

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099408.D
 Acq On : 12 Oct 2017 21:28
 Operator : SJ/JU
 Sample : I5729-08 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 00:55:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

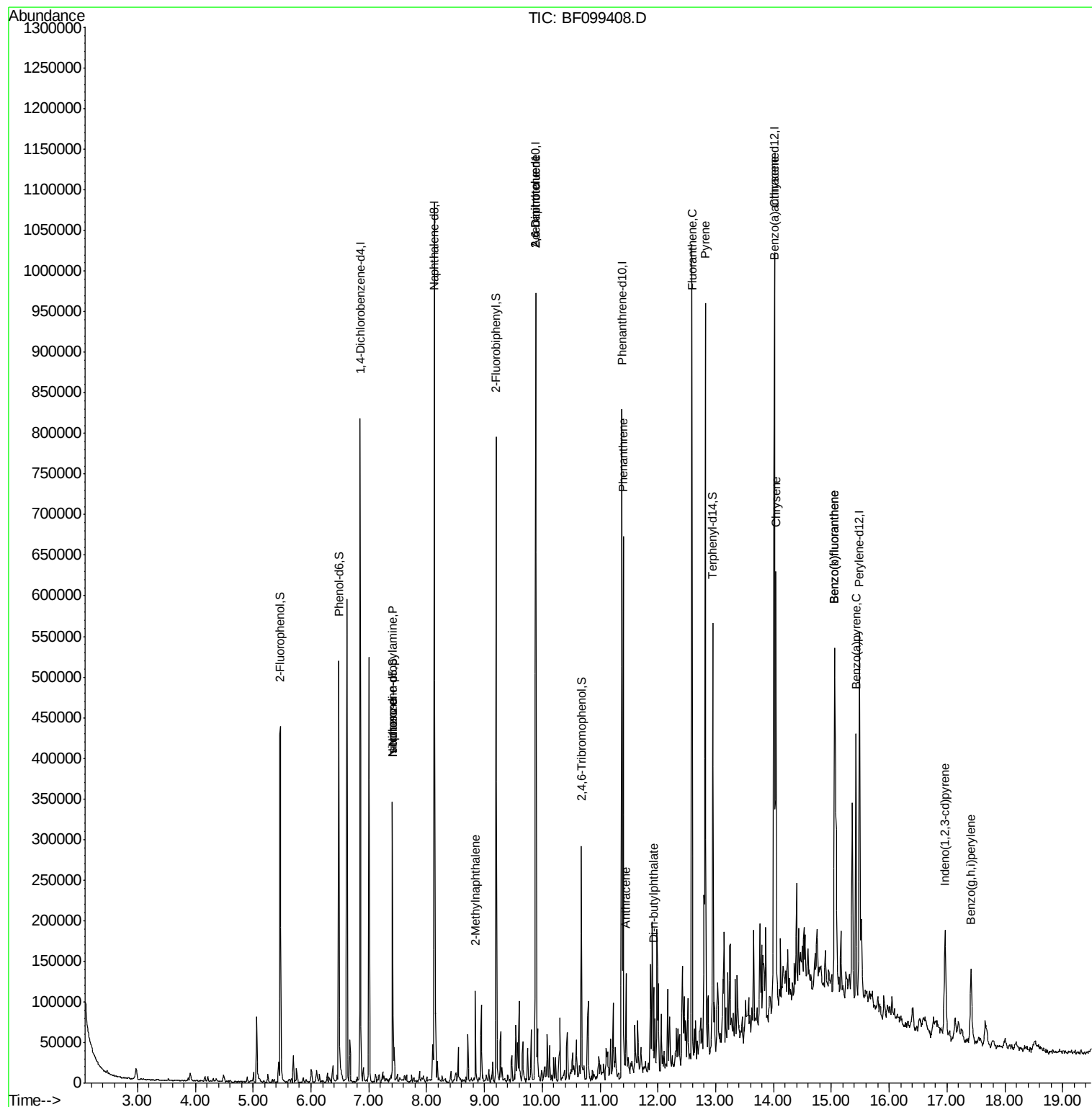
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	114254	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	463467	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	185667	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	270032	20.00	ng	0.00
75) Chrysene-d12	14.02	240	216485	20.00	ng	0.00
86) Perylene-d12	15.49	264	186030	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	147851	20.60	ng	0.00
7) Phenol-d6	6.48	99	184776	20.87	ng	0.00
23) Nitrobenzene-d5	7.41	82	110145	15.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	26027	17.13	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	226697	20.38	ng	0.00
78) Terphenyl-d14	12.95	244	142540	14.97	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	14409	2.55	ng	# 76
25) Isophorone	7.41	82	110159	7.37	ng	# 64
37) 2-Methylnaphthalene	8.85	142	28513	2.01	ng	96
50) 2,6-Dinitrotoluene	9.89	165	25083	8.22	ng	# 25
56) 2,4-Dinitrotoluene	9.89	165	25083	6.34	ng	# 23
70) Phenanthrene	11.40	178	222890	15.42	ng	98
71) Anthracene	11.45	178	47218	3.19	ng	97
73) Di-n-butylphthalate	11.93	149	51344	2.95	ng	# 99
74) Fluoranthene	12.59	202	406863	27.80	ng	97
77) Pyrene	12.82	202	376048	22.78	ng	99
80) Benzo(a)anthracene	14.00	228	216819	16.54	ng	99
82) Chrysene	14.04	228	201551	16.15	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	73715	7.38	ng	98
87) Benzo(b)fluoranthene	15.06	252	302990	26.49	ng	# 97
88) Benzo(k)fluoranthene	15.06	252	302990	26.82	ng	97
89) Benzo(a)pyrene	15.43	252	150866	14.37	ng	# 97
91) Benzo(a,h,i)perylene	17.42	276	70207	8.45	ng	93

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

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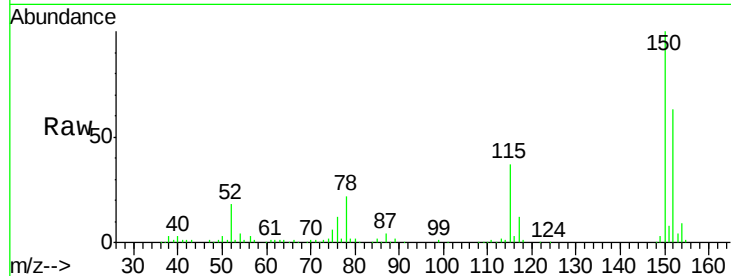


#1

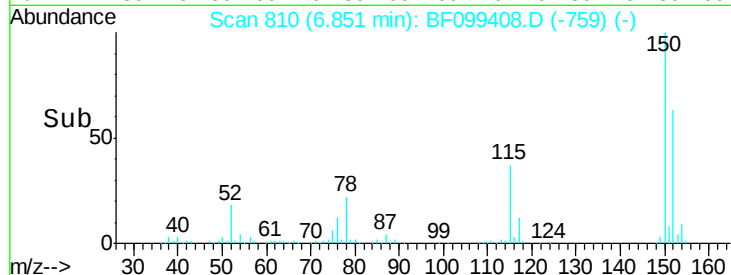
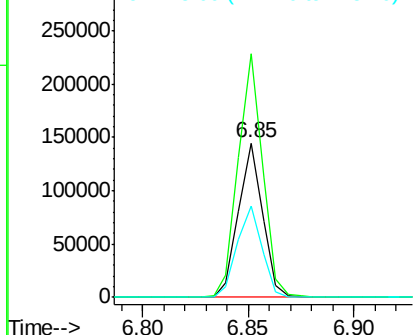
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114254
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 58.8 50.1 75.1



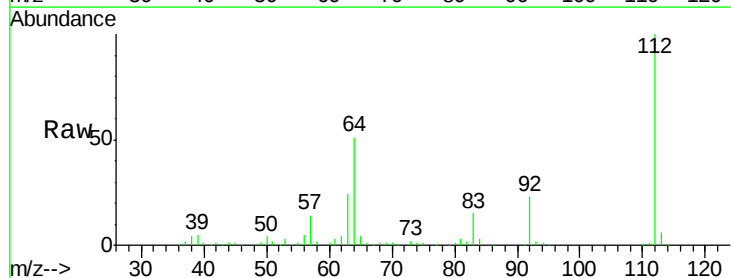
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



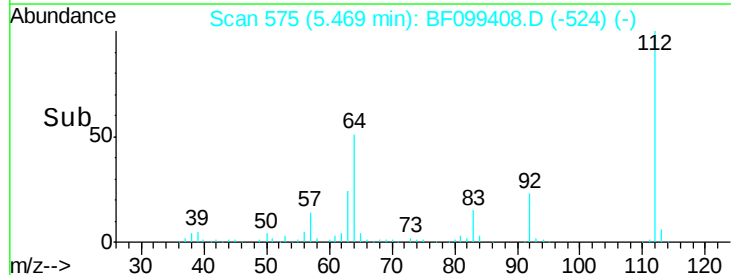
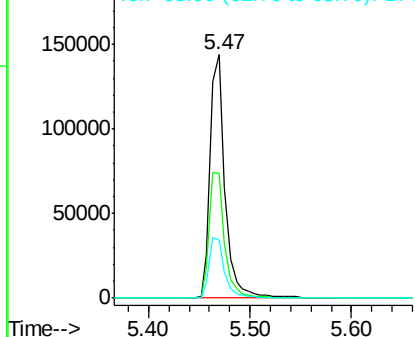
#5

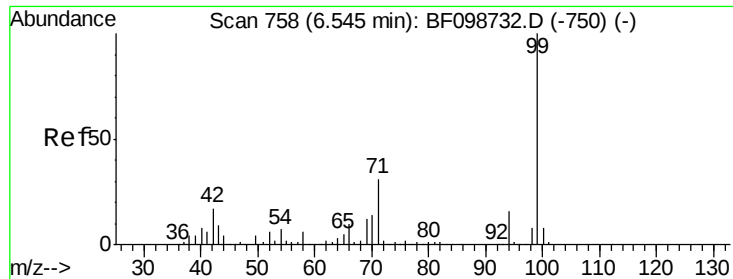
2-Fluorophenol
Concen: 20.60 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Tgt Ion:112 Resp: 147851
Ion Ratio Lower Upper
112 100
64 51.2 47.9 71.9
63 23.8 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: 20.87 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

Instrument :

BNA_F

ClientSampled :

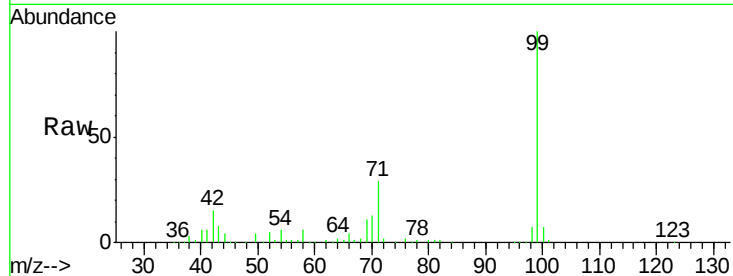
Tot Ion: 99 Resp: 184776

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

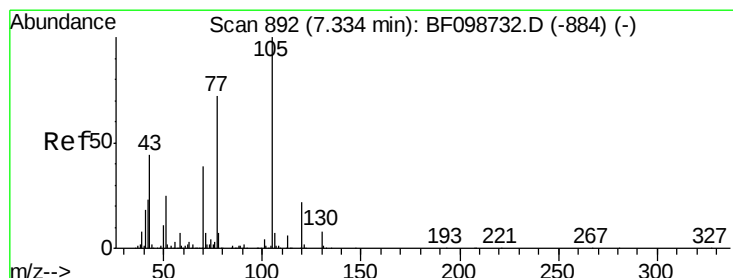
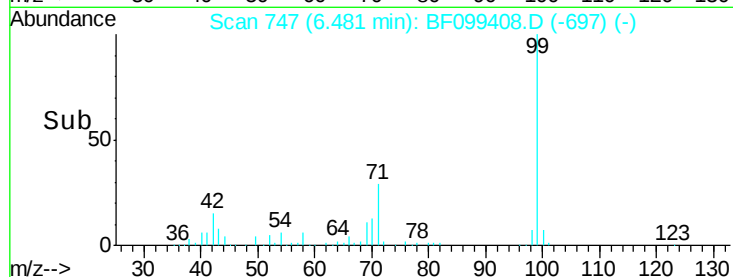
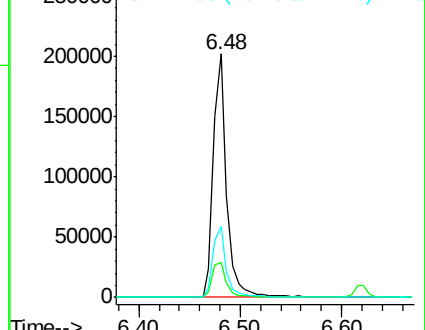
71 29.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.55 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

Tgt Ion: 70 Resp: 14409

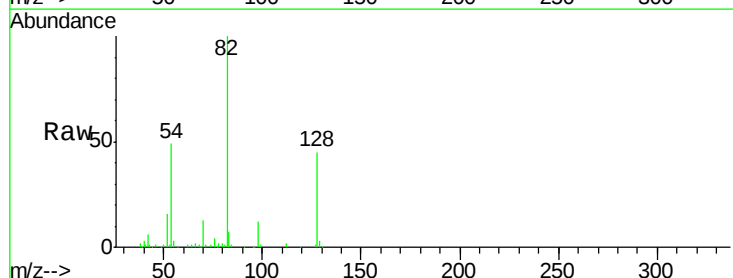
Ion Ratio Lower Upper

70 100

42 45.4 47.5 71.3#

101 0.0 7.4 11.2#

130 3.1 16.6 25.0#

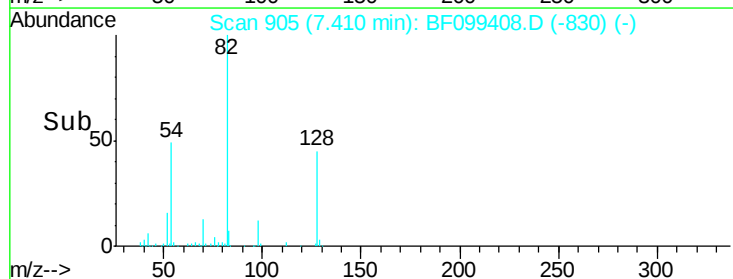
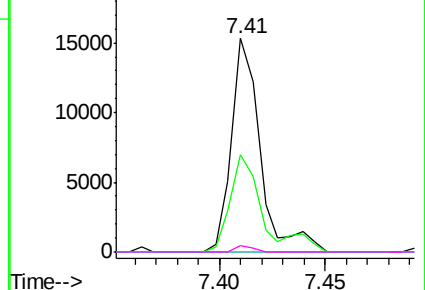


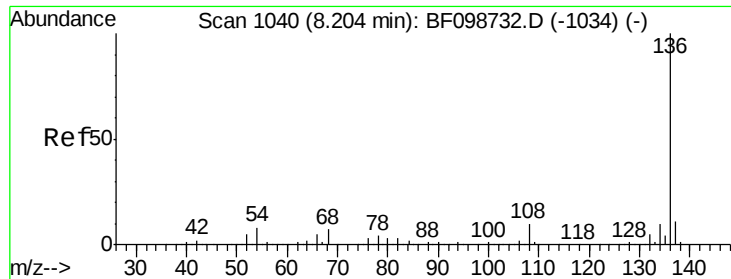
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

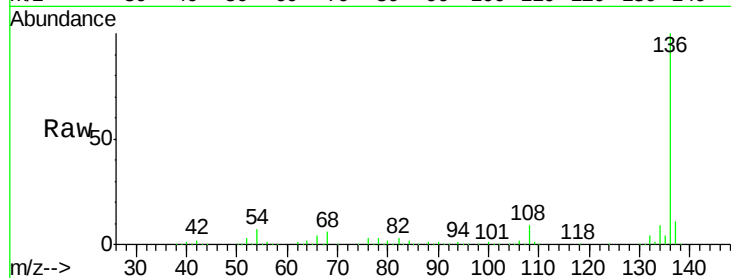




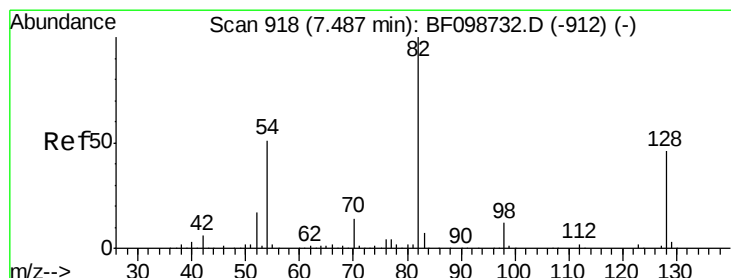
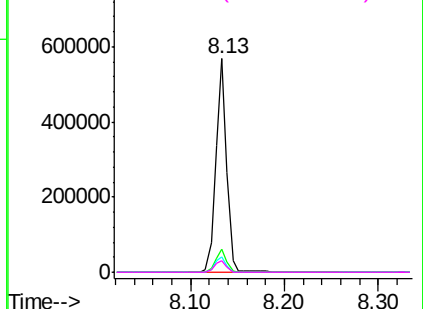
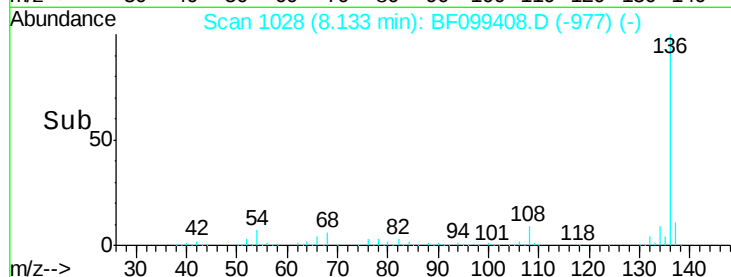
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	463467
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	7.1	6.6 9.8
68	5.7	5.0 7.4

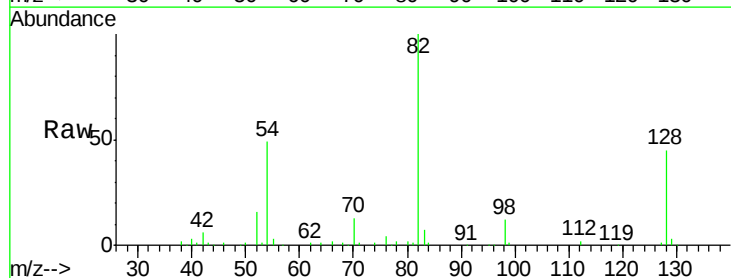


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

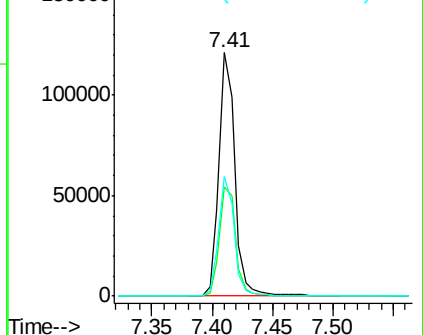
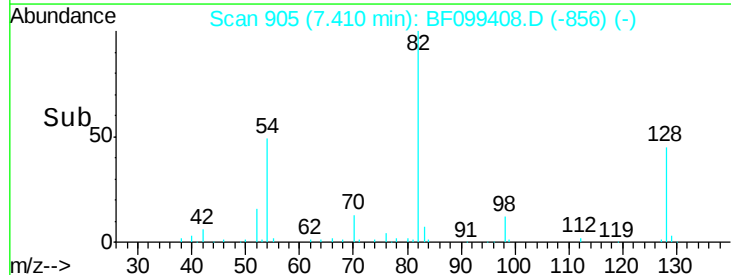


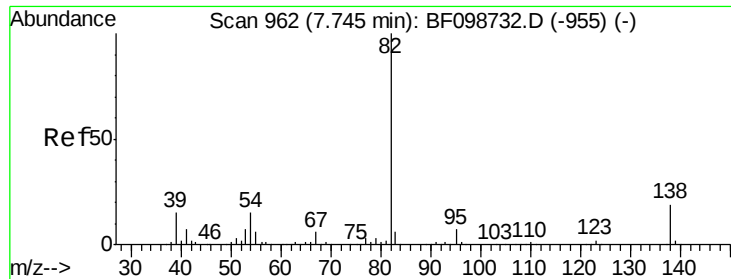
#23
Nitrobenzene-d5
Concen: 15.24 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Tgt Ion: 82	Resp:	110145
Ion Ratio	Lower	Upper
82	100	
128	44.8	36.1 54.1
54	49.3	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 7.37 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

Instrument :

BNA_F

ClientSampleId :

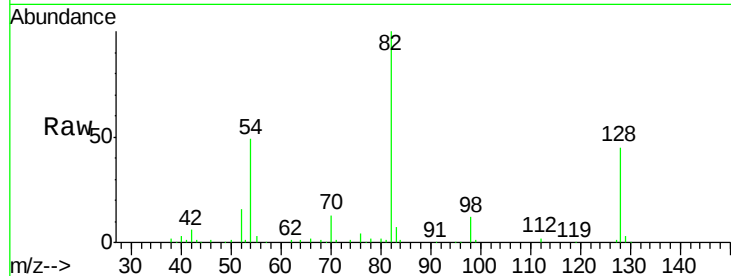
Tot Ion: 82 Resp: 110159

Ion Ratio Lower Upper

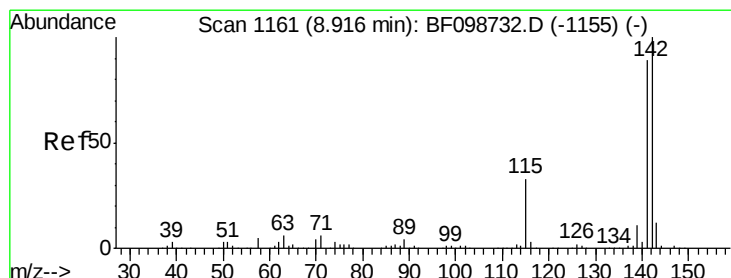
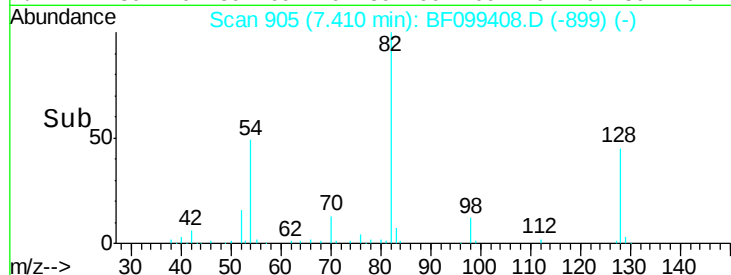
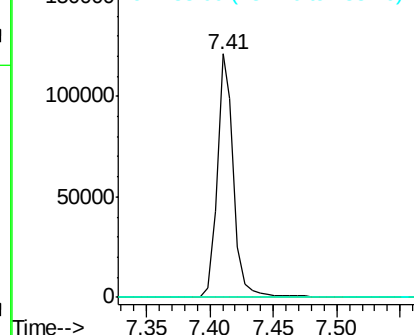
82 100

95 0.3 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#37

2-Methylnaphthalene

Concen: 2.01 ng

RT: 8.85 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

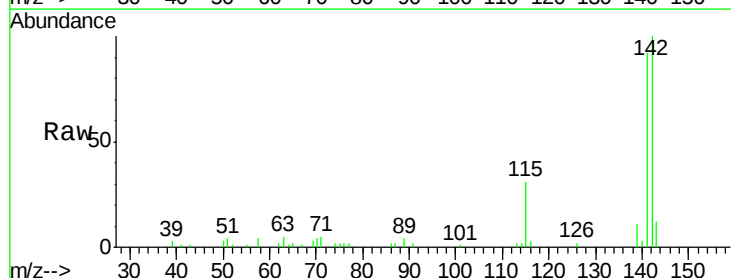
Tgt Ion: 142 Resp: 28513

Ion Ratio Lower Upper

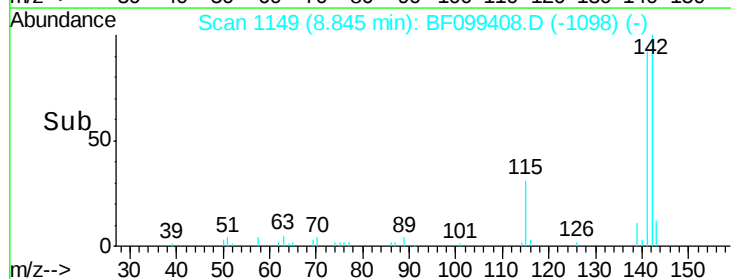
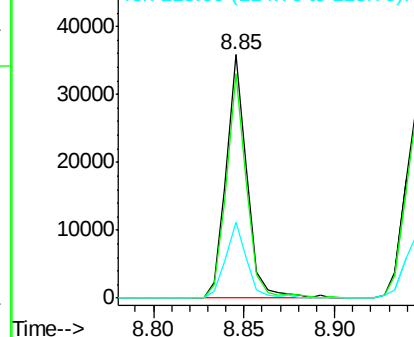
142 100

141 92.3 70.8 106.2

115 31.2 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

Instrument :

BNA_F

ClientSampleId :

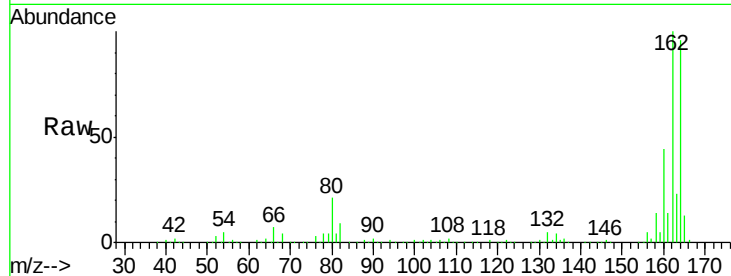
Tot Ion:164 Resp: 185667

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

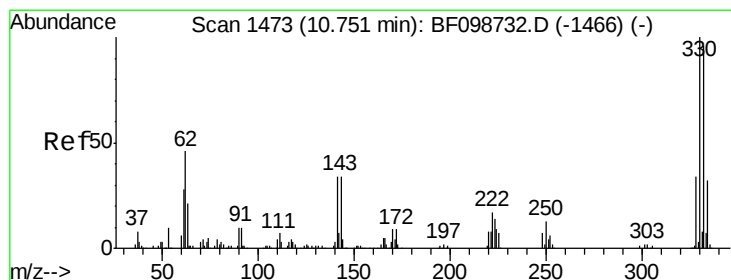
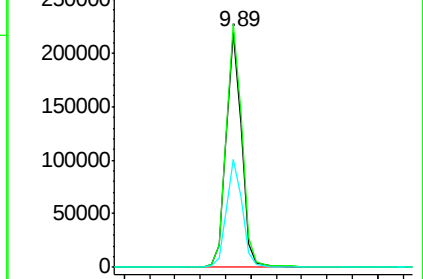
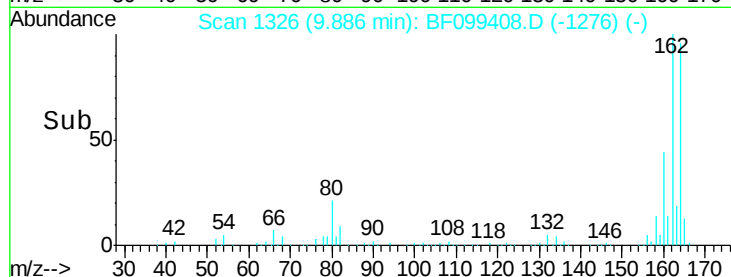
160 45.9 38.3 57.5



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: 17.13 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

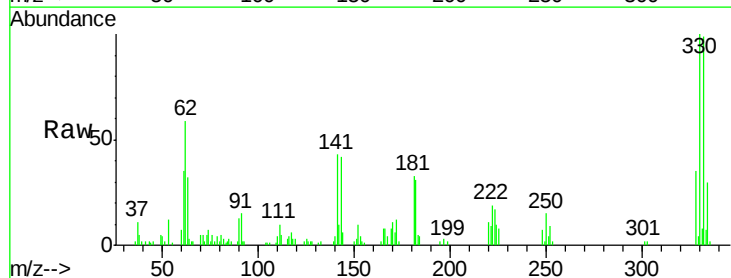
Tgt Ion:330 Resp: 26027

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

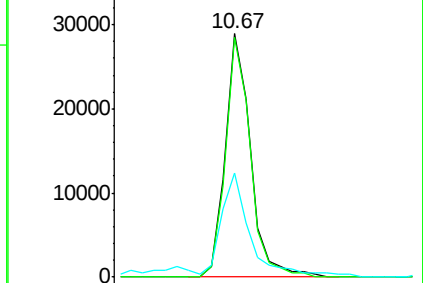
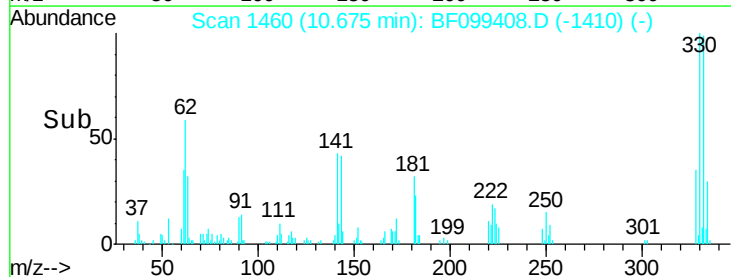
141 49.5 29.9 44.9#

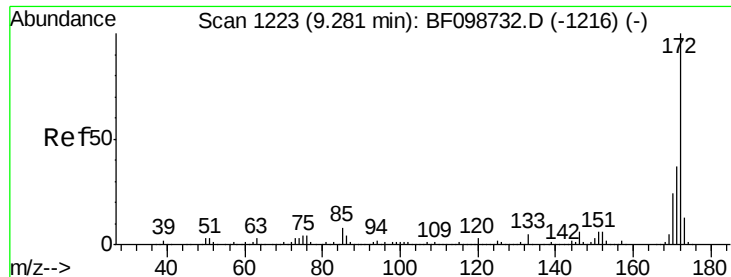


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

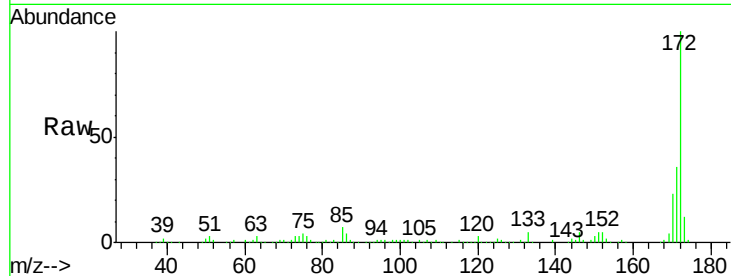




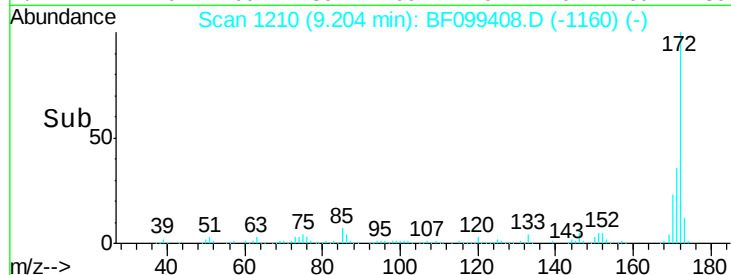
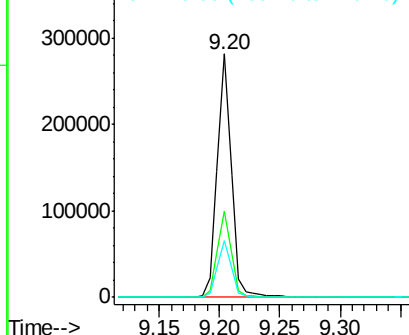
#44
2-Fluorobiphenyl
Concen: 20.38 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.2	19.6	29.4

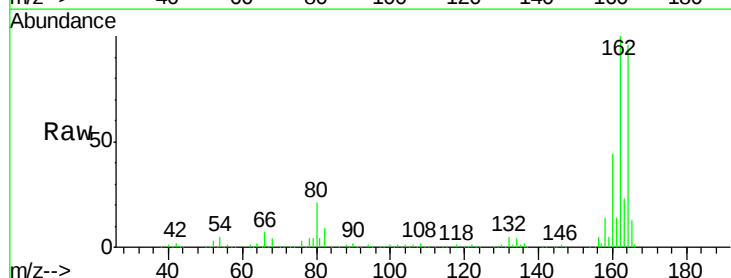


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

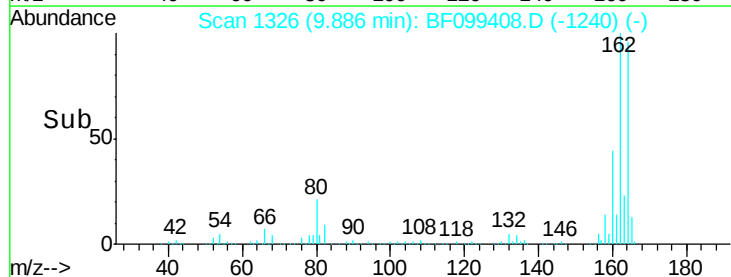
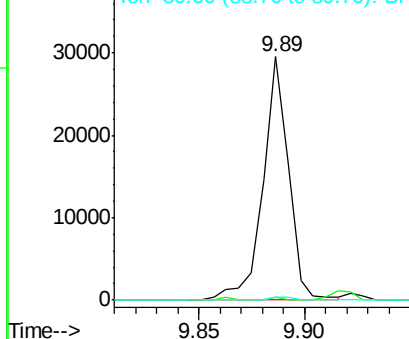


#50
2,6-Dinitrotoluene
Concen: 8.22 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.21 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.2	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

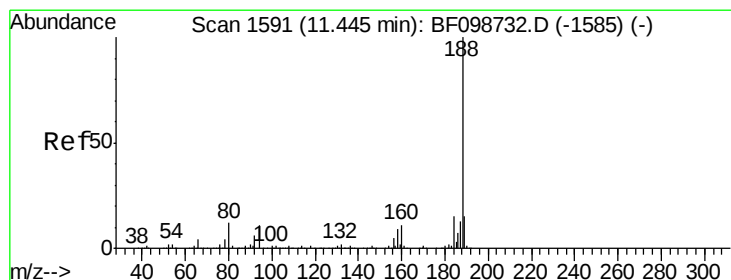
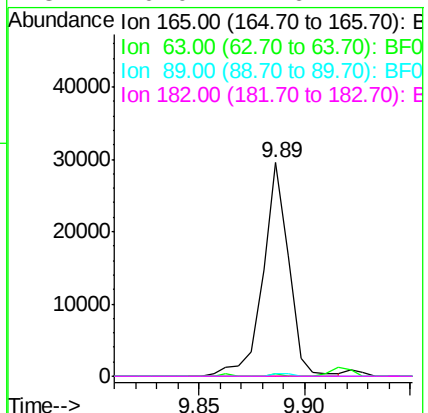
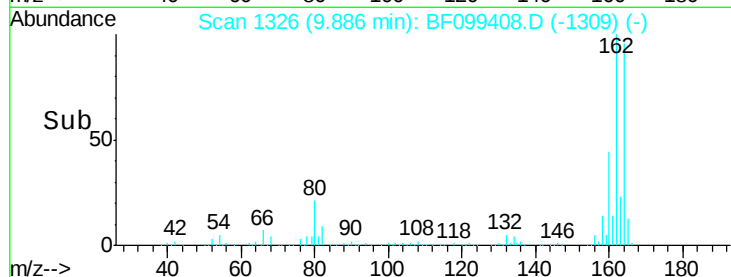
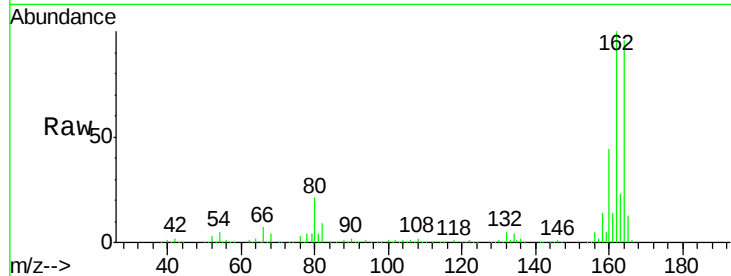




#56
 2,4-Dinitrotoluene
 Concen: 6.34 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF099408.D
 Acq: 12 Oct 2017 21:28

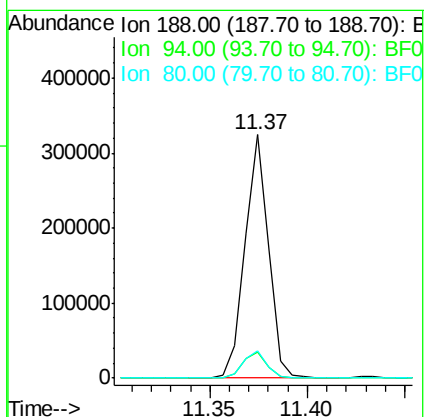
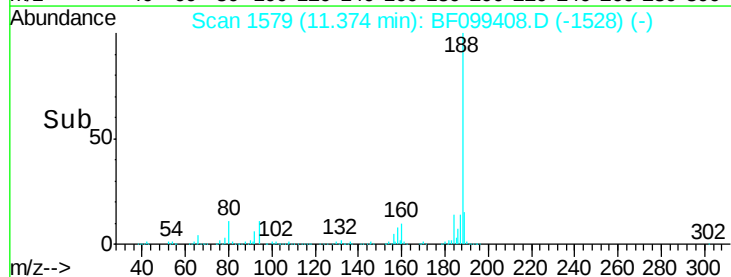
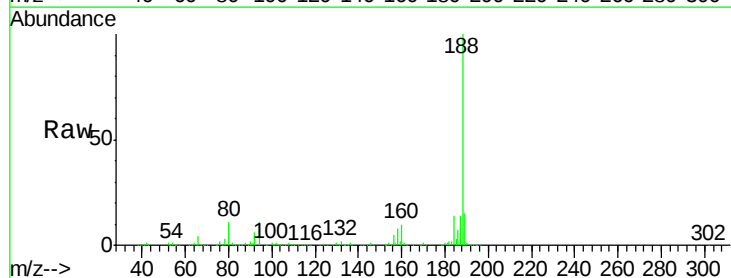
Instrument :
 BNA_F
 ClientSampleId :

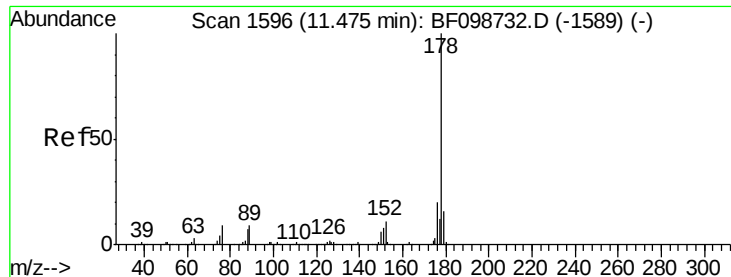
Tot Ion:165	Resp:	25083
Ion Ratio	Lower	Upper
165	100	
63	1.0	36.4 54.6#
89	1.2	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF099408.D
 Acq: 12 Oct 2017 21:28

Tgt Ion:188	Resp:	270032
Ion Ratio	Lower	Upper
188	100	
94	10.7	8.5 12.7
80	11.3	9.2 13.8





#70

Phenanthrene

Concen: 15.42 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

Instrument :

BNA_F

ClientSampleId :

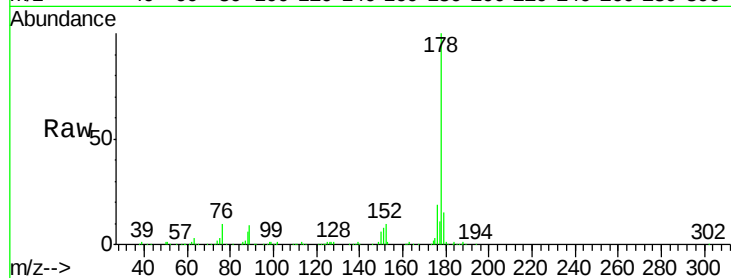
Tot Ion:178 Resp: 222890

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

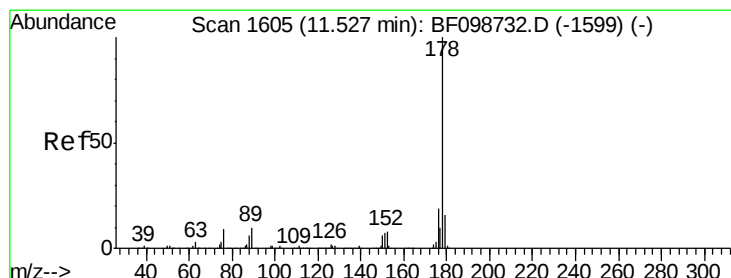
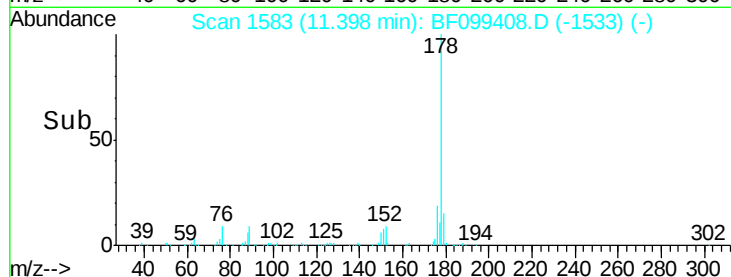
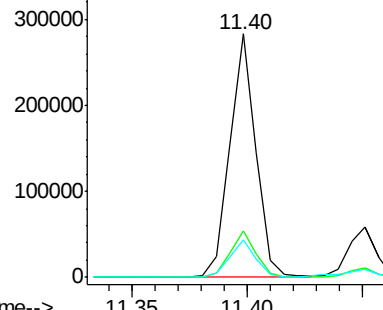
179 15.4 13.0 19.6



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



#71

Anthracene

Concen: 3.19 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

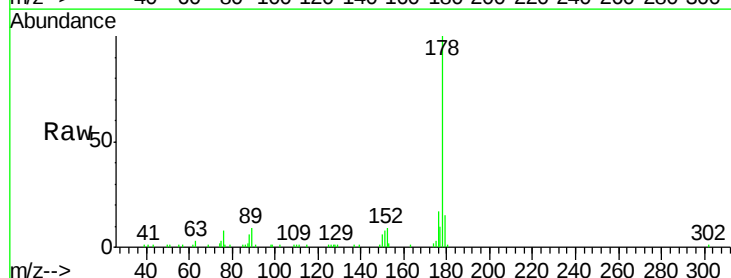
Tgt Ion:178 Resp: 47218

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.2

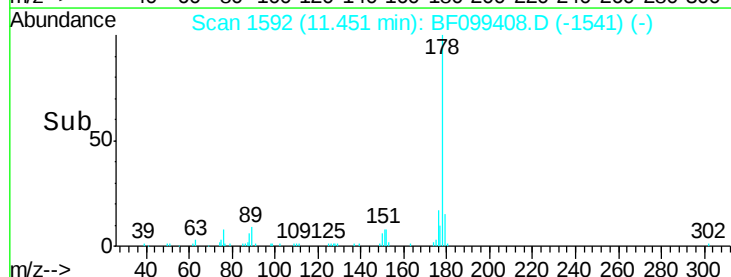
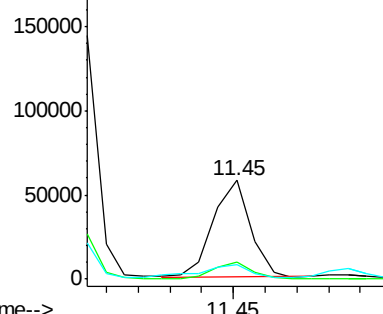
179 14.9 12.6 19.0

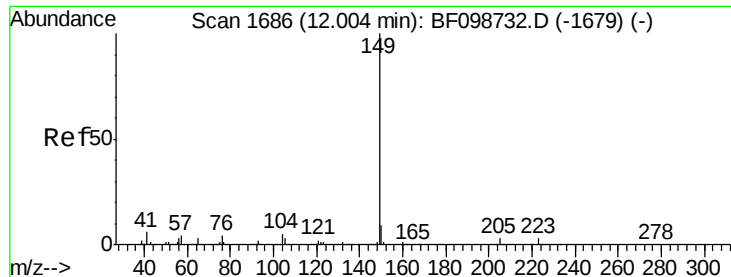


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

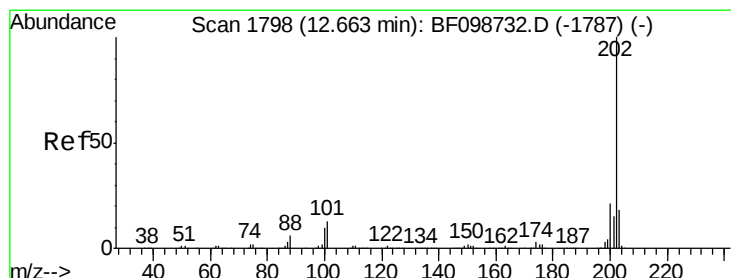
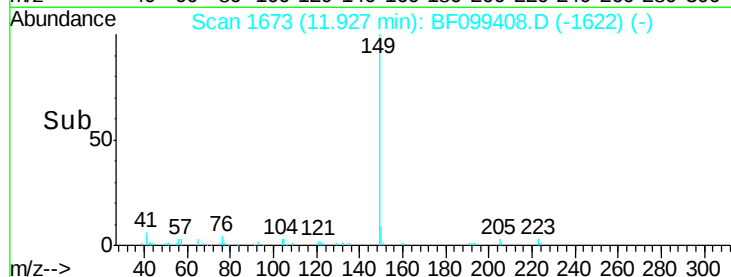
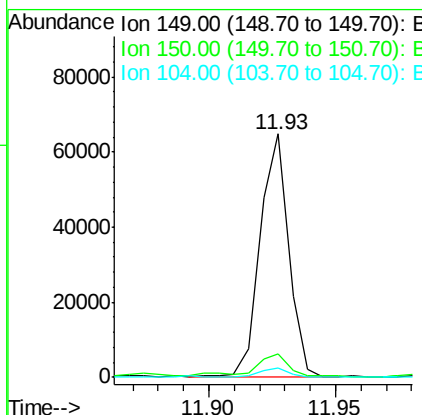
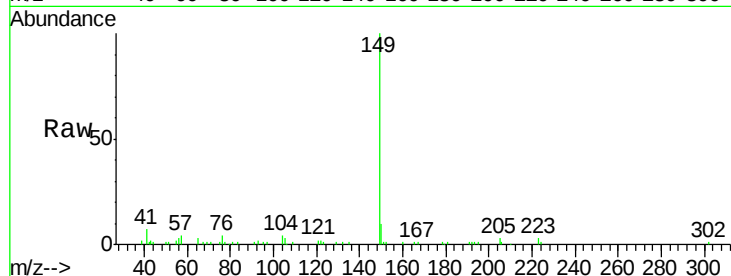




#73
Di-n-butylphthalate
Concen: 2.95 ng
RT: 11.93 min Scan# 1673
Delta R.T. 0.00 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

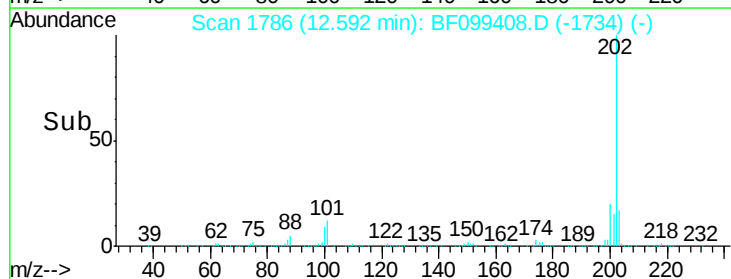
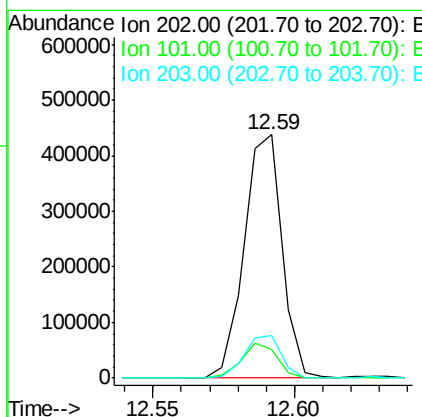
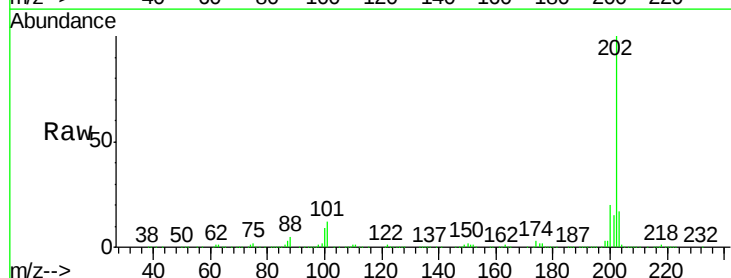
Instrument :
BNA_F
ClientSampleId :

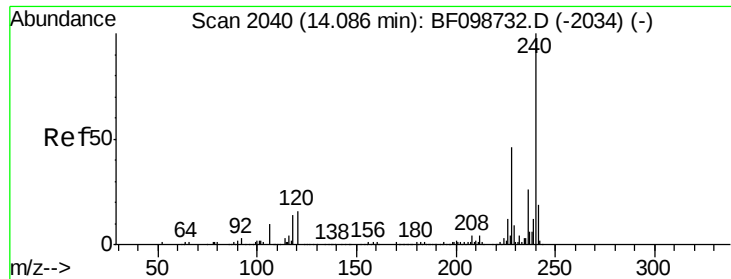
Tot Ion:149 Resp: 51344
Ion Ratio Lower Upper
149 100
150 9.5 7.8 11.6
104 3.6 3.8 5.8#



#74
Fluoranthene
Concen: 27.80 ng
RT: 12.59 min Scan# 1786
Delta R.T. 0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Tgt Ion:202 Resp: 406863
Ion Ratio Lower Upper
202 100
101 12.0 0.0 34.1
203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

Instrument :

BNA_F

ClientSampleId :

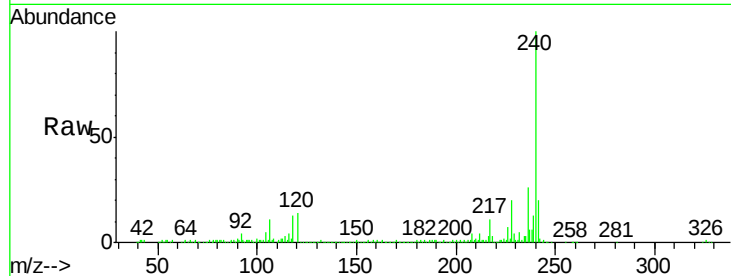
Tot Ion:240 Resp: 216485

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3#

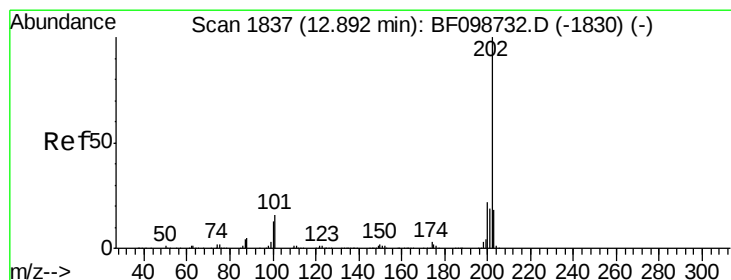
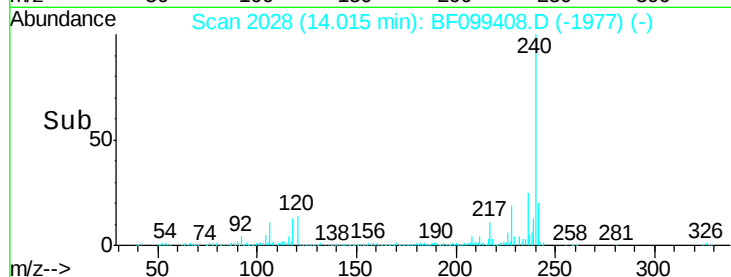
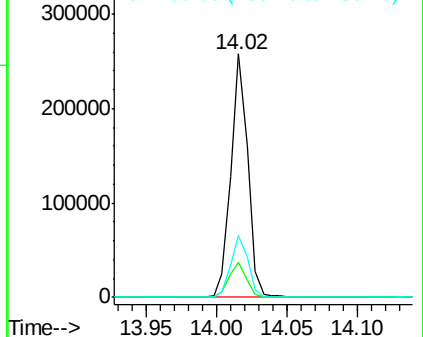
236 25.5 20.7 31.1



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: 22.78 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

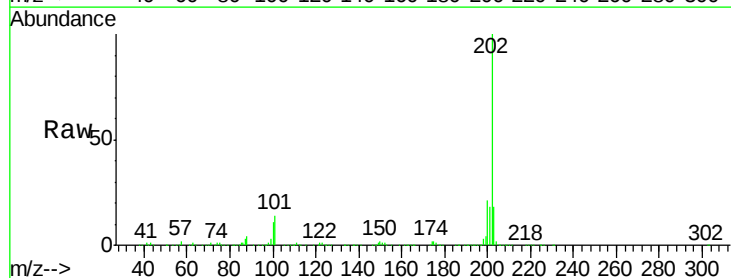
Tgt Ion:202 Resp: 376048

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

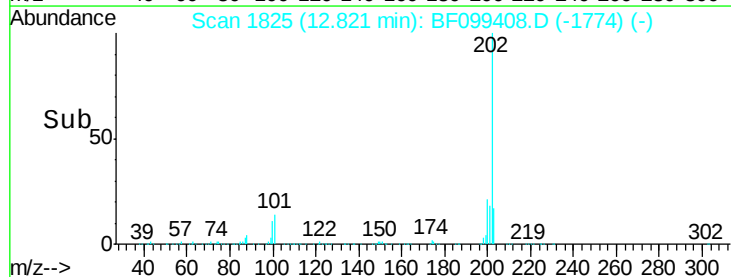
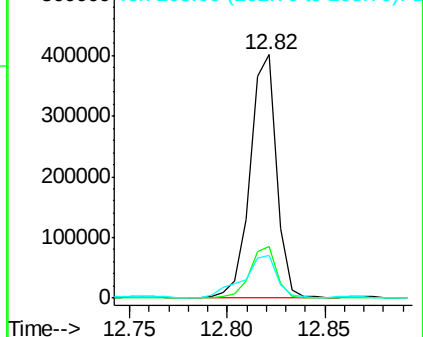
203 17.6 14.3 21.5

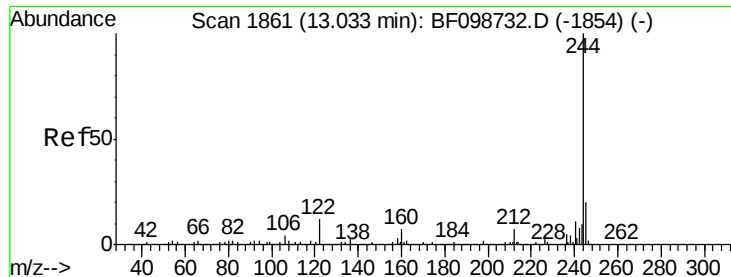


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

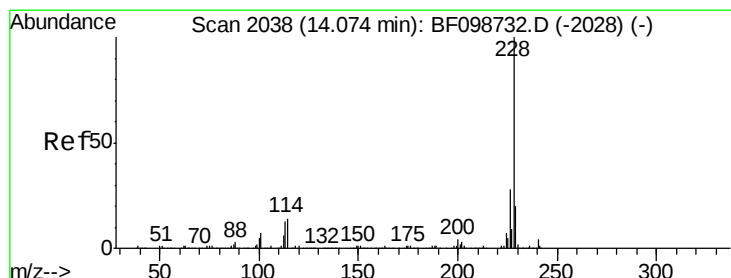
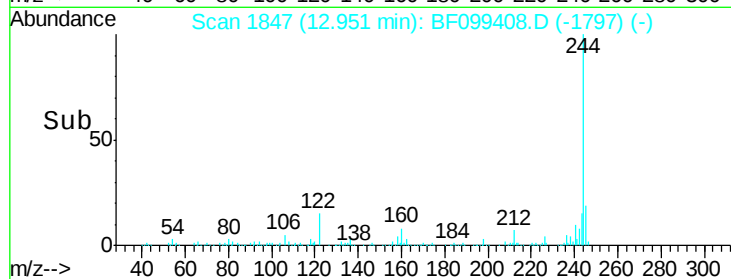
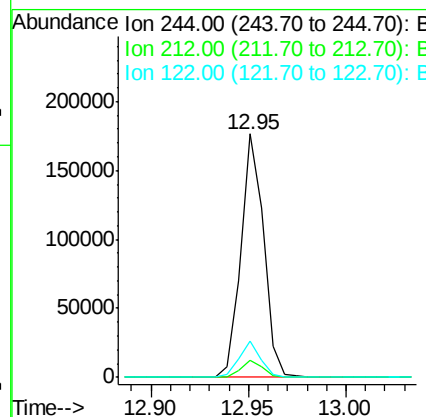
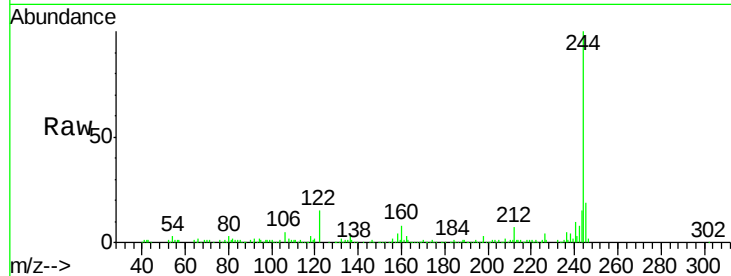




#78
 Terphenyl-d14
 Concen: 14.97 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF099408.D
 Acq: 12 Oct 2017 21:28

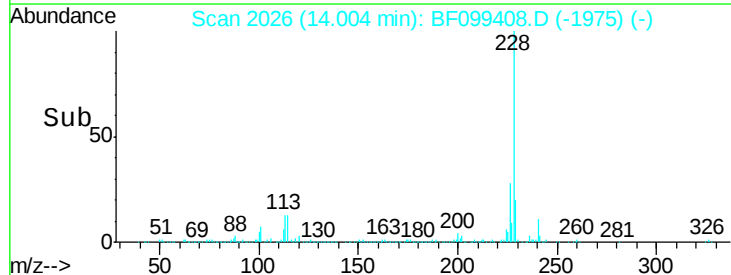
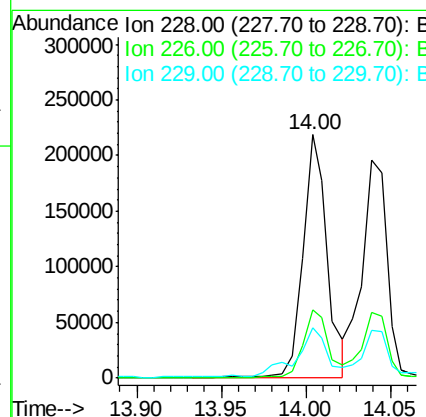
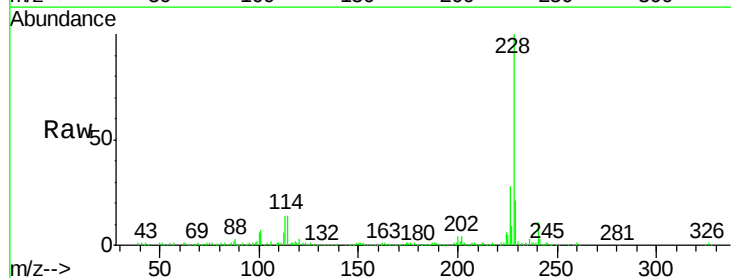
Instrument :
 BNA_F
 ClientSampleId :

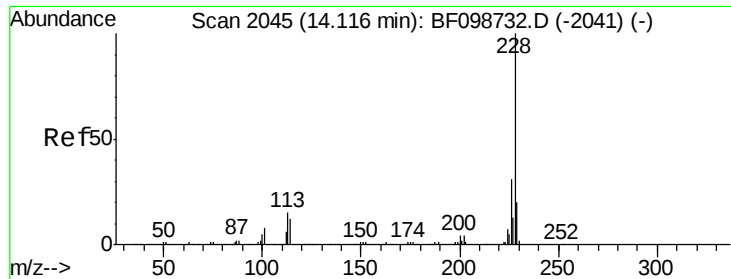
Tot Ion:244 Resp: 142540
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 14.7 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 16.54 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.00 min
 Lab File: BF099408.D
 Acq: 12 Oct 2017 21:28

Tgt Ion:228 Resp: 216819
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.6 33.8
 229 20.7 15.8 23.6





#82

Chrysene

Concen: 16.15 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

Instrument :

BNA_F

ClientSampled :

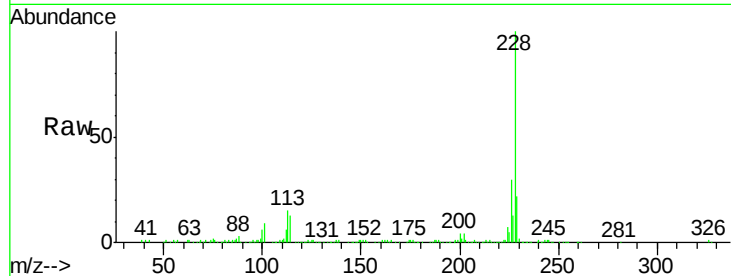
Tot Ion:228 Resp: 201551

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

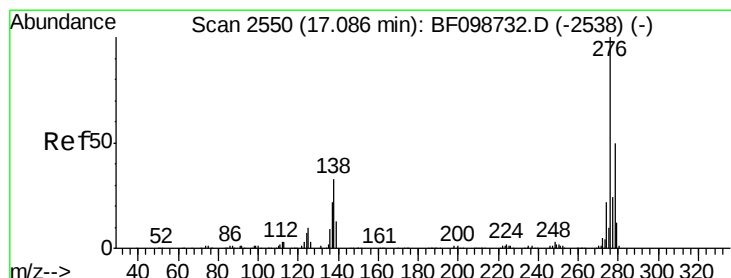
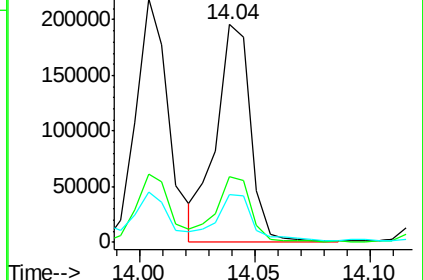
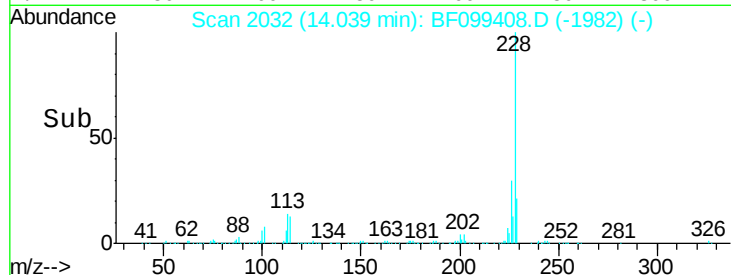
229 22.0 16.2 24.4



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: 7.38 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.01 min

Lab File: BF099408.D

Acq: 12 Oct 2017 21:28

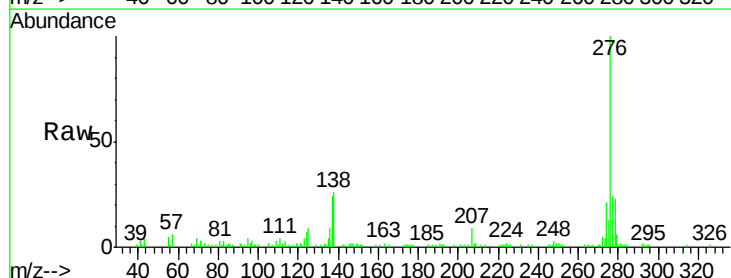
Tgt Ion:276 Resp: 73715

Ion Ratio Lower Upper

276 100

138 32.5 25.0 37.6

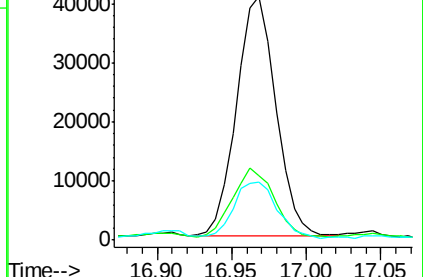
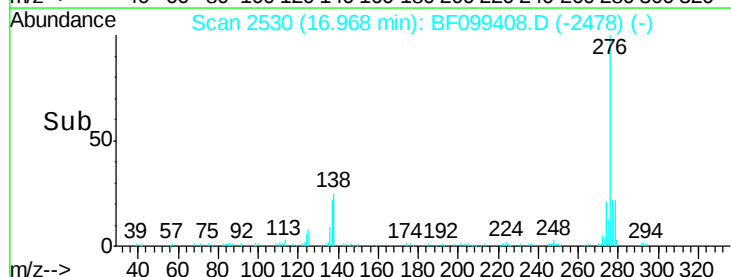
277 26.3 20.1 30.1

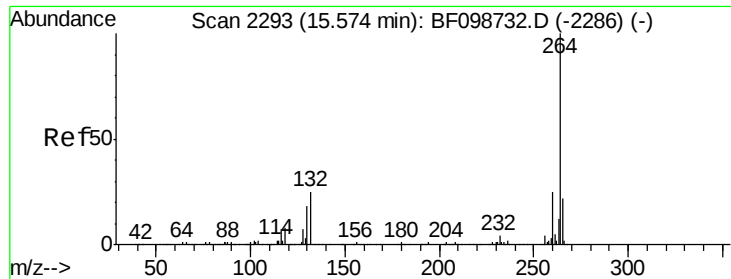


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

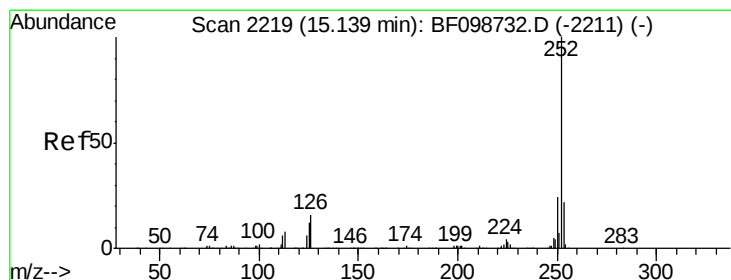
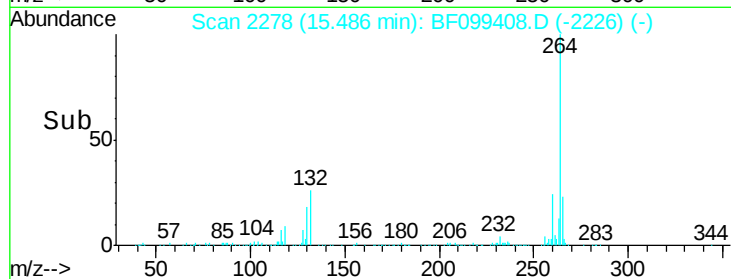
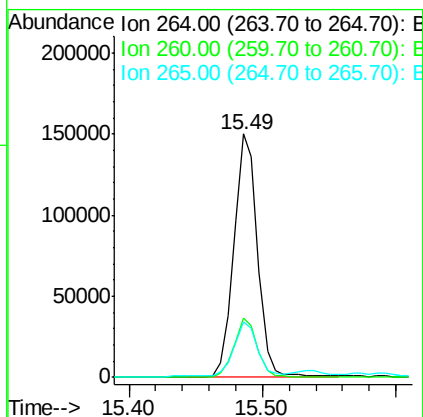
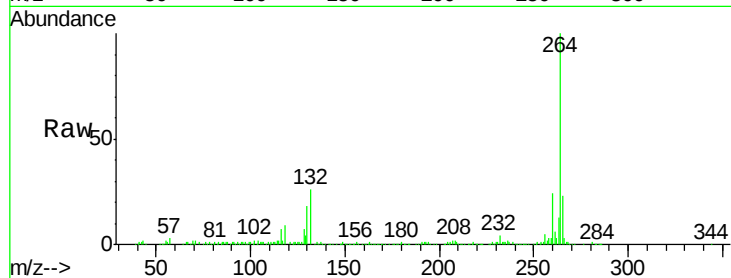




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

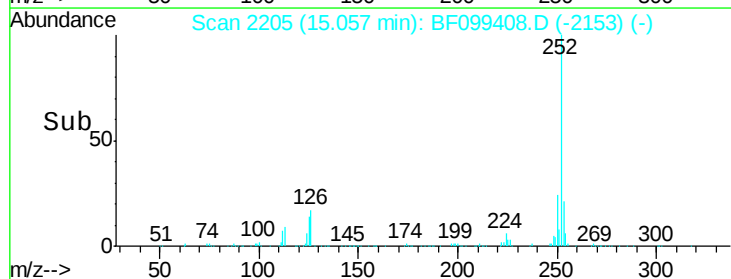
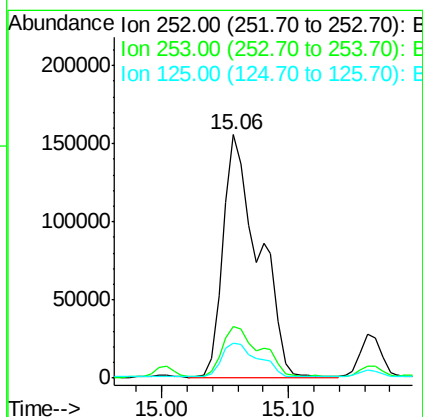
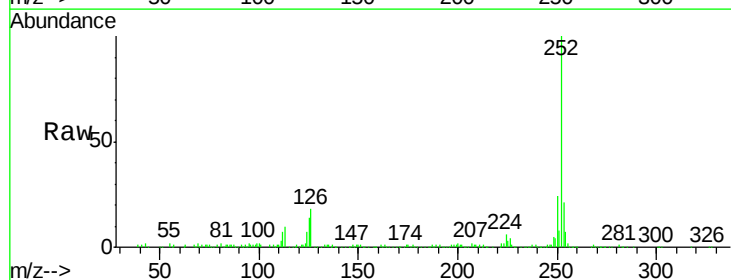
Instrument :
BNA_F
ClientSampleId :

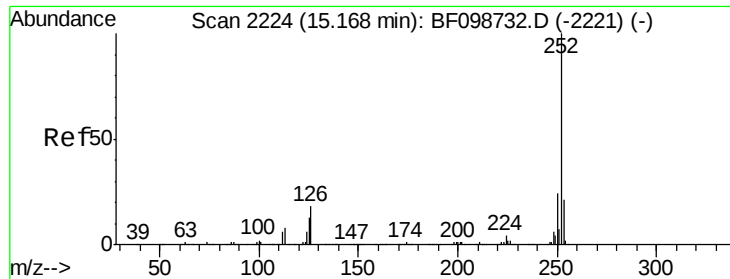
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 26.49 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	14.4	9.0	13.6

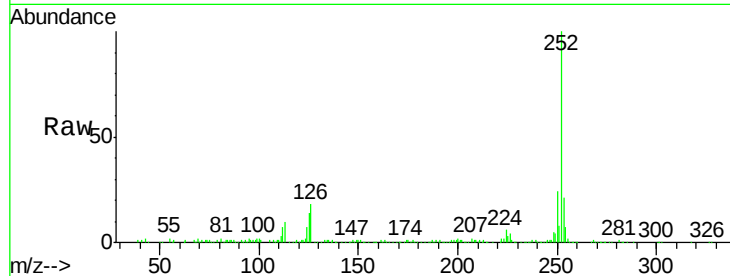




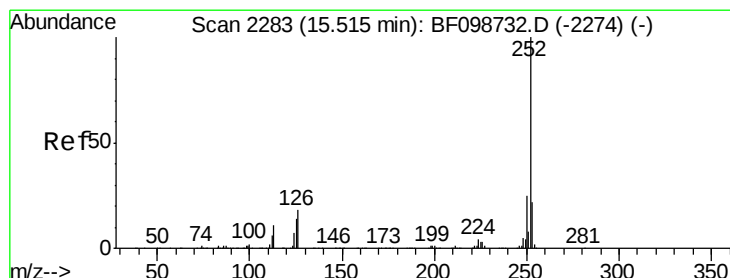
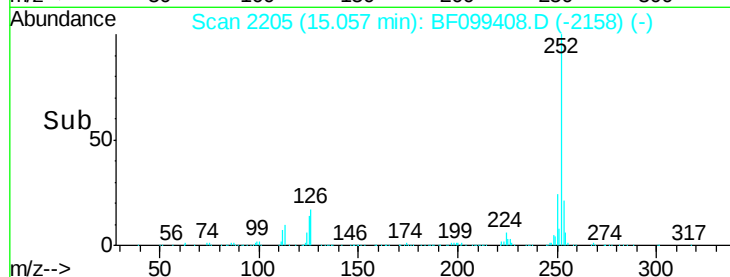
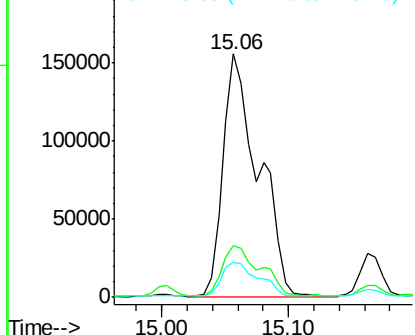
#88
Benzo(k)fluoranthene
Concen: 26.82 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.9	26.9
125	14.4	10.2	15.2

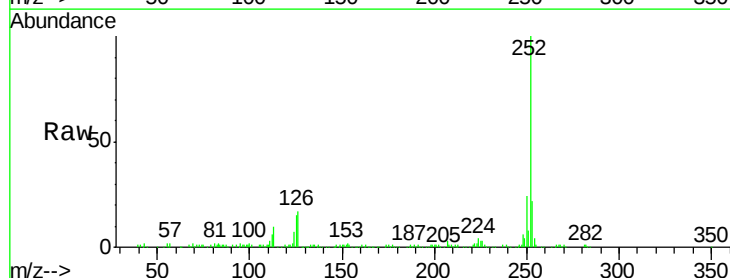


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

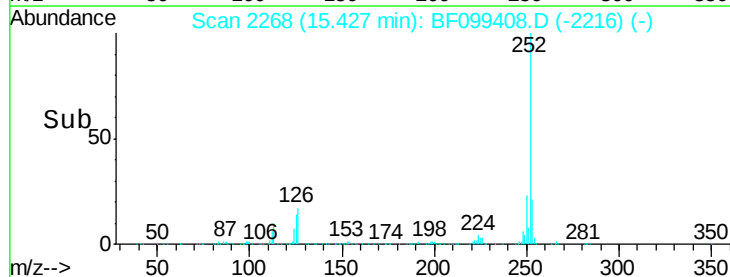
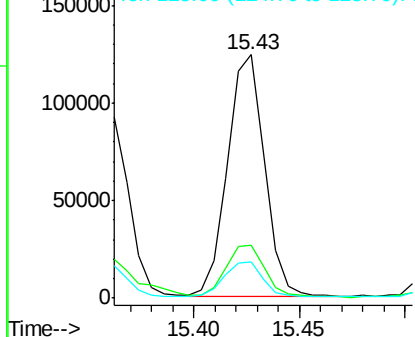


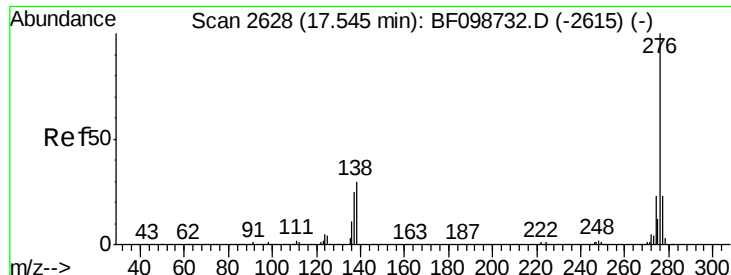
#89
Benzo(a)pyrene
Concen: 14.37 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099408.D
Acq: 12 Oct 2017 21:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	14.9	9.8	14.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

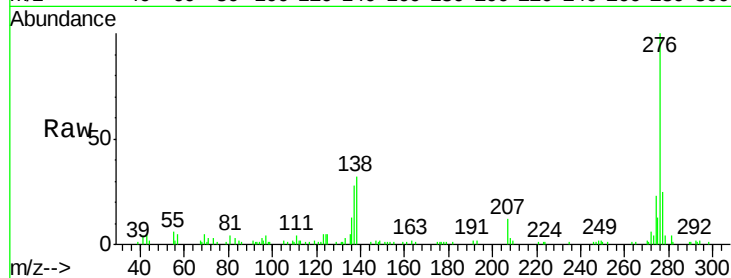




#91
 Benzo(a,h,i)perylene
 Concen: 8.45 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. 0.01 min
 Lab File: BF099408.D
 Acq: 12 Oct 2017 21:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	32.1	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

