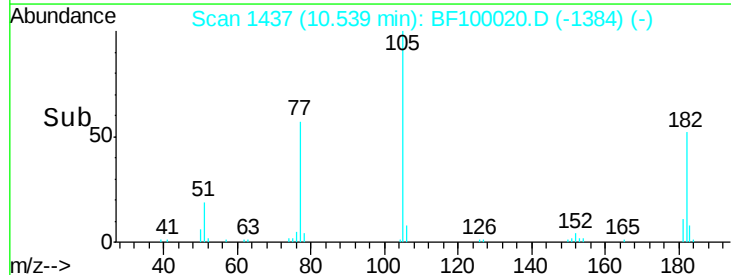
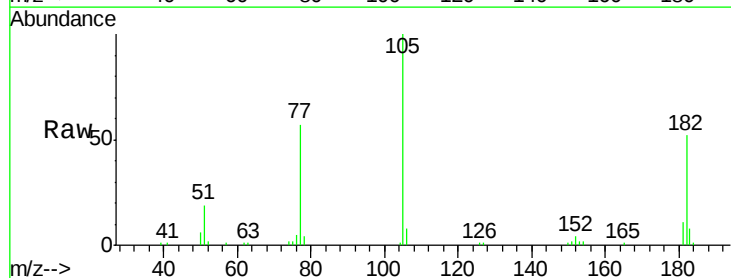
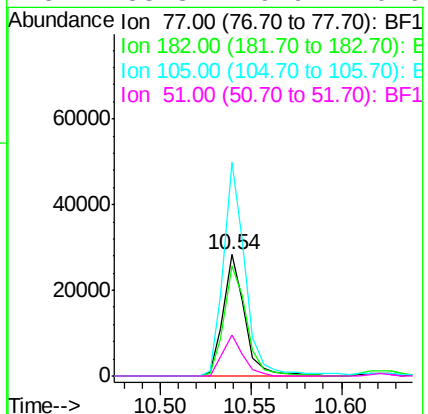
Instrument :
 BNA_F
 ClientSampleId :
 Q4-COMP-FILL

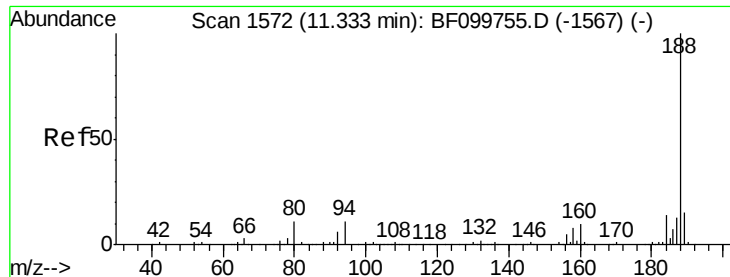
Tgt Ion: 165 Resp: 21612
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#



#62
 Azobenzene
 Concen: 2.16 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.01 min
 Lab File: BF100020.D
 Acq: 31 Oct 2017 22:42

Tgt Ion: 77 Resp: 23556
 Ion Ratio Lower Upper
 77 100
 182 90.8 1.7 41.7#
 105 175.7 3.0 43.0#
 51 33.3 9.9 49.9

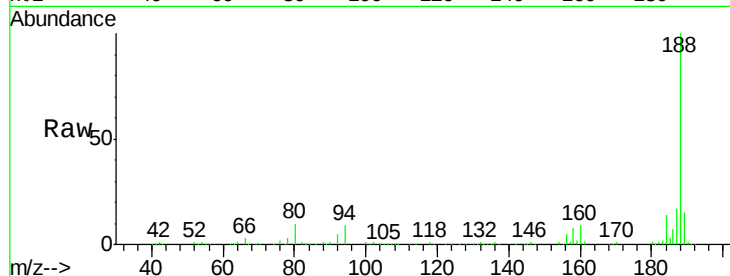




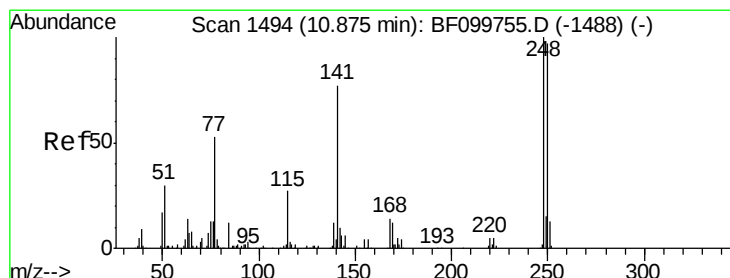
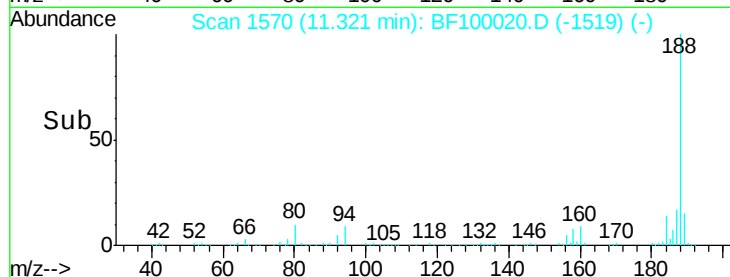
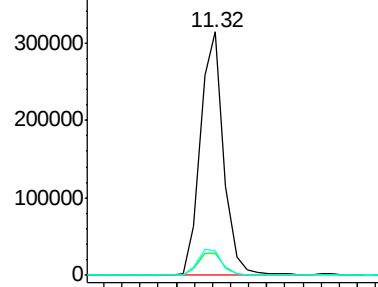
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF100020.D
Acq: 31 Oct 2017 22:42

Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILL

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.0	9.2	13.8

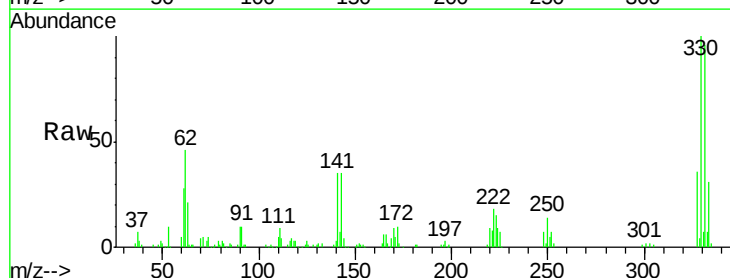


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

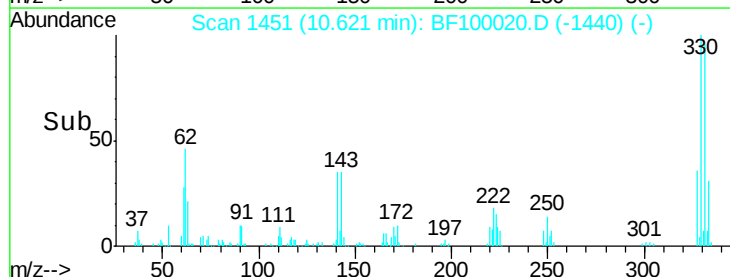
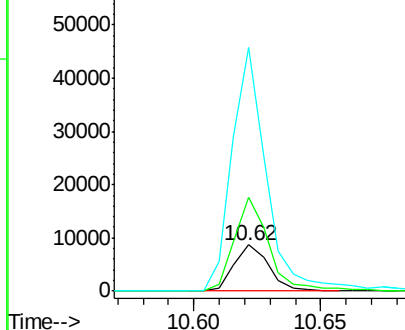


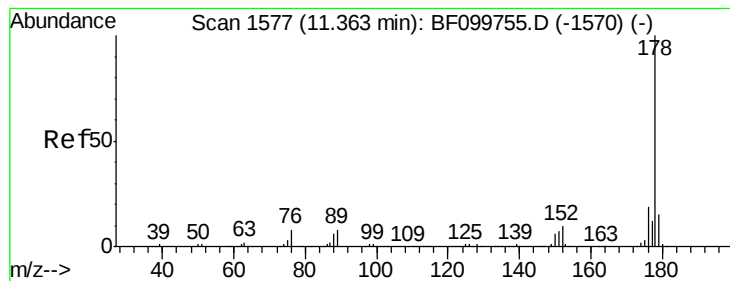
#66
4-Bromophenyl-phenylether
Concen: 2.79 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.24 min
Lab File: BF100020.D
Acq: 31 Oct 2017 22:42

Tgt Ion	Ratio	Lower	Upper
248	100		
250	201.5	76.9	115.3#
141	524.0	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: 2.27 ng

RT: 11.34 min Scan# 1574

Delta R.T. -0.00 min

Lab File: BF100020.D

Acq: 31 Oct 2017 22:42

Instrument :

BNA_F

ClientSampleId :

Q4-COMP-FILL

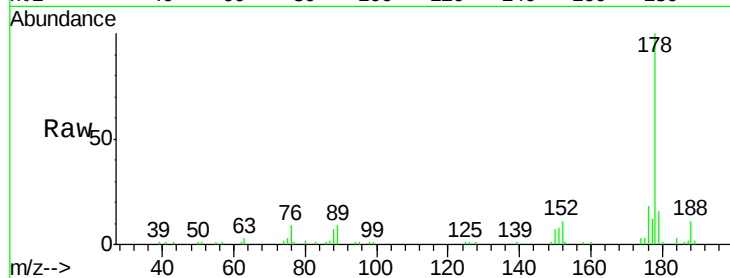
Tgt Ion:178 Resp: 36114

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

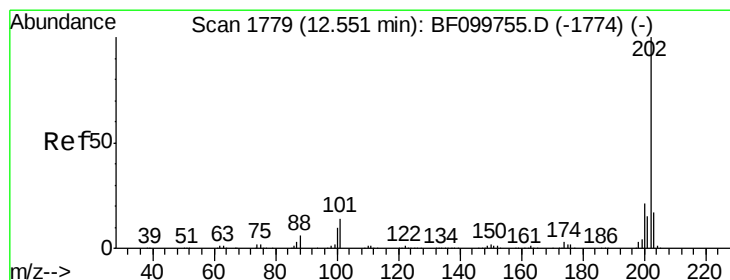
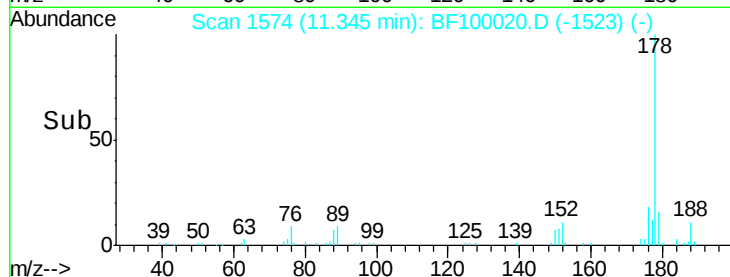
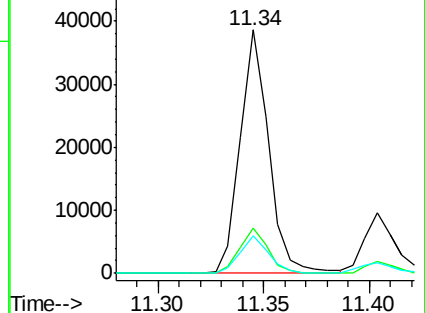
179 15.6 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.03 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF100020.D

Acq: 31 Oct 2017 22:42

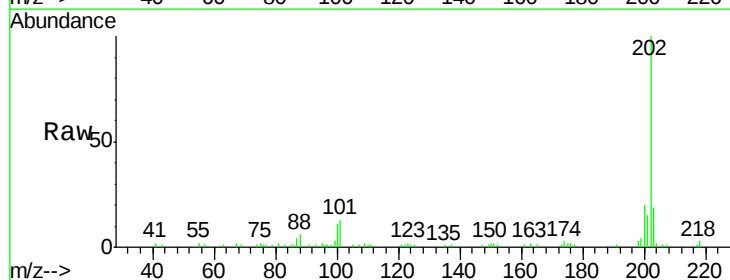
Tgt Ion:202 Resp: 49984

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

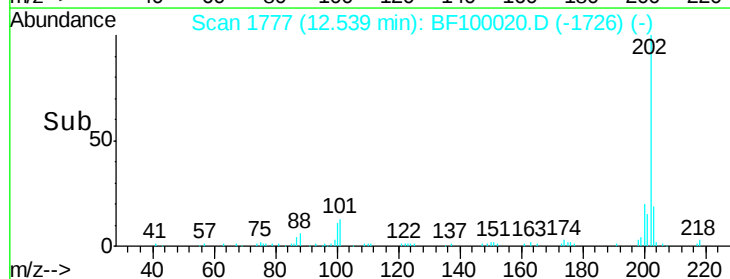
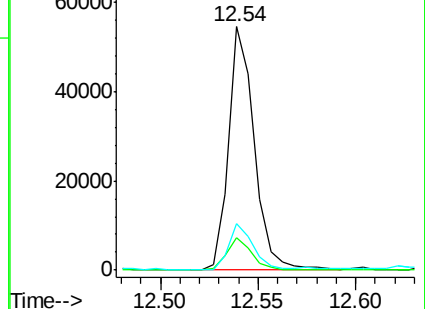
203 19.2 0.0 38.1

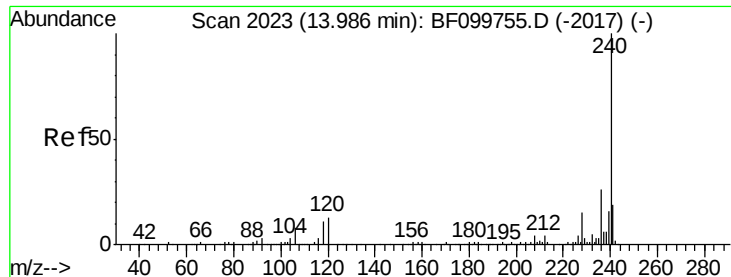


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF100020.D

Acq: 31 Oct 2017 22:42

Instrument :

BNA_F

ClientSampleId :

Q4-COMP-FILL

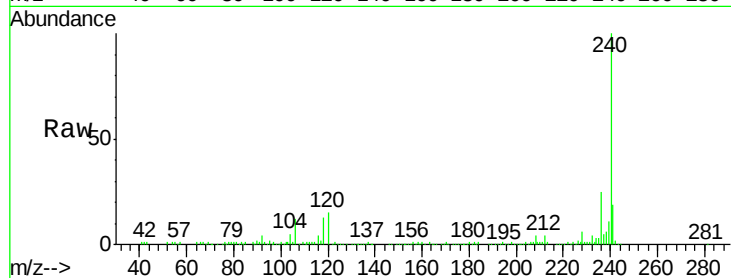
Tgt Ion:240 Resp: 161748

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

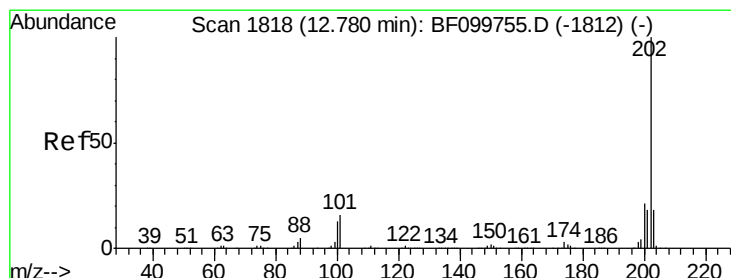
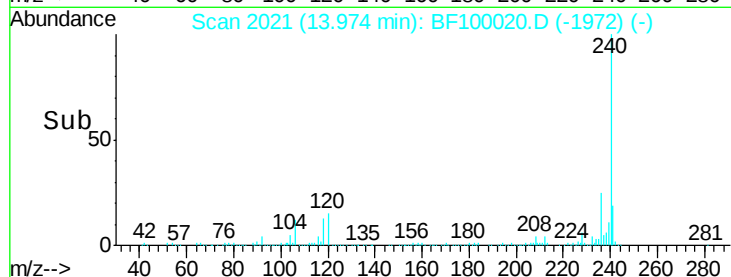
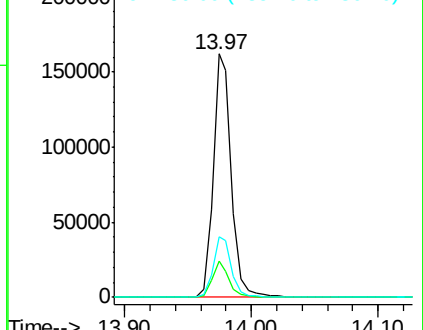
236 25.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.58 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BF100020.D

Acq: 31 Oct 2017 22:42

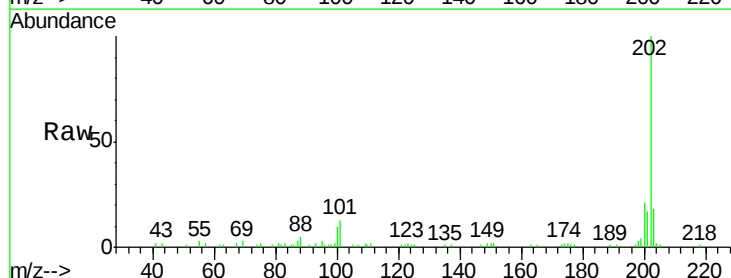
Tgt Ion:202 Resp: 44025

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

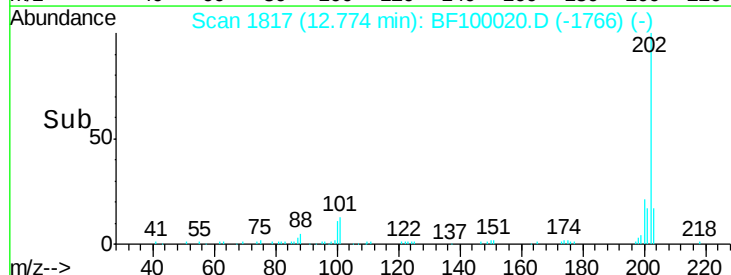
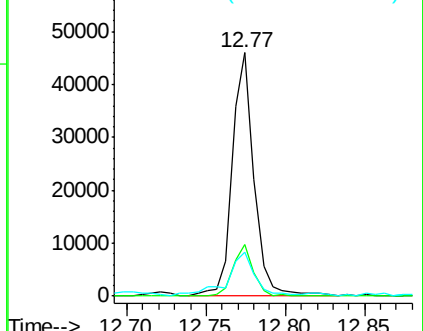
203 18.2 14.3 21.5

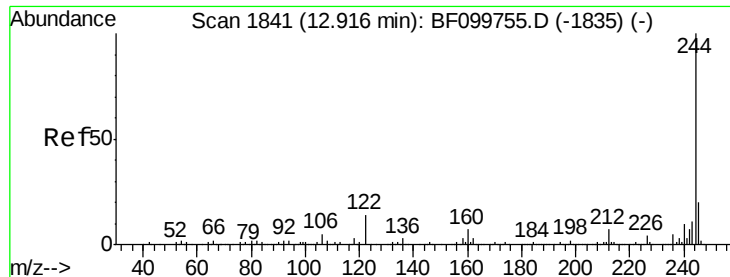


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 73.00 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF100020.D

Acq: 31 Oct 2017 22:42

Instrument :

BNA_F

ClientSampleId :

Q4-COMP-FILL

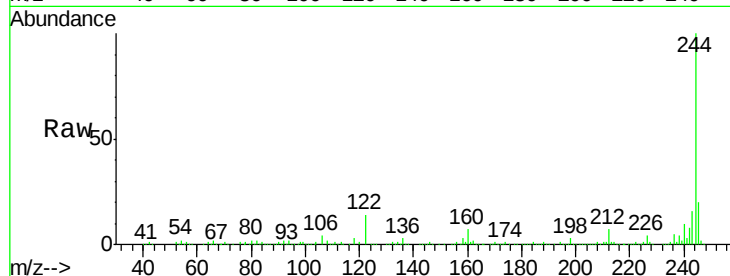
Tgt Ion:244 Resp: 540331

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

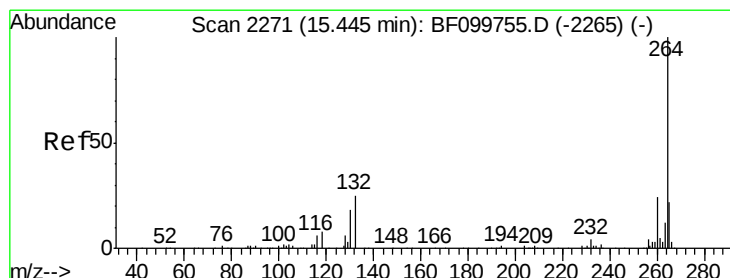
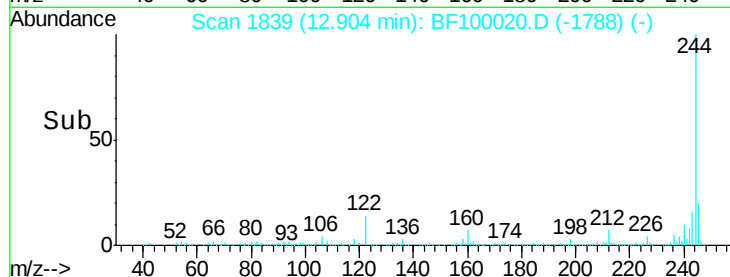
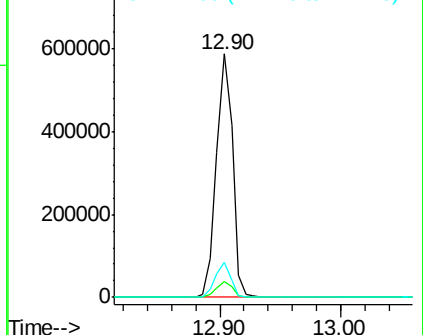
122 14.3 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF100020.D

Acq: 31 Oct 2017 22:42

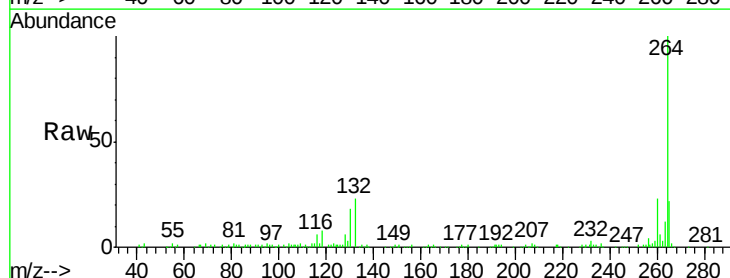
Tgt Ion:264 Resp: 167429

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

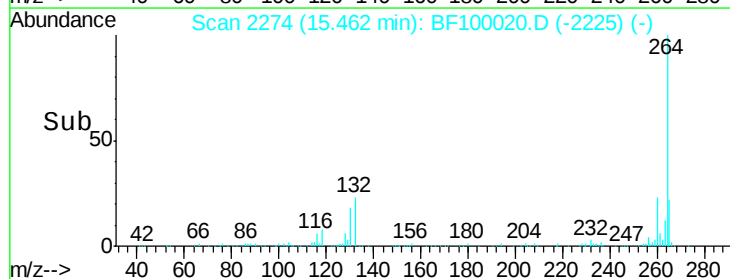
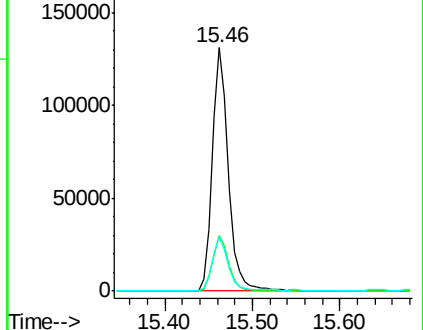
265 22.4 17.5 26.3

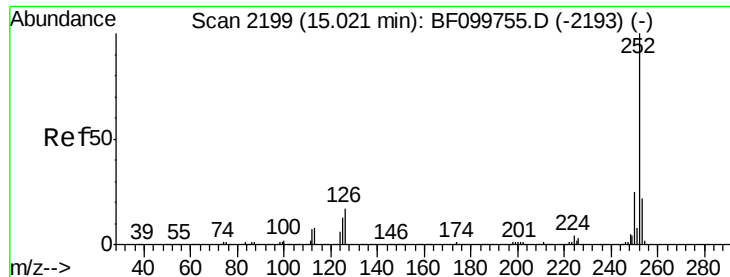


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

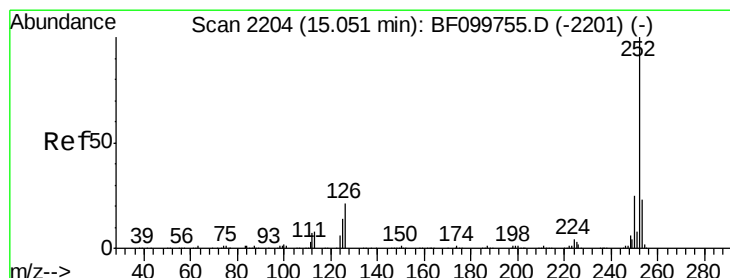
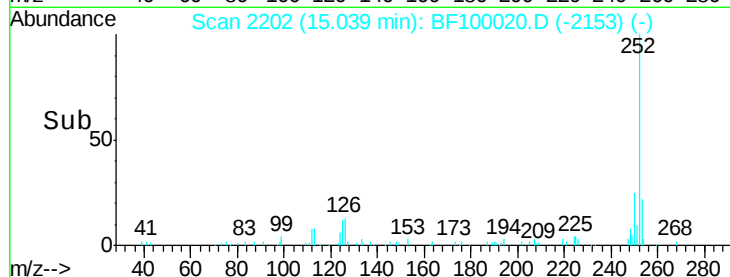
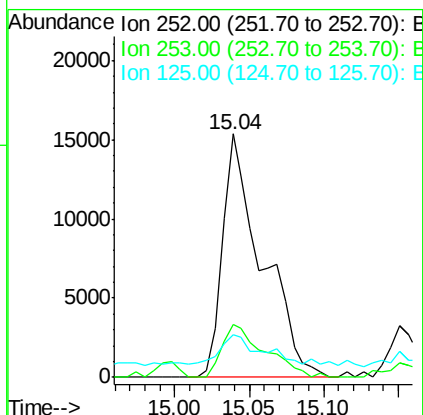
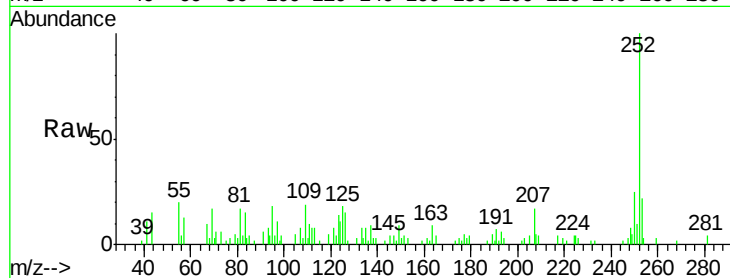




#87
Benzo(b)fluoranthene
Concen: 2.69 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF100020.D
Acq: 31 Oct 2017 22:42

Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILL

Tgt Ion:252 Resp: 28387
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 17.6 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.85 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF100020.D
Acq: 31 Oct 2017 22:42

Tgt Ion:252 Resp: 28387
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 17.6 10.2 15.2#

