

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099417.D
 Acq On : 13 Oct 2017 1:38
 Operator : SJ/JU
 Sample : I5779-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 04:38:03 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

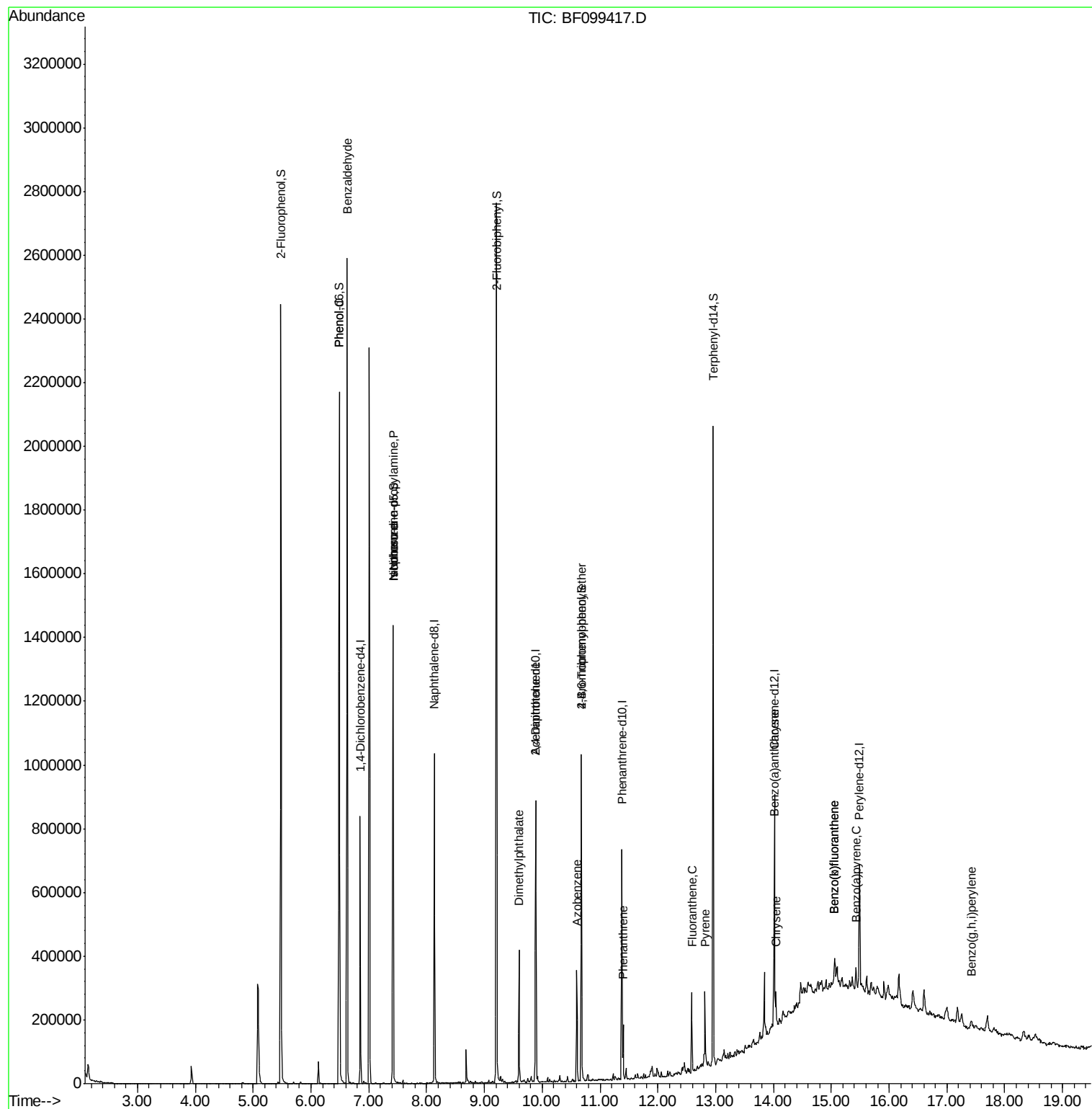
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	116864	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	444632	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	162079	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	232143	20.00	ng	0.00
75) Chrysene-d12	14.02	240	216534	20.00	ng	0.00
86) Perylene-d12	15.49	264	165670	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	779132	106.13	ng	0.01
7) Phenol-d6	6.49	99	909004	100.37	ng	0.00
23) Nitrobenzene-d5	7.42	82	534516	77.09	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	127067	95.81	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	896643	92.35	ng	0.00
78) Terphenyl-d14	12.96	244	593632	62.35	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.63	77	14603	2.78	ng	92
10) Phenol	6.50	94	56496	5.58	ng	90
19) n-Nitroso-di-n-propylamine	7.42	70	67343	11.65	ng	# 74
25) Isophorone	7.42	82	534508	37.29	ng	# 64
49) Dimethylphthalate	9.60	163	163187	13.34	ng	99
56) 2,4-Dinitrotoluene	9.89	165	20512	5.93	ng	# 23
62) Azobenzene	10.60	77	54853	4.99	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	8318	3.66	ng	# 1
70) Phenanthrene	11.40	178	56785	4.57	ng	99
74) Fluoranthene	12.59	202	89882	7.14	ng	97
77) Pyrene	12.82	202	81780	4.95	ng	98
80) Benzo(a)anthracene	14.00	228	44547	3.40	ng	98
82) Chrysene	14.04	228	38812	3.11	ng	98
87) Benzo(b)fluoranthene	15.06	252	52451	5.15	ng	# 79
88) Benzo(k)fluoranthene	15.06	252	52451	5.21	ng	# 82
89) Benzo(a)pyrene	15.43	252	25800	2.76	ng	# 84
91) Benzo(a,h,i)perylene	17.42	276	14977	2.02	ng	# 87

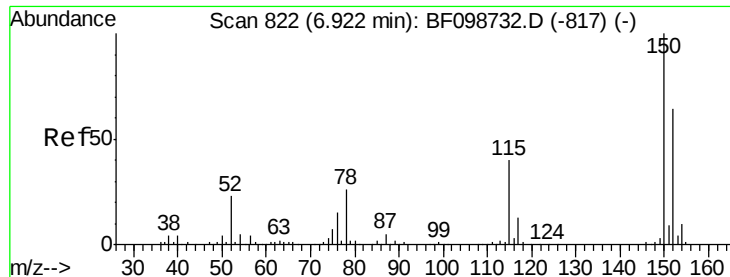
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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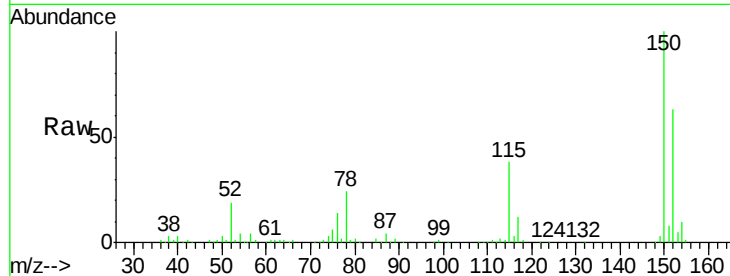


#1

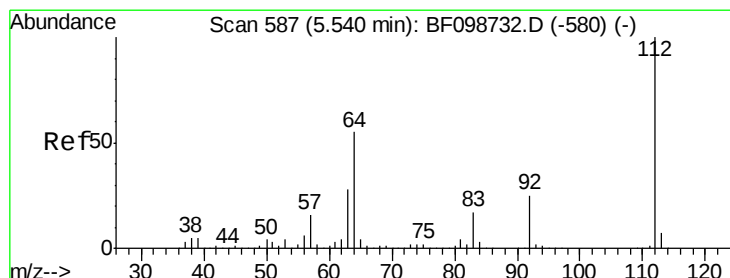
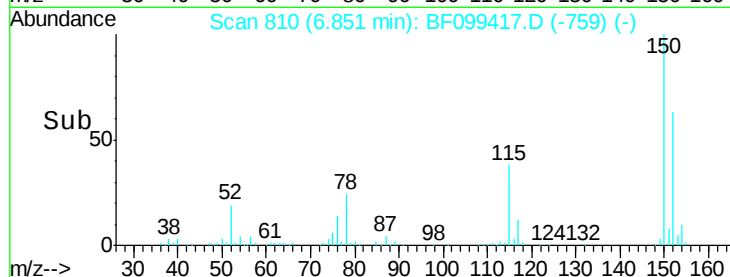
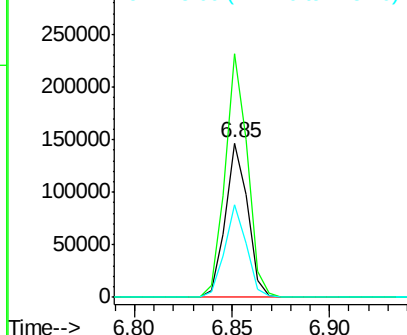
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116864
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 60.2 50.1 75.1



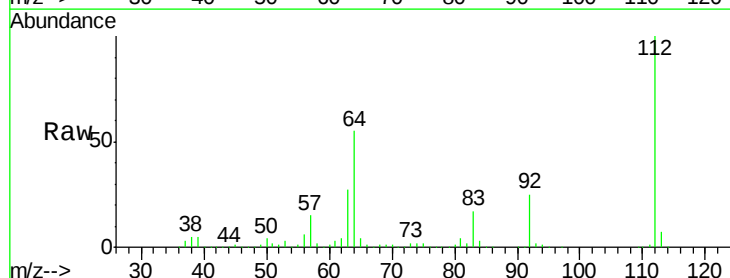
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



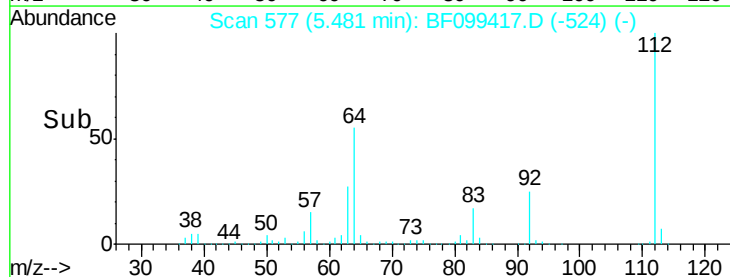
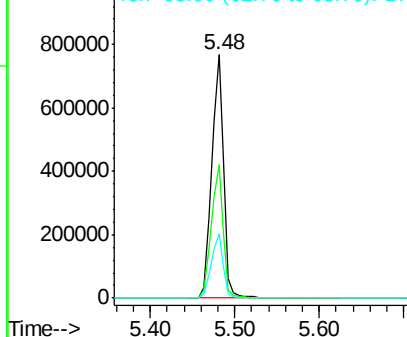
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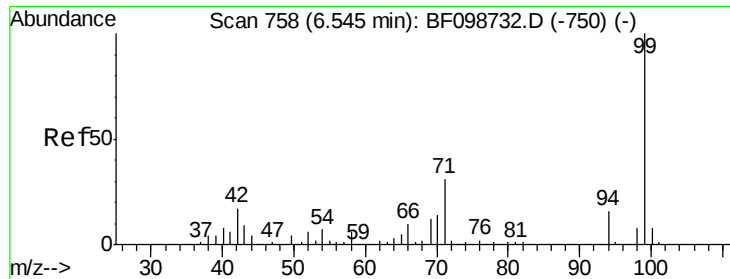
2-Fluorophenol
Concen: 106.13 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

Tgt Ion:112 Resp: 779132
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 26.7 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: 100.37 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF099417.D

Acq: 13 Oct 2017 1:38

Instrument :

BNA_F

ClientSampleId :

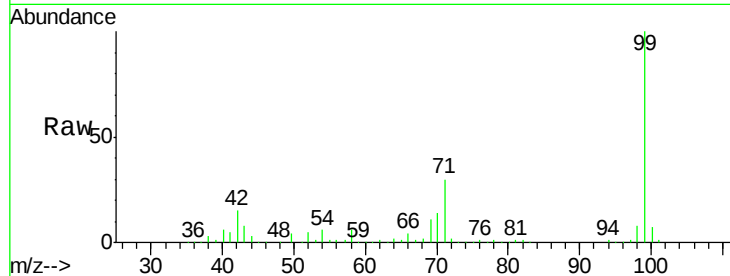
Tot Ion: 99 Resp: 909004

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

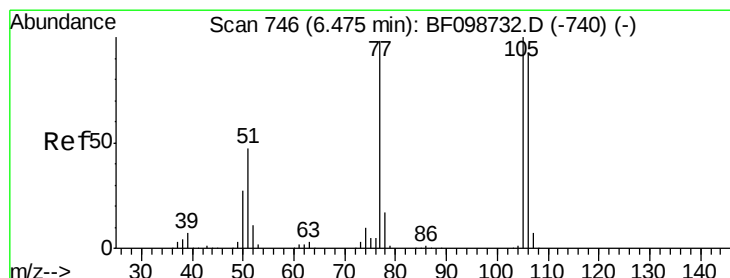
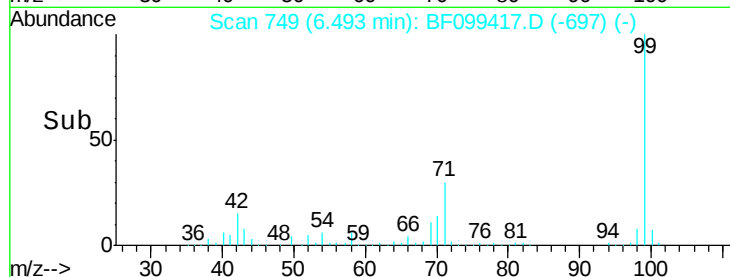
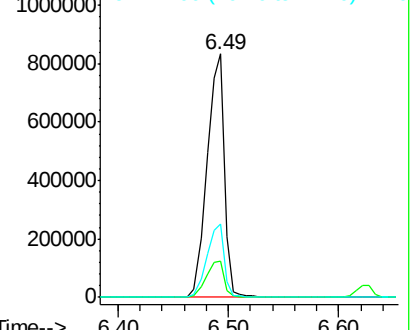
71 30.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.78 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.22 min

Lab File: BF099417.D

Acq: 13 Oct 2017 1:38

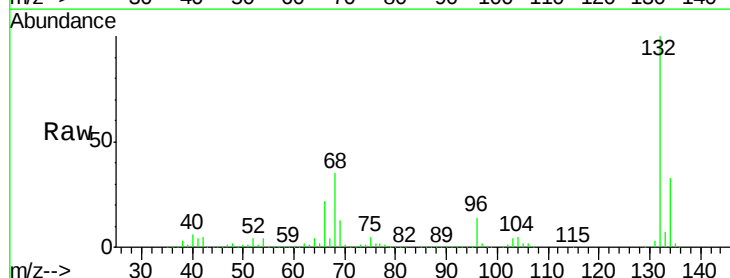
Tgt Ion: 77 Resp: 14603

Ion Ratio Lower Upper

77 100

105 93.6 81.1 121.1

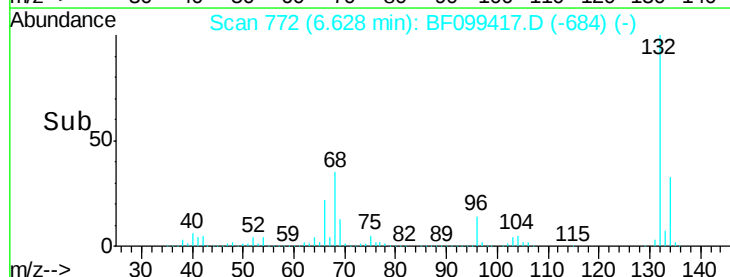
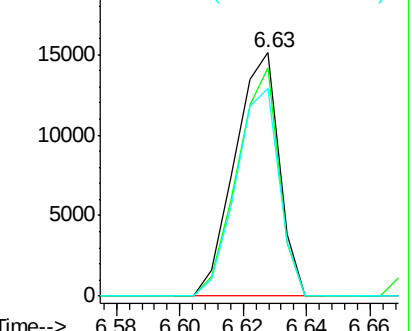
106 85.5 74.5 114.5

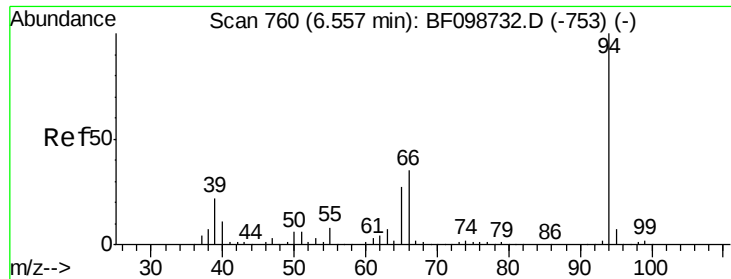


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

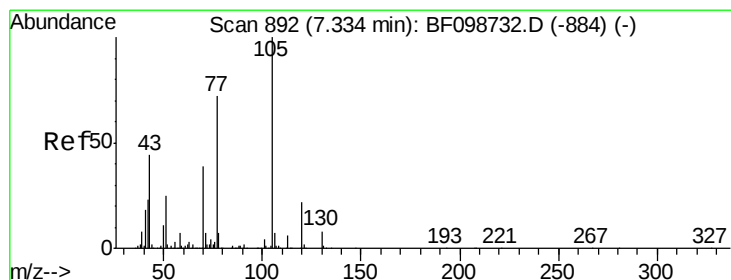
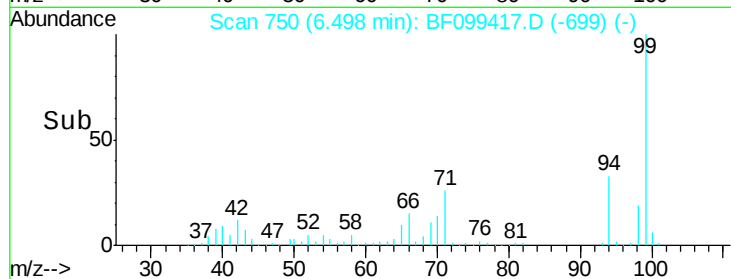
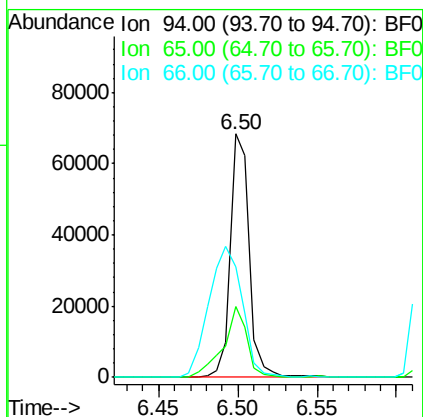
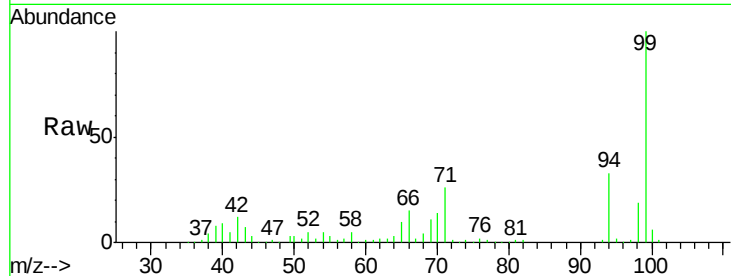




#10
Phenol
Concen: 5.58 ng
RT: 6.50 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

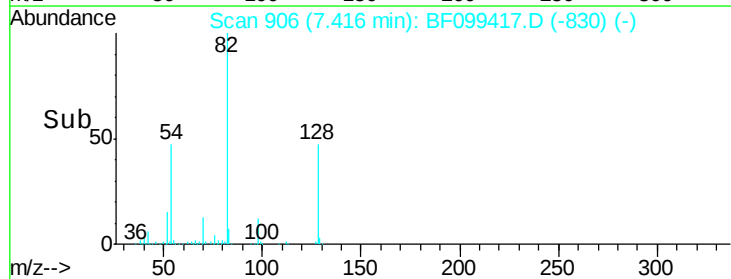
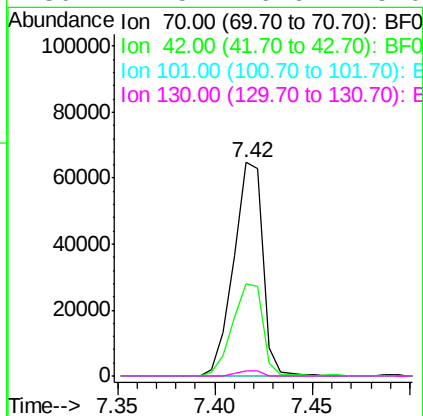
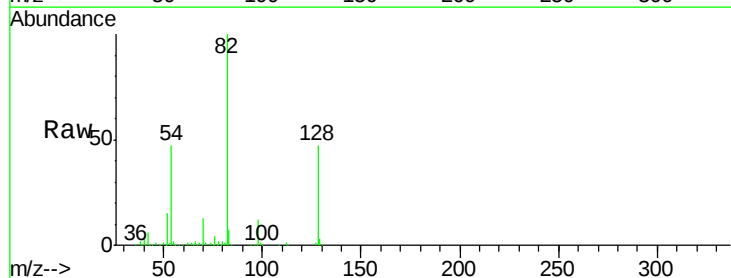
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 56496
Ion Ratio Lower Upper
94 100
65 29.1 7.9 47.9
66 45.2 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.65 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

Tgt Ion: 70 Resp: 67343
Ion Ratio Lower Upper
70 100
42 43.1 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#

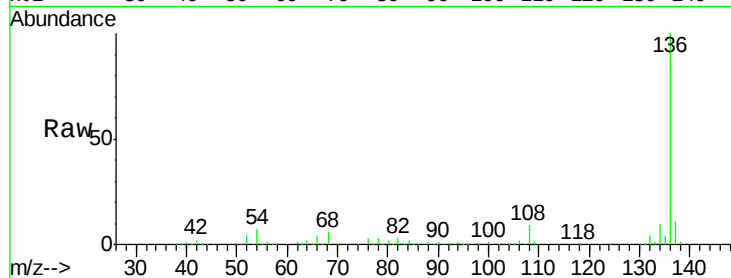




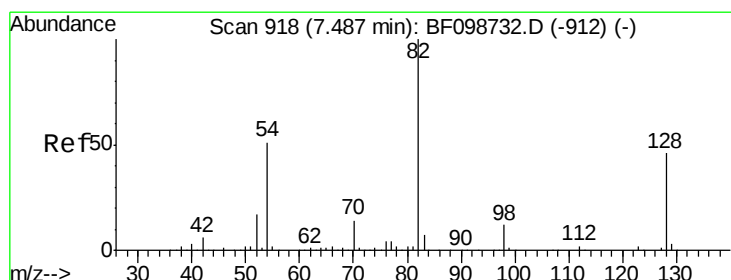
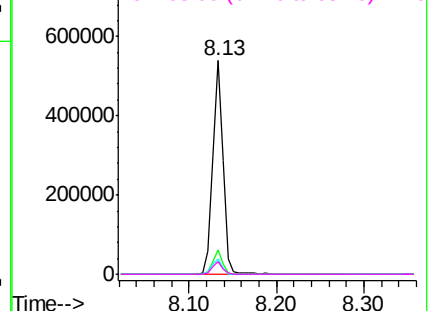
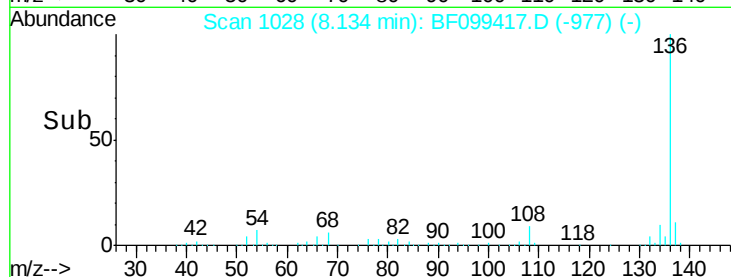
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	444632
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	7.2	6.6 9.8
68	5.9	5.0 7.4

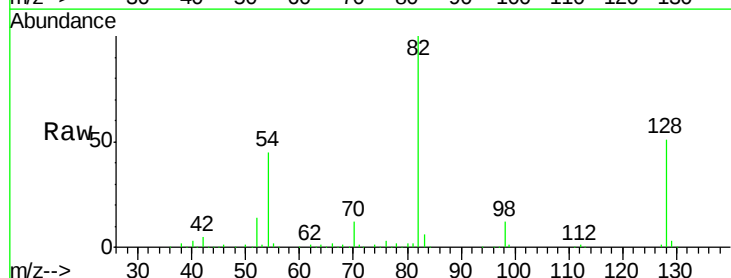


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

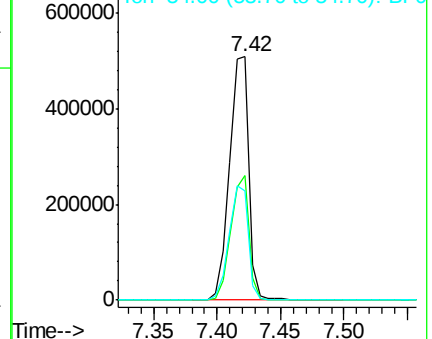
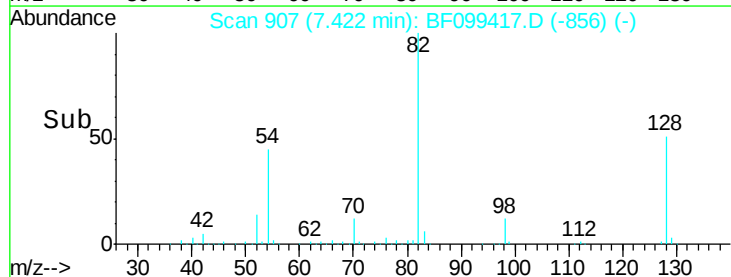


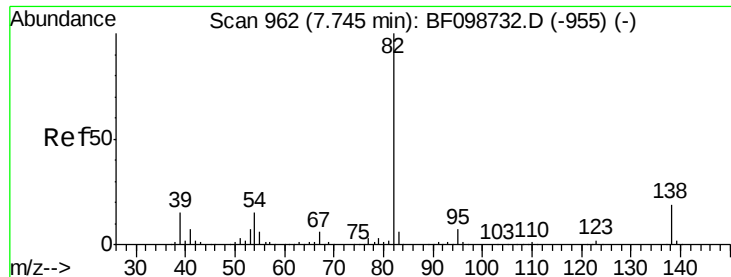
#23
Nitrobenzene-d5
Concen: 77.09 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.00 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

Tgt Ion: 82	Resp:	534516
Ion Ratio	Lower	Upper
82	100	
128	51.0	36.1 54.1
54	44.8	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: 37.29 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.25 min

Lab File: BF099417.D

Acq: 13 Oct 2017 1:38

Instrument :

BNA_F

ClientSampleId :

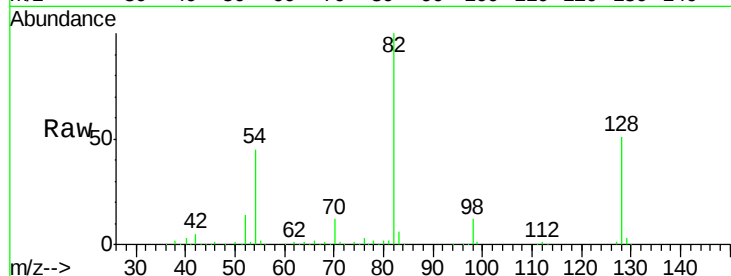
Tot Ion: 82 Resp: 534508

Ion Ratio Lower Upper

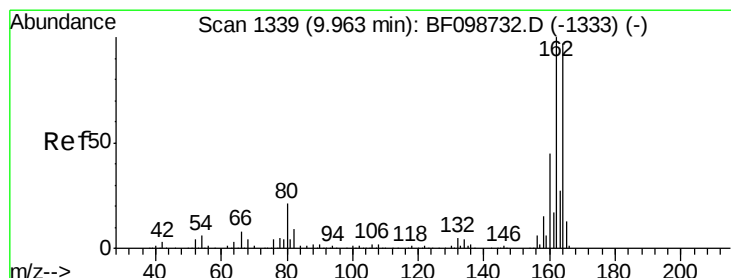
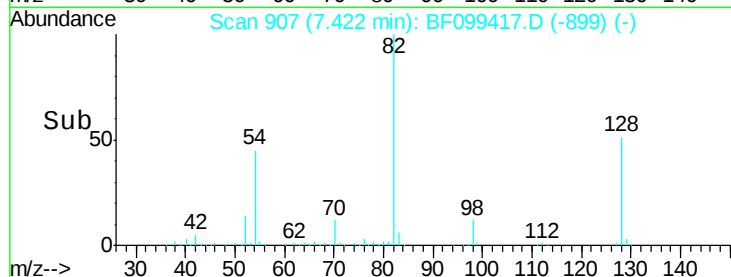
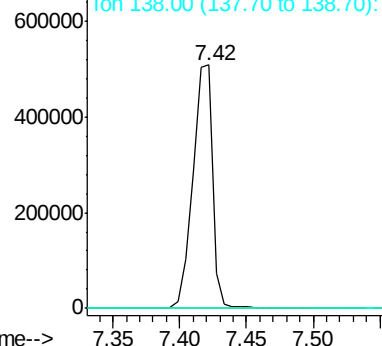
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099417.D

Acq: 13 Oct 2017 1:38

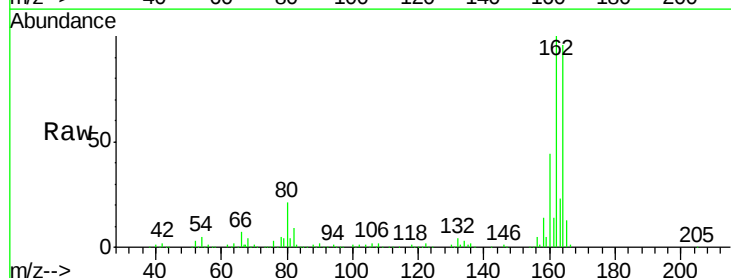
Tgt Ion:164 Resp: 162079

Ion Ratio Lower Upper

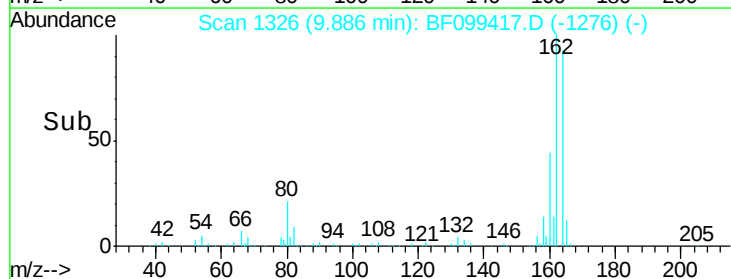
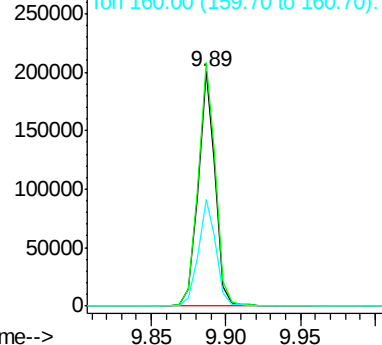
164 100

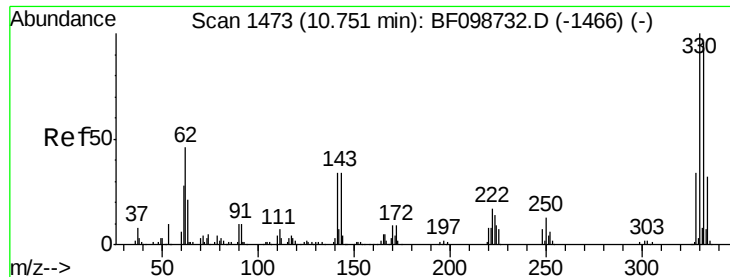
162 104.0 86.1 129.1

160 45.6 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

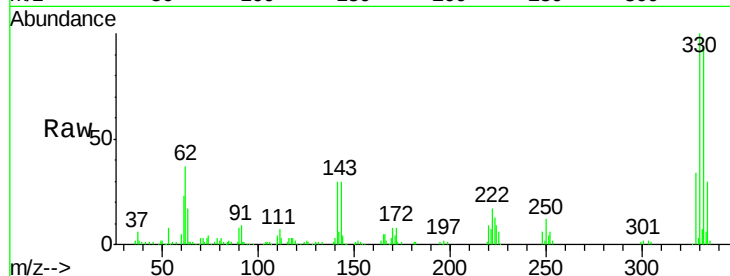




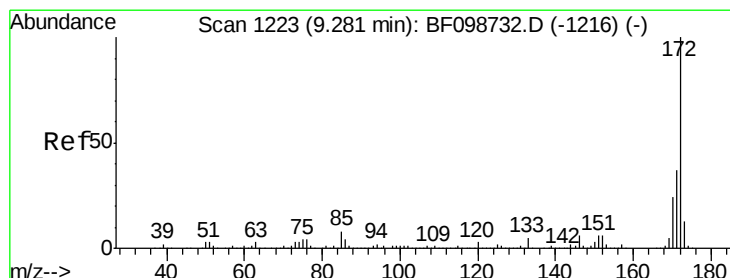
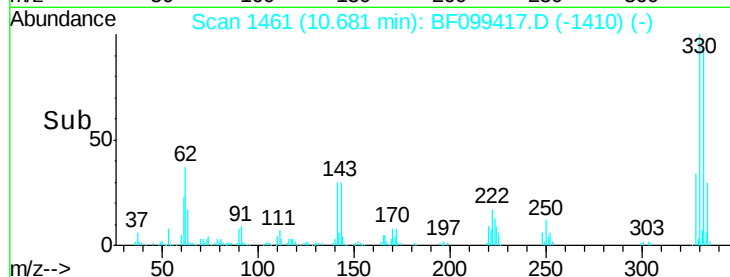
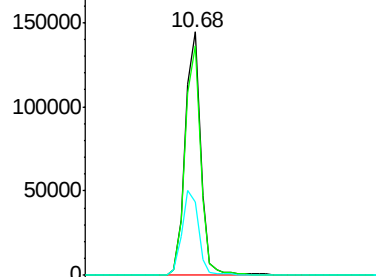
#41
 2,4,6-Tribromophenol
 Concen: 95.81 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BF099417.D
 Acq: 13 Oct 2017 1:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	37.7	29.9	44.9

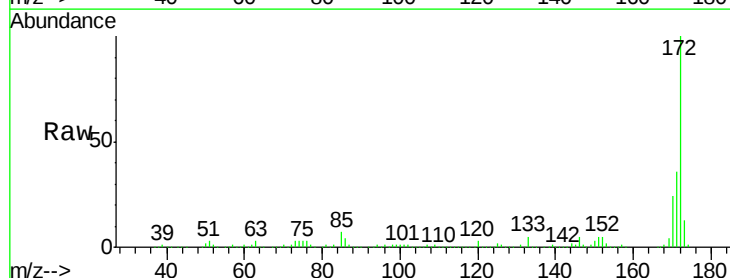


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

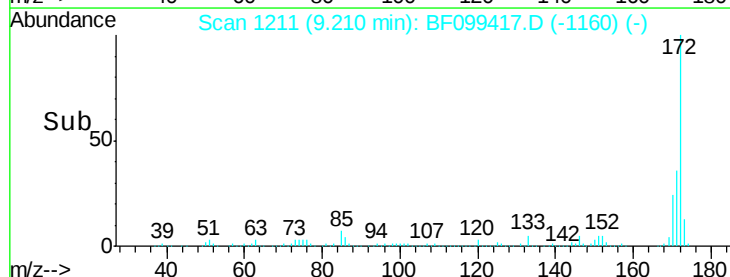
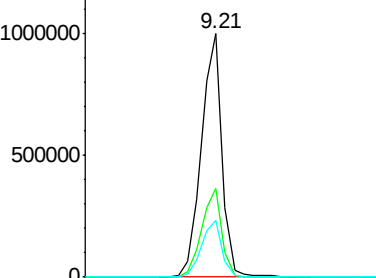


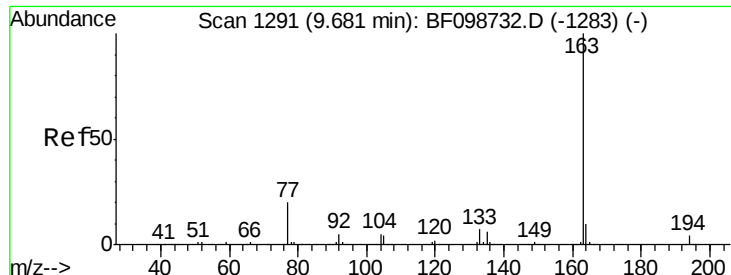
#44
 2-Fluorobiphenyl
 Concen: 92.35 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF099417.D
 Acq: 13 Oct 2017 1:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.5	19.6	29.4



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

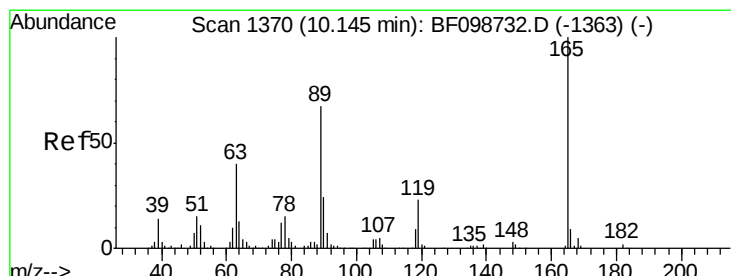
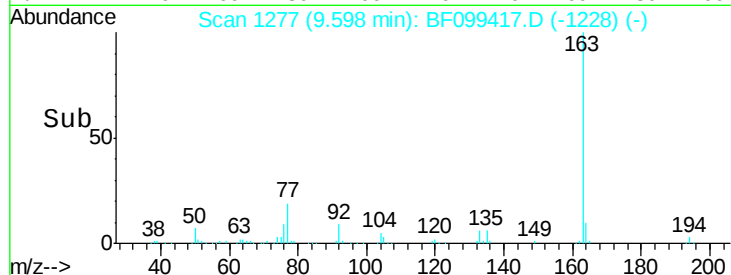
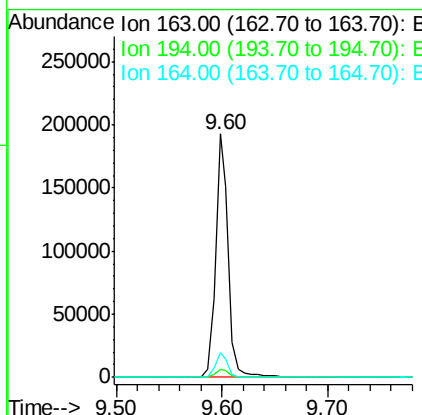
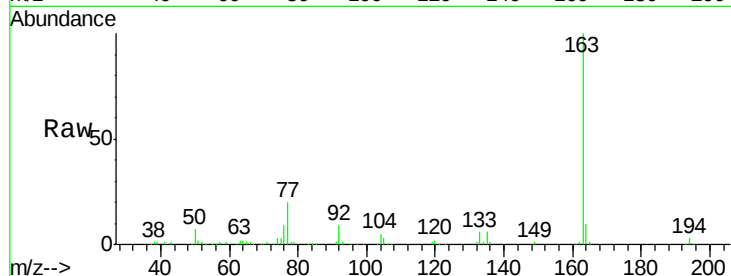




#49
Dimethylphthalate
Concen: 13.34 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

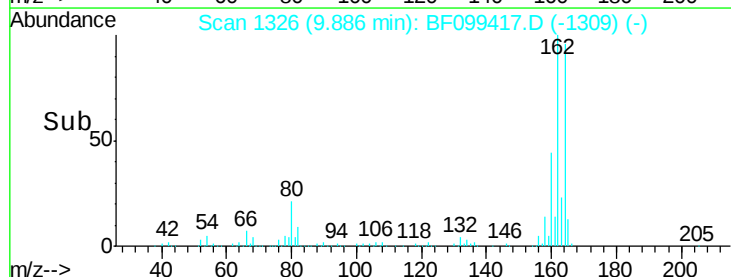
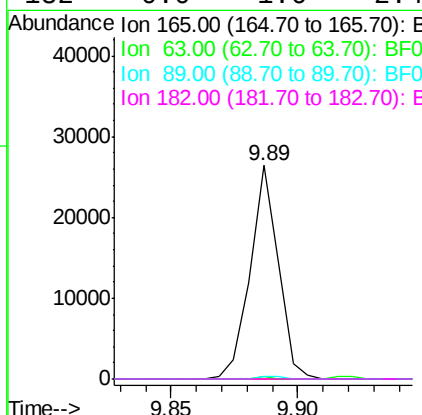
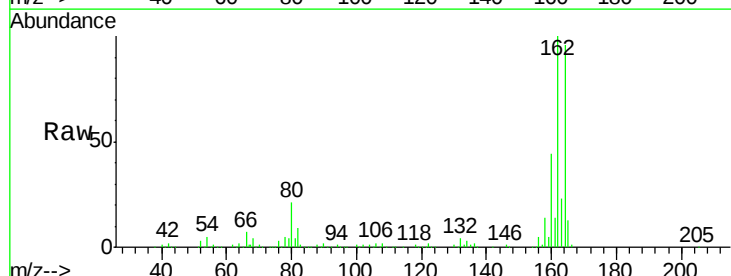
Instrument :
BNA_F
ClientSampled :

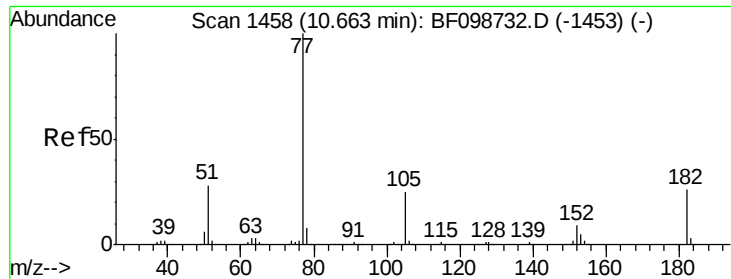
Tot Ion:163 Resp: 163187
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.4 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 5.93 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

Tgt Ion:165 Resp: 20512
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#





#62

Azobenzene

Concen: 4.99 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BF099417.D

Acq: 13 Oct 2017 1:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 54853

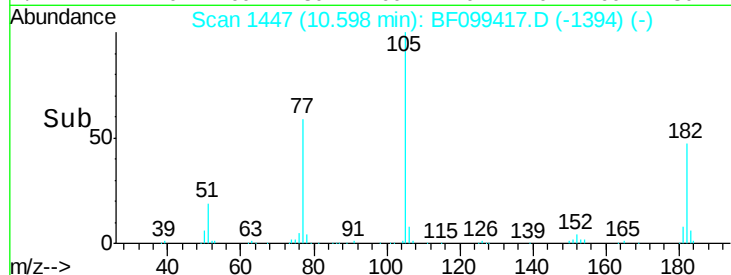
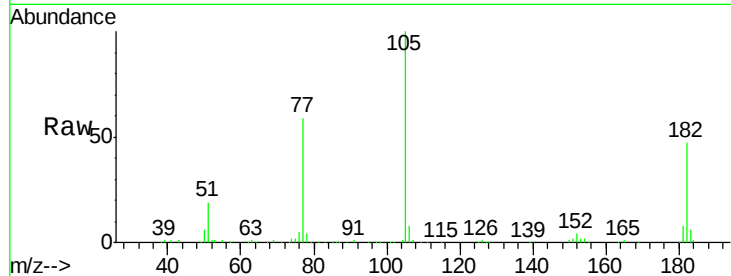
Ion Ratio Lower Upper

77 100

182 80.2 1.7 41.7#

105 170.5 3.0 43.0#

51 32.8 9.9 49.9

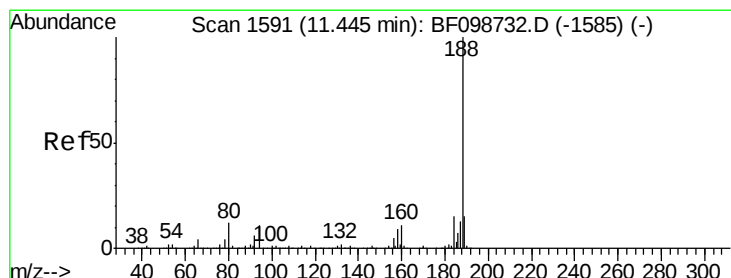
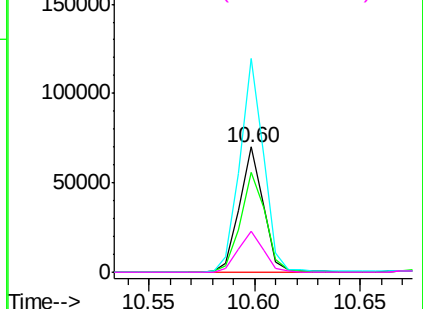


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BF099417.D

Acq: 13 Oct 2017 1:38

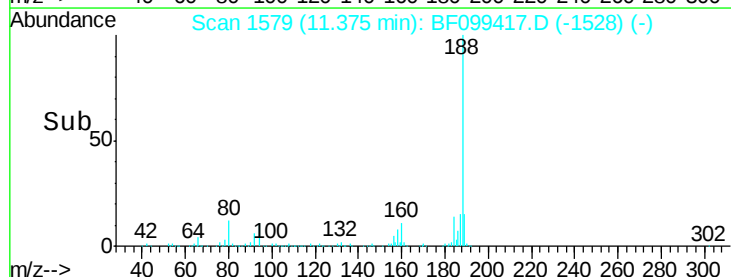
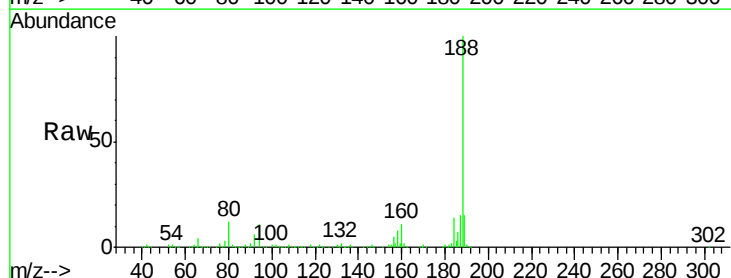
Tgt Ion: 188 Resp: 232143

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

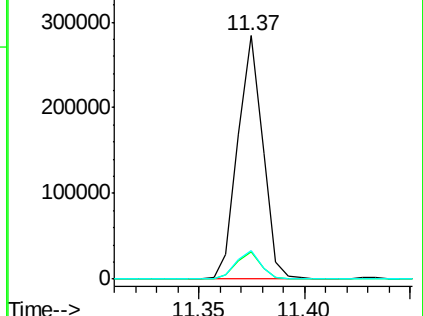
80 11.7 9.2 13.8

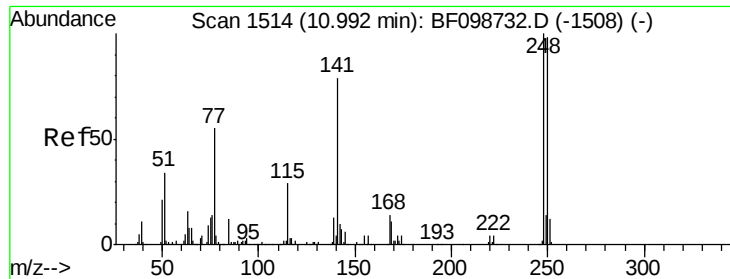


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

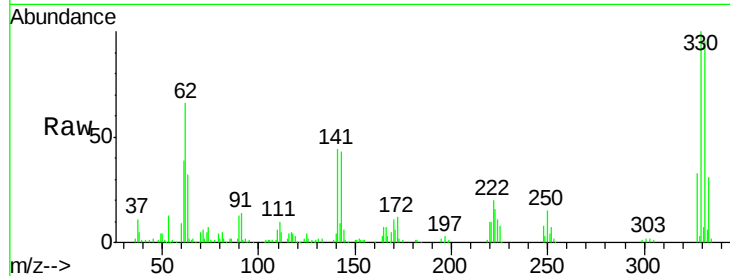




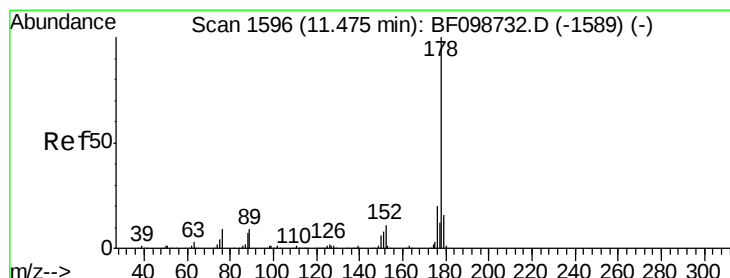
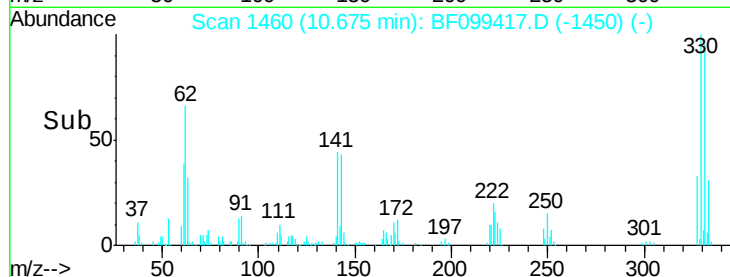
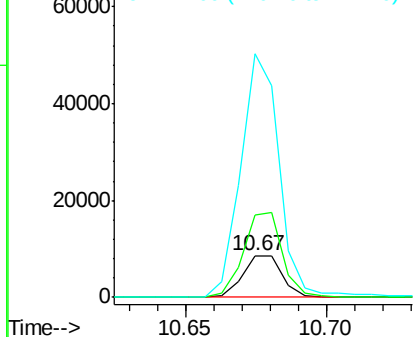
#66
 4-Bromophenyl-phenylether
 Concen: 3.66 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF099417.D
 Acq: 13 Oct 2017 1:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8318
 Ion Ratio Lower Upper
 248 100
 250 195.5 76.9 115.3#
 141 579.5 74.4 111.6#

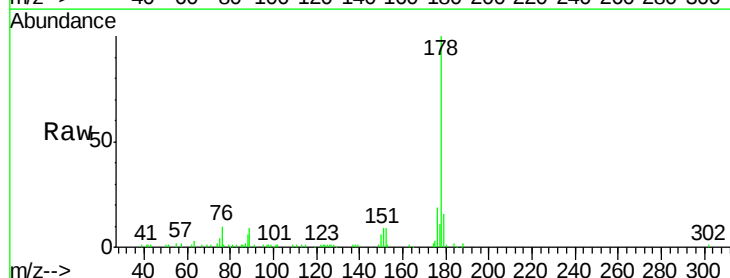


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

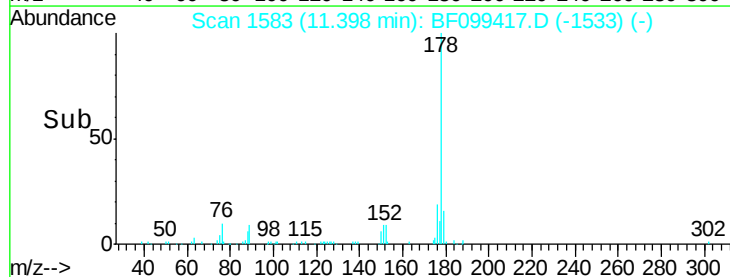
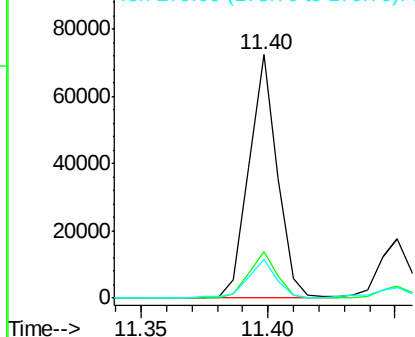


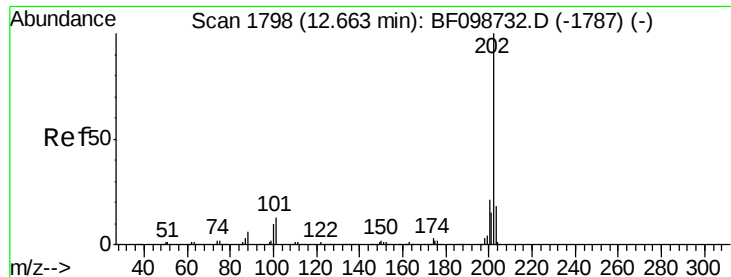
#70
 Phenanthrene
 Concen: 4.57 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF099417.D
 Acq: 13 Oct 2017 1:38

Tgt Ion:178 Resp: 56785
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.9 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: 7.14 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF099417.D

Acq: 13 Oct 2017 1:38

Instrument :

BNA_F

ClientSampleId :

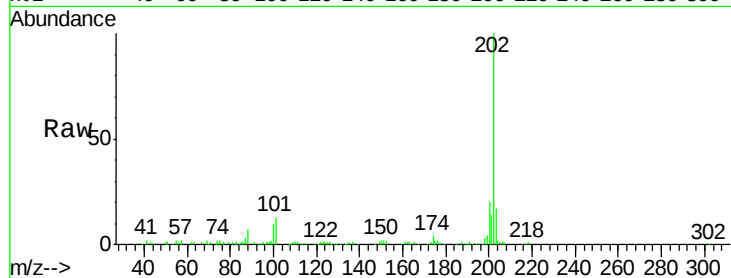
Tot Ion:202 Resp: 89882

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

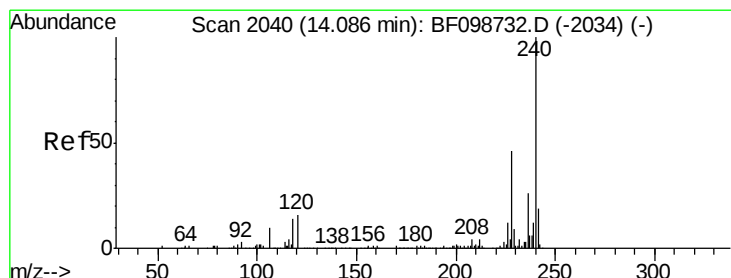
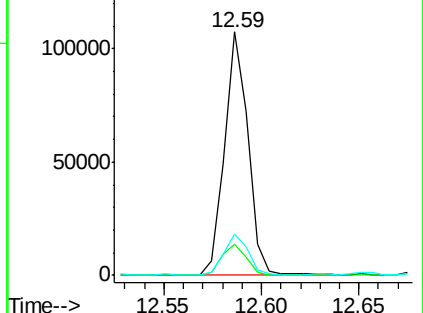
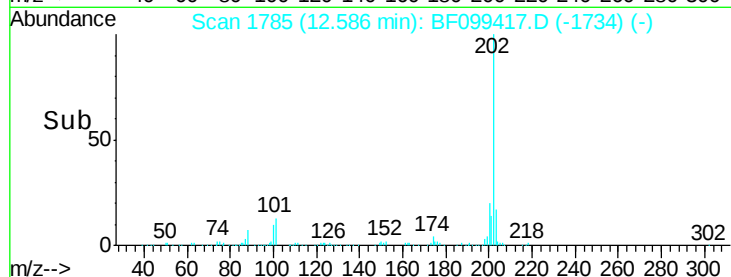
203 16.7 0.0 38.1



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: BF099417.D

Acq: 13 Oct 2017 1:38

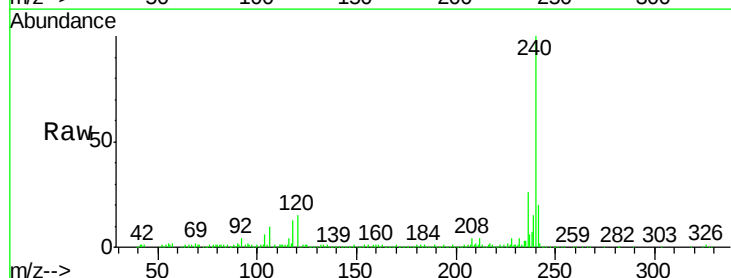
Tgt Ion:240 Resp: 216534

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

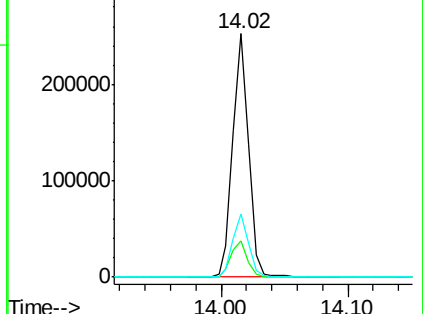
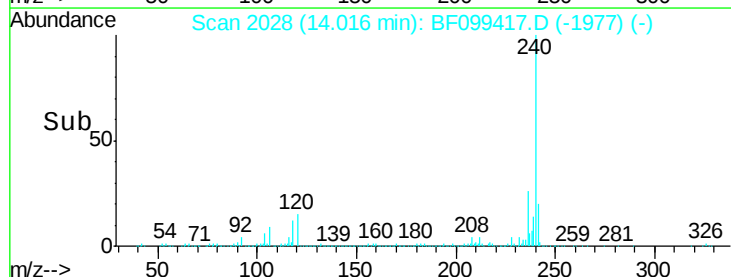
236 26.2 20.7 31.1

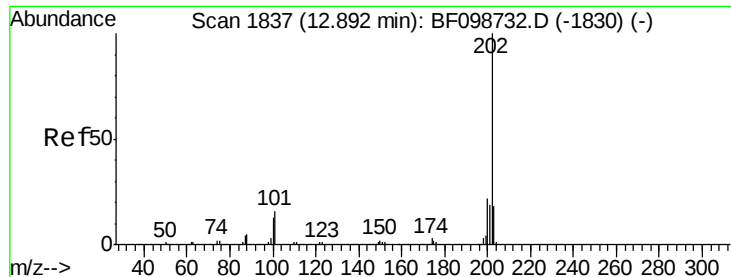


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

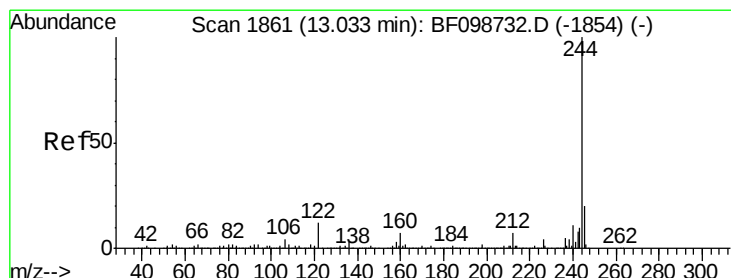
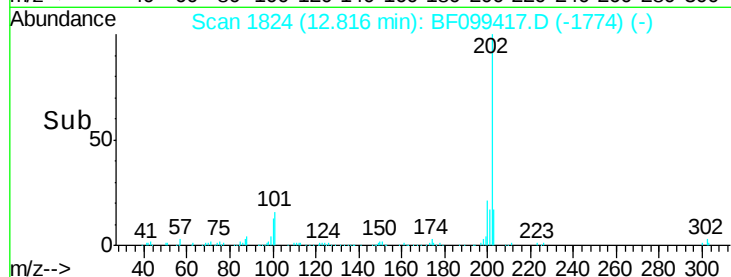
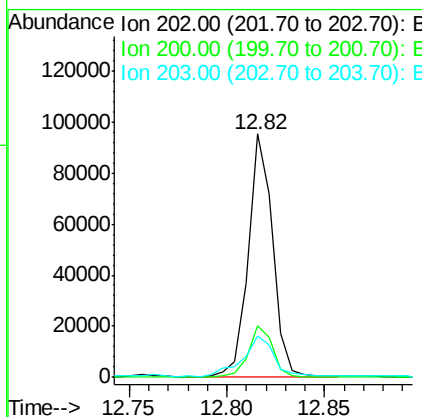
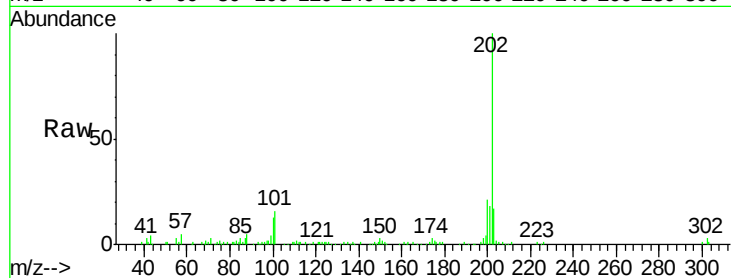




#77
Pvrene
Concen: 4.95 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

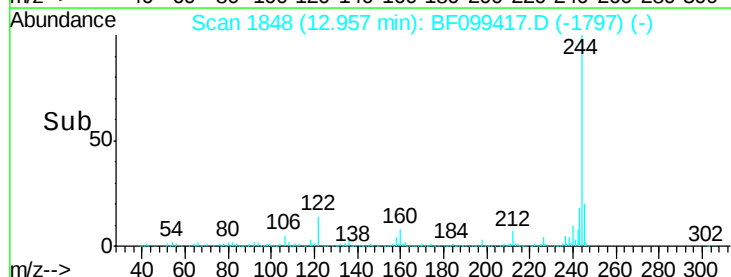
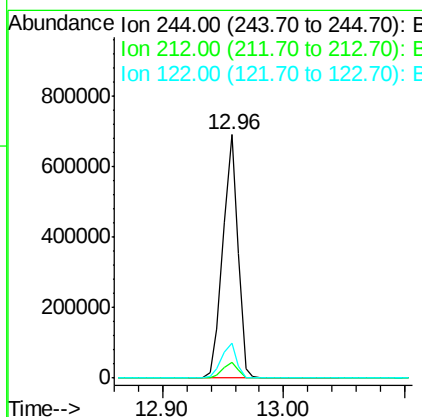
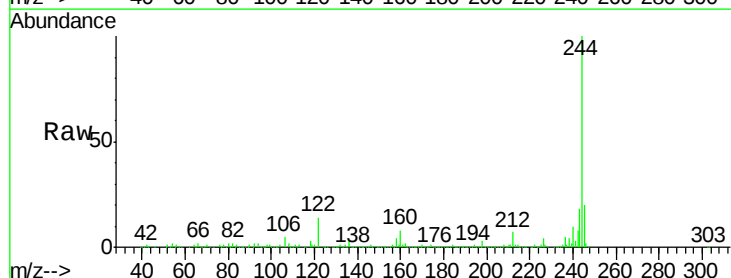
Instrument :
BNA_F
ClientSampleId :

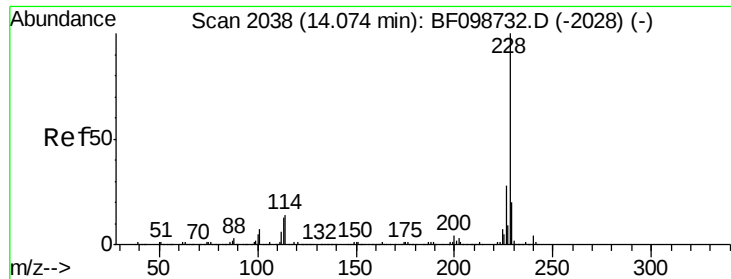
Tot Ion:202 Resp: 81780
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.0 14.3 21.5



#78
Terphenyl-d14
Concen: 62.35 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

Tgt Ion:244 Resp: 593632
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 14.2 11.0 16.4

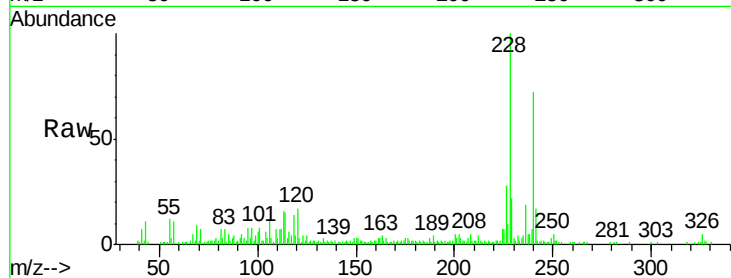




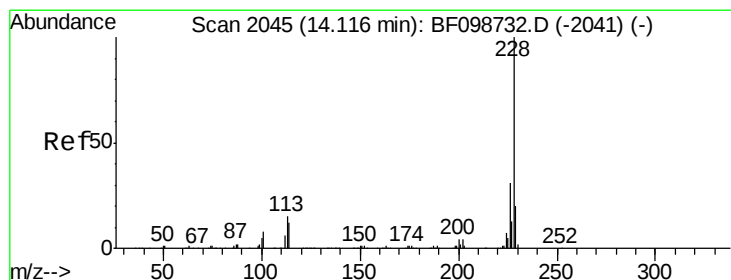
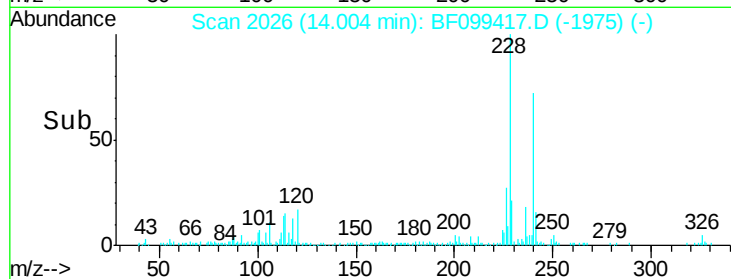
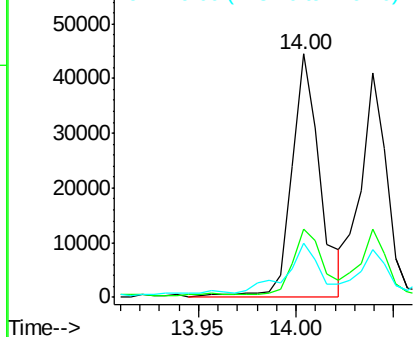
#80
Benzo(a)anthracene
Concen: 3.40 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 44547
Ion Ratio Lower Upper
228 100
226 28.0 22.6 33.8
229 22.2 15.8 23.6

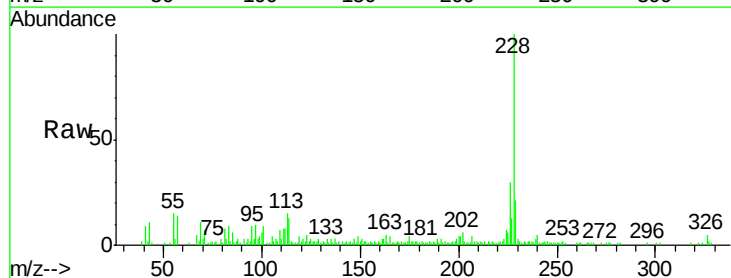


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

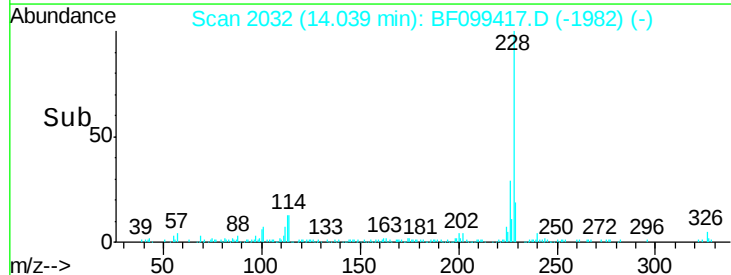
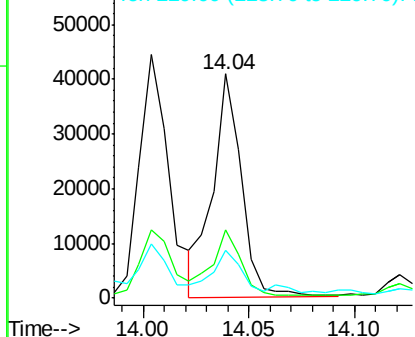


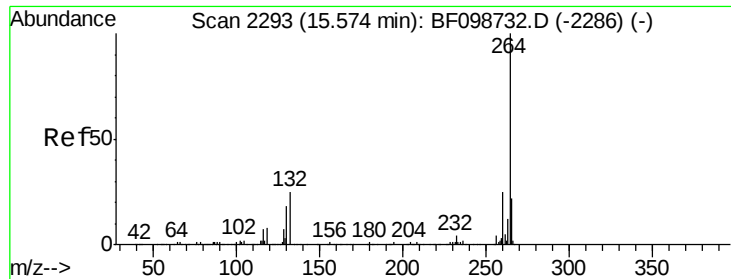
#82
Chrysene
Concen: 3.11 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

Tgt Ion:228 Resp: 38812
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 21.2 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

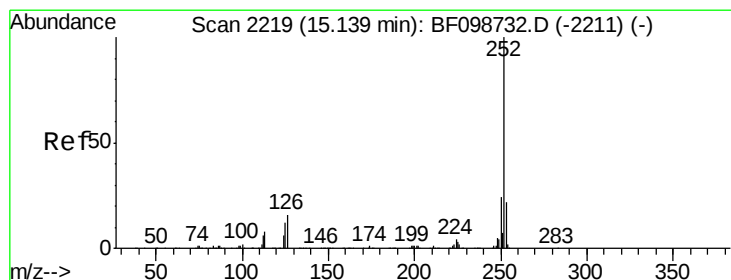
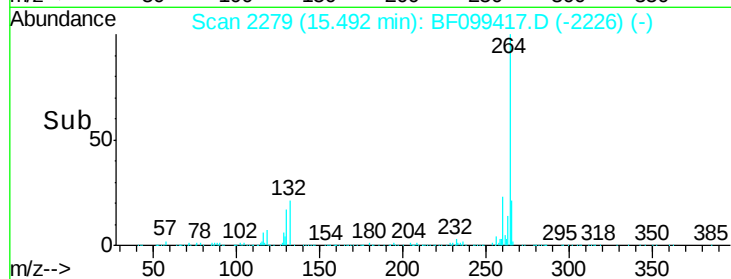
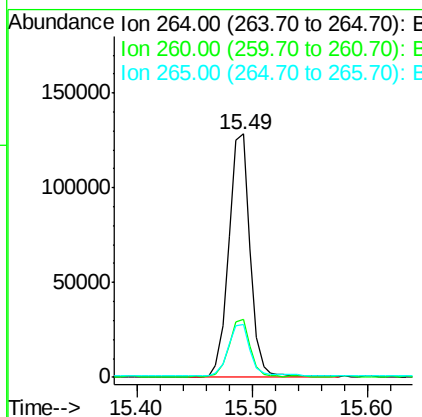
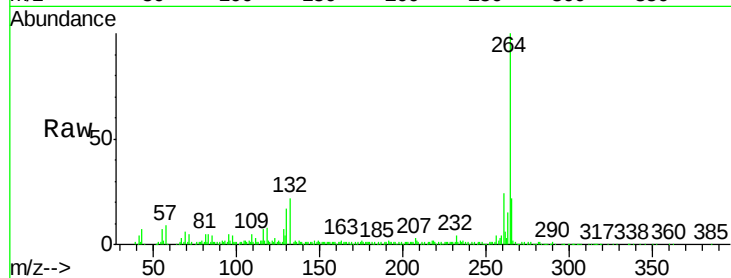




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.01 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

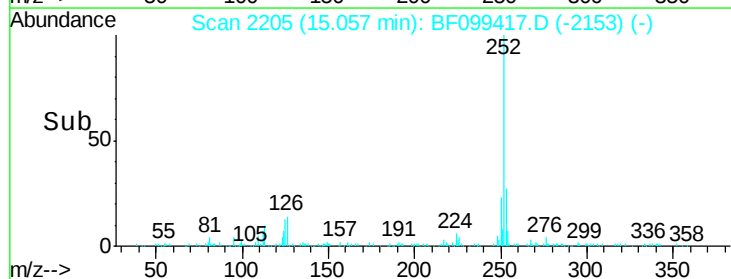
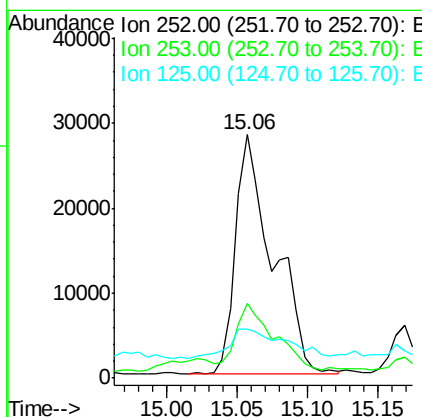
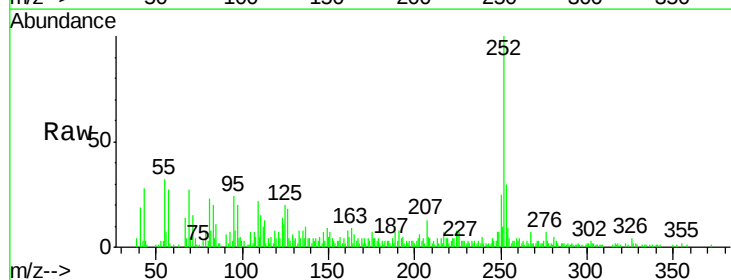
Instrument :
BNA_F
ClientSampleId :

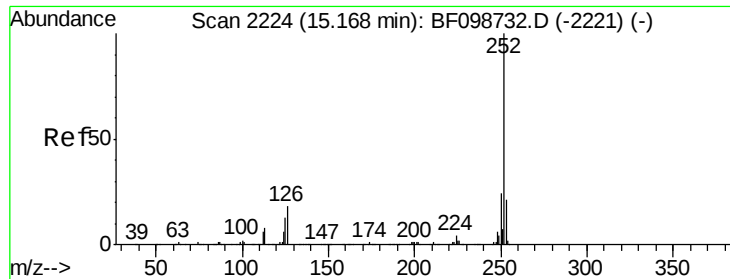
Tot Ion:264 Resp: 165670
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.15 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

Tgt Ion:252 Resp: 52451
Ion Ratio Lower Upper
252 100
253 30.4 17.0 25.6#
125 20.3 9.0 13.6#

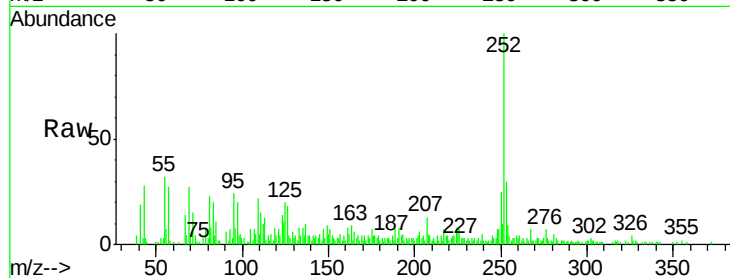




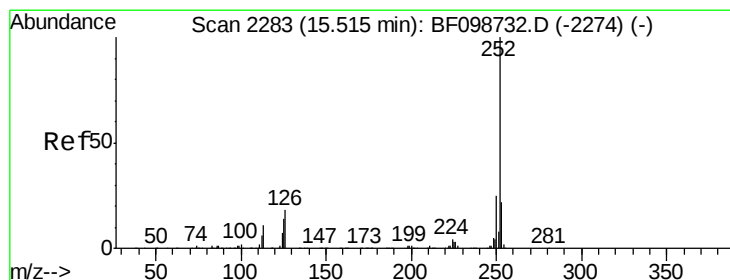
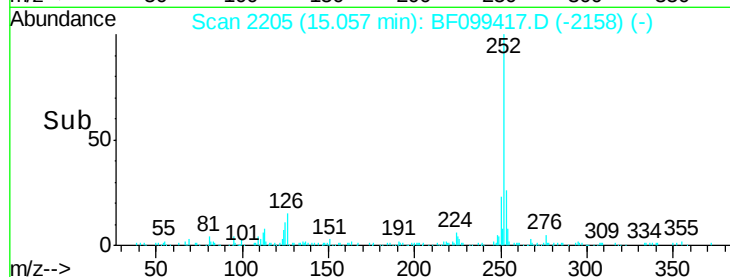
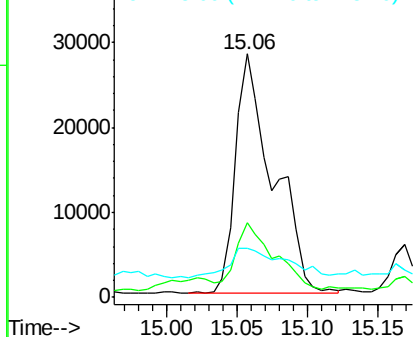
#88
Benzo(k)fluoranthene
Concen: 5.21 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.4	17.9	26.9#
125	20.3	10.2	15.2#

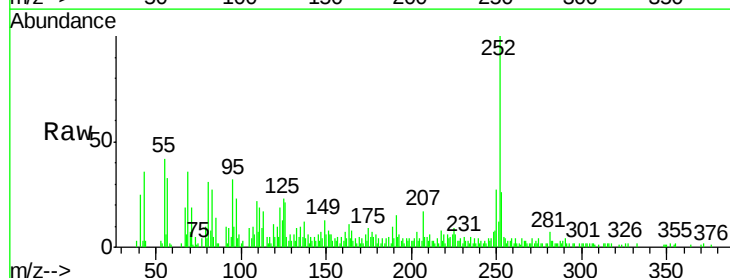


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

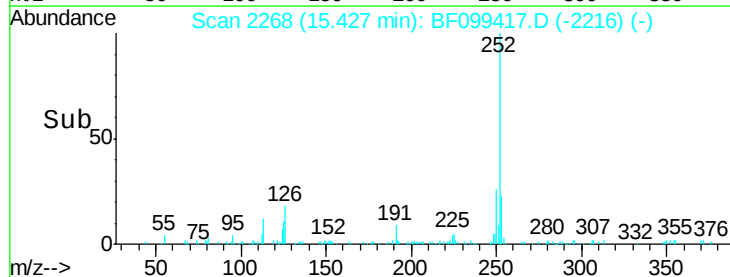
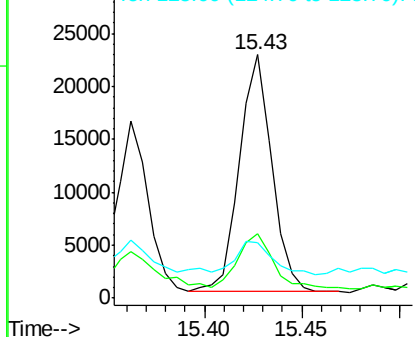


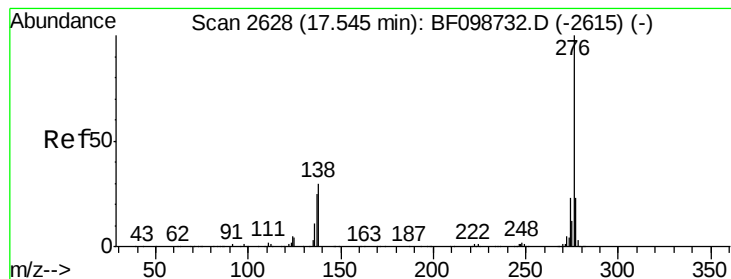
#89
Benzo(a)pyrene
Concen: 2.76 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099417.D
Acq: 13 Oct 2017 1:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.1	25.7#
125	22.8	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: 2.02 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.01 min

Lab File: BF099417.D

Acq: 13 Oct 2017 1:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 14977

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 37.3 21.8 32.8#

