

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099414.D
 Acq On : 13 Oct 2017 00:15
 Operator : SJ/JU
 Sample : I5729-12 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 00:57:26 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

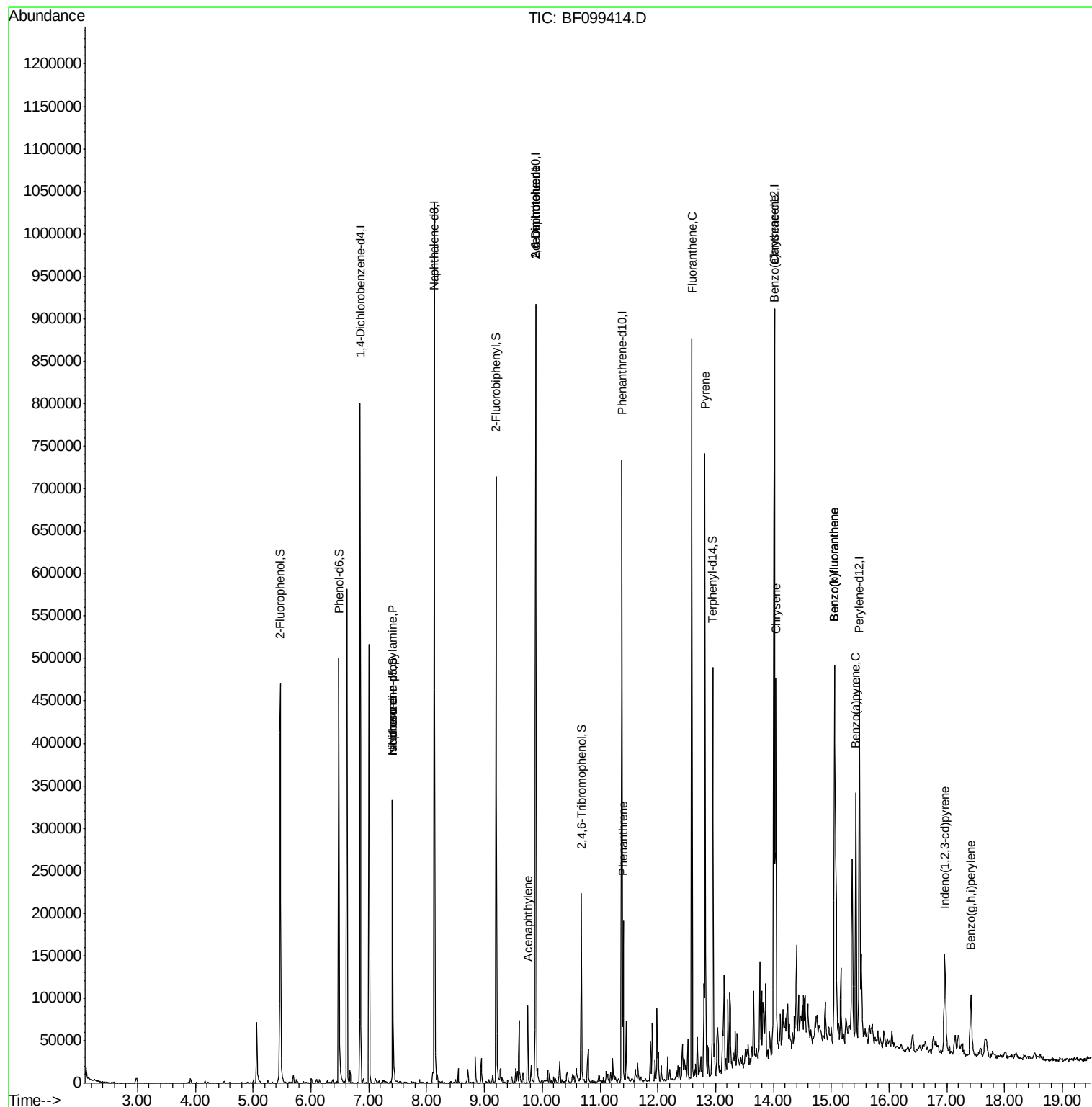
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	112134	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	433133	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	168564	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	239262	20.00	ng	0.00
75) Chrysene-d12	14.02	240	211754	20.00	ng	0.00
86) Perylene-d12	15.49	264	174997	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	154757	21.97	ng	0.00
7) Phenol-d6	6.48	99	187598	21.59	ng	0.00
23) Nitrobenzene-d5	7.41	82	104002	15.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	22697	16.46	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	211043	20.90	ng	0.00
78) Terphenyl-d14	12.95	244	131245	14.10	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	12942	2.33	ng	# 79
25) Isophorone	7.41	82	104016	7.45	ng	# 64
48) Acenaphthylene	9.75	152	39881	2.40	ng	99
50) 2,6-Dinitrotoluene	9.89	165	21443	7.74	ng	# 25
56) 2,4-Dinitrotoluene	9.89	165	21443	5.97	ng	# 23
70) Phenanthrene	11.40	178	65139	5.09	ng	99
74) Fluoranthene	12.59	202	321352	24.78	ng	99
77) Pyrene	12.82	202	280990	17.40	ng	99
80) Benzo(a)anthracene	14.00	228	198479	15.48	ng	99
82) Chrysene	14.04	228	151464	12.41	ng	97
85) Indeno(1,2,3-cd)pyrene	16.96	276	64592	6.61	ng	99
87) Benzo(b)fluoranthene	15.06	252	289750	26.93	ng	# 96
88) Benzo(k)fluoranthene	15.06	252	289750	27.26	ng	99
89) Benzo(a)pyrene	15.42	252	133371	13.50	ng	# 95
91) Benzo(a,h,i)perylene	17.42	276	57606	7.37	ng	95

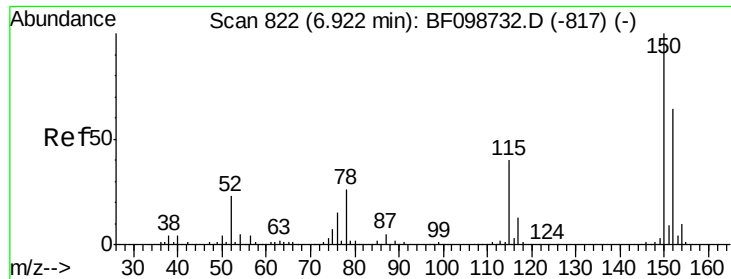
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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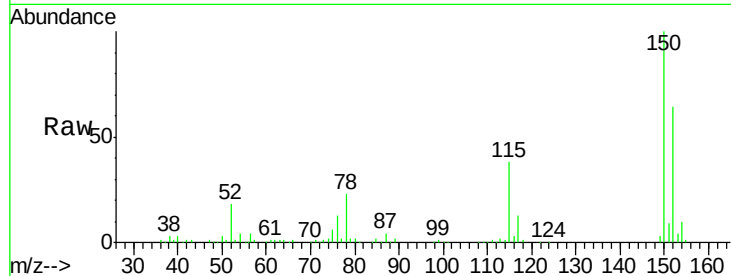


#1

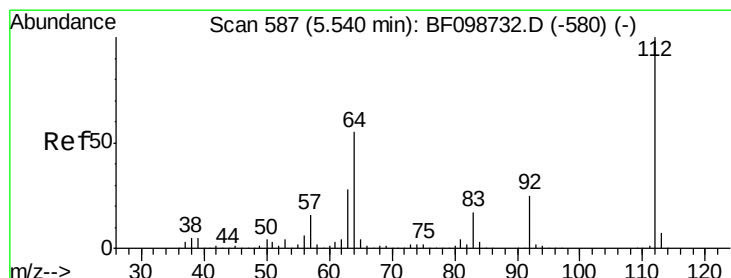
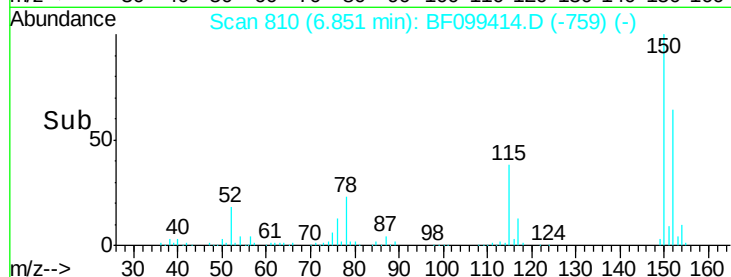
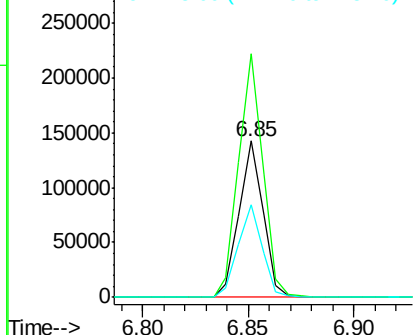
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF099414.D
 Acq: 13 Oct 2017 00:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 112134
 Ion Ratio Lower Upper
 152 100
 150 155.8 124.6 186.8
 115 59.0 50.1 75.1



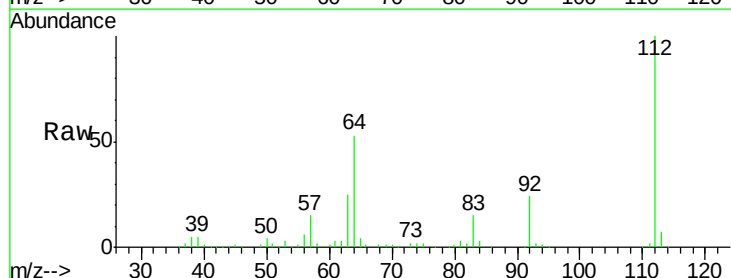
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



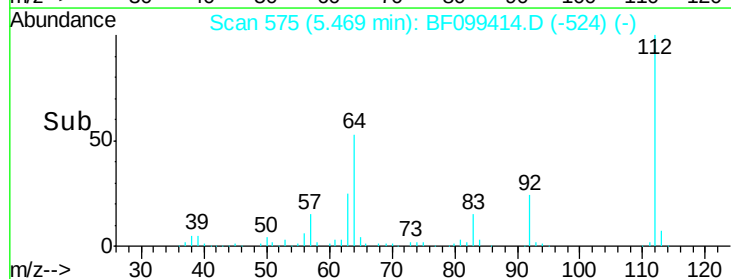
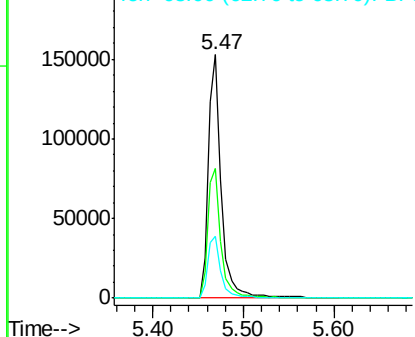
#5

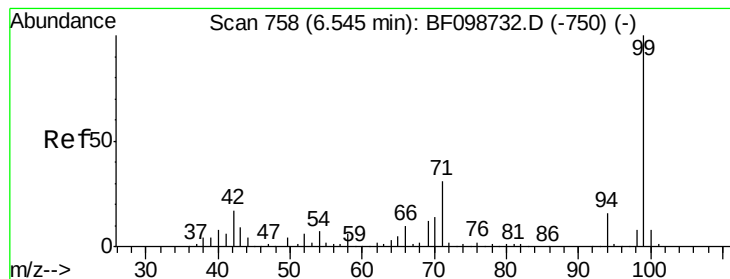
2-Fluorophenol
 Concen: 21.97 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: BF099414.D
 Acq: 13 Oct 2017 00:15

Tgt Ion:112 Resp: 154757
 Ion Ratio Lower Upper
 112 100
 64 53.3 47.9 71.9
 63 25.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.59 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

Instrument :

BNA_F

ClientSampled :

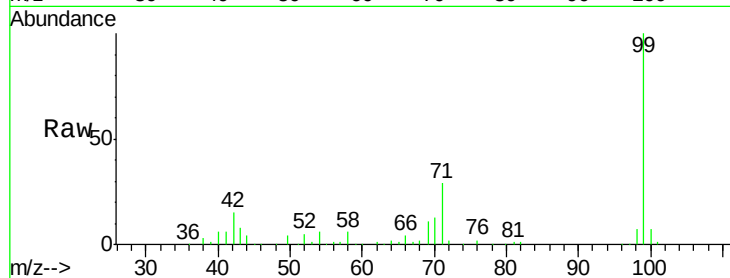
Tot Ion: 99 Resp: 187598

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

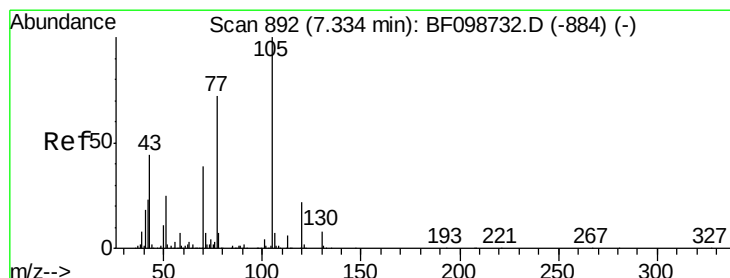
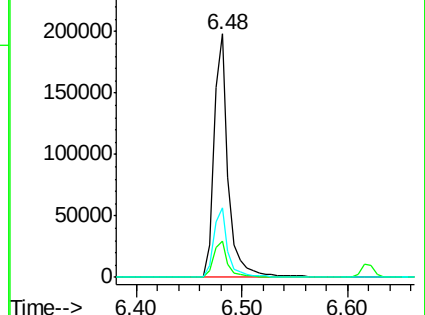
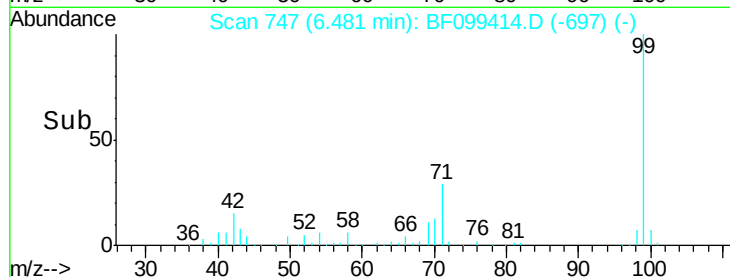
71 28.6 25.4 38.0



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: 2.33 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

Tgt Ion: 70 Resp: 12942

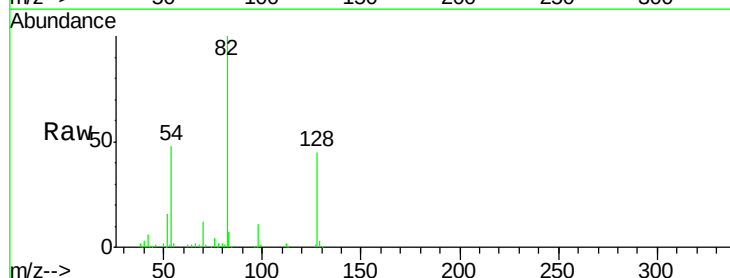
Ion Ratio Lower Upper

70 100

42 48.8 47.5 71.3

101 0.0 7.4 11.2#

130 3.0 16.6 25.0#

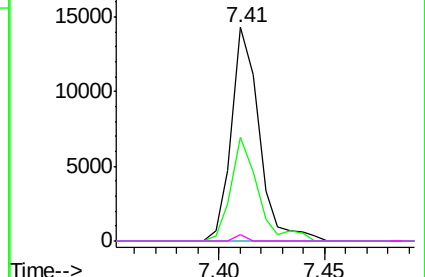
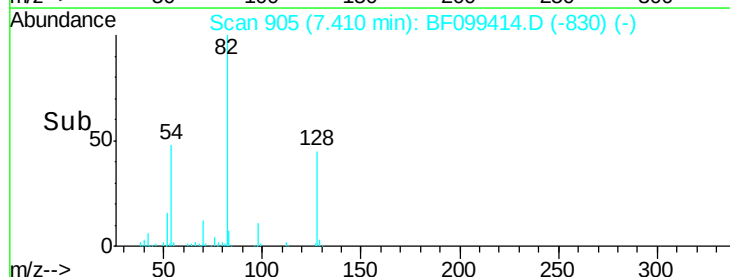


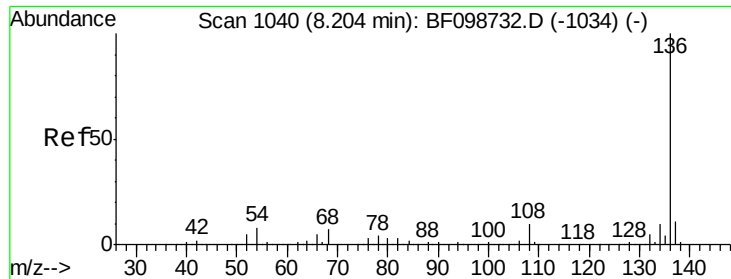
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

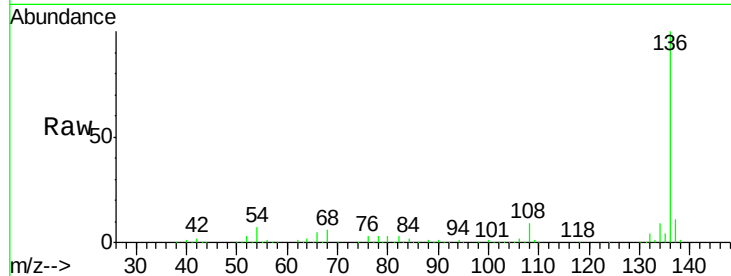




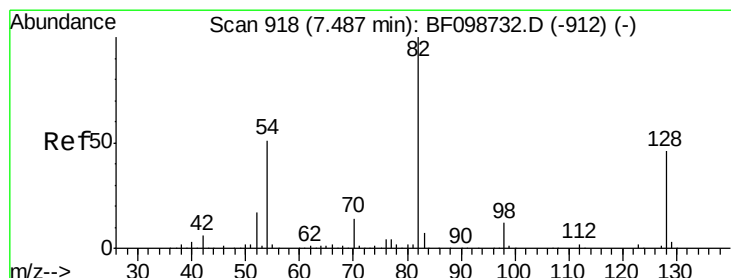
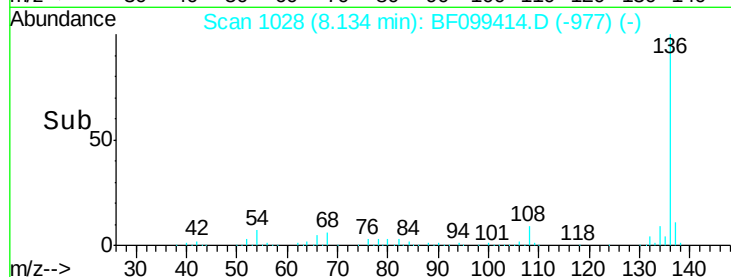
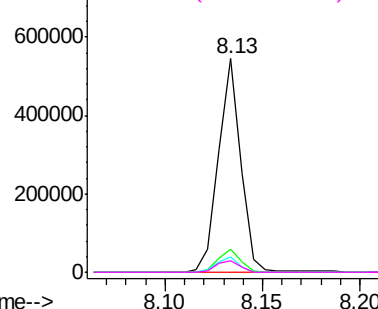
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	433133
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.9	13.3
54 7.1	6.6	9.8
68 5.6	5.0	7.4

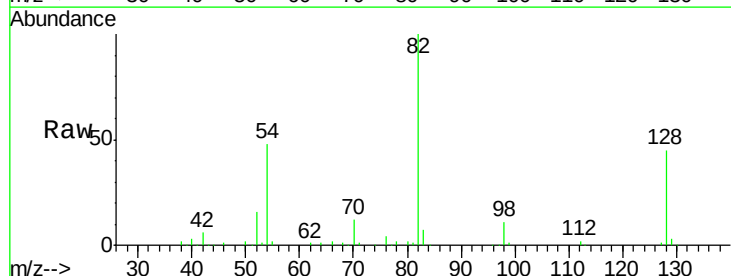


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

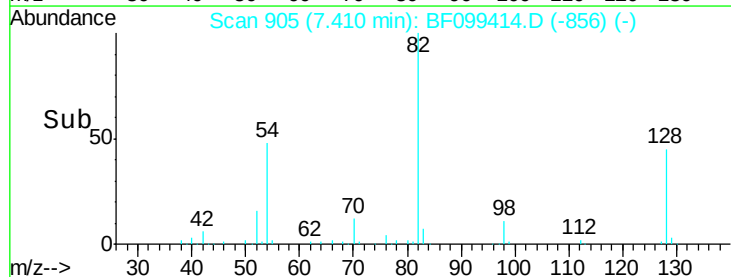
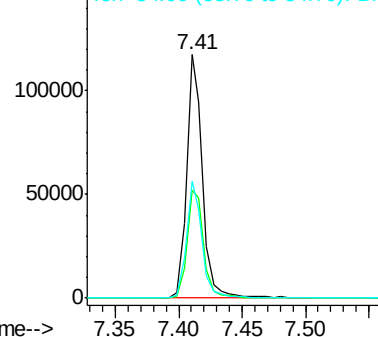


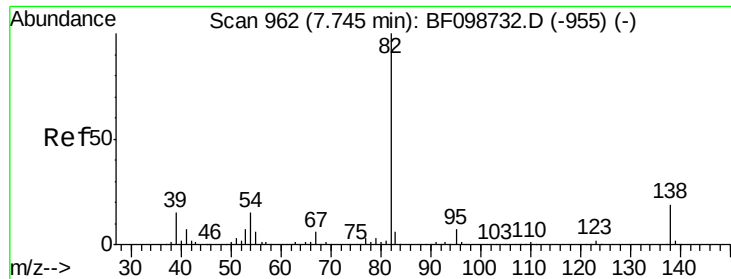
#23
Nitrobenzene-d5
Concen: 15.40 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Tgt Ion: 82	Resp: 104002
Ion Ratio	Lower Upper
82 100	
128 44.5	36.1 54.1
54 48.2	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: 7.45 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

Instrument :

BNA_F

ClientSampleId :

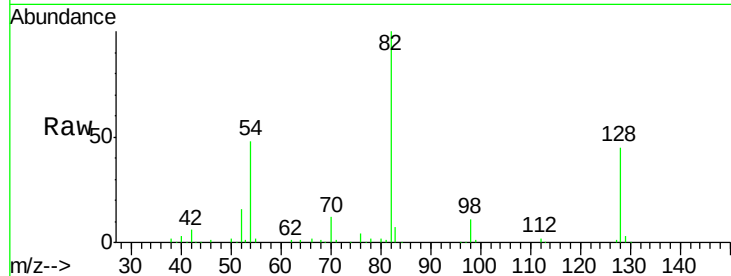
Tot Ion: 82 Resp: 104016

Ion Ratio Lower Upper

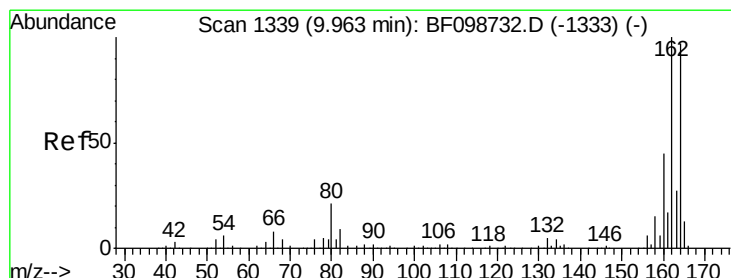
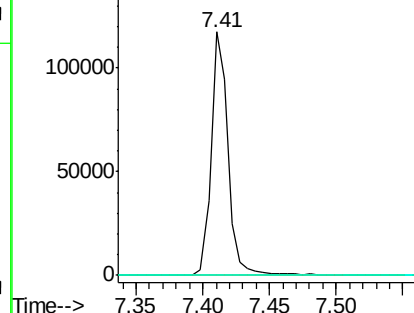
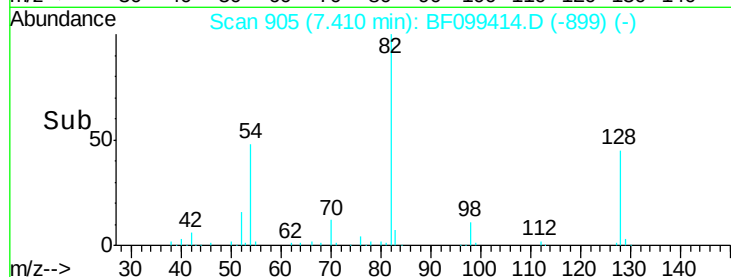
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

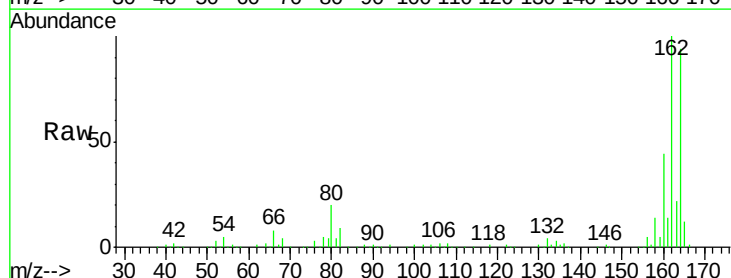
Tgt Ion: 164 Resp: 168564

Ion Ratio Lower Upper

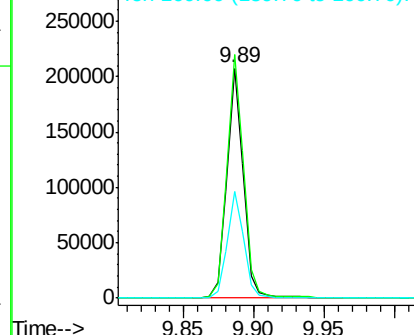
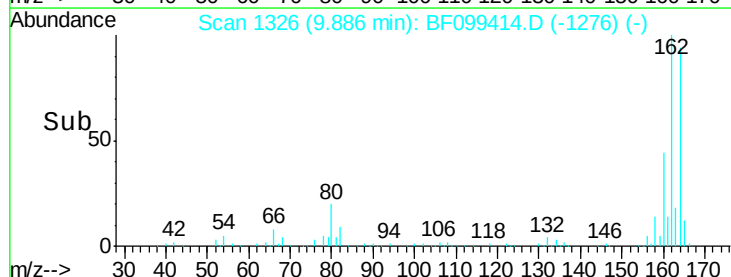
164 100

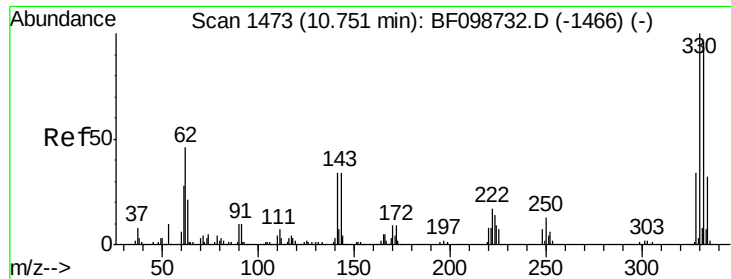
162 106.1 86.1 129.1

160 46.2 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

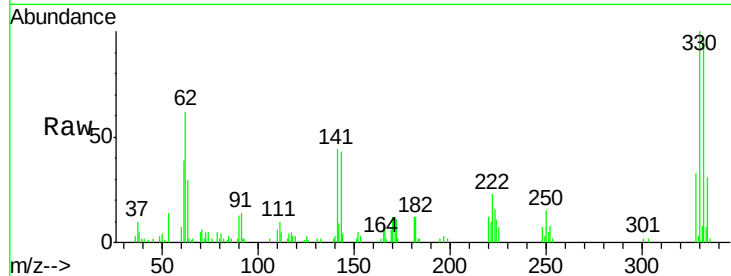




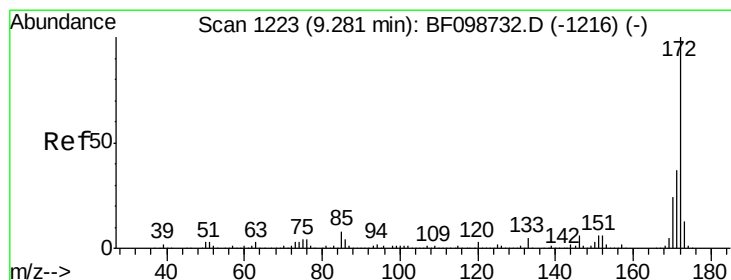
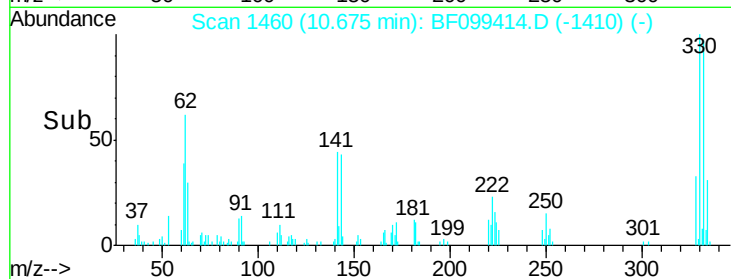
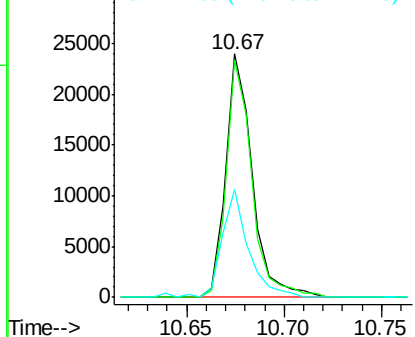
#41
 2,4,6-Tribromophenol
 Concen: 16.46 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099414.D
 Acq: 13 Oct 2017 00:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 22697
 Ion Ratio Lower Upper
 330 100
 332 94.0 77.0 115.6
 141 43.6 29.9 44.9

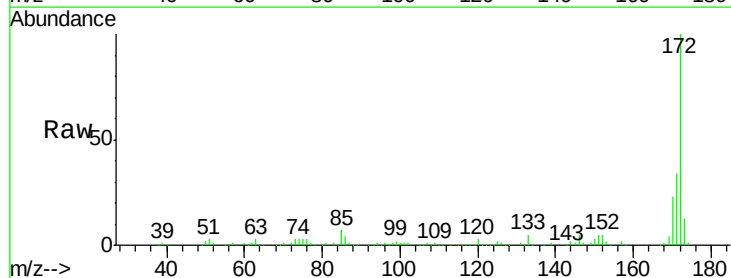


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

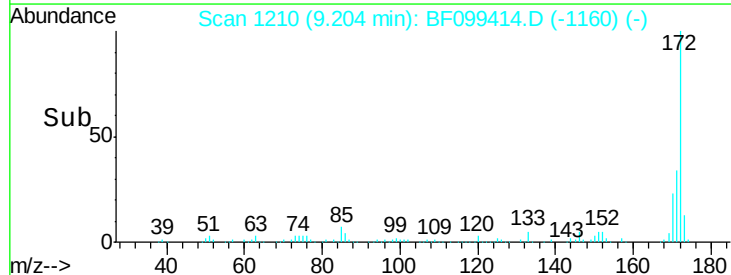
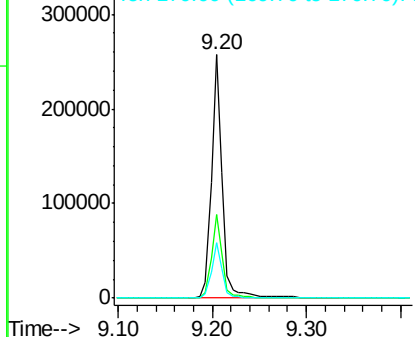


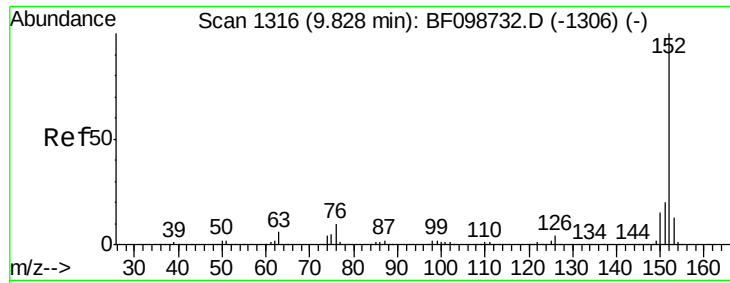
#44
 2-Fluorobiphenyl
 Concen: 20.90 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099414.D
 Acq: 13 Oct 2017 00:15

Tgt Ion:172 Resp: 211043
 Ion Ratio Lower Upper
 172 100
 171 34.4 29.7 44.5
 170 22.9 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





#48

Acenaphthylene

Concen: 2.40 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

Instrument :

BNA_F

ClientSampleId :

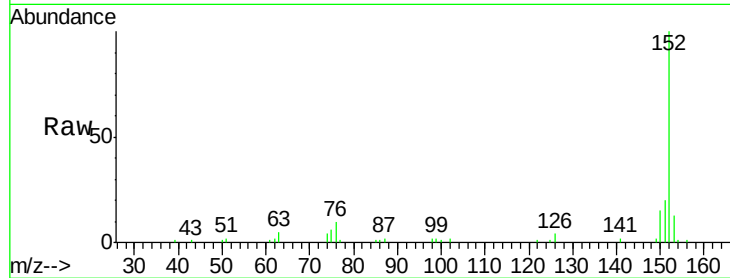
Tot Ion:152 Resp: 39881

Ion Ratio Lower Upper

152 100

151 19.6 16.3 24.5

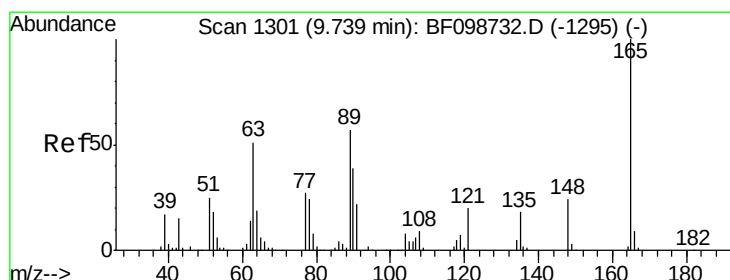
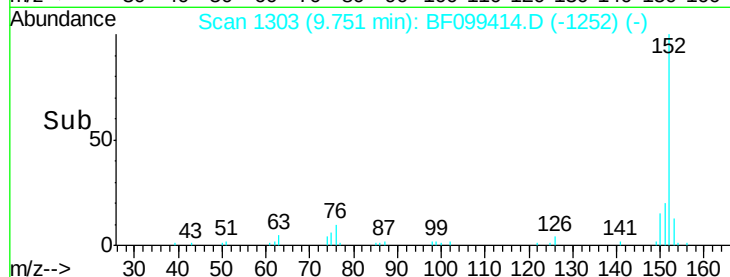
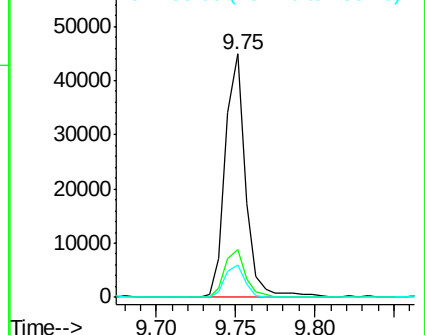
153 13.2 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 7.74 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.21 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

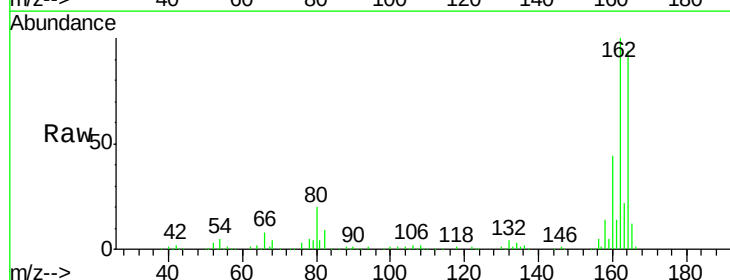
Tgt Ion:165 Resp: 21443

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

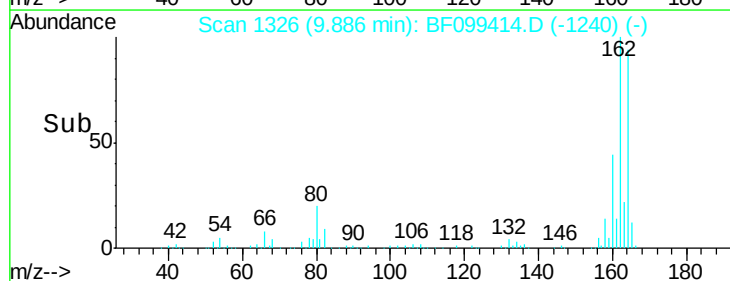
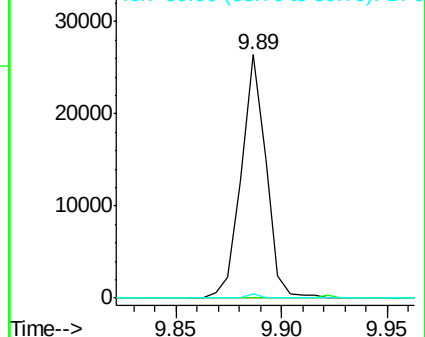
89 1.6 44.0 66.0#

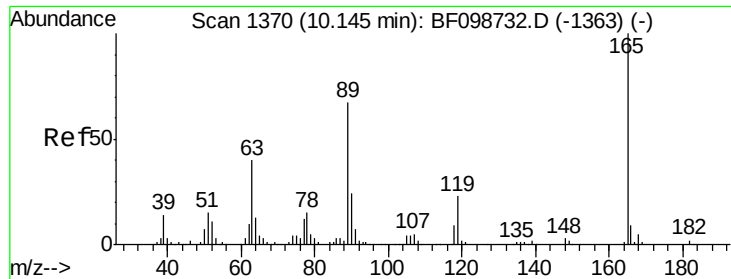


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

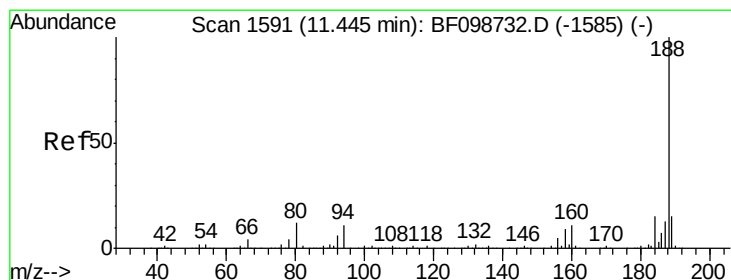
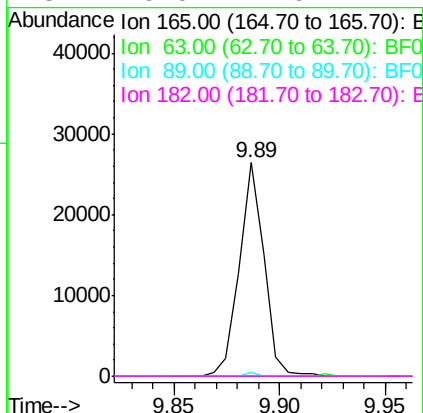
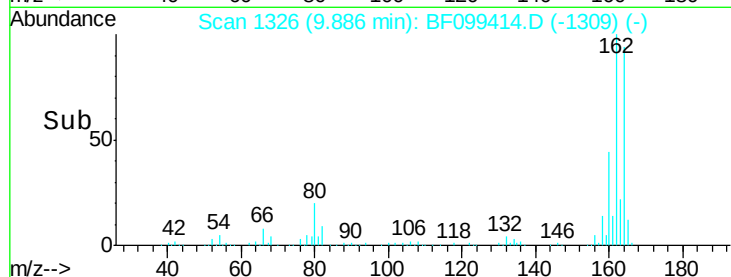
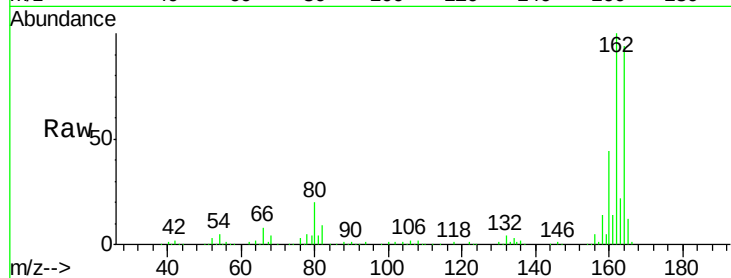




#56
 2,4-Dinitrotoluene
 Concen: 5.97 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF099414.D
 Acq: 13 Oct 2017 00:15

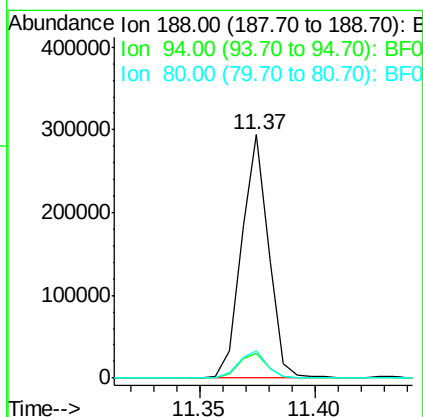
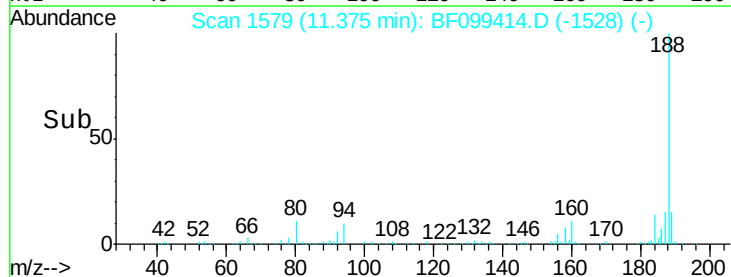
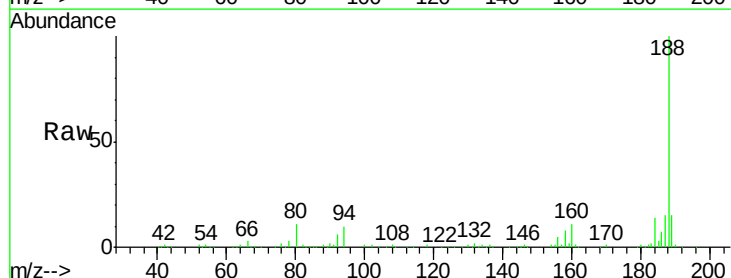
Instrument :
 BNA_F
 ClientSampleId :

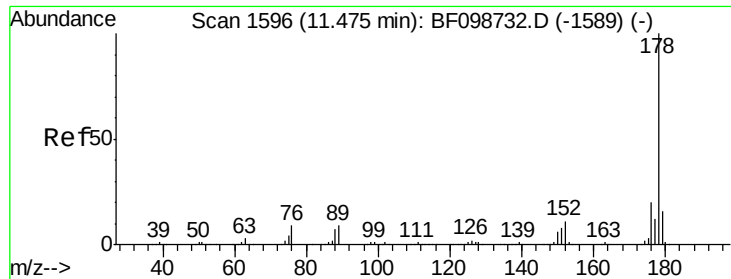
Tot Ion:165	Resp:	21443
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.6	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF099414.D
 Acq: 13 Oct 2017 00:15

Tgt Ion:188	Resp:	239262
Ion Ratio	Lower	Upper
188	100	
94	10.2	8.5 12.7
80	11.1	9.2 13.8





#70

Phenanthrene

Concen: 5.09 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

Instrument :

BNA_F

ClientSampled :

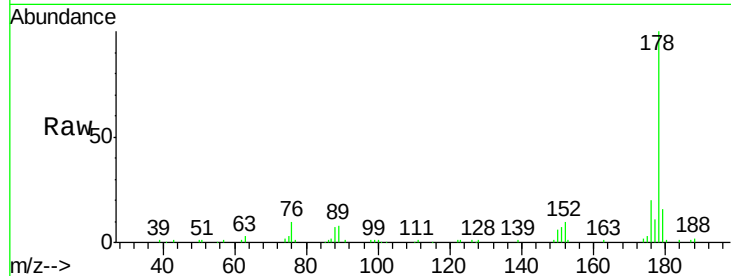
Tot Ion:178 Resp: 65139

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

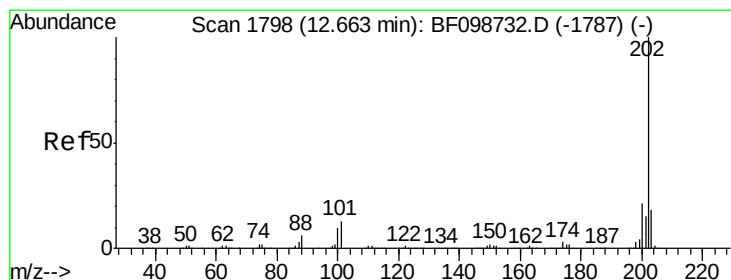
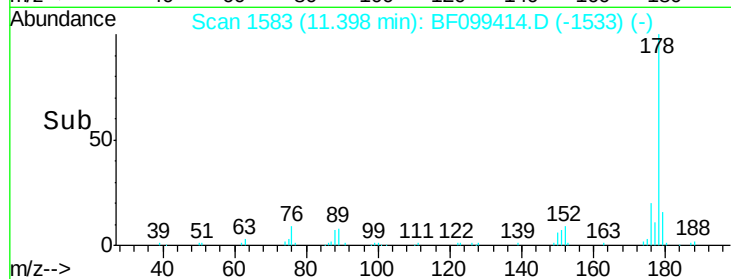
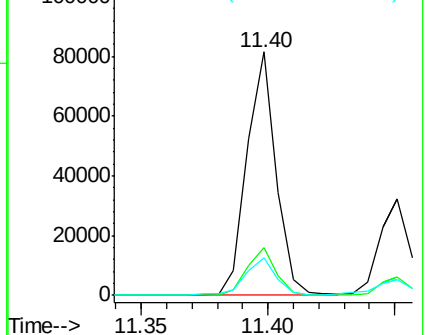
179 15.6 13.0 19.6



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: 24.78 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

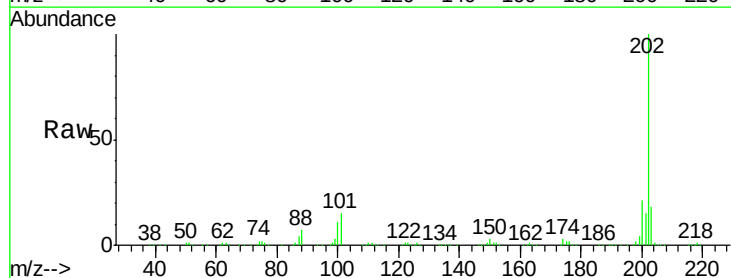
Tgt Ion:202 Resp: 321352

Ion Ratio Lower Upper

202 100

101 14.5 0.0 34.1

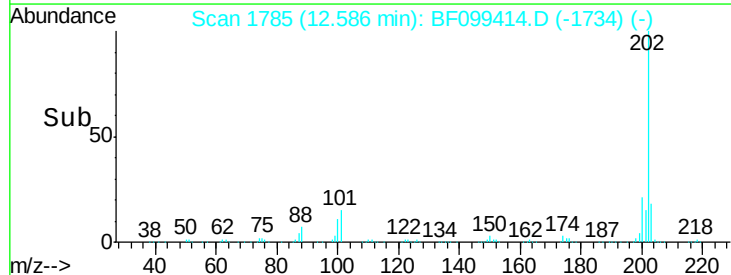
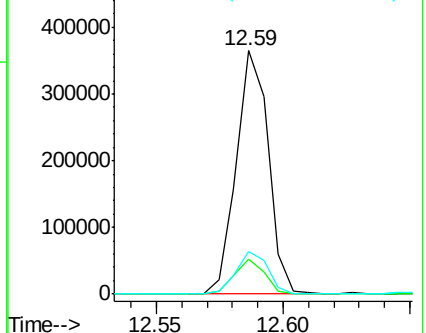
203 17.7 0.0 38.1

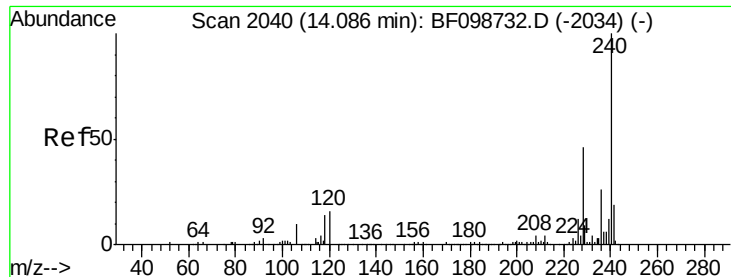


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

Instrument :

BNA_F

ClientSampleId :

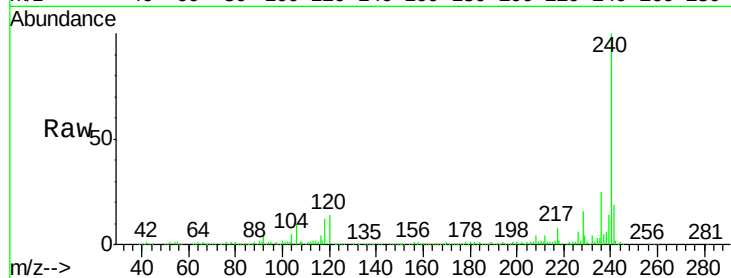
Tot Ion:240 Resp: 211754

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

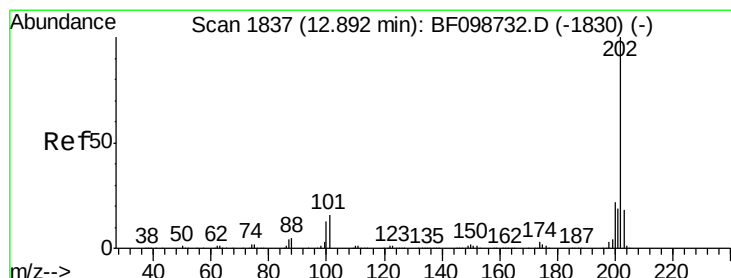
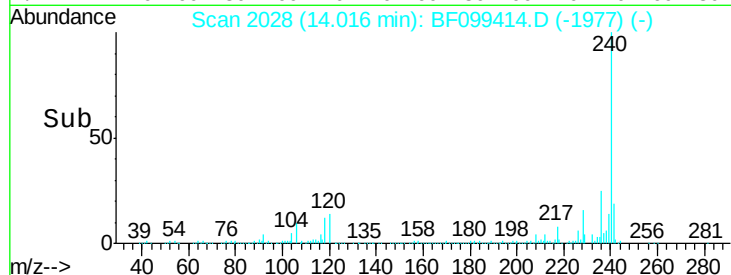
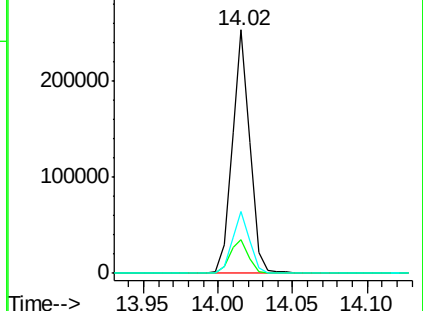
236 25.5 20.7 31.1



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: 17.40 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

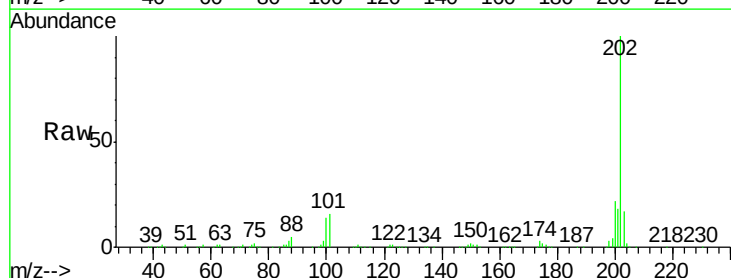
Tgt Ion:202 Resp: 280990

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

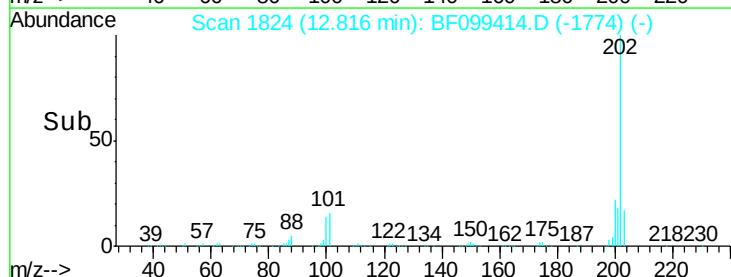
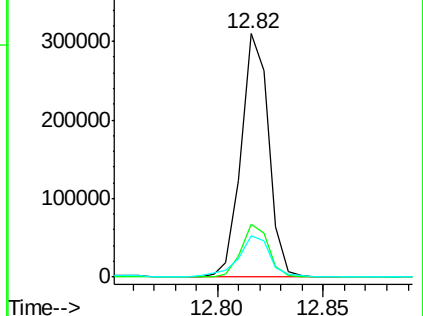
203 17.2 14.3 21.5

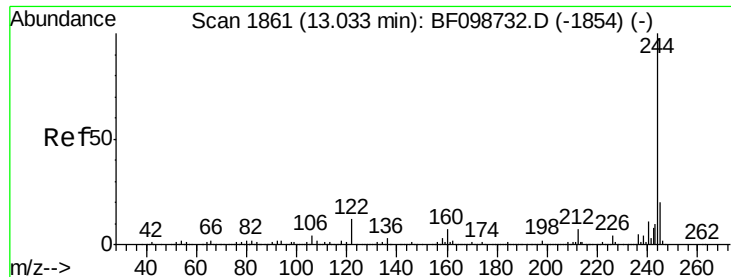


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.10 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

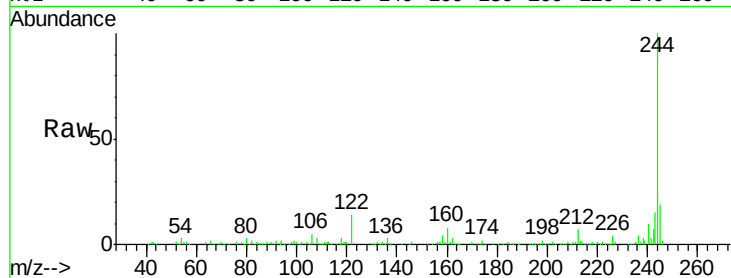
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 131245

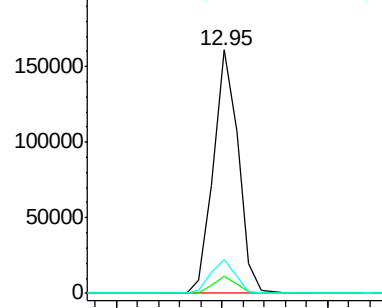
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	13.8	11.0	16.4



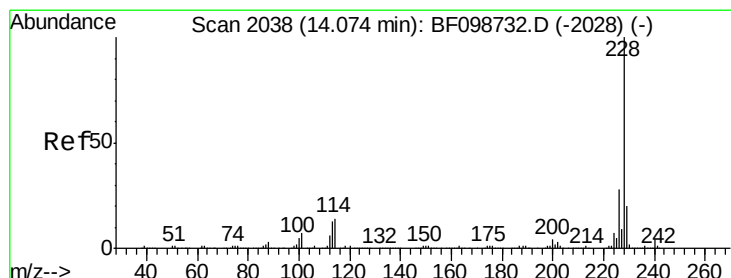
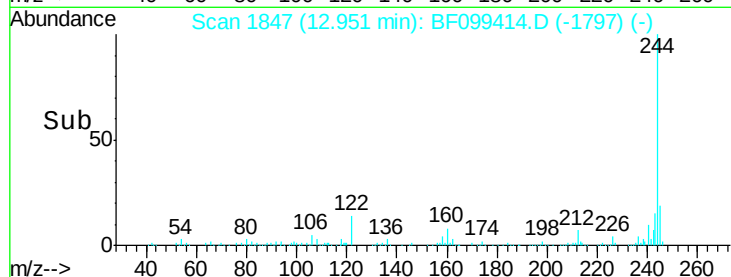
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 15.48 ng

RT: 14.00 min Scan# 2026

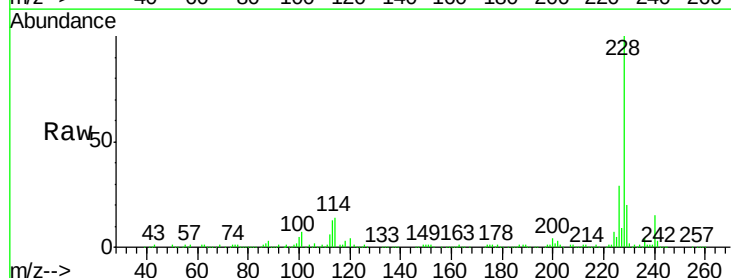
Delta R.T. 0.00 min

Lab File: BF099414.D

Acq: 13 Oct 2017 00:15

Tgt Ion:228 Resp: 198479

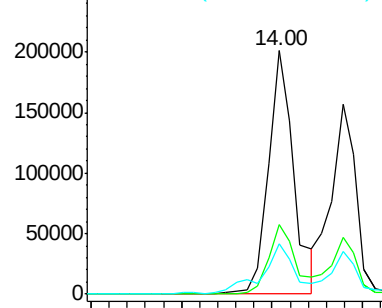
Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.5	15.8	23.6



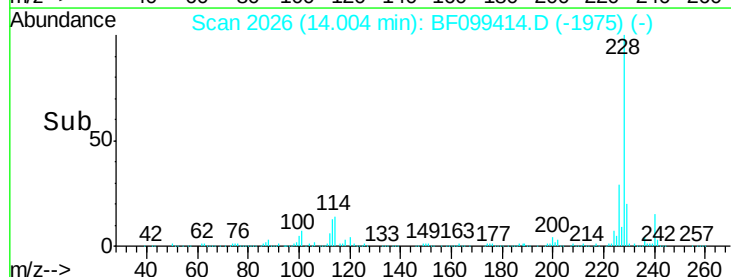
Abundance Ion 228.00 (227.70 to 228.70): E

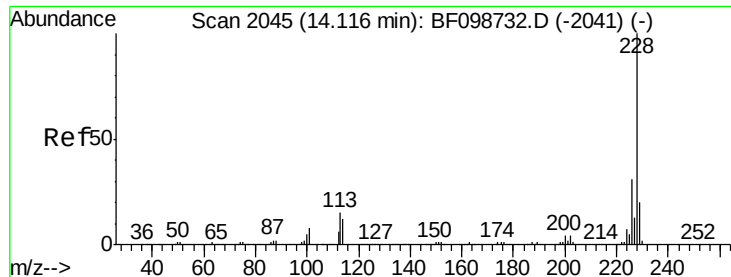
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->

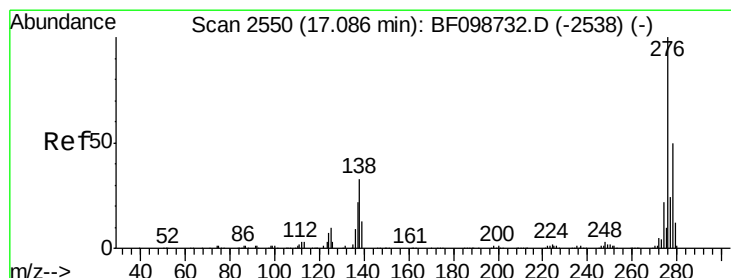
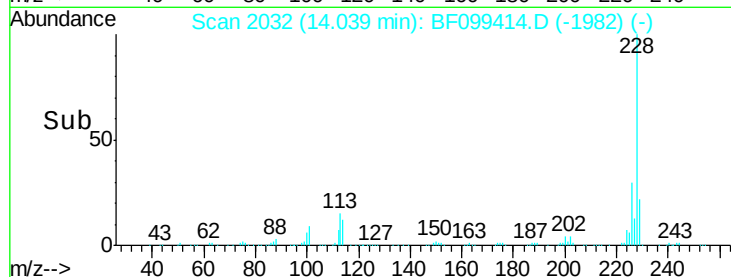
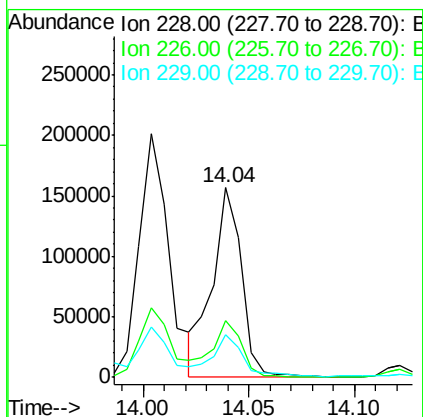
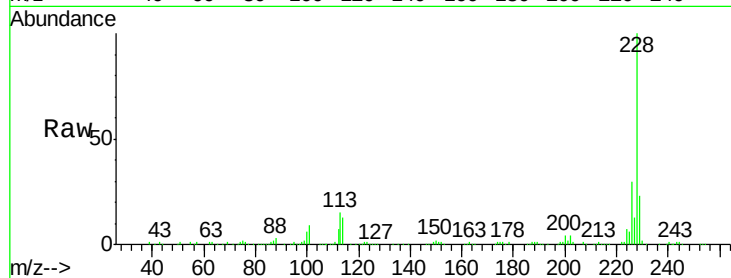




#82
Chrysene
Concen: 12.41 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

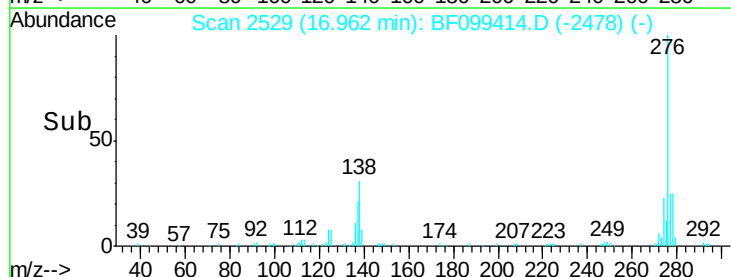
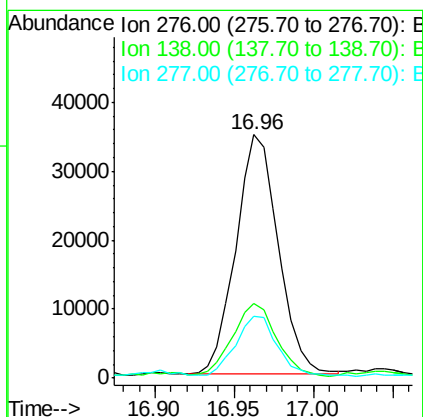
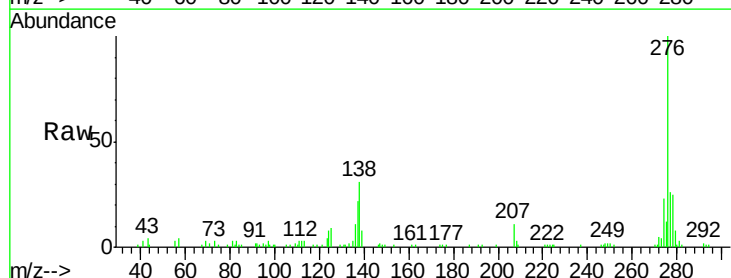
Instrument :
BNA_F
ClientSampled :

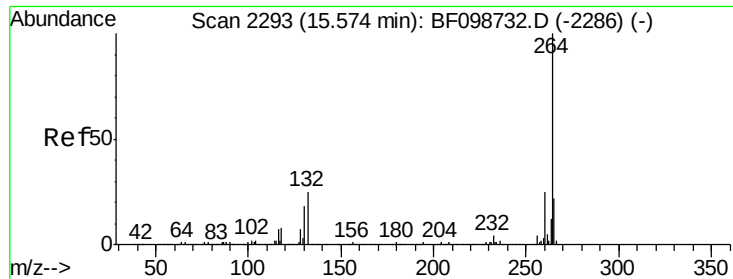
Tot Ion:228 Resp: 151464
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 22.5 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 6.61 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.00 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Tgt Ion:276 Resp: 64592
Ion Ratio Lower Upper
276 100
138 32.0 25.0 37.6
277 24.7 20.1 30.1

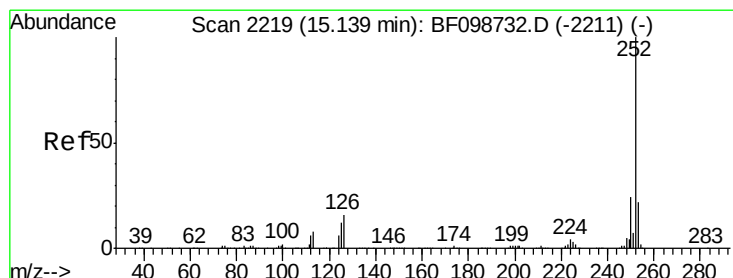
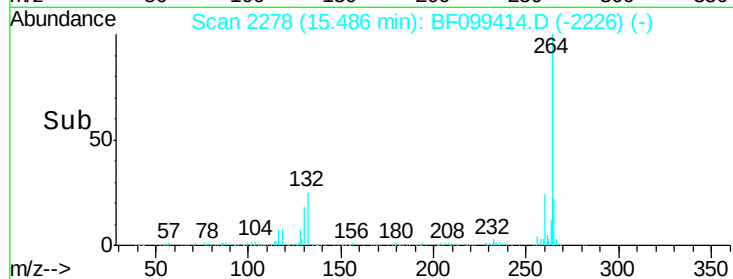
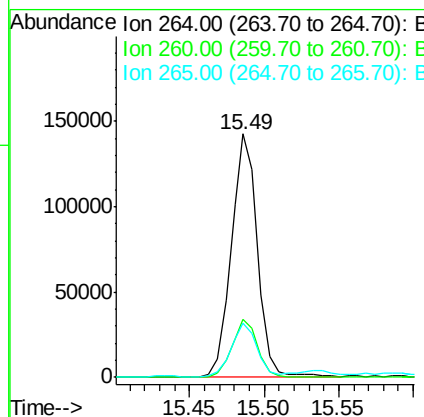
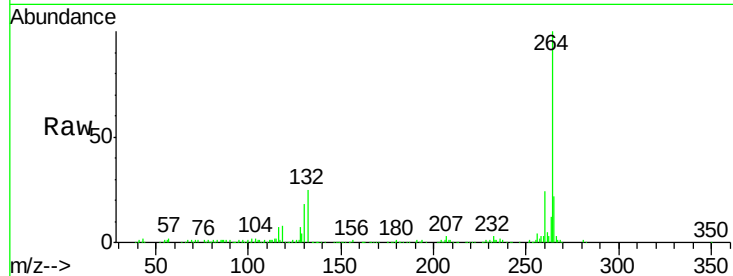




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

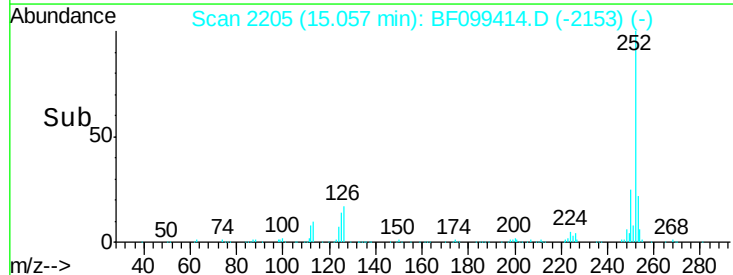
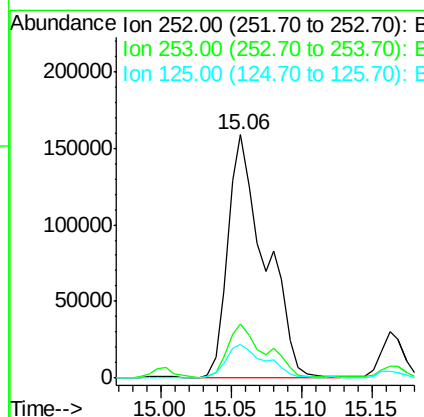
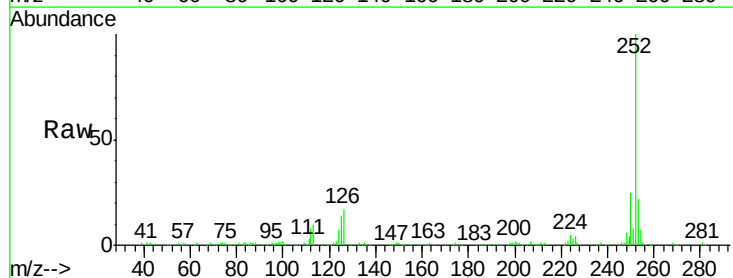
Instrument :
BNA_F
ClientSampleId :

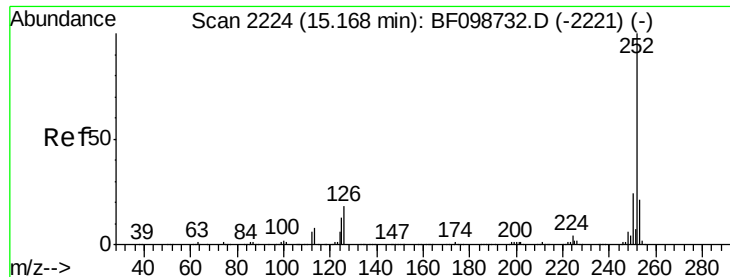
Tot Ion:264 Resp: 174997
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 26.93 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Tgt Ion:252 Resp: 289750
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 14.1 9.0 13.6#

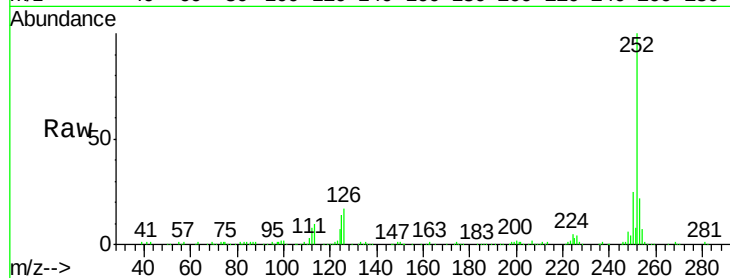




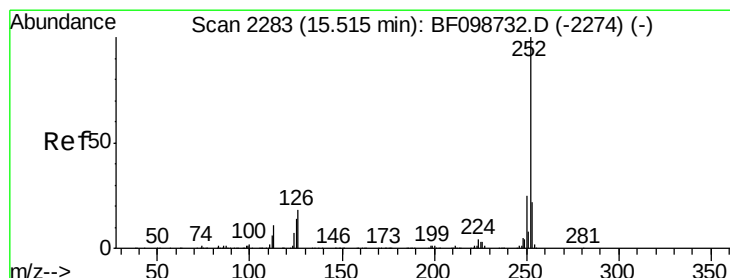
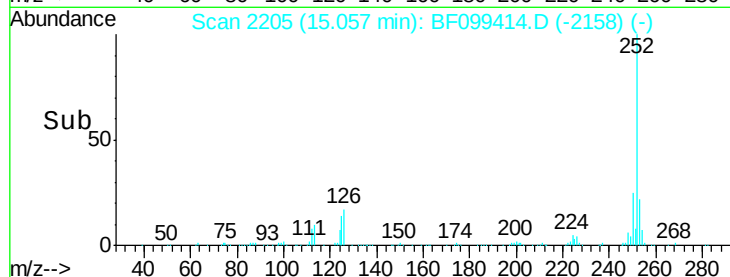
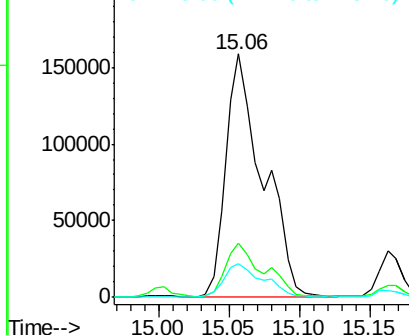
#88
Benzo(k)fluoranthene
Concen: 27.26 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	14.1	10.2	15.2

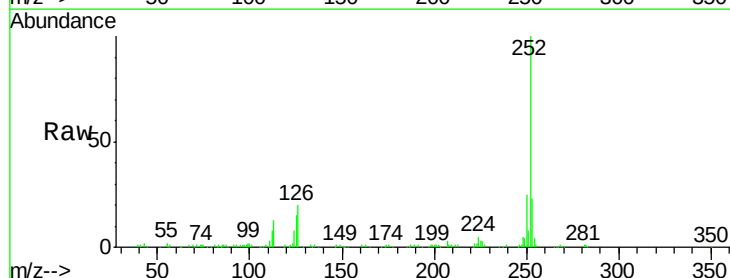


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

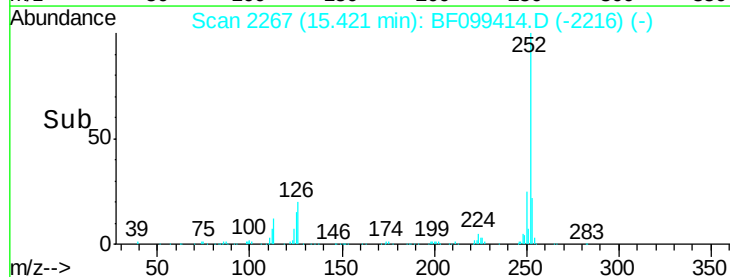
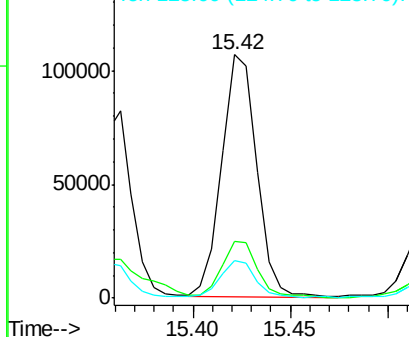


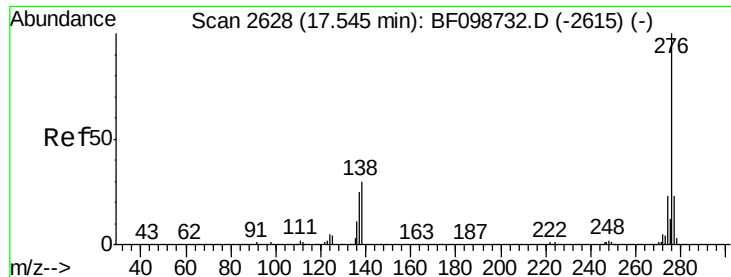
#89
Benzo(a)pyrene
Concen: 13.50 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF099414.D
Acq: 13 Oct 2017 00:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	15.4	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

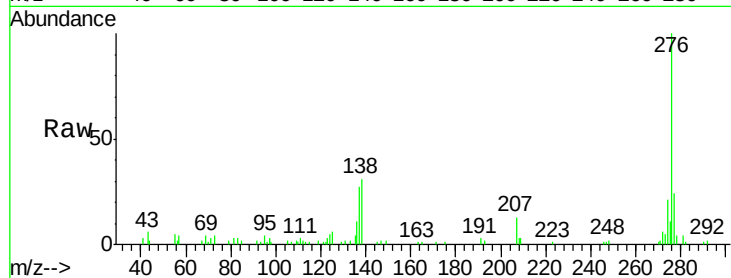




#91
 Benzo(a,h,i)perylene
 Concen: 7.37 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. 0.01 min
 Lab File: BF099414.D
 Acq: 13 Oct 2017 00:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	30.6	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

