

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099194.D
 Acq On : 7 Oct 2017 15:10
 Operator : SJ/JU
 Sample : I5586-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 03:35:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	139806	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	548658	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	226730	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	330462	20.00	ng	0.00
75) Chrysene-d12	14.03	240	232594	20.00	ng	0.00
86) Perylene-d12	15.50	264	205570	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	865103	98.50	ng	0.01
7) Phenol-d6	6.50	99	1042884	96.26	ng	0.00
23) Nitrobenzene-d5	7.43	82	623063	72.83	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	169377	91.30	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1097595	80.82	ng	0.00
78) Terphenyl-d14	12.97	244	692894	67.75	ng	0.00

Target Compounds

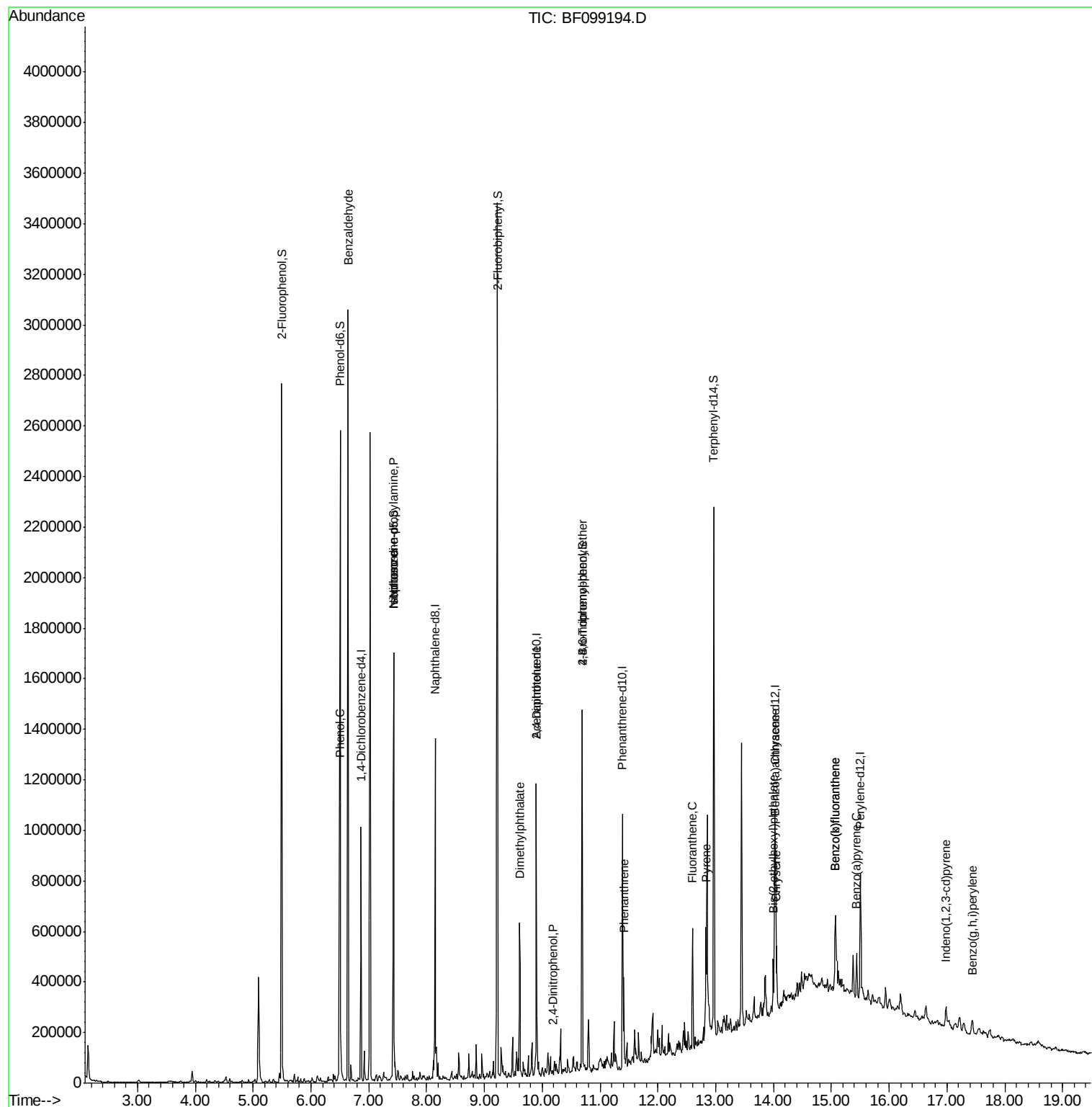
						Qvalue
9) Benzaldehyde	6.64	77	16867	2.684	ng	88
10) Phenol	6.52	94	36672	3.027	ng	94
19) n-Nitroso-di-n-propylamine	7.43	70	83233	12.033	ng	# 76
25) Isophorone	7.43	82	622676	35.203	ng	# 64
49) Dimethylphthalate	9.61	163	204057	11.925	ng	99
53) 2,4-Dinitrophenol	10.18	184	608	6.119	ng	# 16
56) 2,4-Dinitrotoluene	9.90	165	31454	6.506	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	11864	3.668	ng	# 1
70) Phenanthrene	11.41	178	111113	6.282	ng	98
74) Fluoranthene	12.60	202	167324	9.342	ng	98
77) Pyrene	12.83	202	162080	9.138	ng	98
80) Benzo(a)anthracene	14.02	228	81607	5.794	ng	95
82) Chrysene	14.05	228	102182	7.621	ng	97
83) Bis(2-ethylhexyl)phthalate	13.99	149	57266	4.989	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.99	276	44118	4.113	ng	97
87) Benzo(b)fluoranthene	15.07	252	198289	15.688	ng	# 94
88) Benzo(k)fluoranthene	15.07	252	198289	15.884	ng	# 96
89) Benzo(a)pyrene	15.44	252	71196	6.137	ng	# 91
91) Benzo(a,h,i)perylene	17.43	276	40834	4.449	ng	# 83

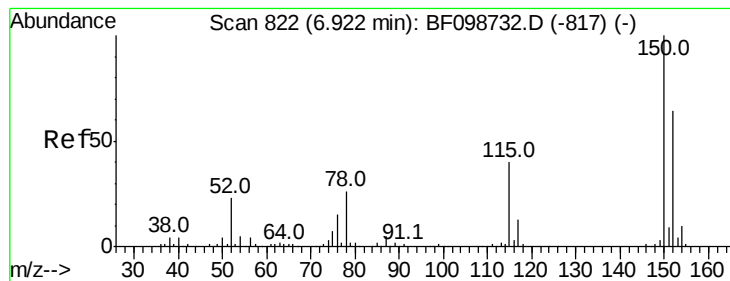
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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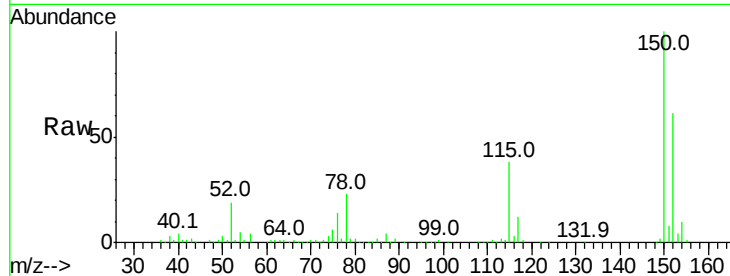


#1

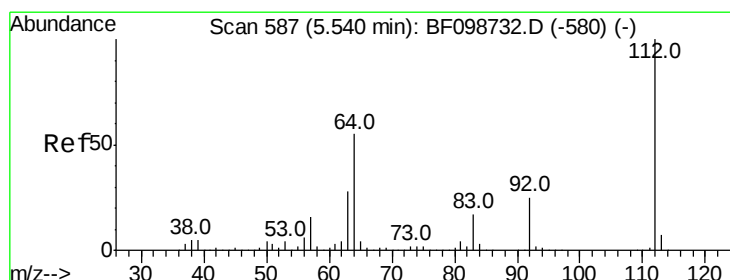
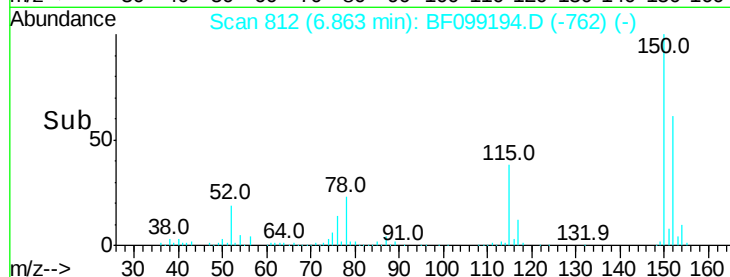
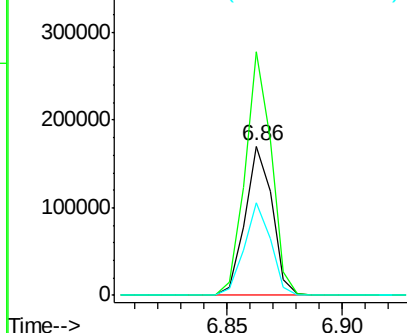
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099194.D
 Acq: 7 Oct 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 139806
 Ion Ratio Lower Upper
 152 100
 150 163.2 124.6 186.8
 115 61.9 50.1 75.1



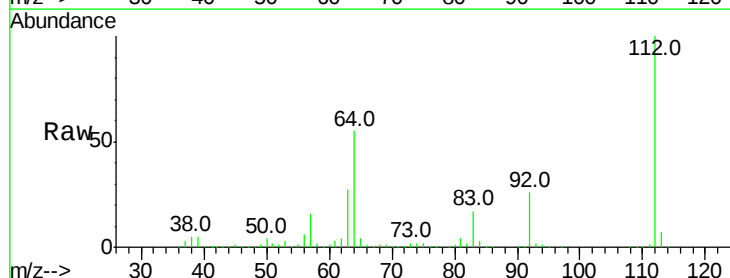
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



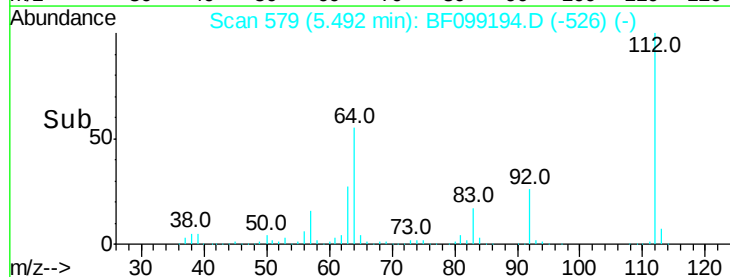
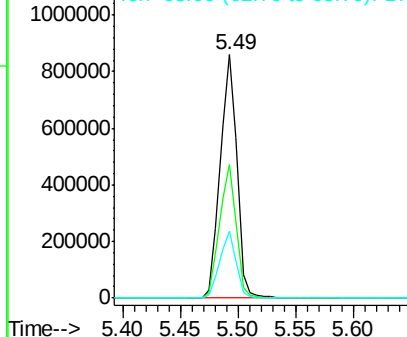
#5

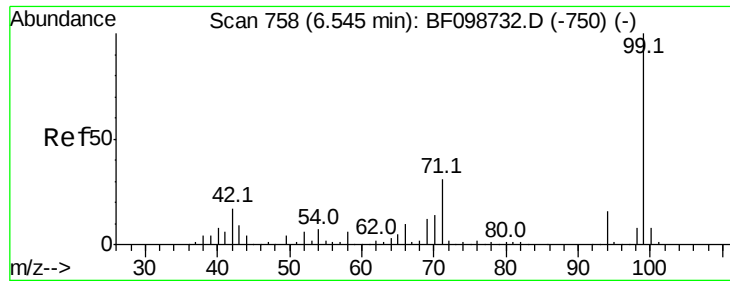
2-Fluorophenol
 Concen: 98.505 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: BF099194.D
 Acq: 7 Oct 2017 15:10

Tgt Ion:112 Resp: 865103
 Ion Ratio Lower Upper
 112 100
 64 54.9 47.9 71.9
 63 27.4 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: 96.260 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099194.D

Acq: 7 Oct 2017 15:10

Instrument :

BNA_F

ClientSampled :

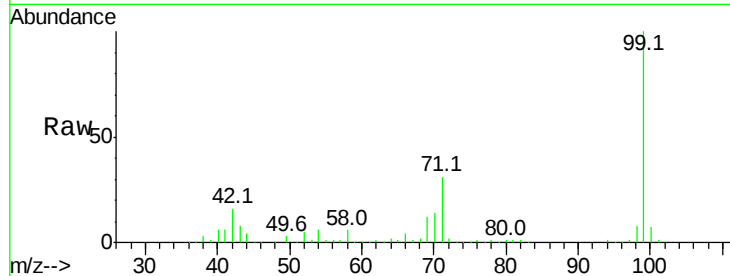
Tot Ion: 99 Resp: 1042884

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

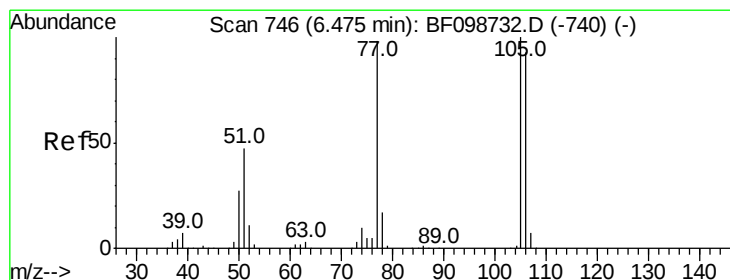
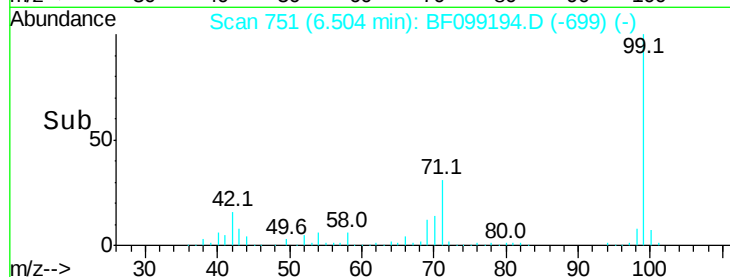
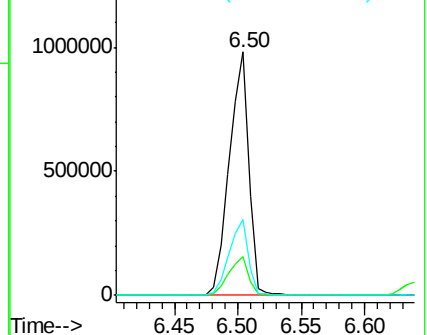
71 30.9 25.4 38.0



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: 2.684 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099194.D

Acq: 7 Oct 2017 15:10

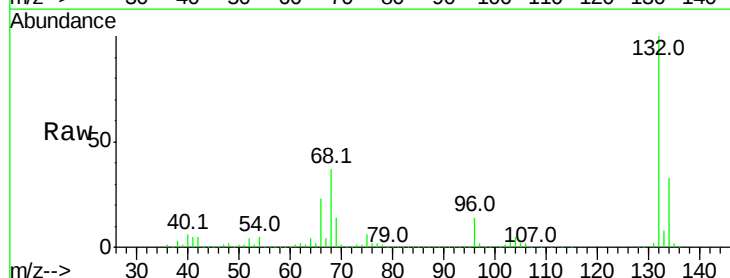
Tgt Ion: 77 Resp: 16867

Ion Ratio Lower Upper

77 100

105 86.6 81.1 121.1

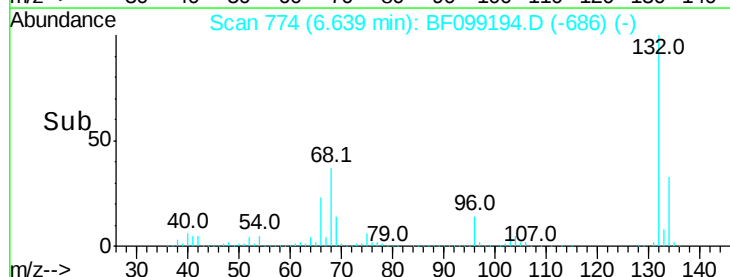
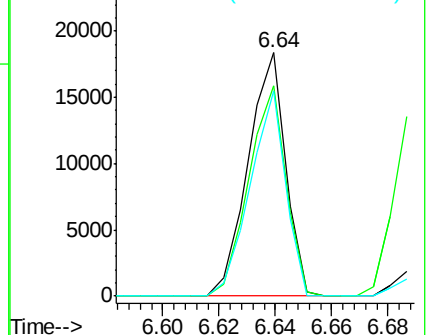
106 84.5 74.5 114.5

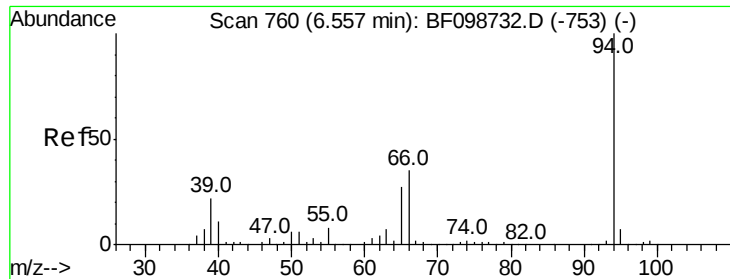


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

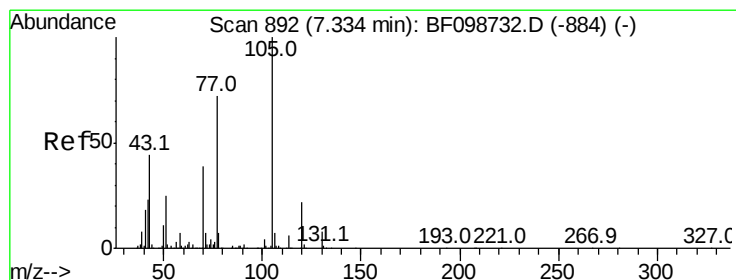
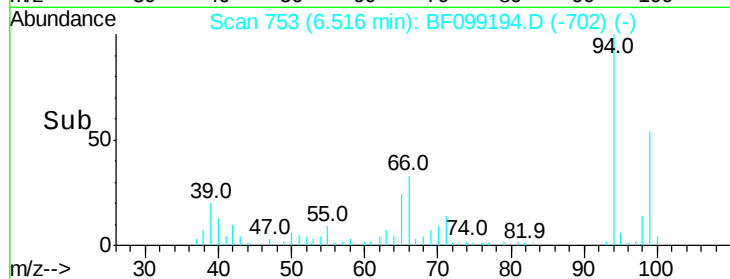
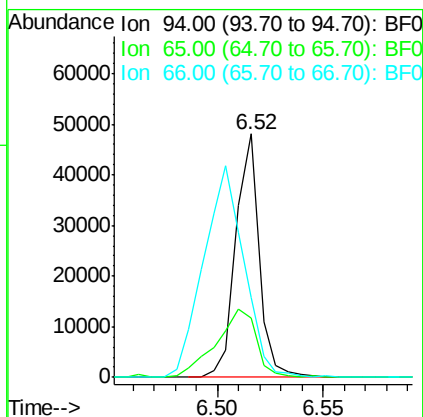
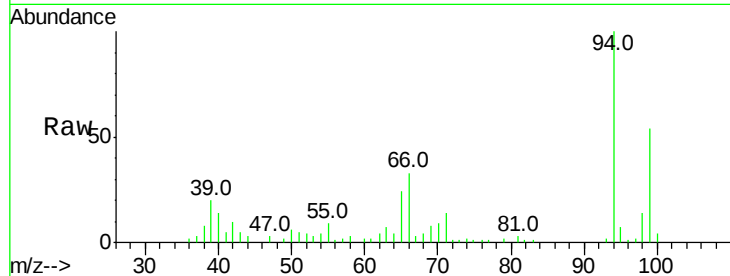




#10
Phenol
Concen: 3.027 ng
RT: 6.52 min Scan# 753
Delta R.T. -0.00 min
Lab File: BF099194.D
Acq: 7 Oct 2017 15:10

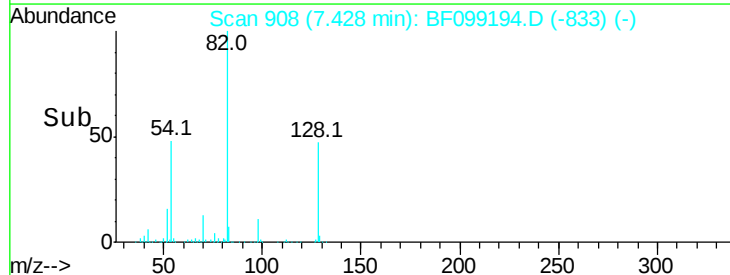
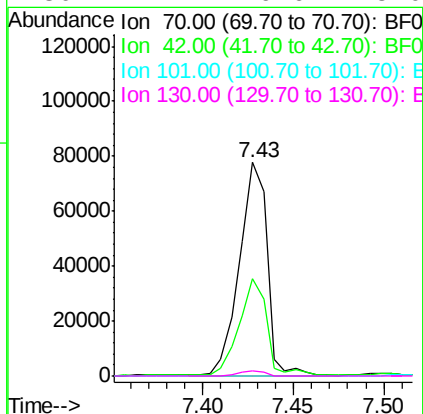
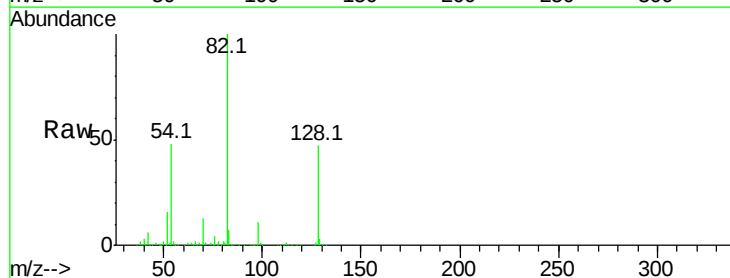
Instrument :
BNA_F
ClientSampleId :

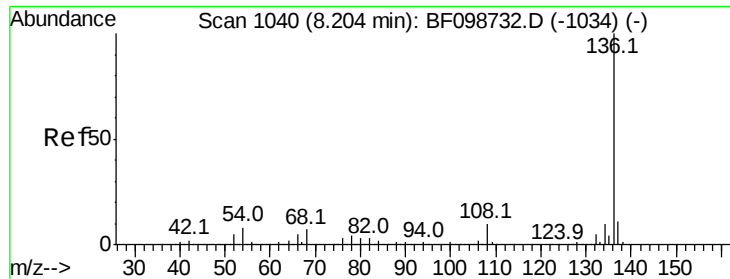
Tot Ion: 94 Resp: 36672
Ion Ratio Lower Upper
94 100
65 24.2 7.9 47.9
66 32.7 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.033 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF099194.D
Acq: 7 Oct 2017 15:10

Tgt Ion: 70 Resp: 83233
Ion Ratio Lower Upper
70 100
42 45.7 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#

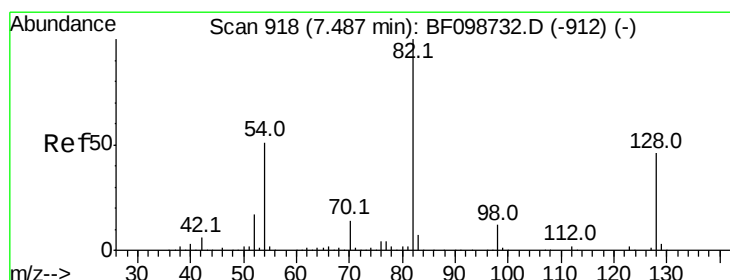
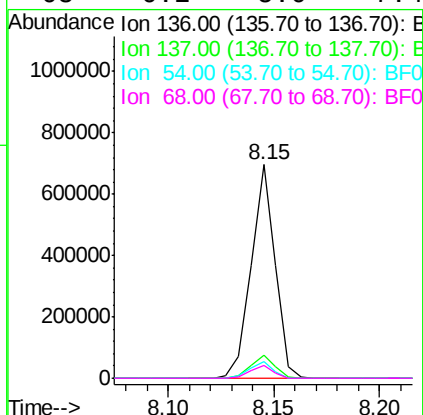
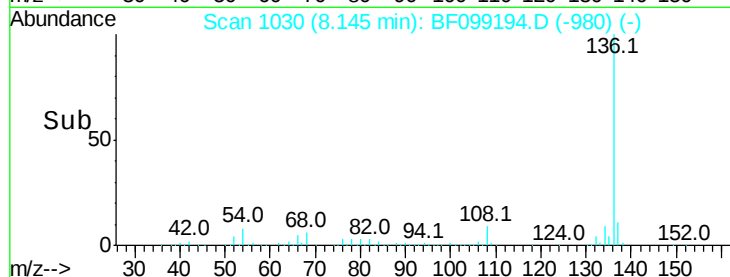
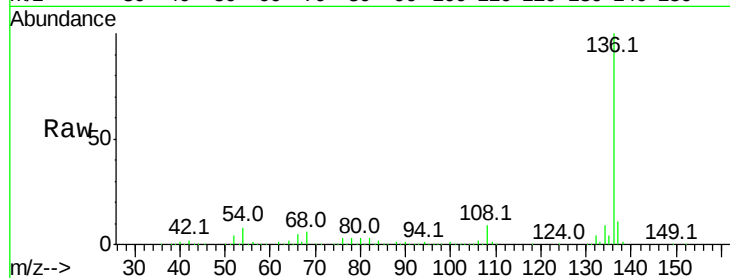




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099194.D
Acq: 7 Oct 2017 15:10

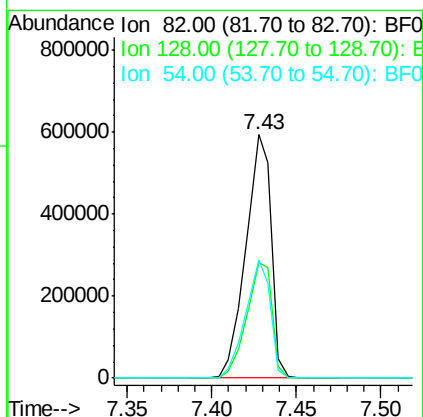
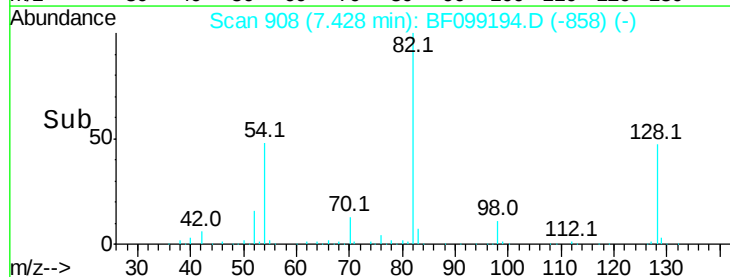
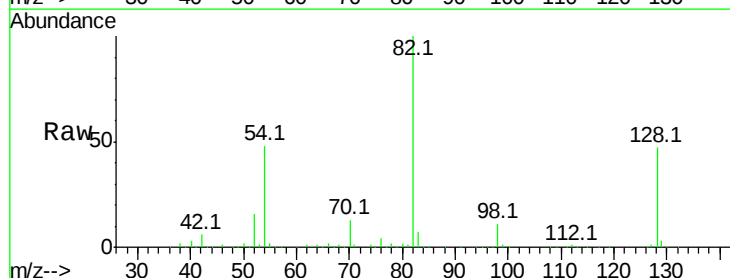
Instrument :
BNA_F
ClientSampleId :

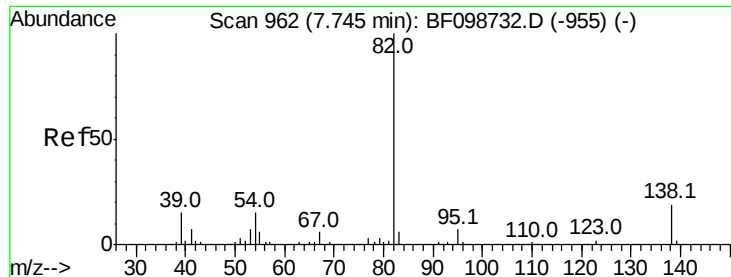
Tot Ion:	136	Resp:	548658
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.6	6.6	9.8
68	6.2	5.0	7.4



#23
Nitrobenzene-d5
Concen: 72.827 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099194.D
Acq: 7 Oct 2017 15:10

Tgt Ion:	82	Resp:	623063
Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.1	54.1
54	48.3	41.4	62.2





#25

Isophorone

Concen: 35.203 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF099194.D

Acq: 7 Oct 2017 15:10

Instrument :

BNA_F

ClientSampleId :

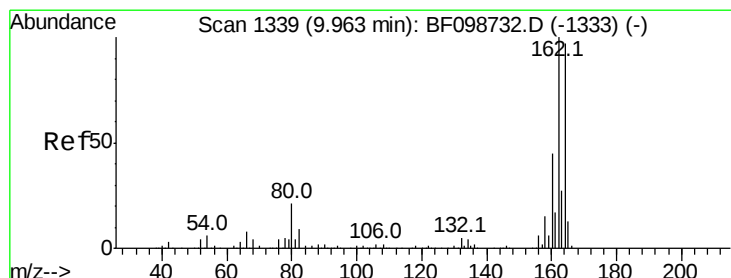
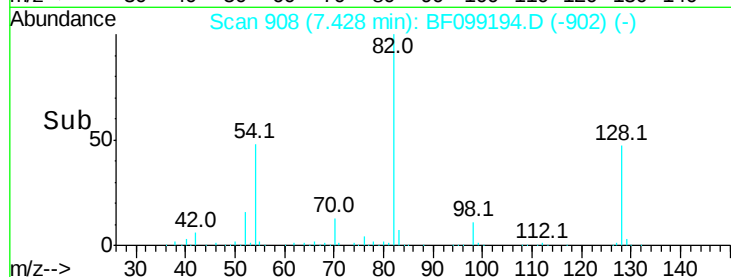
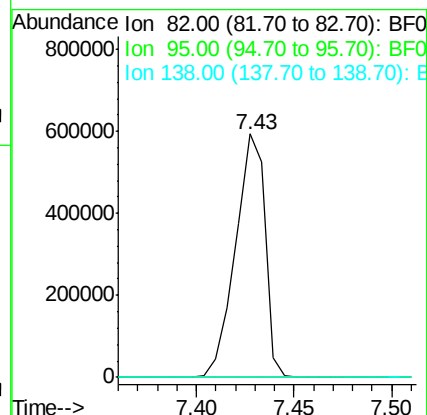
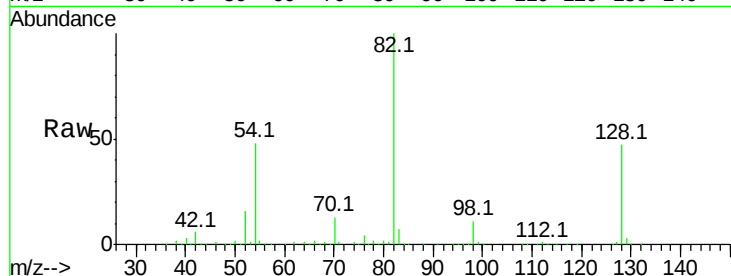
Tot Ion: 82 Resp: 622676

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099194.D

Acq: 7 Oct 2017 15:10

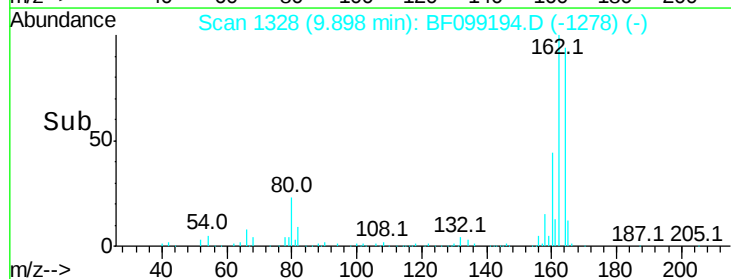
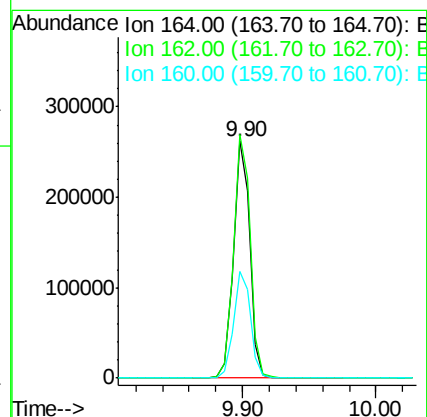
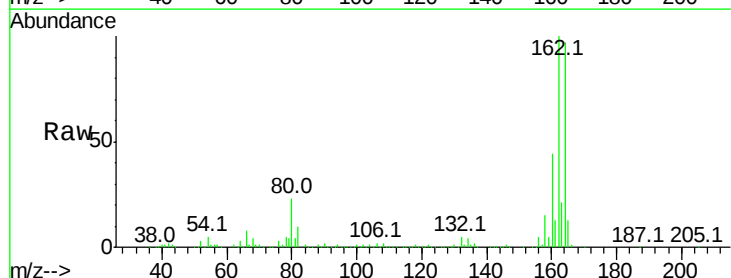
Tgt Ion:164 Resp: 226730

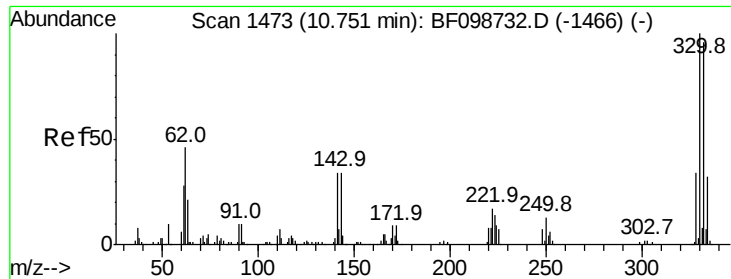
Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

160 45.2 38.3 57.5

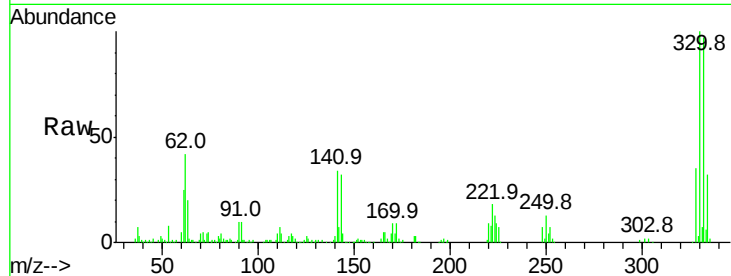




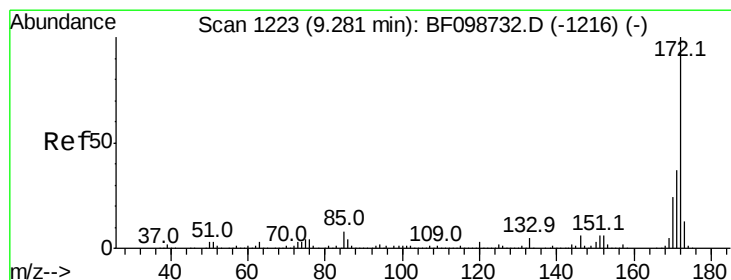
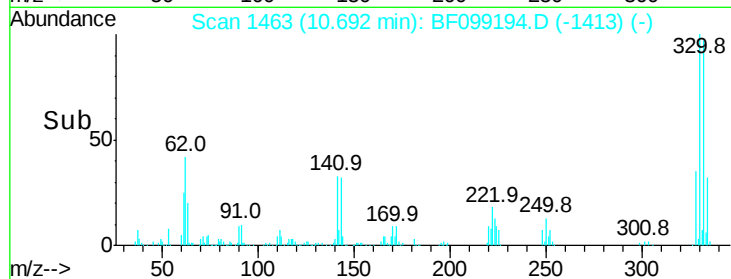
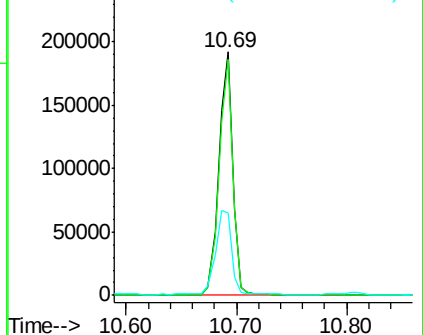
#41
 2,4,6-Tribromophenol
 Concen: 91.295 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099194.D
 Acq: 7 Oct 2017 15:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 169377
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 40.1 29.9 44.9

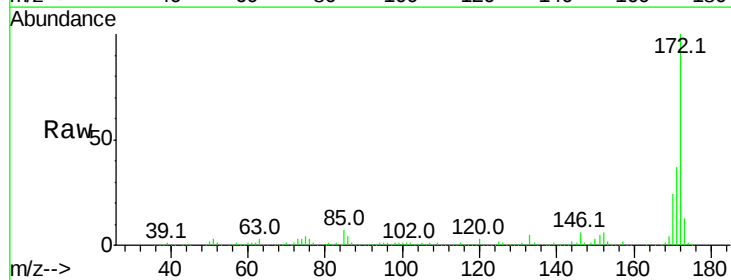


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

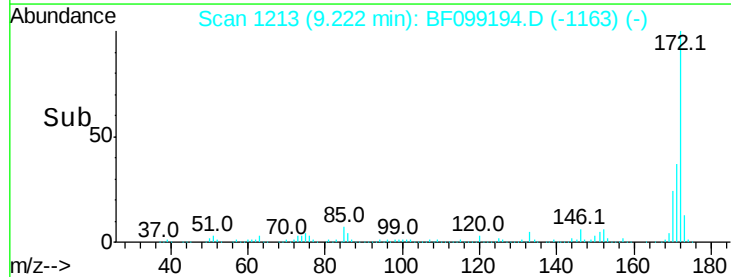
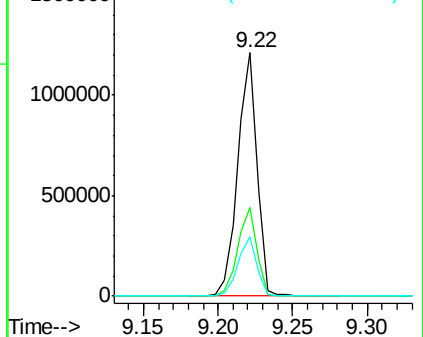


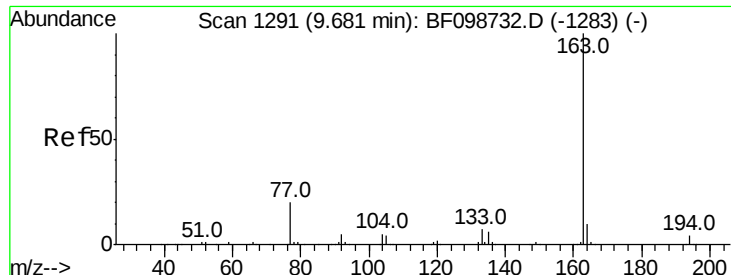
#44
 2-Fluorobiphenyl
 Concen: 80.816 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099194.D
 Acq: 7 Oct 2017 15:10

Tgt Ion:172 Resp: 1097595
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.2 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





#49

Dimethylphthalate

Concen: 11.925 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF099194.D

Acq: 7 Oct 2017 15:10

Instrument :

BNA_F

ClientSampleId :

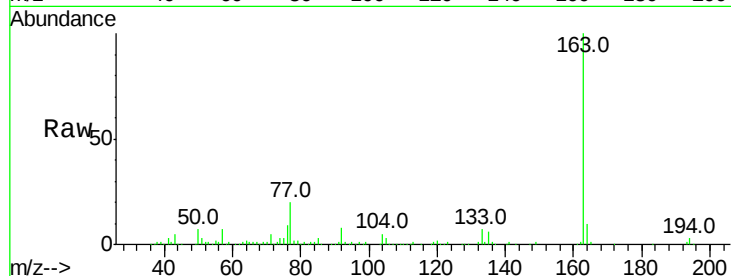
Tot Ion:163 Resp: 204057

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

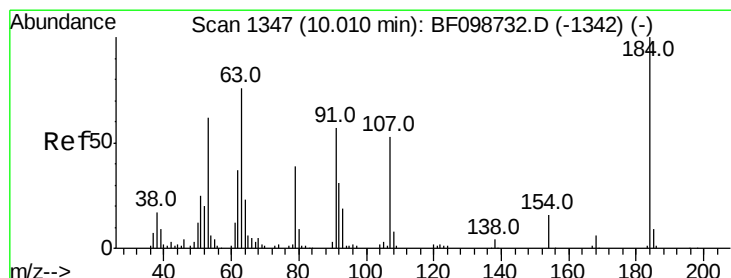
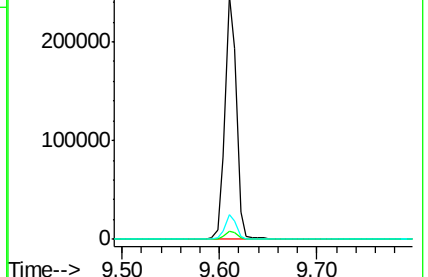
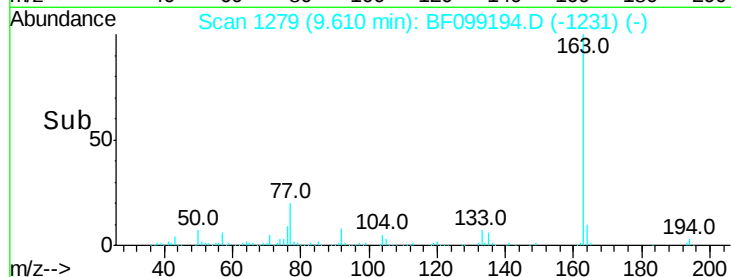
164 9.9 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 6.119 ng

RT: 10.18 min Scan# 1376

Delta R.T. 0.21 min

Lab File: BF099194.D

Acq: 7 Oct 2017 15:10

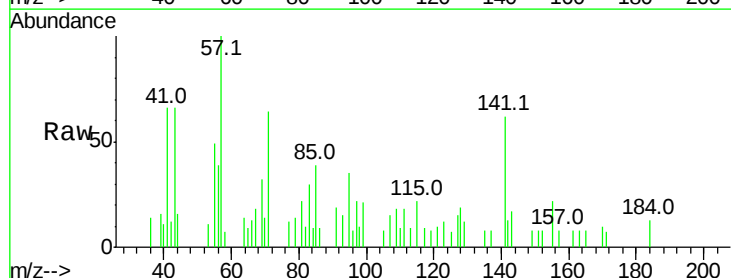
Tgt Ion:184 Resp: 608

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

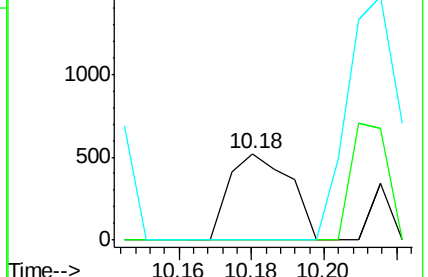
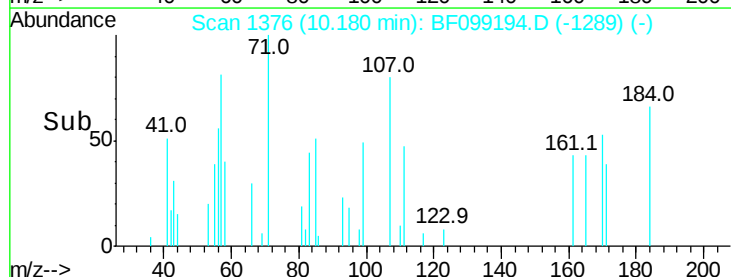
154 0.0 53.5 80.3#

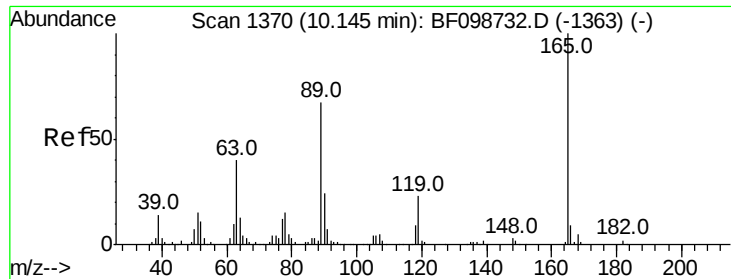


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

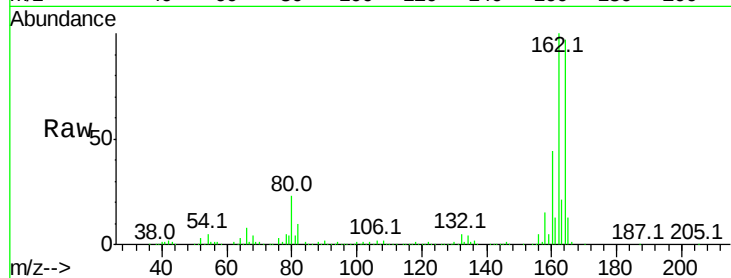




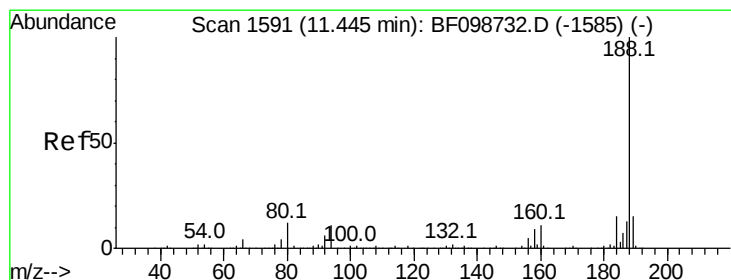
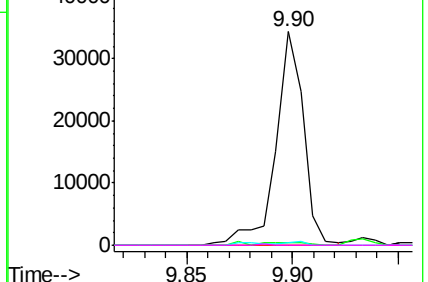
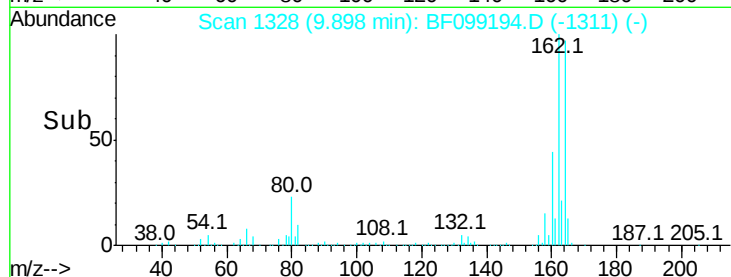
#56
2,4-Dinitrotoluene
Concen: 6.506 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099194.D
Acq: 7 Oct 2017 15:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 31454
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#

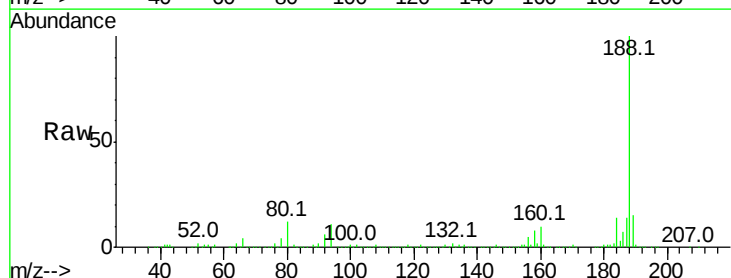


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

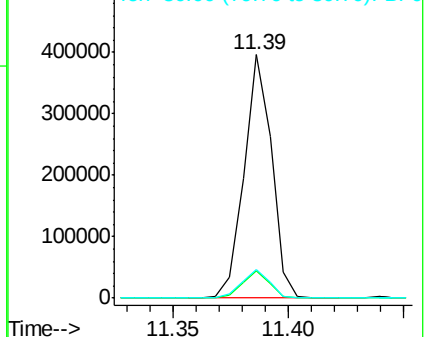
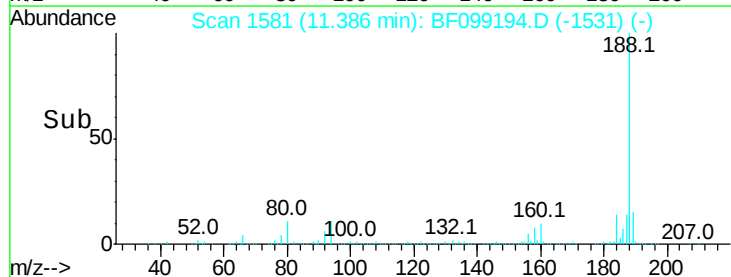


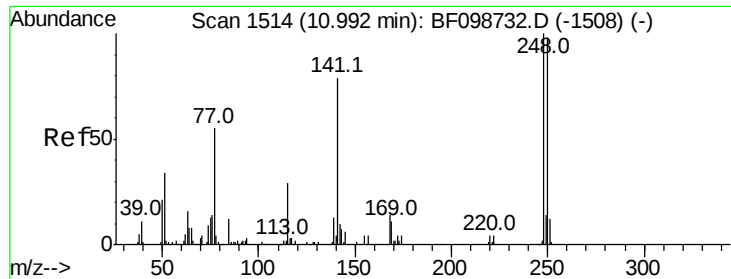
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099194.D
Acq: 7 Oct 2017 15:10

Tgt Ion:188 Resp: 330462
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 11.6 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

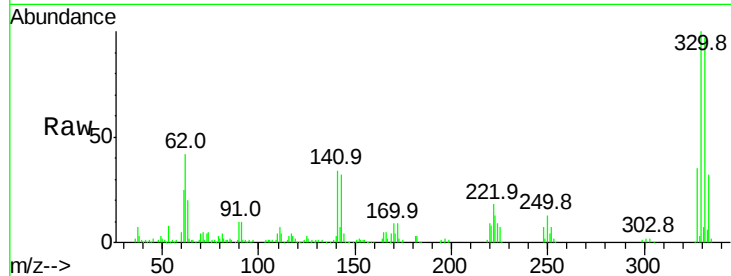




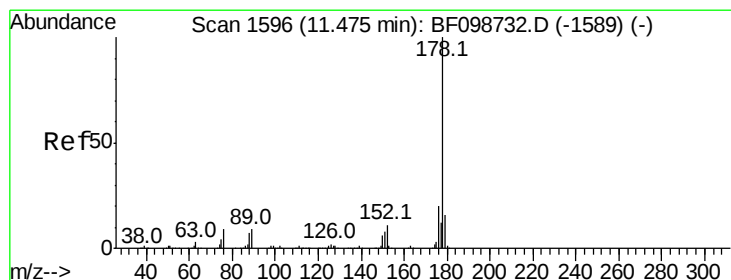
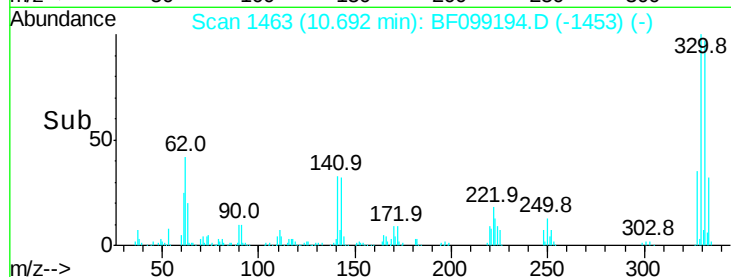
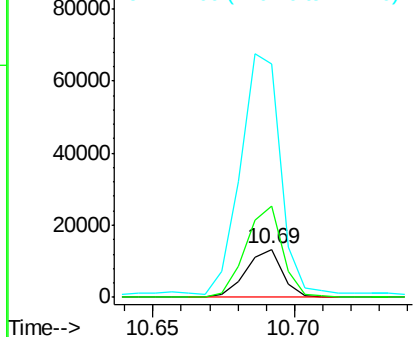
#66
 4-Bromophenyl-phenylether
 Concen: 3.668 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099194.D
 Acq: 7 Oct 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11864
 Ion Ratio Lower Upper
 248 100
 250 190.6 76.9 115.3#
 141 486.9 74.4 111.6#

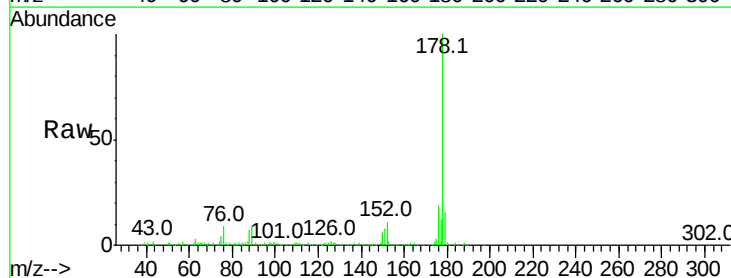


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

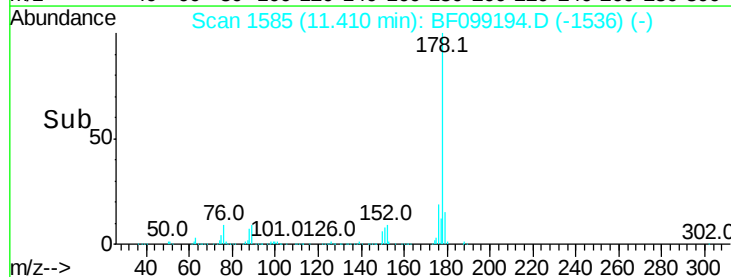
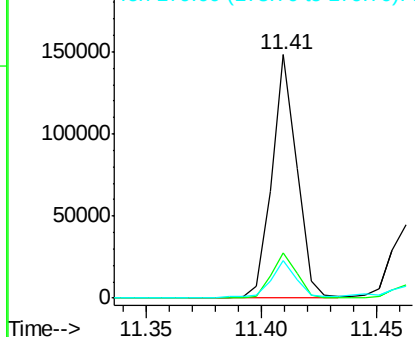


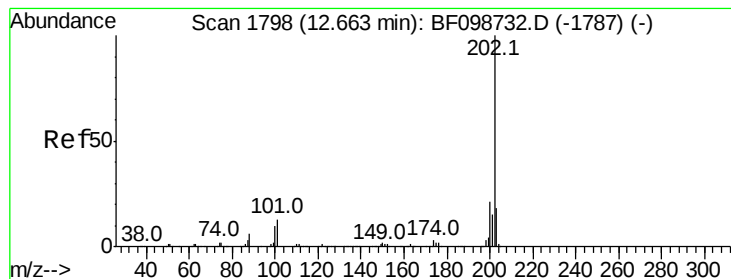
#70
 Phenanthrene
 Concen: 6.282 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF099194.D
 Acq: 7 Oct 2017 15:10

Tgt Ion:178 Resp: 111113
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 15.5 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: 9.342 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF099194.D

Acq: 7 Oct 2017 15:10

Instrument :

BNA_F

ClientSampled :

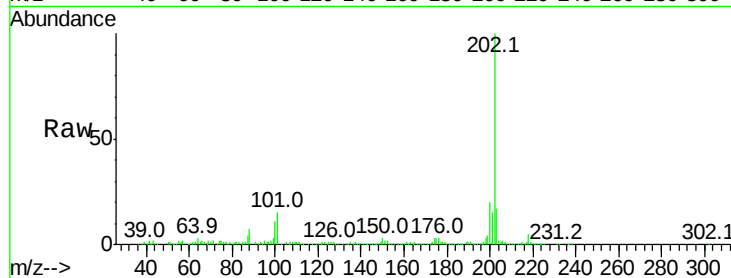
Tot Ion:202 Resp: 167324

Ion Ratio Lower Upper

202 100

101 15.0 0.0 34.1

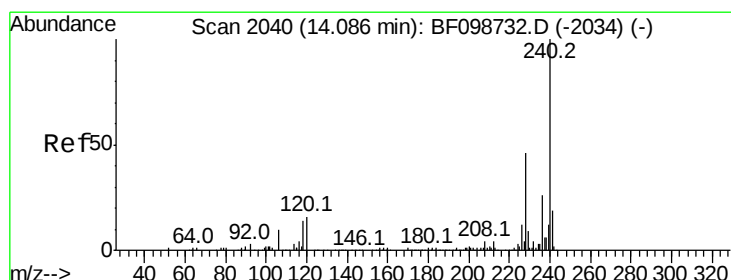
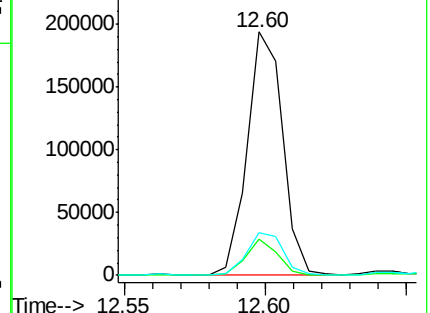
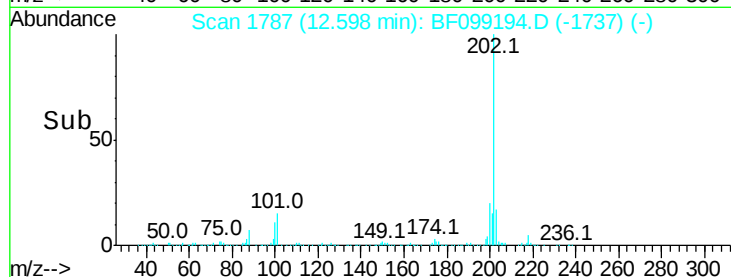
203 17.4 0.0 38.1



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: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099194.D

Acq: 7 Oct 2017 15:10

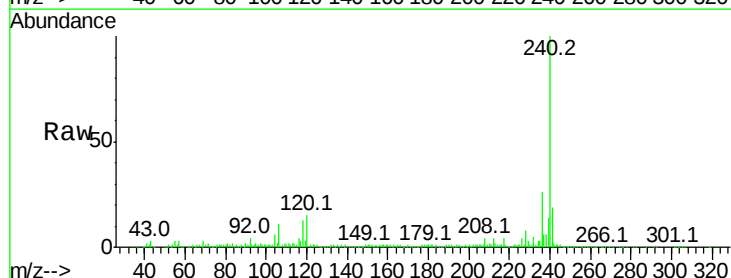
Tgt Ion:240 Resp: 232594

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

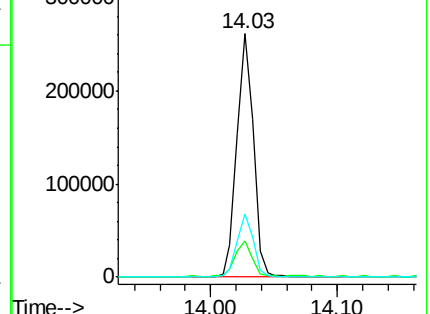
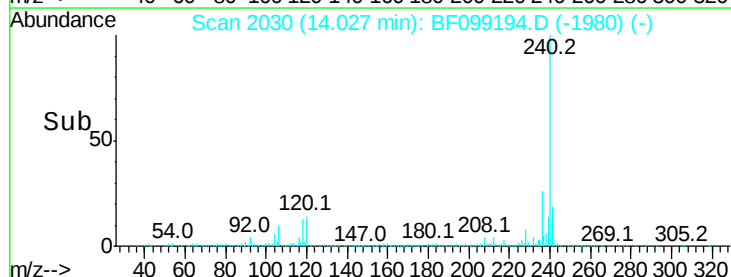
236 25.8 20.7 31.1

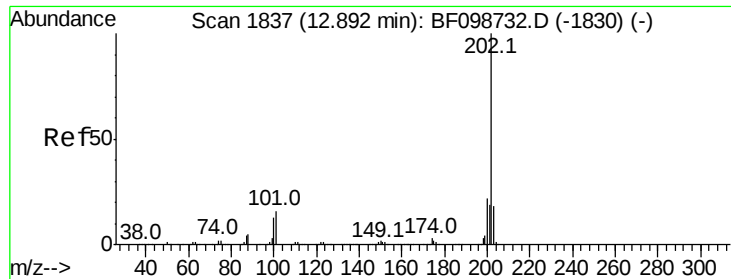


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

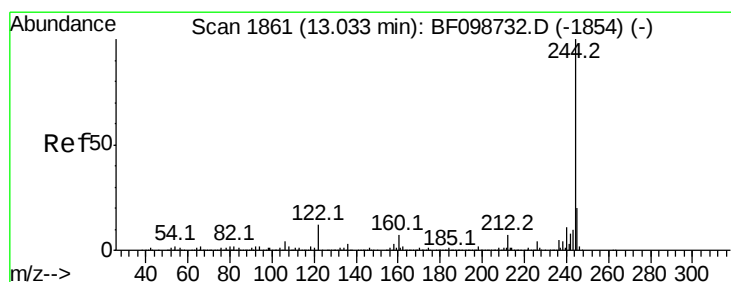
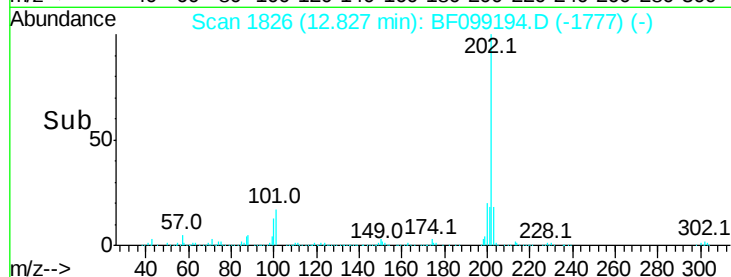
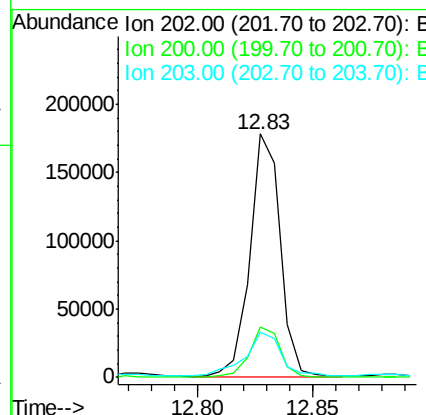
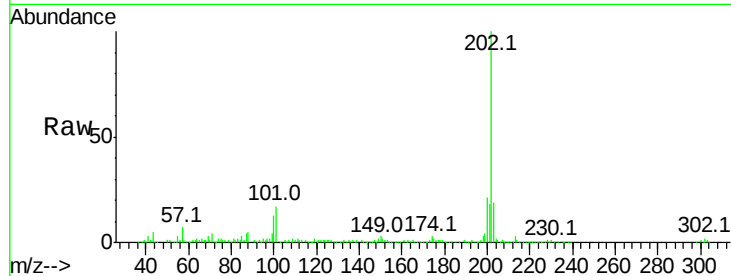




#77
Pvrene
Concen: 9.138 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF099194.D
Acq: 7 Oct 2017 15:10

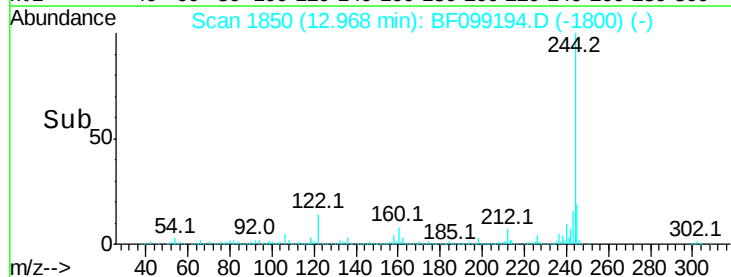
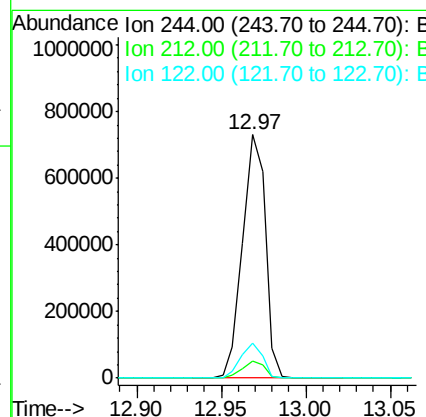
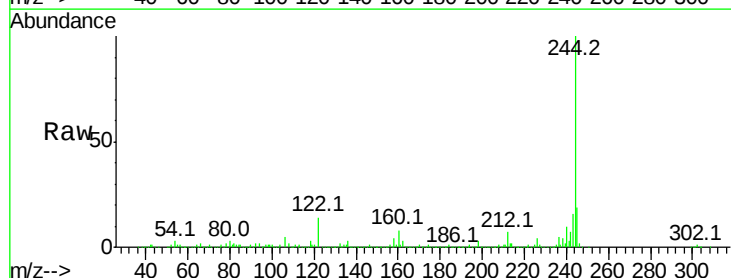
Instrument :
BNA_F
ClientSampleId :

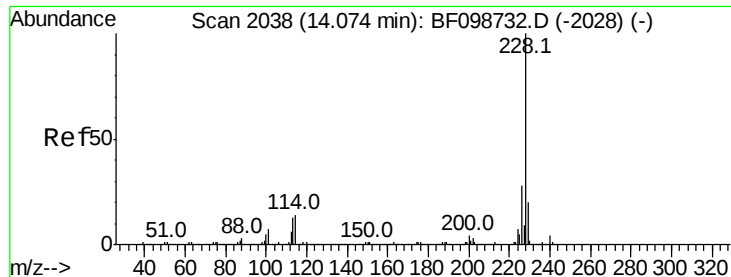
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	18.5	14.3	21.5



#78
Terphenyl-d14
Concen: 67.748 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF099194.D
Acq: 7 Oct 2017 15:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	14.4	11.0	16.4

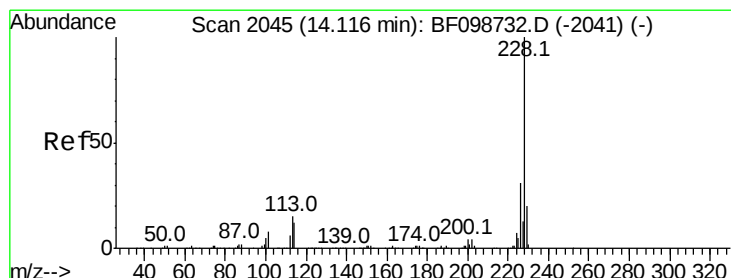
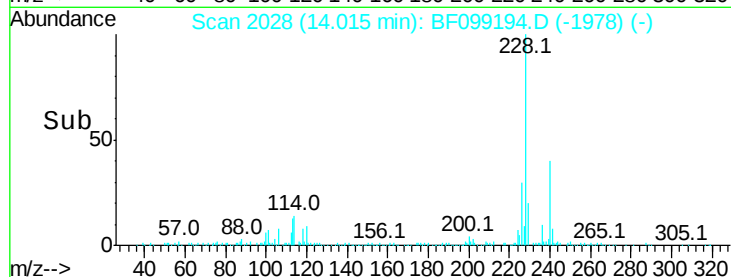
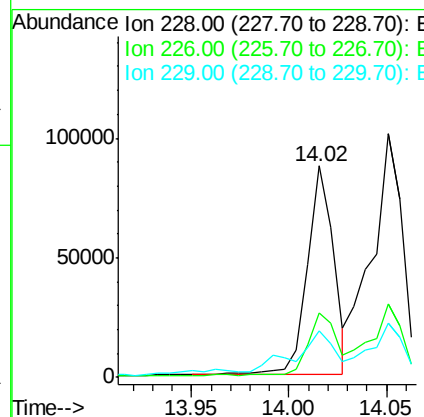
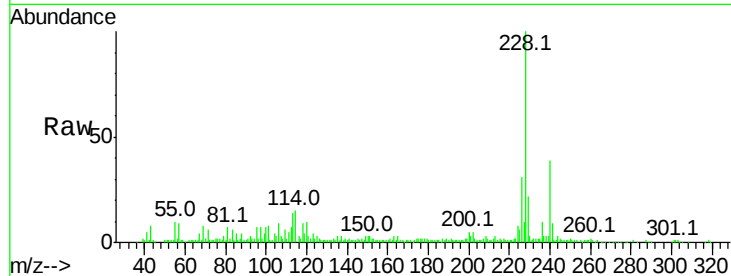




#80
Benzo(a)anthracene
Concen: 5.794 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099194.D
Acq: 7 Oct 2017 15:10

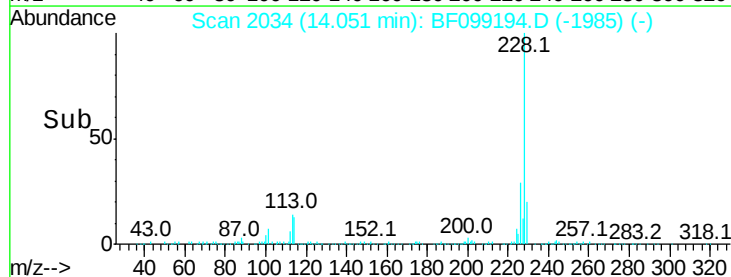
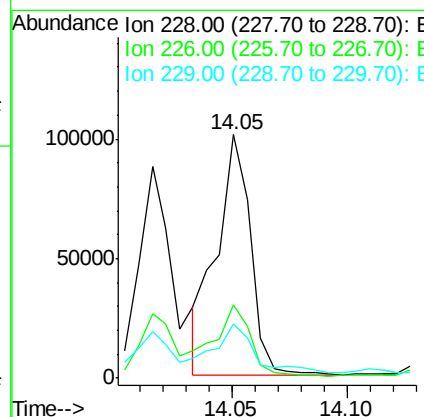
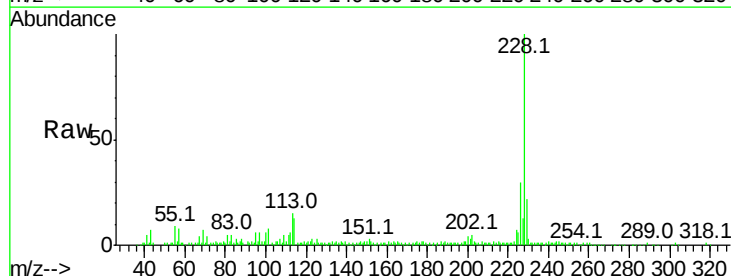
Instrument :
BNA_F
ClientSampleId :

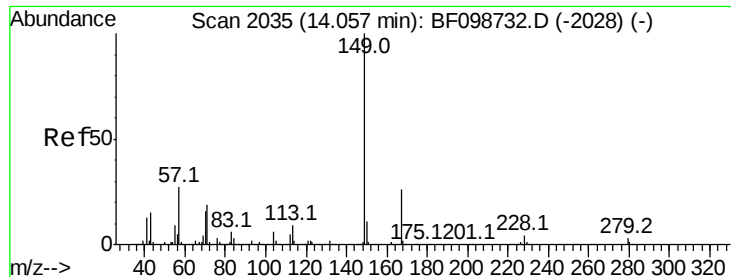
Tot Ion:228 Resp: 81607
Ion Ratio Lower Upper
228 100
226 30.6 22.6 33.8
229 22.0 15.8 23.6



#82
Chrysene
Concen: 7.621 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099194.D
Acq: 7 Oct 2017 15:10

Tgt Ion:228 Resp: 102182
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.4 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.989 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF099194.D

Acq: 7 Oct 2017 15:10

Instrument :

BNA_F

ClientSampleId :

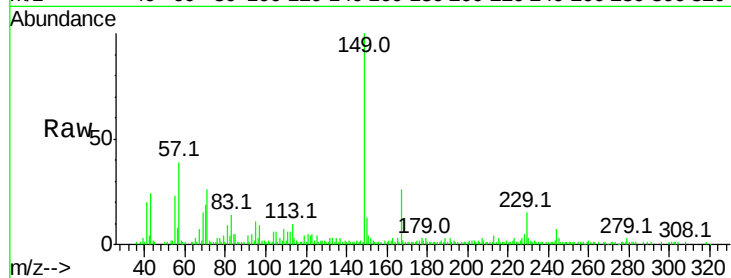
Tot Ion:149 Resp: 57266

Ion Ratio Lower Upper

149 100

167 25.9 21.3 31.9

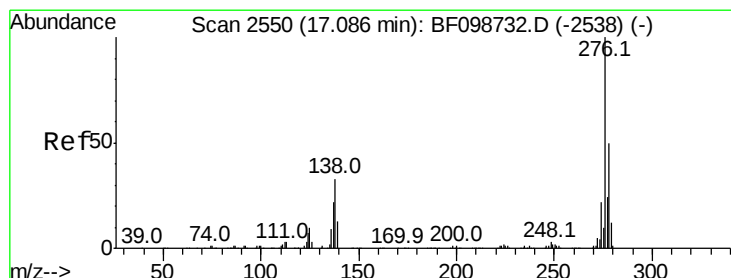
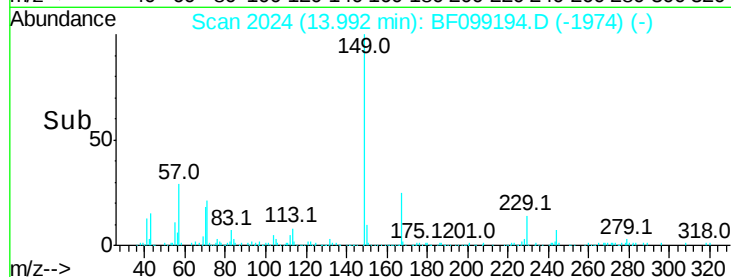
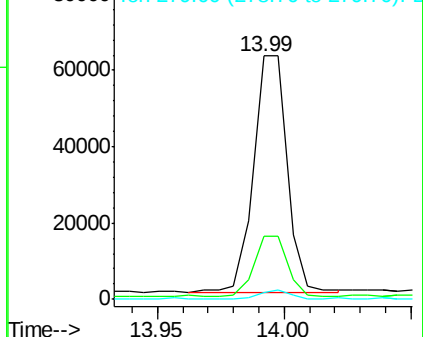
279 2.9 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.113 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF099194.D

Acq: 7 Oct 2017 15:10

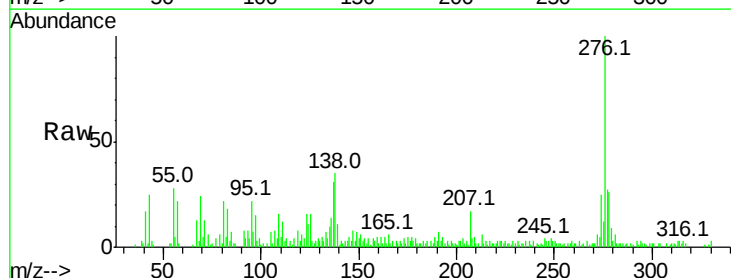
Tgt Ion:276 Resp: 44118

Ion Ratio Lower Upper

276 100

138 33.6 25.0 37.6

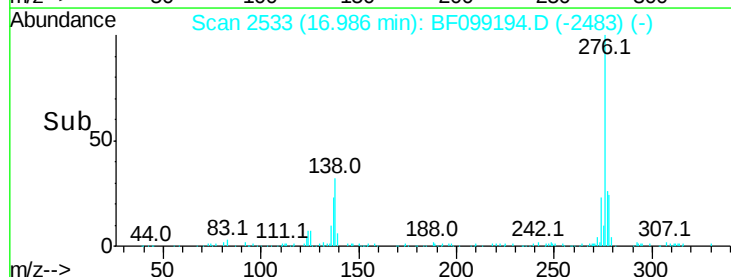
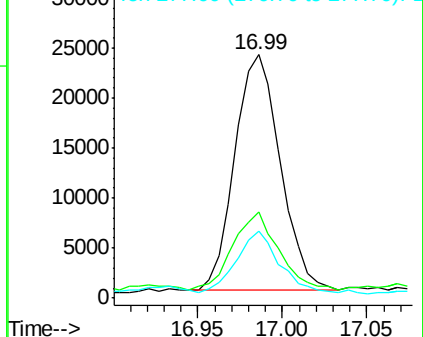
277 24.4 20.1 30.1

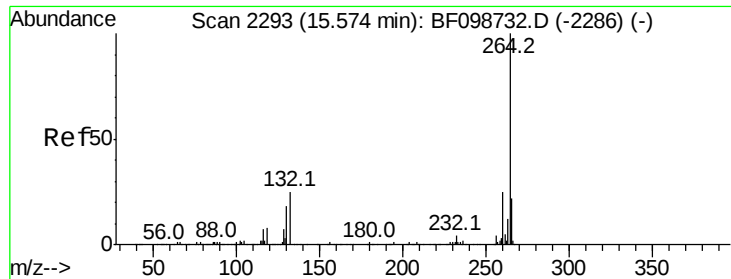


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

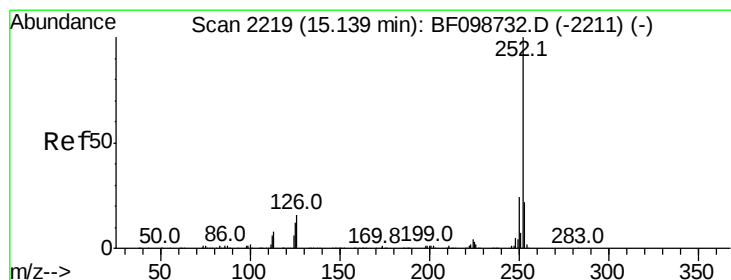
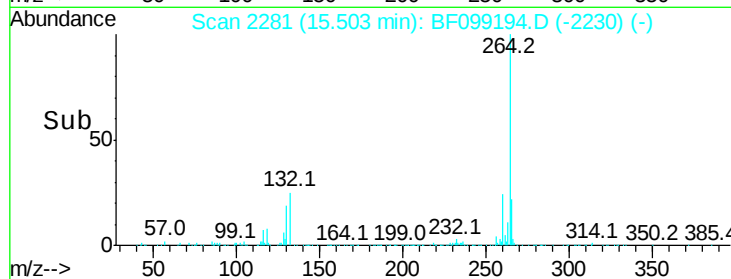
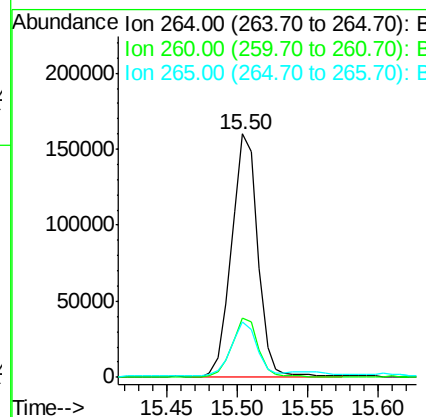
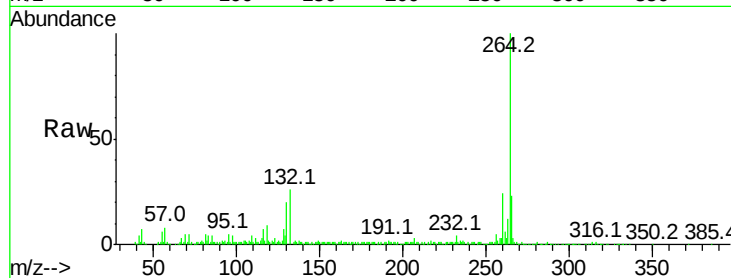




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: BF099194.D
 Acq: 7 Oct 2017 15:10

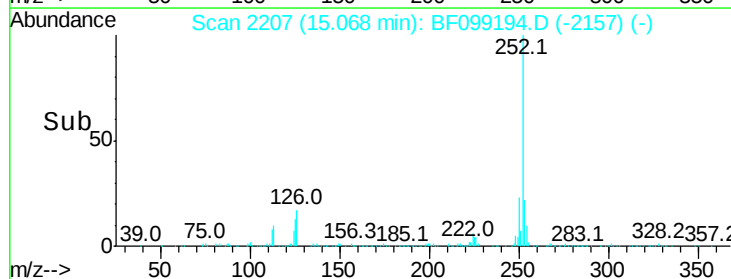
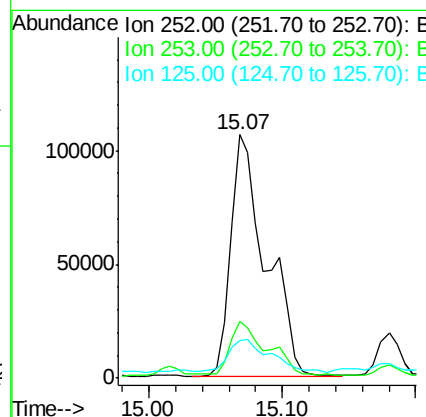
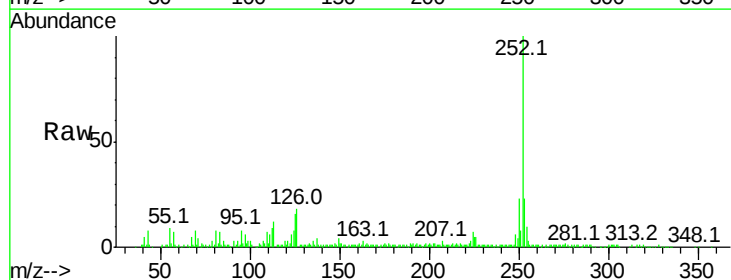
Instrument :
 BNA_F
 ClientSampleId :

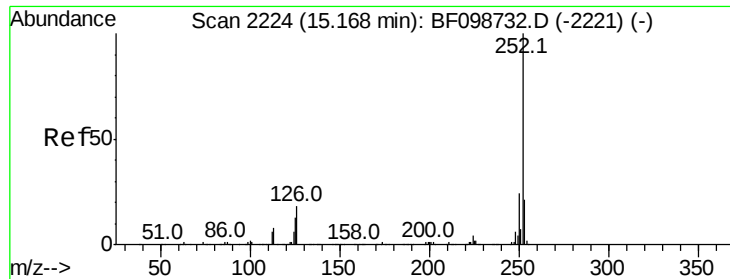
Tot Ion:264 Resp: 205570
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 22.6 17.5 26.3



#87
 Benzo(b)fluoranthene
 Concen: 15.688 ng
 RT: 15.07 min Scan# 2207
 Delta R.T. -0.01 min
 Lab File: BF099194.D
 Acq: 7 Oct 2017 15:10

Tgt Ion:252 Resp: 198289
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.0 25.6
 125 15.5 9.0 13.6#

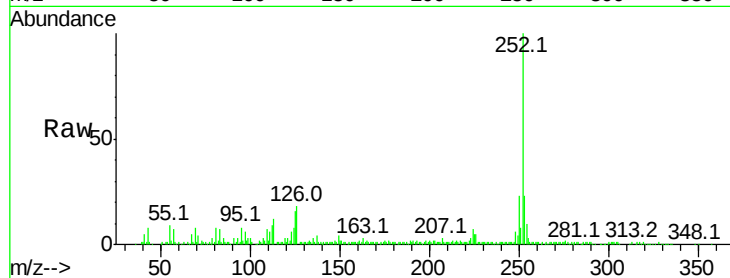




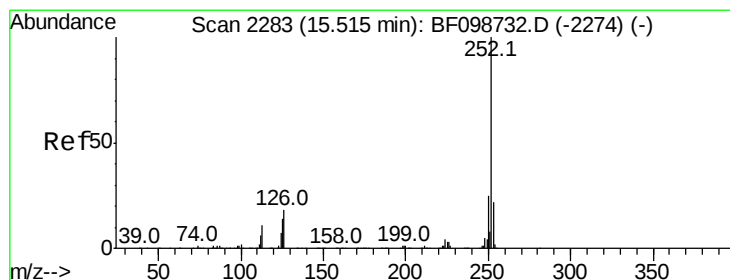
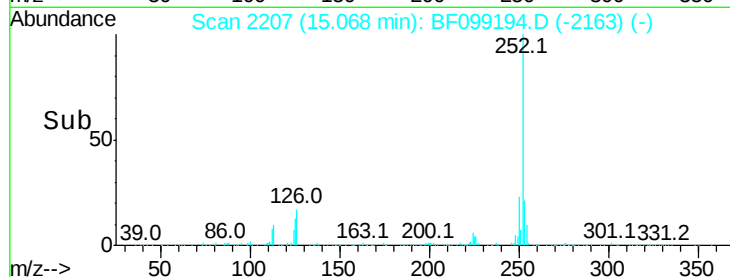
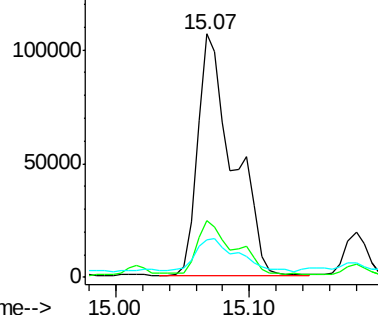
#88
Benzo(k)fluoranthene
Concen: 15.884 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF099194.D
Acq: 7 Oct 2017 15:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	15.5	10.2	15.2#

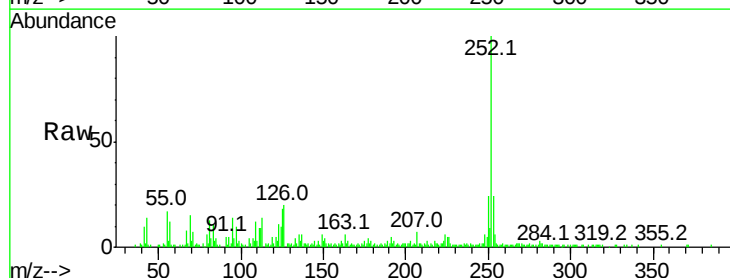


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

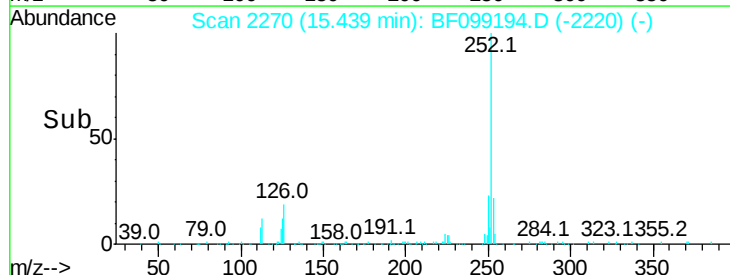
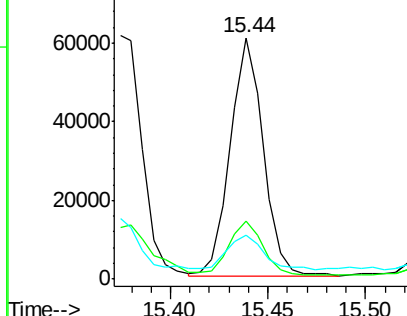


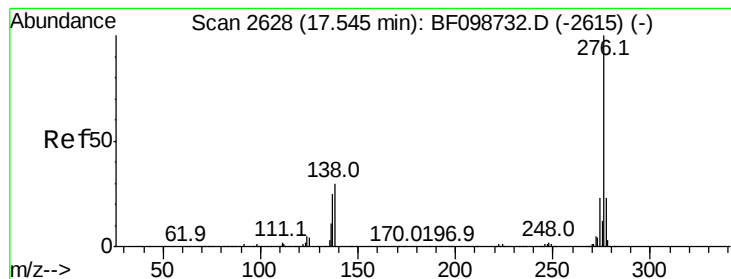
#89
Benzo(a)pyrene
Concen: 6.137 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF099194.D
Acq: 7 Oct 2017 15:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	18.5	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

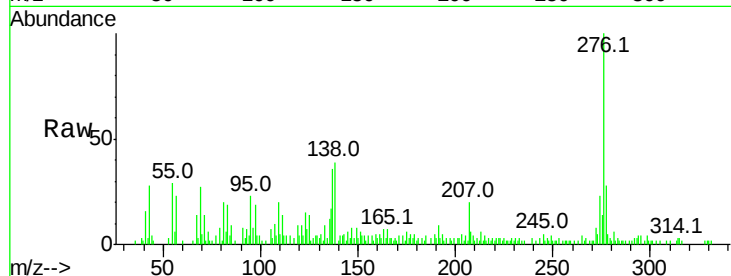




#91
 Benzo(a,h,i)perylene
 Concen: 4.449 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. -0.01 min
 Lab File: BF099194.D
 Acq: 7 Oct 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.0	17.9	26.9#
138	38.7	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

