

Data File : BF100030.D
Acq On : 1 Nov 2017 6:28
Operator : SJ/JU
Sample : I6201-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 01 08:43:51 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	87459	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	362658	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	168361	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	290407	20.00	ng	0.00
75) Chrysene-d12	13.98	240	170079	20.00	ng	0.00
86) Perylene-d12	15.48	264	152381	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	508816	91.34	ng	0.00
7) Phenol-d6	6.43	99	616118	93.28	ng	0.00
23) Nitrobenzene-d5	7.36	82	337780	59.96	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	130264	84.90	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	704048	64.52	ng	0.00
78) Terphenyl-d14	12.90	244	536549	68.94	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.56	77	8951	2.27	ng	86
10) Phenol	6.45	94	34772	4.79	ng	90
19) n-Nitroso-di-n-propylamine	7.36	70	42030	10.86	ng	# 72
25) Isophorone	7.36	82	337780	33.05	ng	# 64
49) Dimethylphthalate	9.54	163	119711	8.98	ng	99
56) 2,4-Dinitrotoluene	9.82	165	21294	6.31	ng	# 21
66) 4-Bromophenyl-phenylether	10.62	248	8118	2.66	ng	# 1
70) Phenanthrene	11.35	178	74962	4.57	ng	97
74) Fluoranthene	12.54	202	118270	6.94	ng	99
77) Pyrene	12.77	202	91388	7.07	ng	98
80) Benzo(a)anthracene	13.97	228	44651	4.14	ng	95
82) Chrysene	14.01	228	37936	3.74	ng	97
85) Indeno(1,2,3-cd)pyrene	17.00	276	23296	2.50	ng	99
87) Benzo(b)fluoranthene	15.06	252	64943	6.75	ng	97
88) Benzo(k)fluoranthene	15.06	252	64943	7.16	ng	99
89) Benzo(a)pyrene	15.43	252	34063	3.94	ng	100
91) Benzo(g,h,i)perylene	17.46	276	22570	3.00	ng	96

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

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Operator : SJ/JU

Sample : I6201-03

Misc :

ALS Vial : 31 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

DFTPP

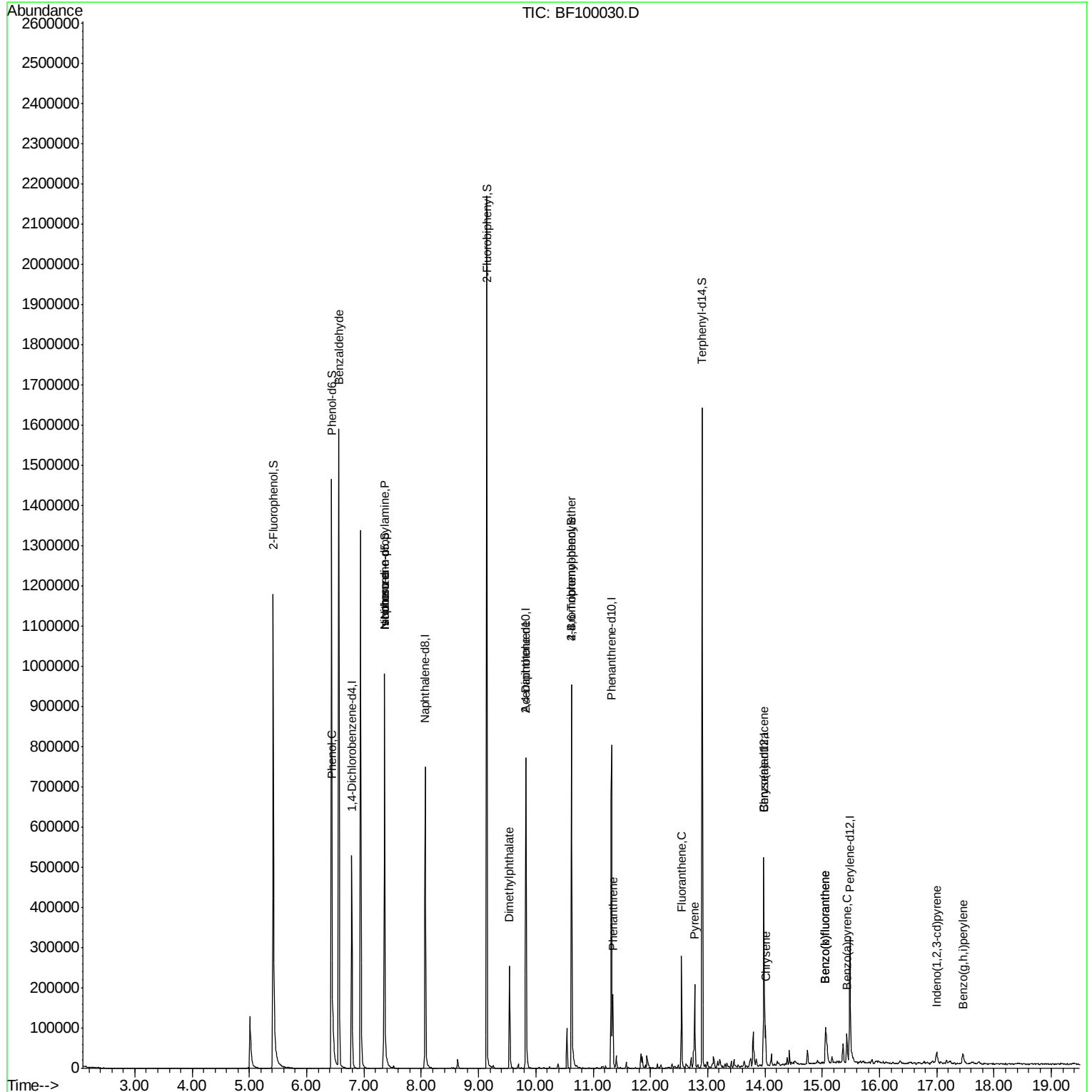
Quant Time: Nov 01 08:43:51 2017

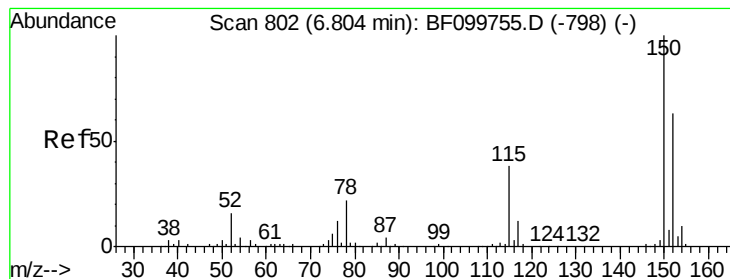
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

Instrument :

BNA_F

ClientSampleId :

DFTPP

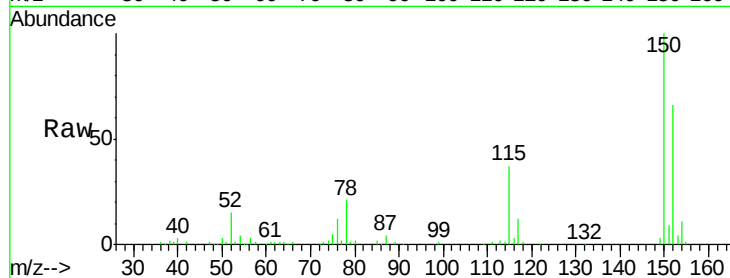
Tgt Ion:152 Resp: 87459

Ion Ratio Lower Upper

152 100

150 151.1 124.6 186.8

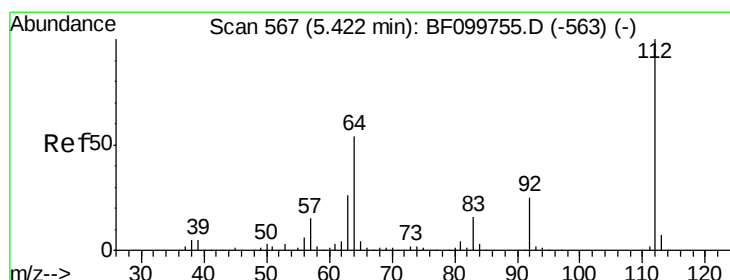
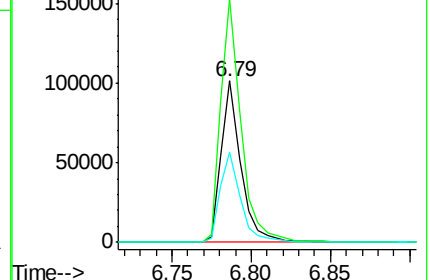
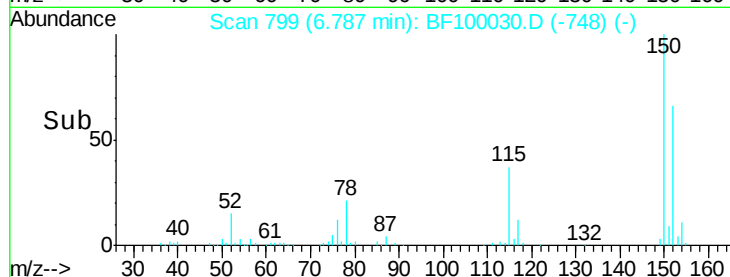
115 55.8 50.1 75.1



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: 91.34 ng

RT: 5.41 min Scan# 565

Delta R.T. 0.01 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

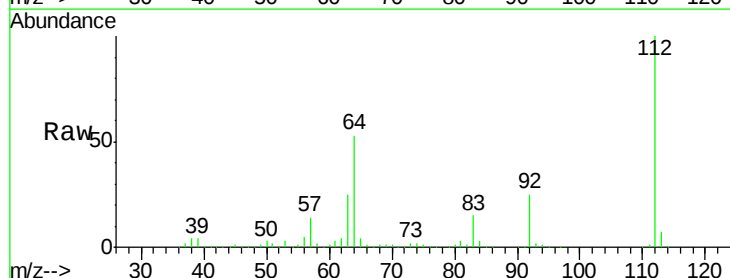
Tgt Ion:112 Resp: 508816

Ion Ratio Lower Upper

112 100

64 52.9 47.9 71.9

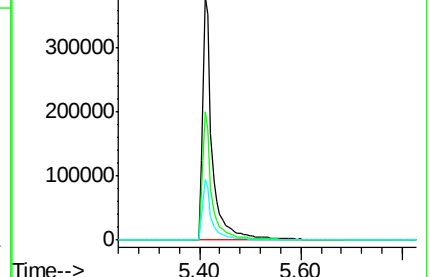
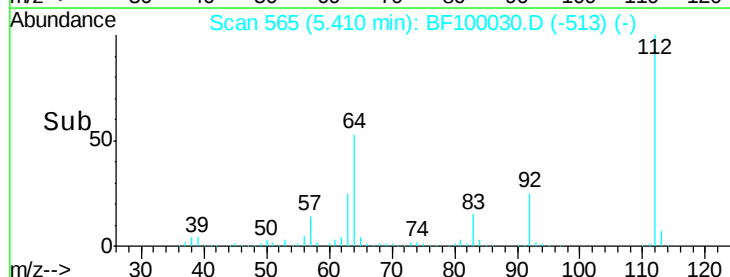
63 25.1 23.7 35.5

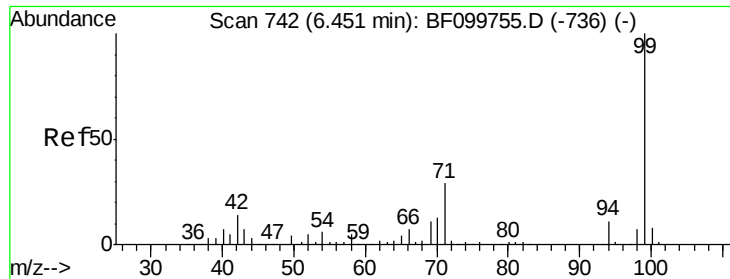


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.28 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

Instrument :

BNA_F

ClientSampleId :

DFTPP

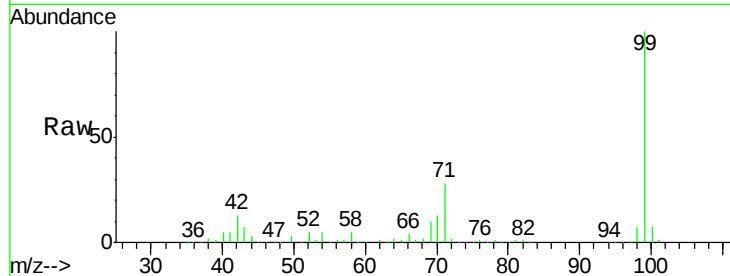
Tgt Ion: 99 Resp: 616118

Ion Ratio Lower Upper

99 100

42 12.9 14.5 21.7#

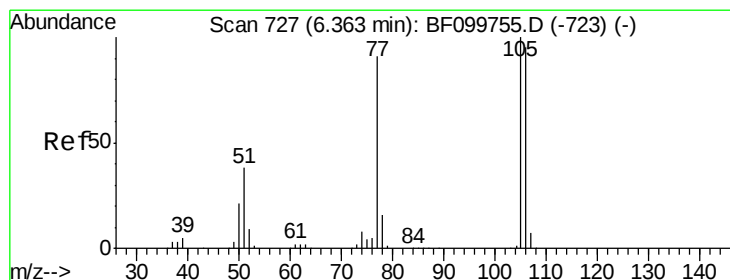
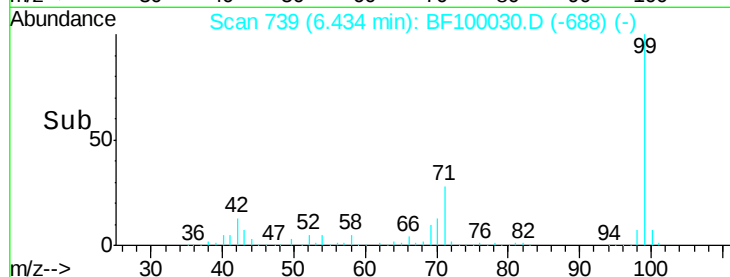
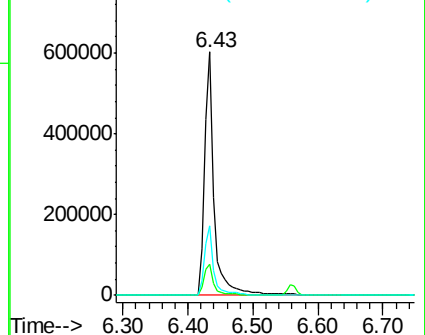
71 28.3 25.4 38.0



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: 2.27 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.21 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

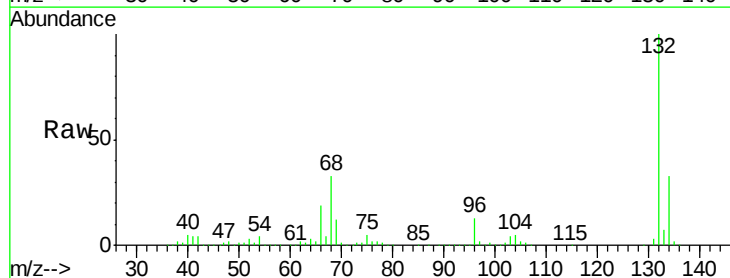
Tgt Ion: 77 Resp: 8951

Ion Ratio Lower Upper

77 100

105 86.2 81.1 121.1

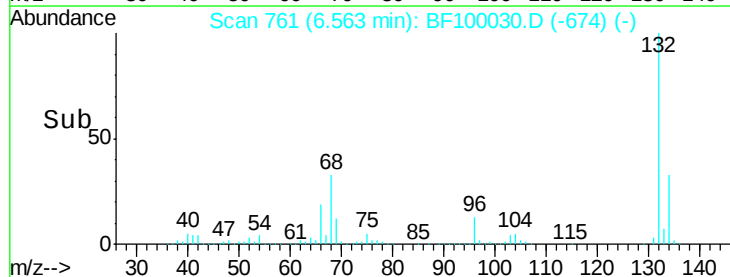
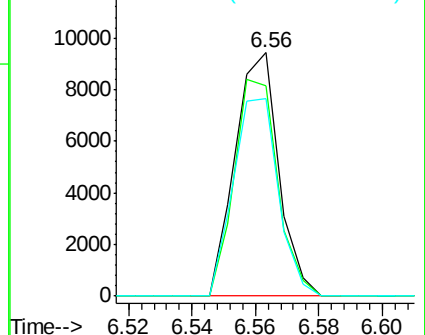
106 81.4 74.5 114.5

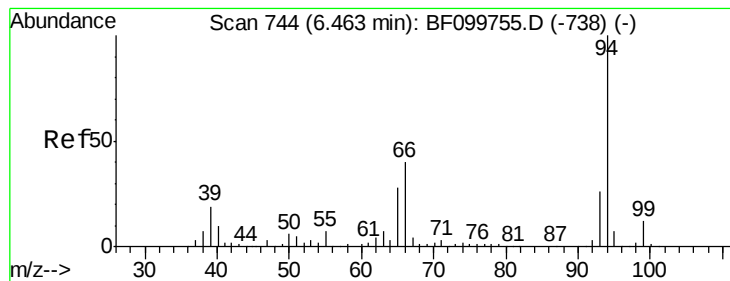


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.79 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

Instrument :

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ClientSampleId :

DFTPP

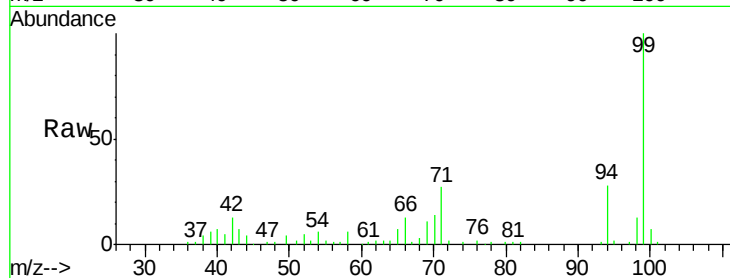
Tgt Ion: 94 Resp: 34772

Ion Ratio Lower Upper

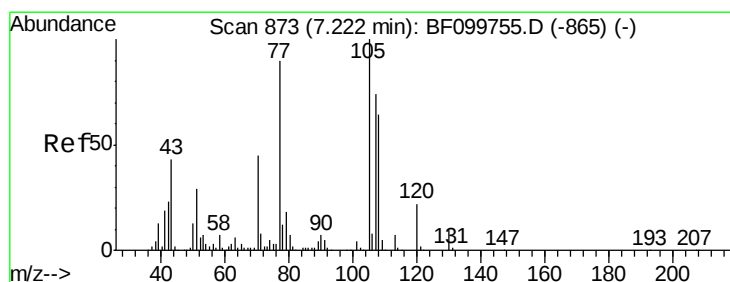
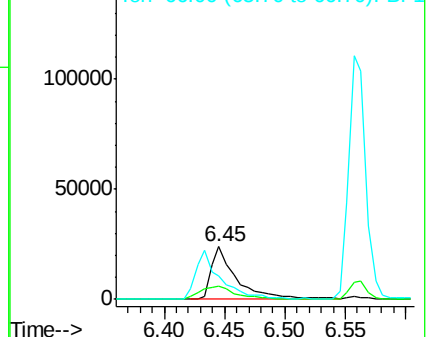
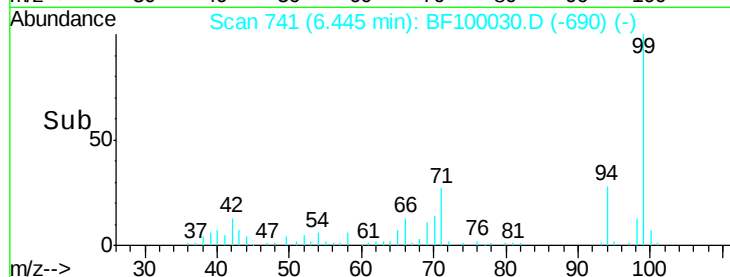
94 100

65 25.3 7.9 47.9

66 44.6 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: 10.86 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

Tgt Ion: 70 Resp: 42030

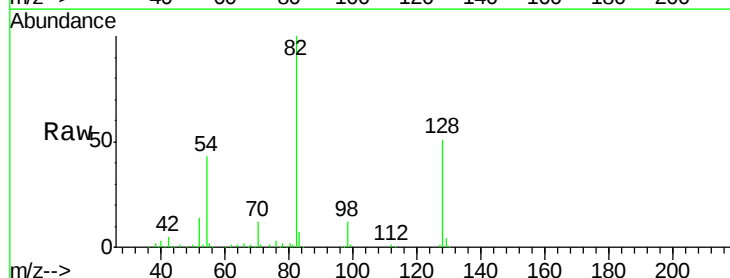
Ion Ratio Lower Upper

70 100

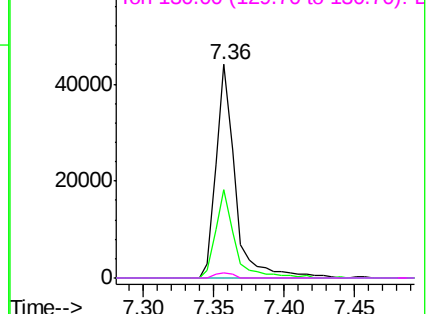
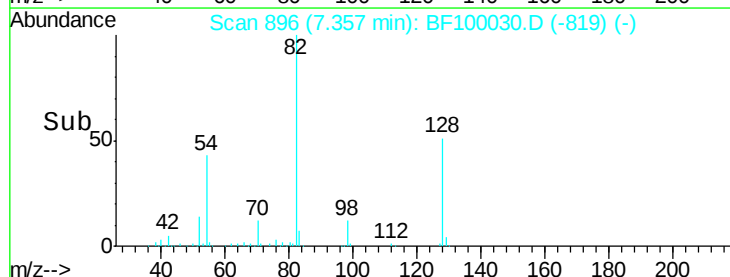
42 41.2 47.5 71.3#

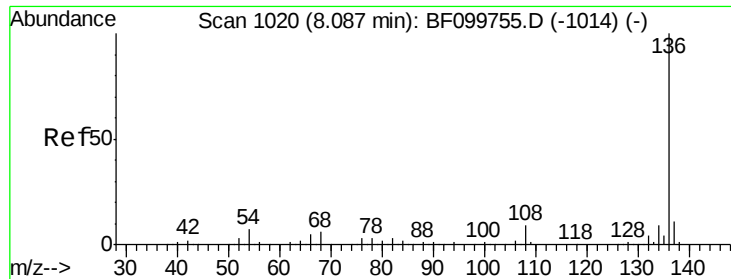
101 0.0 7.4 11.2#

130 2.7 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

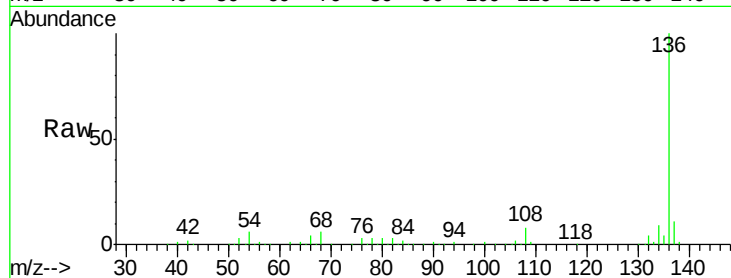




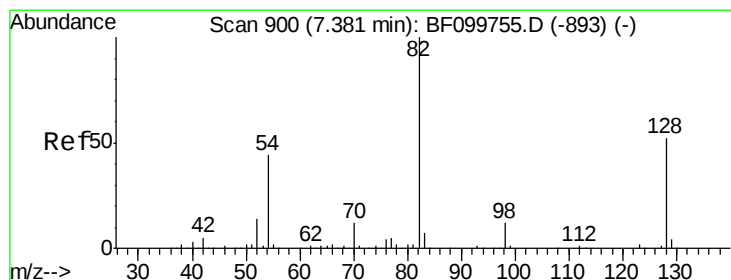
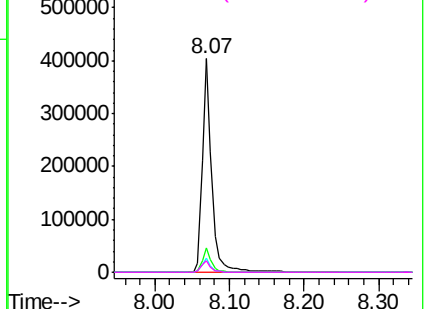
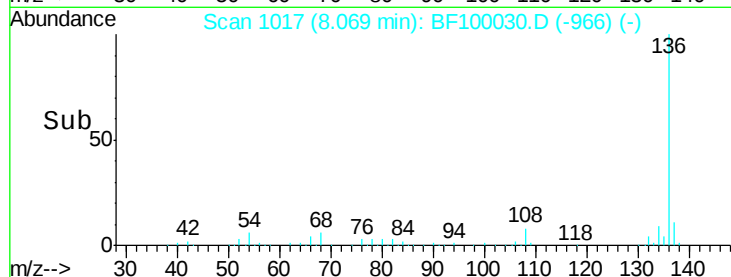
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF100030.D
Acq: 1 Nov 2017 6:28

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion:	136	Resp:	362658
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.3	6.6	9.8#
68	5.6	5.0	7.4

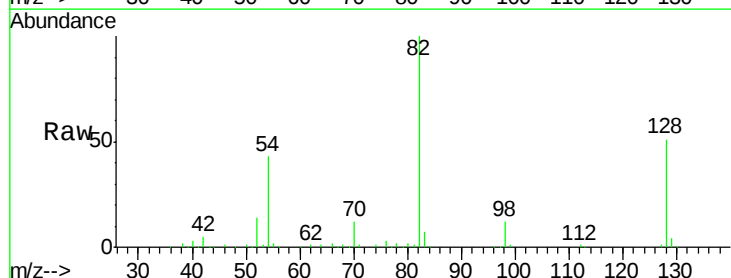


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

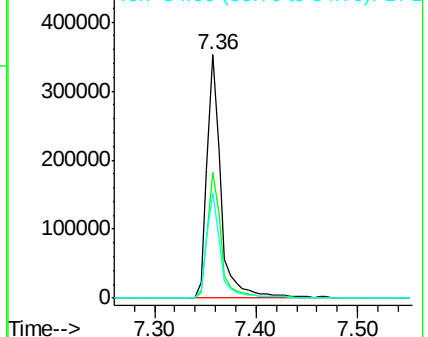
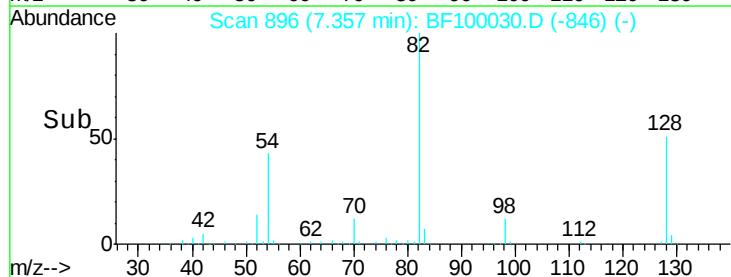


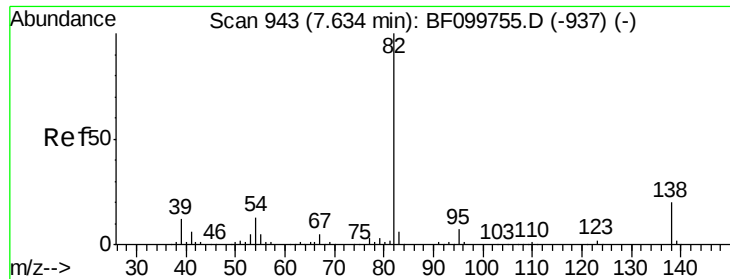
#23
Nitrobenzene-d5
Concen: 59.96 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF100030.D
Acq: 1 Nov 2017 6:28

Tgt Ion:	82	Resp:	337780
Ion	Ratio	Lower	Upper
82	100		
128	51.5	36.1	54.1
54	43.3	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.05 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

Instrument :

BNA_F

ClientSampleId :

DFTPP

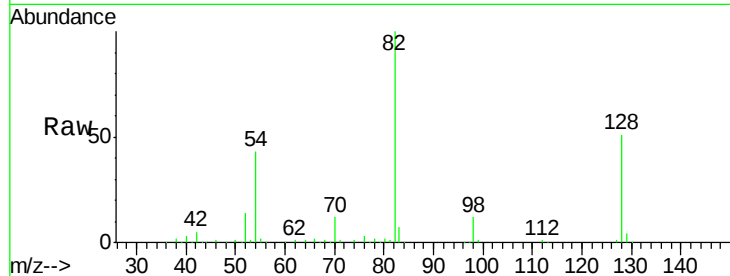
Tgt Ion: 82 Resp: 337780

Ion Ratio Lower Upper

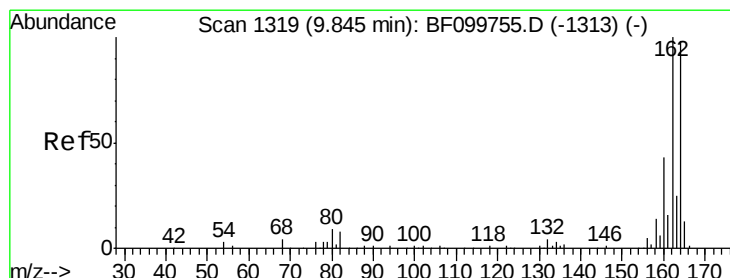
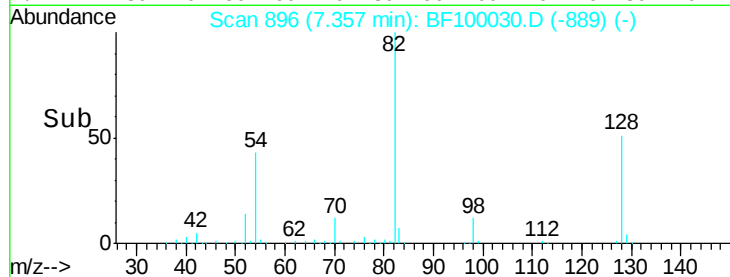
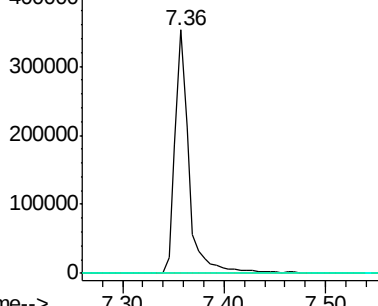
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

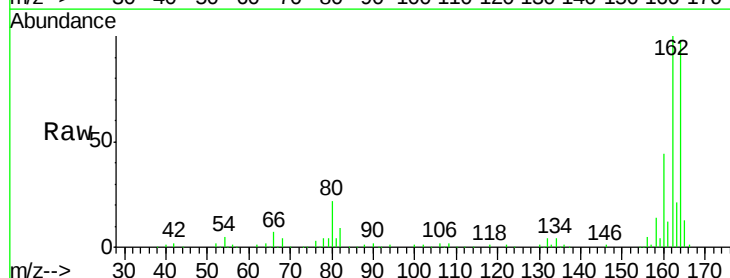
Tgt Ion: 164 Resp: 168361

Ion Ratio Lower Upper

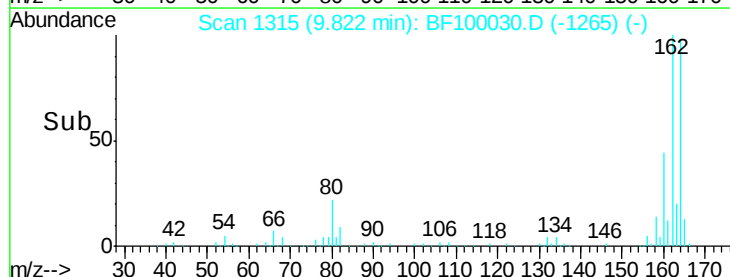
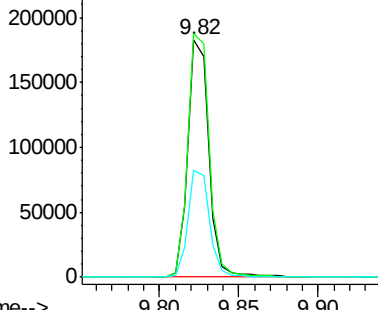
164 100

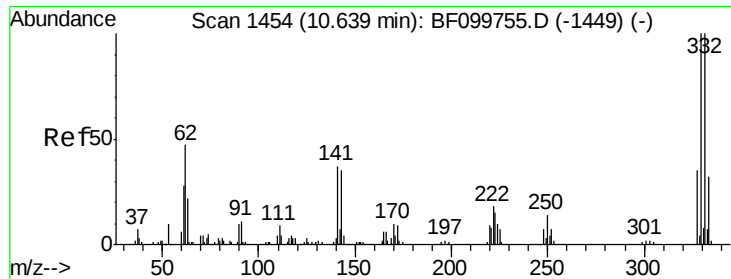
162 102.4 86.1 129.1

160 44.7 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

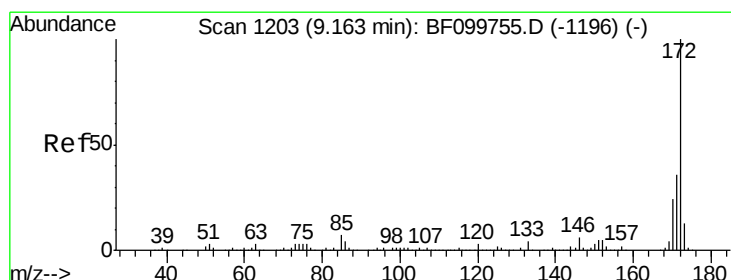
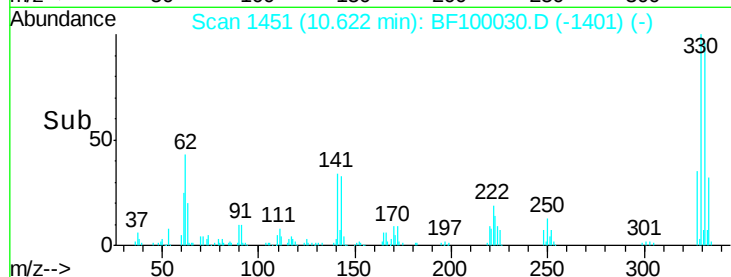
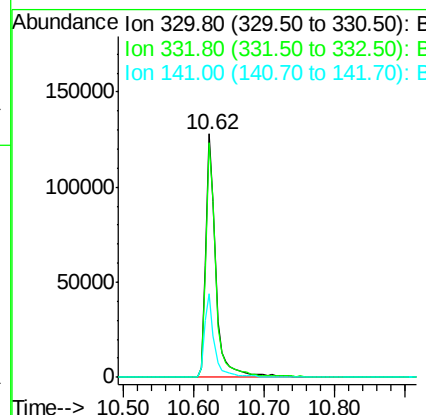
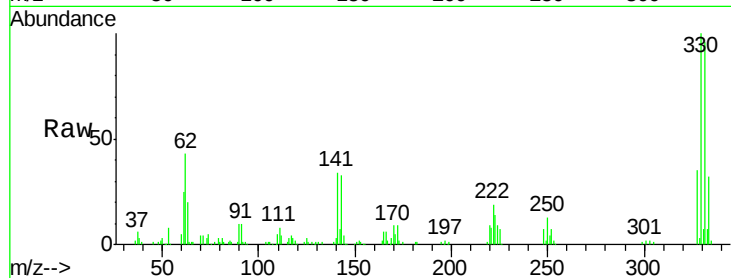




#41
 2,4,6-Tribromophenol
 Concen: 84.90 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF100030.D
 Acq: 1 Nov 2017 6:28

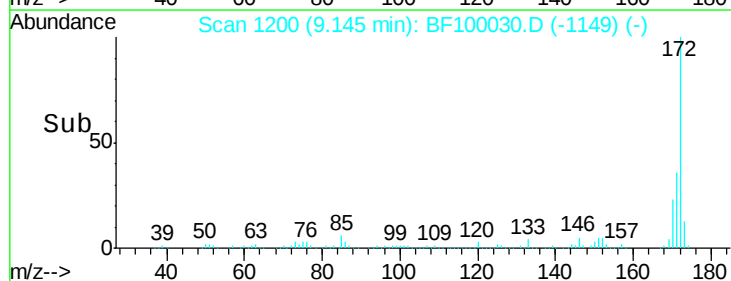
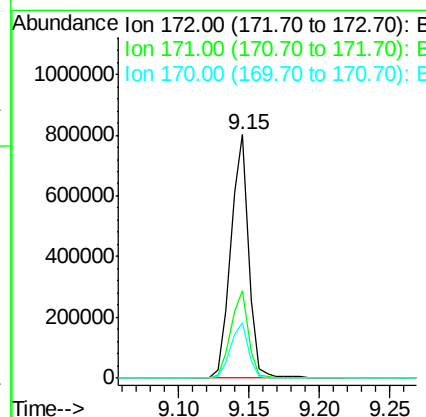
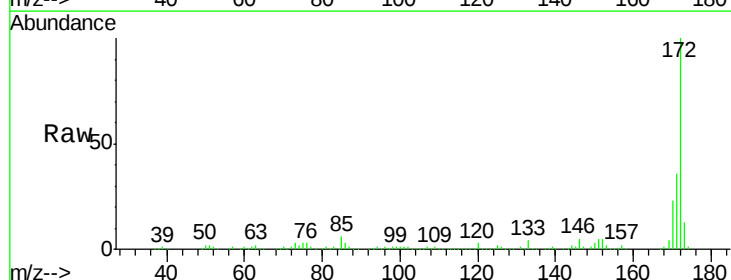
Instrument :
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 DFTPP

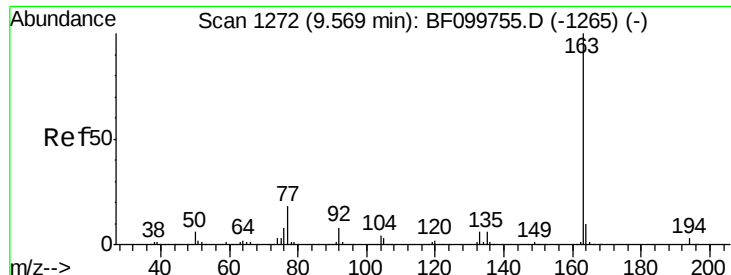
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	33.9	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 64.52 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF100030.D
 Acq: 1 Nov 2017 6:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.0	19.6	29.4

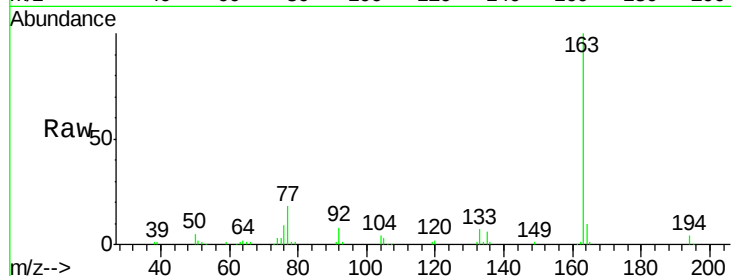




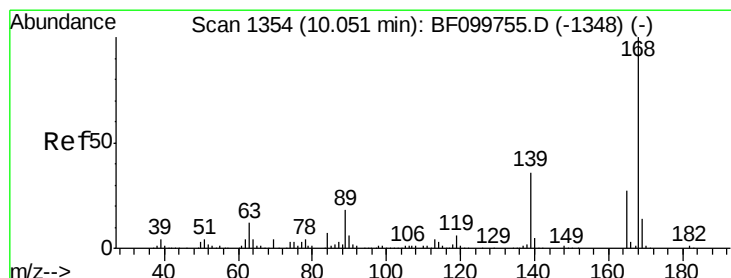
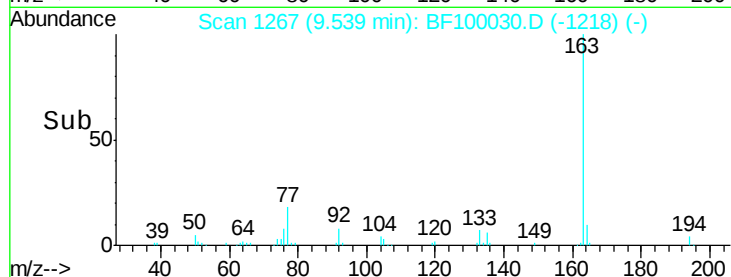
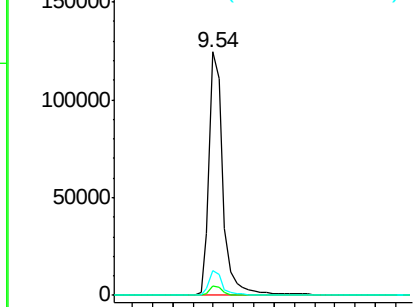
#49
Dimethylphthalate
Concen: 8.98 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF100030.D
Acq: 1 Nov 2017 6:28

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion:163 Resp: 119711
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.2 8.2 12.2

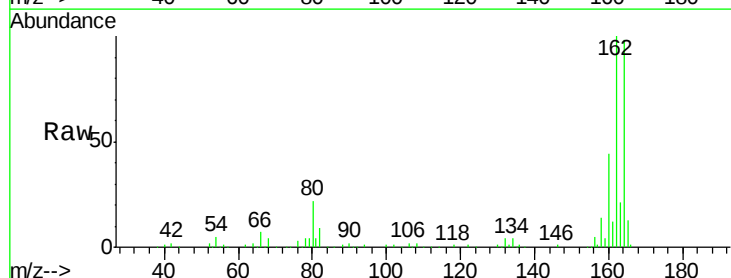


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

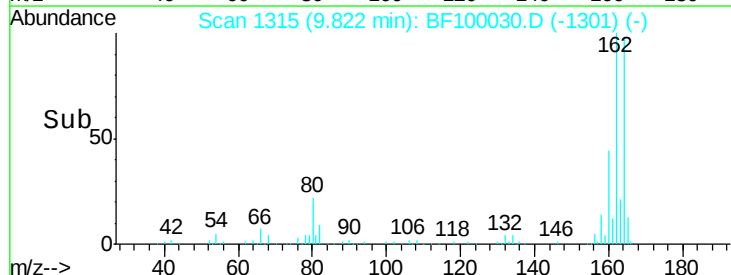
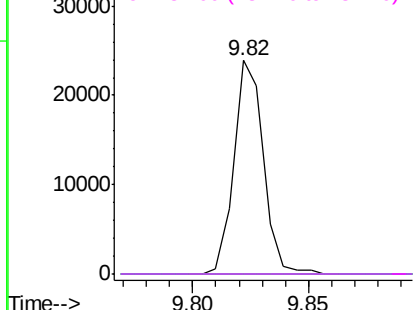


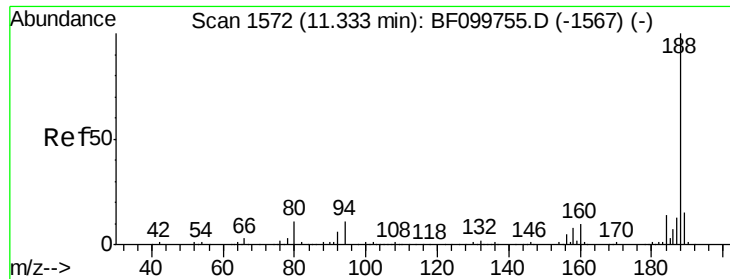
#56
2,4-Dinitrotoluene
Concen: 6.31 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.22 min
Lab File: BF100030.D
Acq: 1 Nov 2017 6:28

Tgt Ion:165 Resp: 21294
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

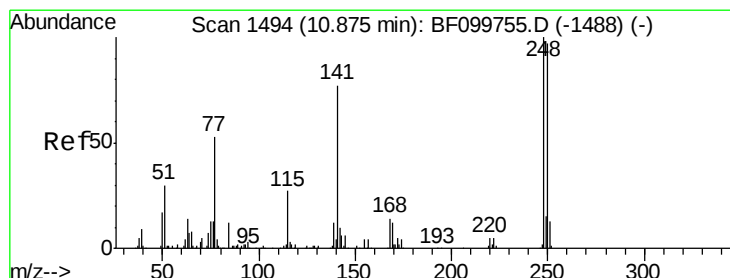
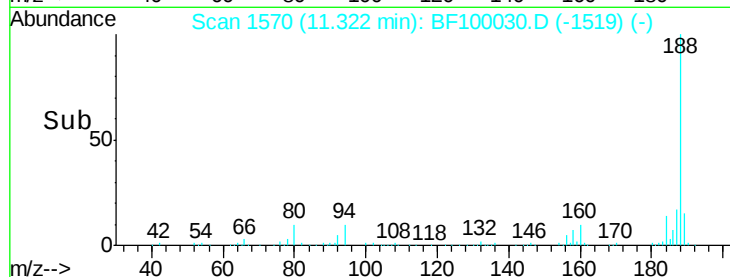
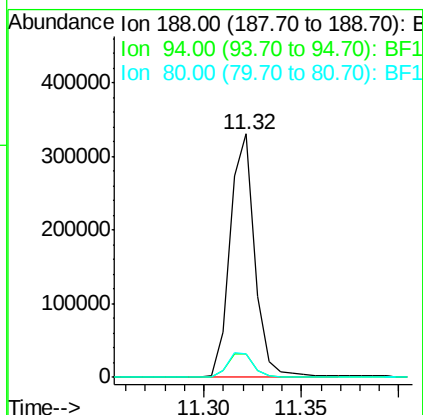
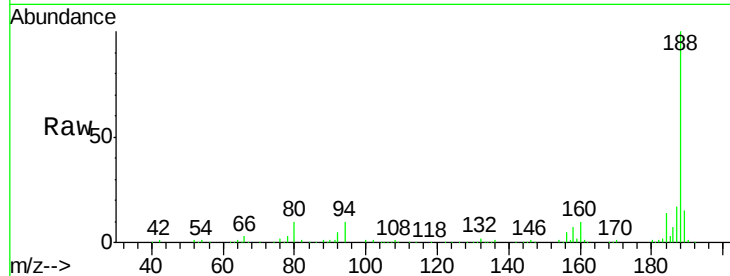




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF100030.D
Acq: 1 Nov 2017 6:28

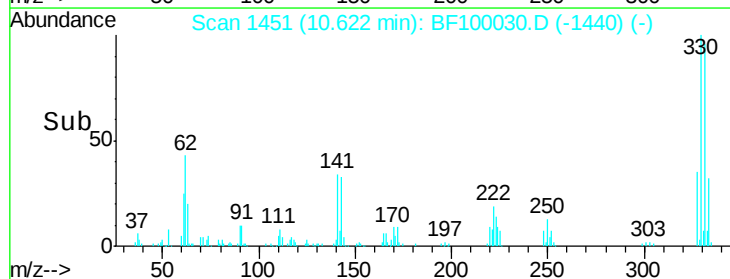
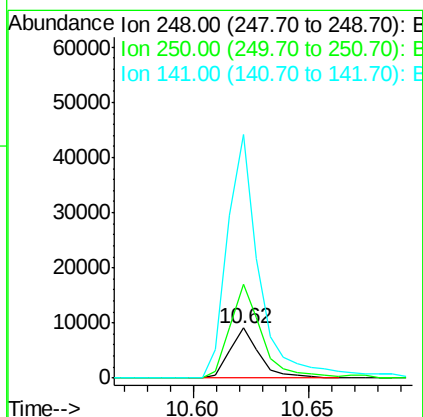
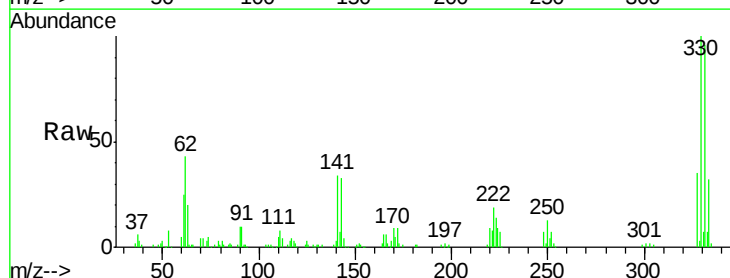
Instrument :
BNA_F
ClientSampleId :
DFTPP

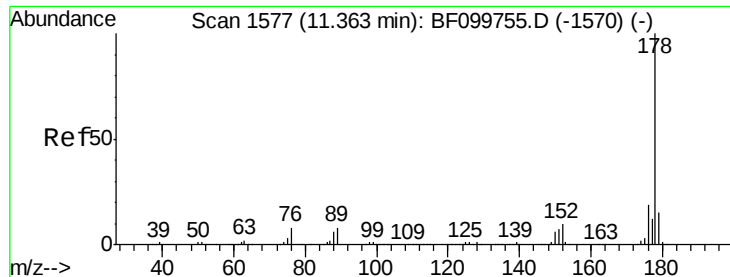
Tgt Ion:188 Resp: 290407
Ion Ratio Lower Upper
188 100
94 9.8 8.5 12.7
80 9.9 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.66 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.24 min
Lab File: BF100030.D
Acq: 1 Nov 2017 6:28

Tgt Ion:248 Resp: 8118
Ion Ratio Lower Upper
248 100
250 187.7 76.9 115.3#
141 489.1 74.4 111.6#

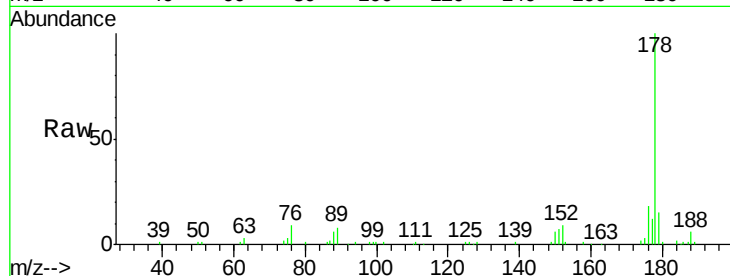




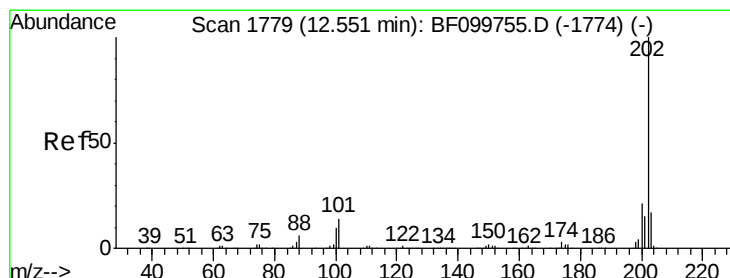
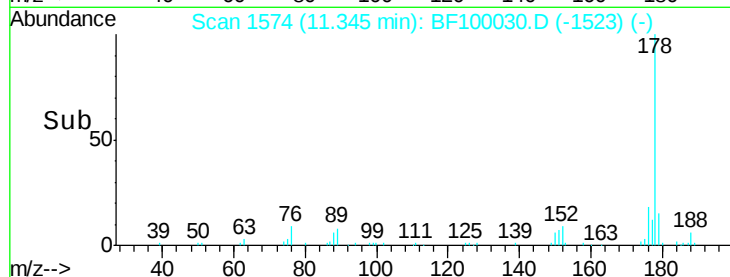
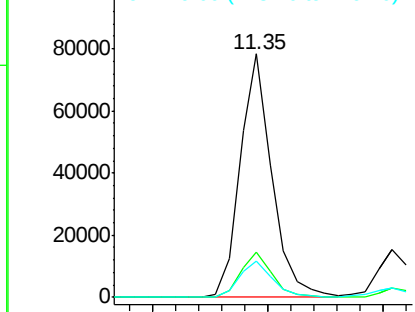
#70
Phenanthrene
Concen: 4.57 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF100030.D
Acq: 1 Nov 2017 6:28

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion:178 Resp: 74962
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.0 13.0 19.6

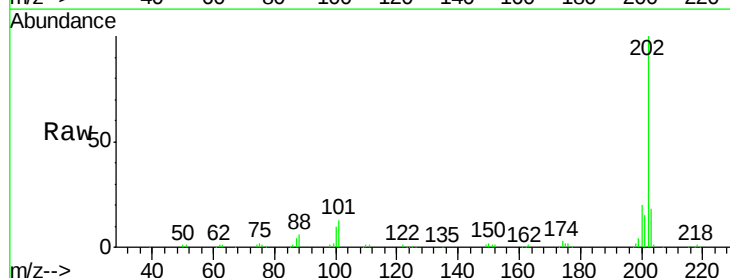


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

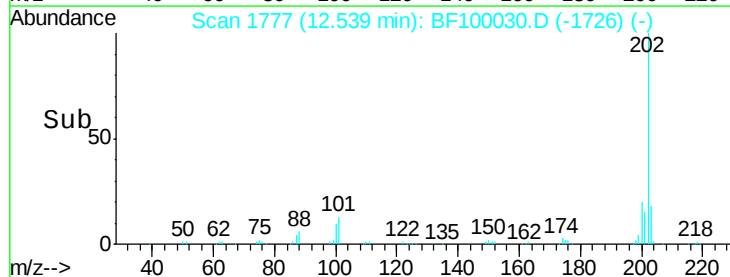
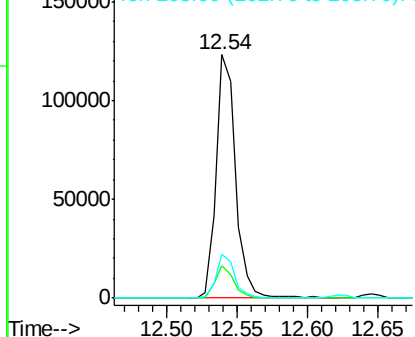


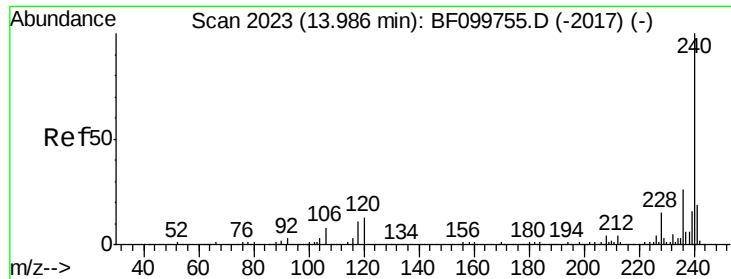
#74
Fluoranthene
Concen: 6.94 ng
RT: 12.54 min Scan# 1777
Delta R.T. 0.00 min
Lab File: BF100030.D
Acq: 1 Nov 2017 6:28

Tgt Ion:202 Resp: 118270
Ion Ratio Lower Upper
202 100
101 13.1 0.0 34.1
203 17.8 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

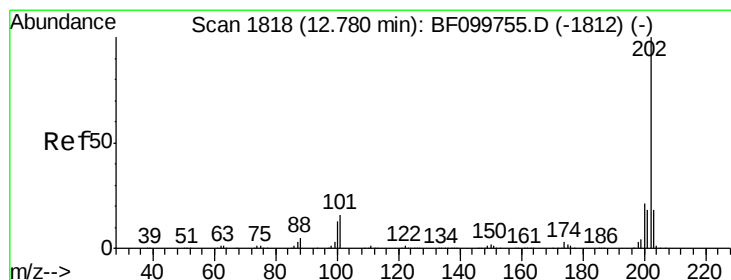
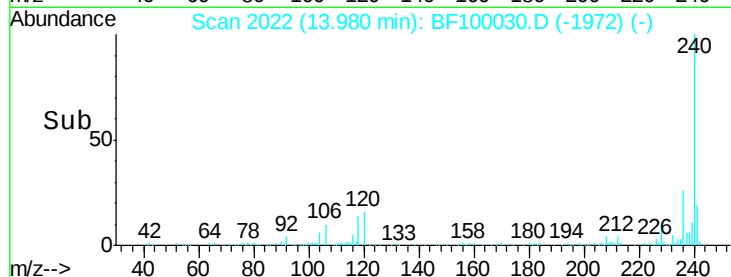
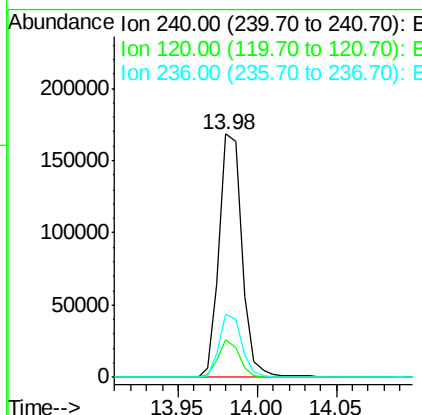
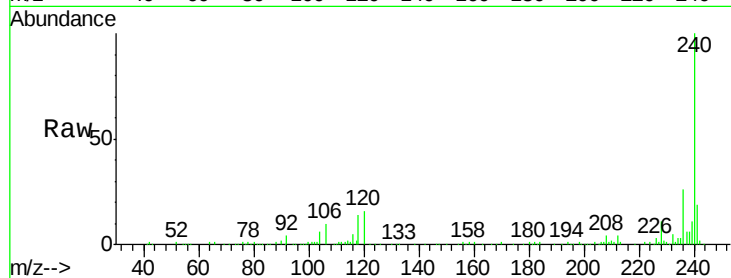




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF100030.D
Acq: 1 Nov 2017 6:28

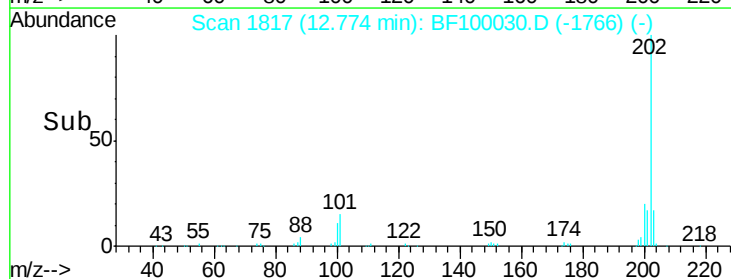
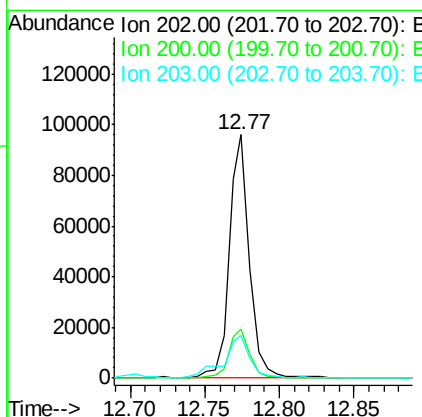
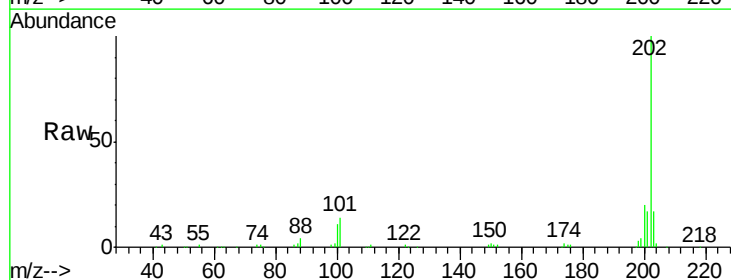
Instrument :
BNA_F
ClientSampleId :
DFTPP

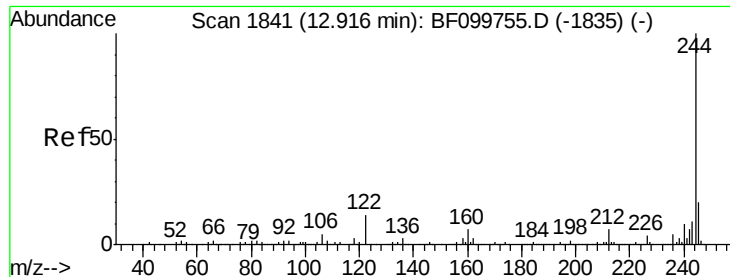
Tgt Ion:240 Resp: 170079
Ion Ratio Lower Upper
240 100
120 15.6 9.5 14.3#
236 25.9 20.7 31.1



#77
Pyrene
Concen: 7.07 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF100030.D
Acq: 1 Nov 2017 6:28

Tgt Ion:202 Resp: 91388
Ion Ratio Lower Upper
202 100
200 20.3 17.4 26.2
203 17.3 14.3 21.5





#78

Terphenyl-d14

Concen: 68.94 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

Instrument :

BNA_F

ClientSampleId :

DFTPP

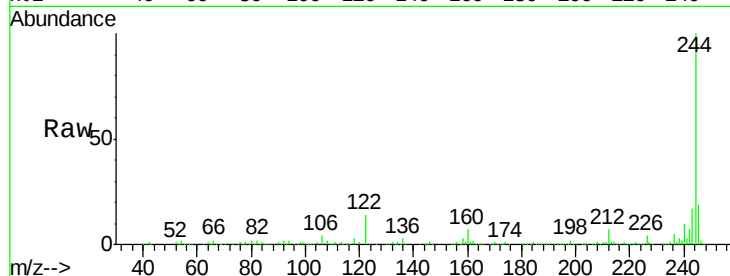
Tgt Ion:244 Resp: 536549

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

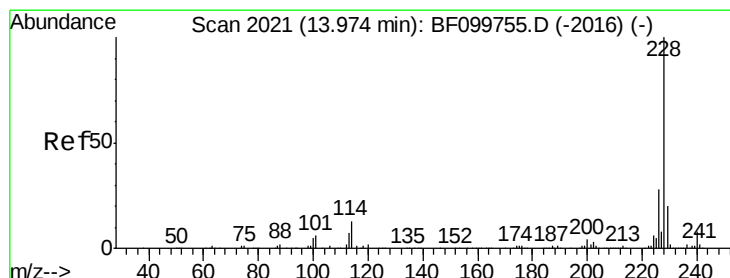
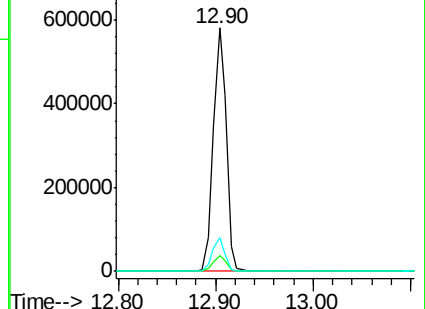
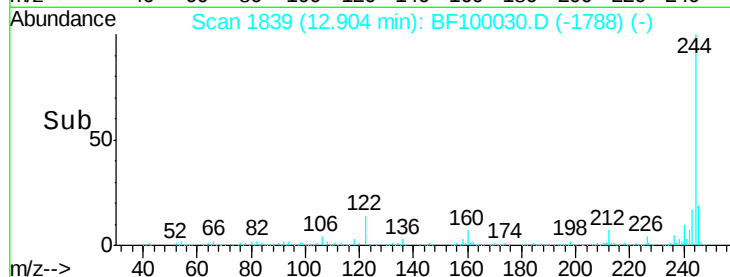
122 14.1 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.14 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

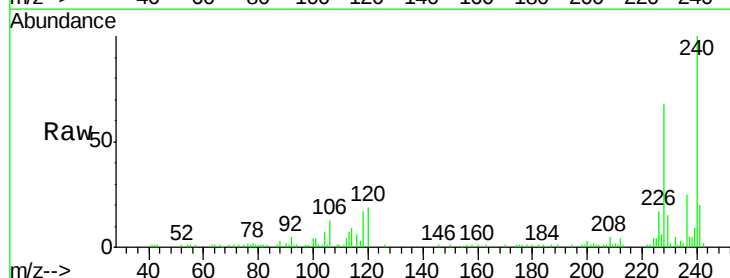
Tgt Ion:228 Resp: 44651

Ion Ratio Lower Upper

228 100

226 24.9 22.6 33.8

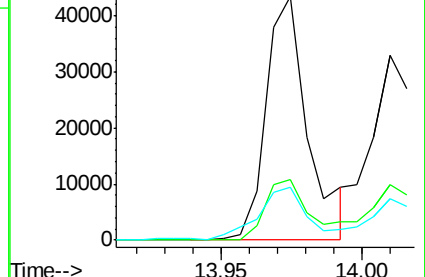
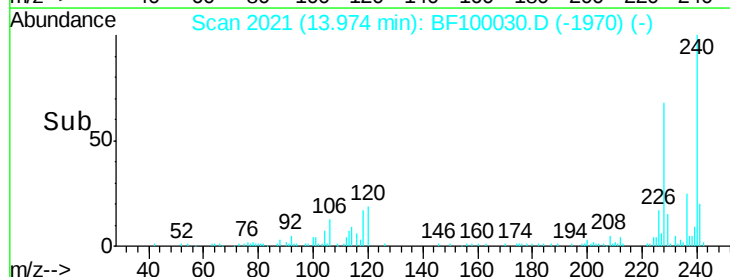
229 21.6 15.8 23.6

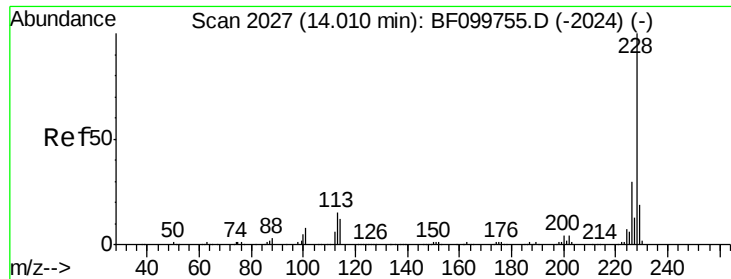


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.74 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

Instrument :

BNA_F

ClientSampleId :

DFTPP

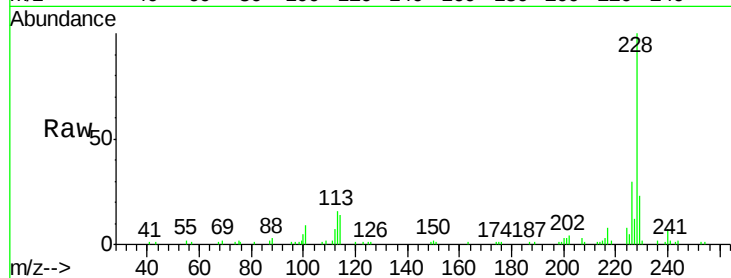
Tgt Ion:228 Resp: 37936

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

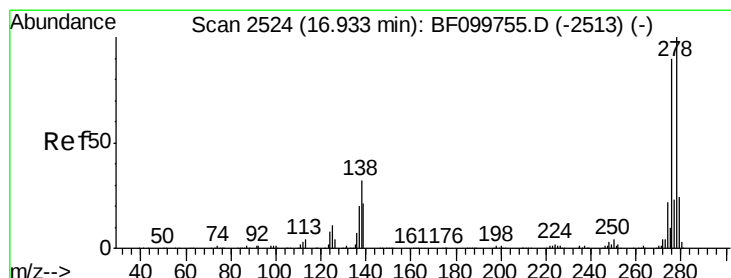
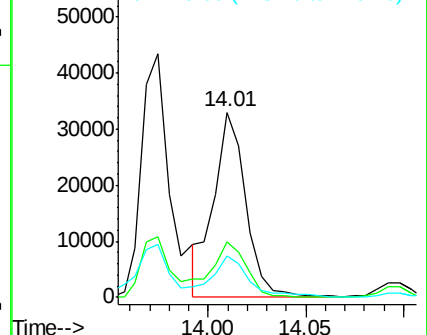
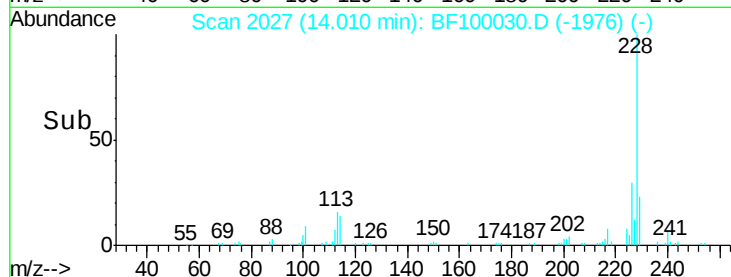
229 22.7 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.50 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.02 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

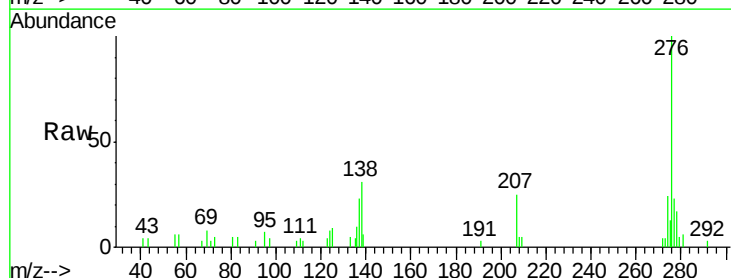
Tgt Ion:276 Resp: 23296

Ion Ratio Lower Upper

276 100

138 31.7 25.0 37.6

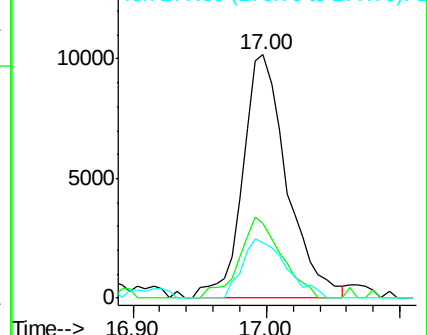
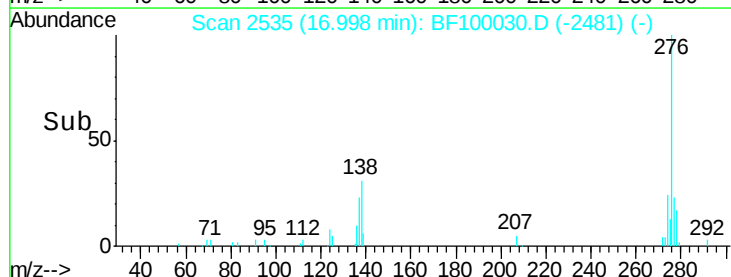
277 24.1 20.1 30.1

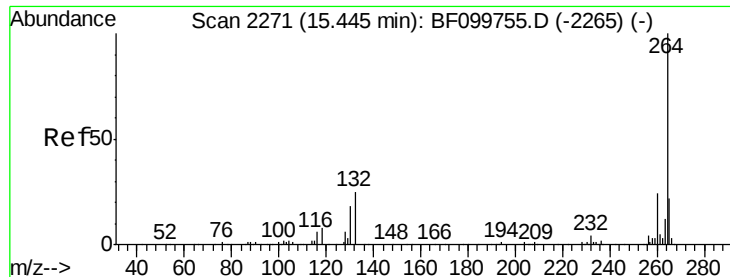


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

Instrument :

BNA_F

ClientSampleId :

DFTPP

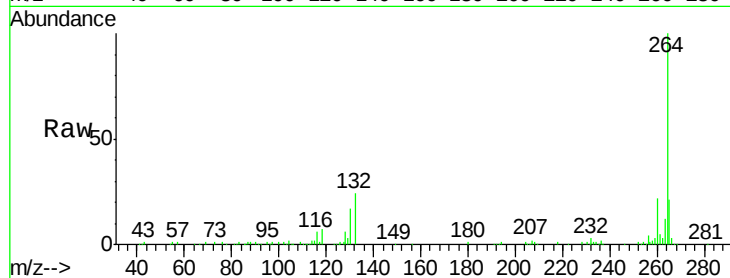
Tgt Ion:264 Resp: 152381

Ion Ratio Lower Upper

264 100

260 22.4 19.2 28.8

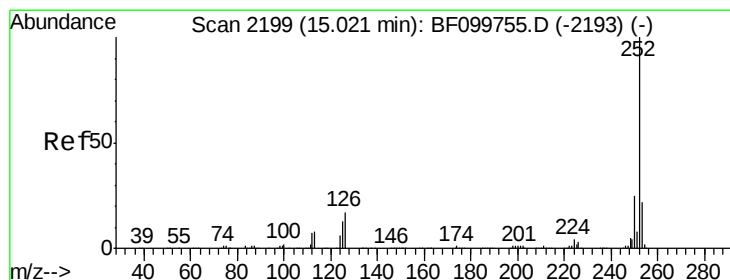
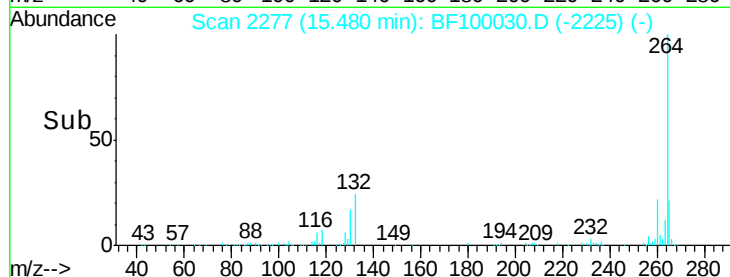
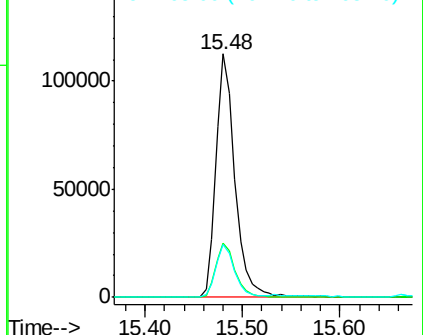
265 21.5 17.5 26.3



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: 6.75 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.01 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

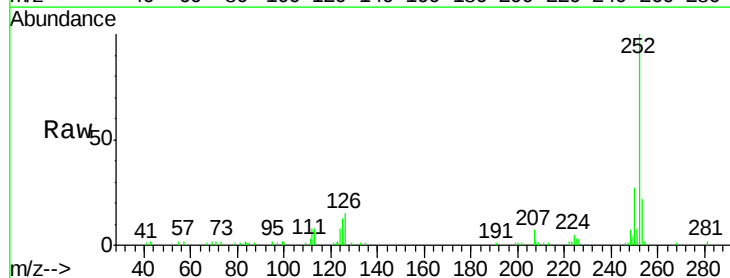
Tgt Ion:252 Resp: 64943

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

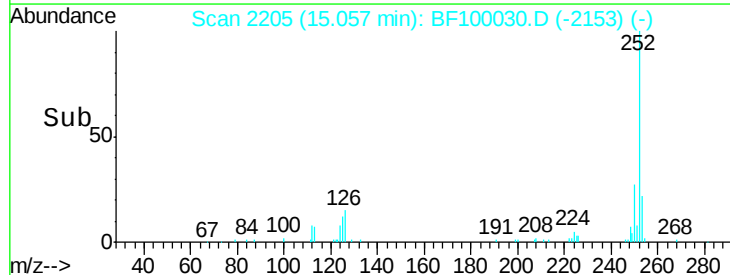
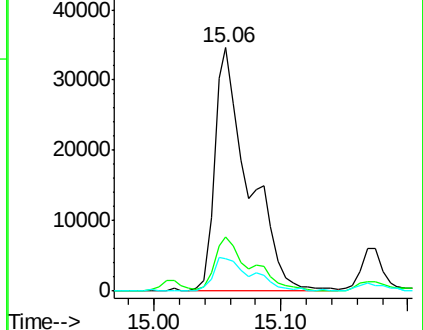
125 13.1 9.0 13.6

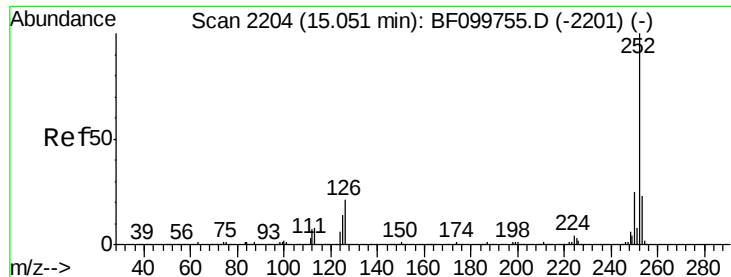


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

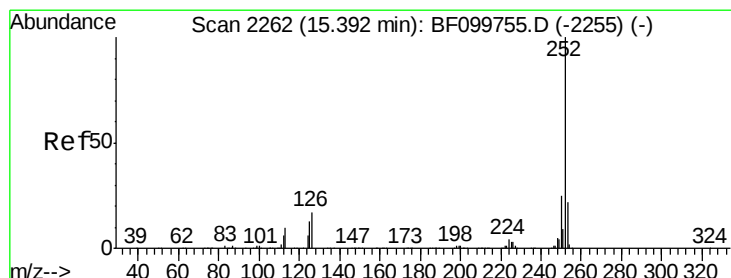
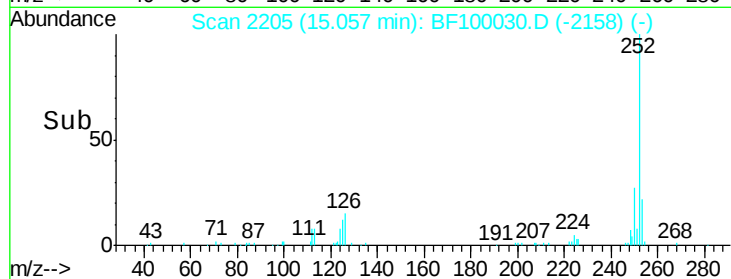
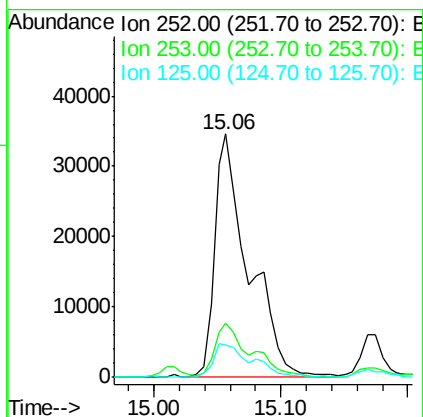
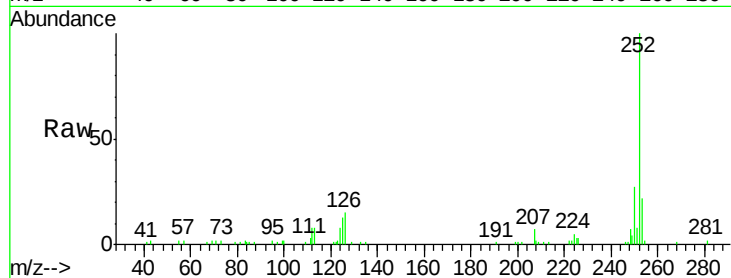




#88
Benzo(k)fluoranthene
Concen: 7.16 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF100030.D
Acq: 1 Nov 2017 6:28

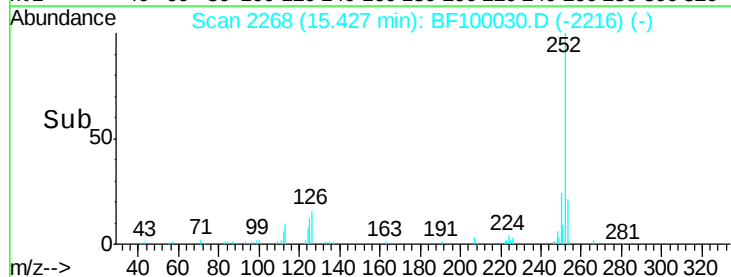
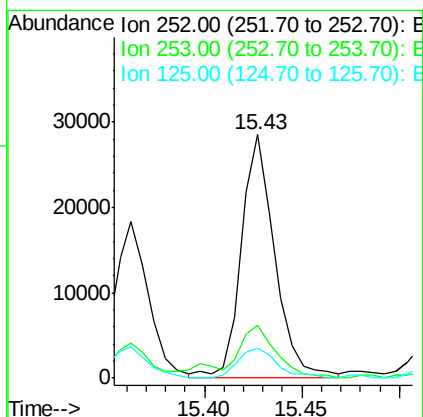
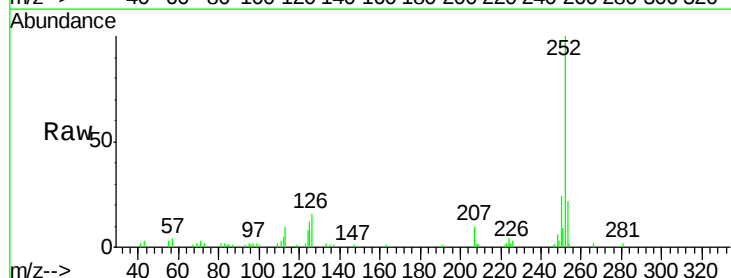
Instrument :
BNA_F
ClientSampleId :
DFTPP

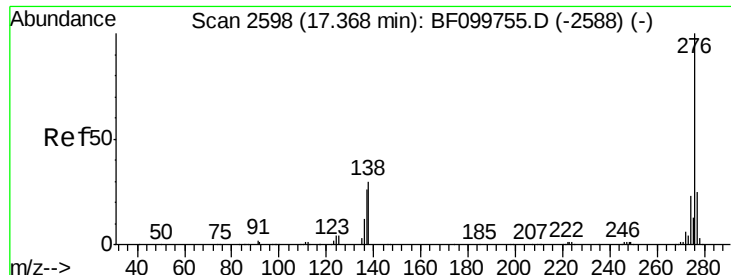
Tgt Ion:252 Resp: 64943
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 13.1 10.2 15.2



#89
Benzo(a)pyrene
Concen: 3.94 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF100030.D
Acq: 1 Nov 2017 6:28

Tgt Ion:252 Resp: 34063
Ion Ratio Lower Upper
252 100
253 21.5 17.1 25.7
125 12.0 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 3.00 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.04 min

Lab File: BF100030.D

Acq: 1 Nov 2017 6:28

Instrument :

BNA_F

ClientSampleId :

DFTPP

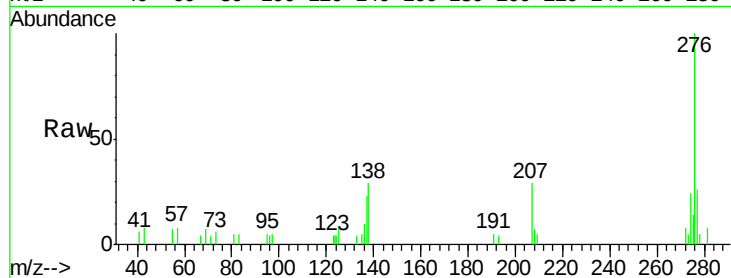
Tgt Ion: 276 Resp: 22570

Ion Ratio Lower Upper

276 100

277 25.7 17.9 26.9

138 28.6 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

