

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099187.D
 Acq On : 7 Oct 2017 11:53
 Operator : SJ/JU
 Sample : I5586-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 03:32:11 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	131899	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	528791	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	229722	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	361955	20.00	ng	0.00
75) Chrysene-d12	14.03	240	230002	20.00	ng	0.00
86) Perylene-d12	15.50	264	223249	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1017300	122.78	ng	0.01
7) Phenol-d6	6.50	99	1254324	122.72	ng	0.00
23) Nitrobenzene-d5	7.43	82	763216	92.56	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	228757	121.70	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1313347	95.44	ng	0.00
78) Terphenyl-d14	12.97	244	914703	90.44	ng	0.00

Target Compounds

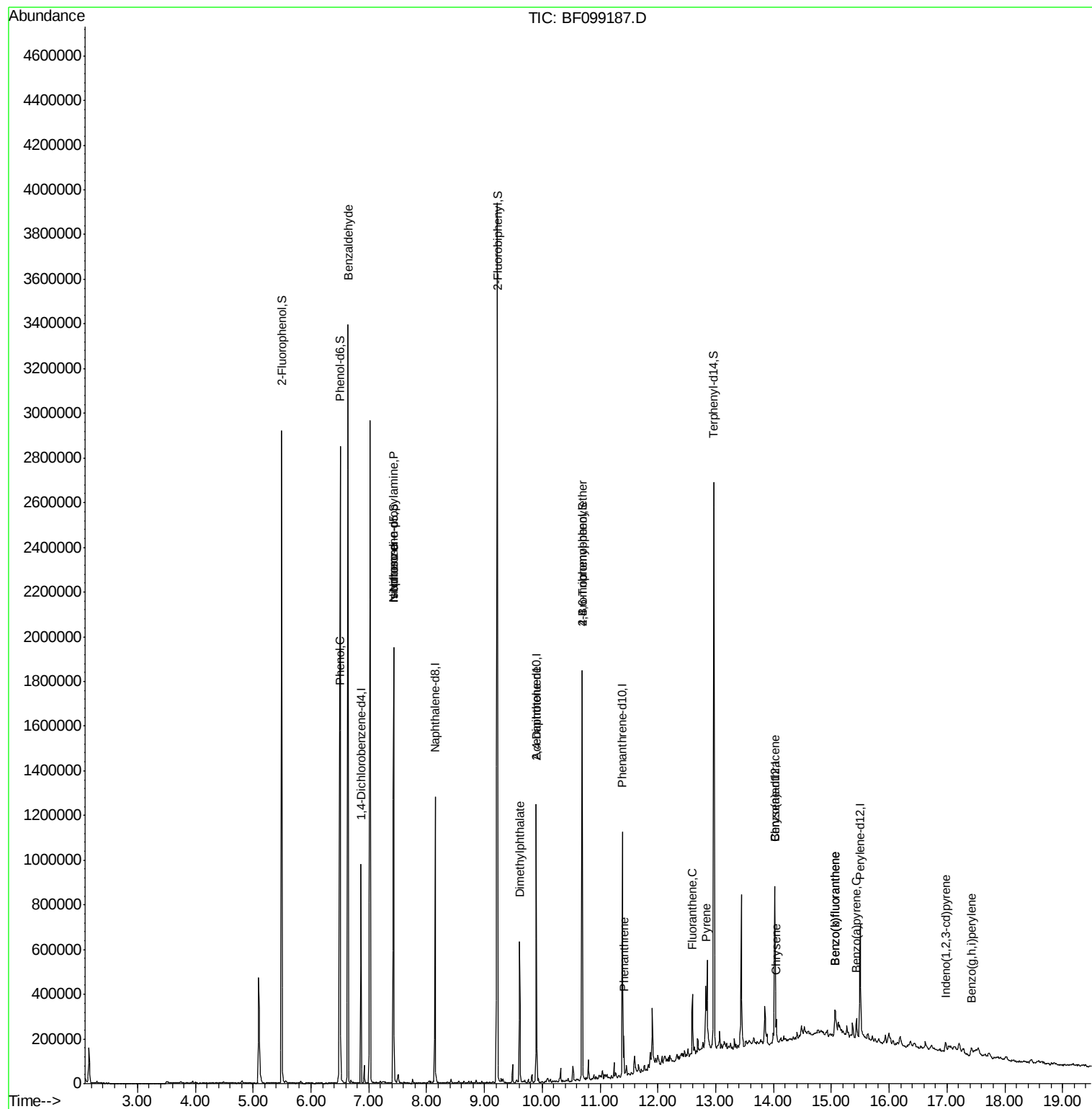
						Qvalue
9) Benzaldehyde	6.64	77	20695	3.490	ng	85
10) Phenol	6.52	94	39910	3.491	ng	93
19) n-Nitroso-di-n-propylamine	7.43	70	97969	15.012	ng	# 74
25) Isophorone	7.43	82	763207	44.769	ng	# 64
49) Dimethylphthalate	9.61	163	229907	13.260	ng	100
56) 2,4-Dinitrotoluene	9.90	165	29075	5.935	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	15175	4.283	ng	# 1
70) Phenanthrene	11.41	178	62171	3.209	ng	99
74) Fluoranthene	12.60	202	92969	4.739	ng	99
77) Pyrene	12.83	202	85503	4.875	ng	96
80) Benzo(a)anthracene	14.02	228	41037	2.947	ng	97
82) Chrysene	14.05	228	40987	3.091	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	24293	2.290	ng	# 90
87) Benzo(b)fluoranthene	15.06	252	74890	5.456	ng	# 92
88) Benzo(k)fluoranthene	15.06	252	74890	5.524	ng	# 95
89) Benzo(a)pyrene	15.43	252	35058	2.782	ng	# 88
91) Benzo(a,h,i)perylene	17.43	276	23101	2.318	ng	# 89

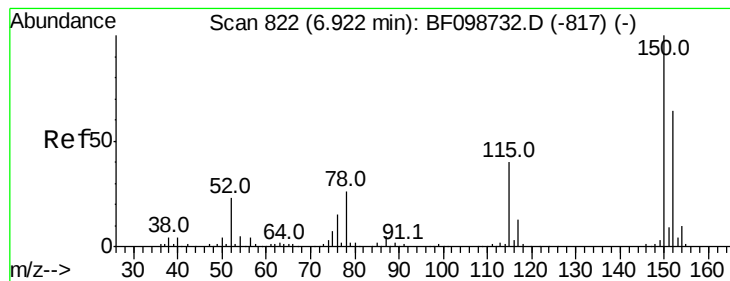
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099187.D
Acq On : 7 Oct 2017 11:53
Operator : SJ/JU
Sample : I5586-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 08 03:32:11 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



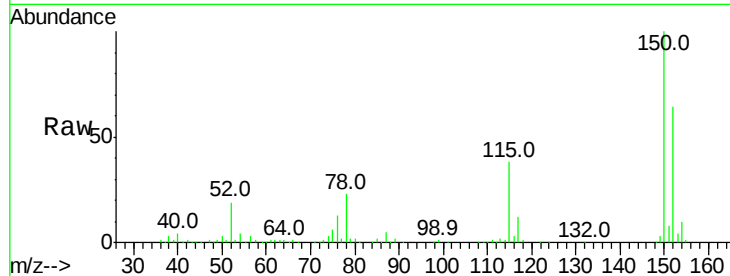


#1

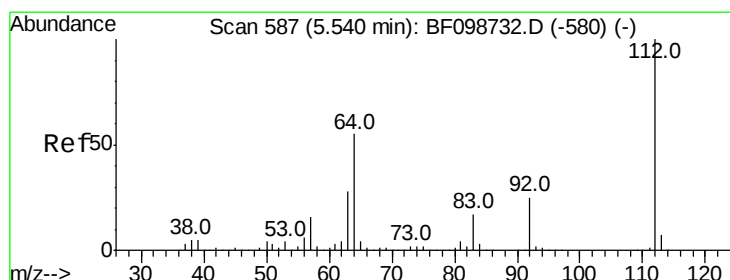
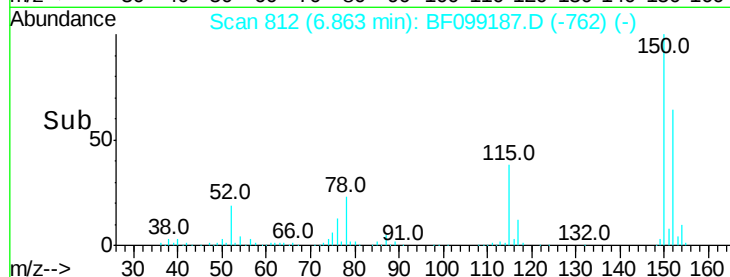
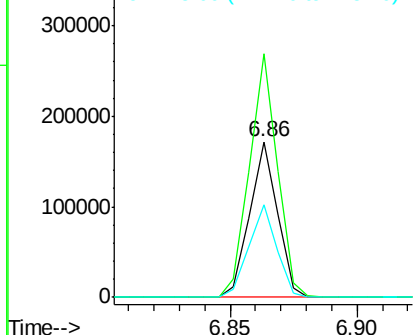
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099187.D
Acq: 7 Oct 2017 11:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131899
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 59.9 50.1 75.1



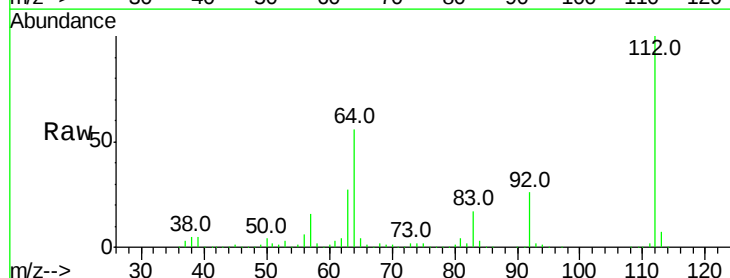
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



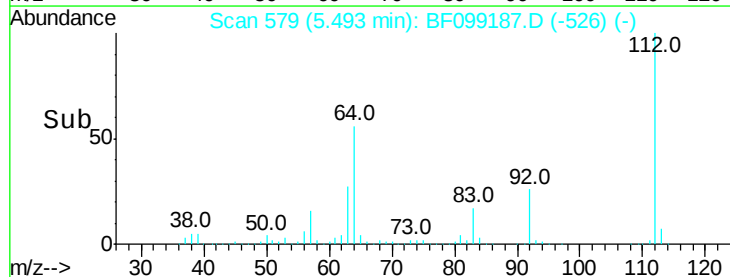
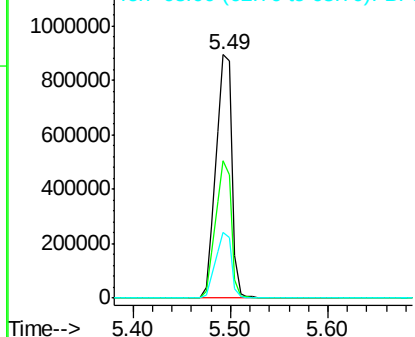
#5

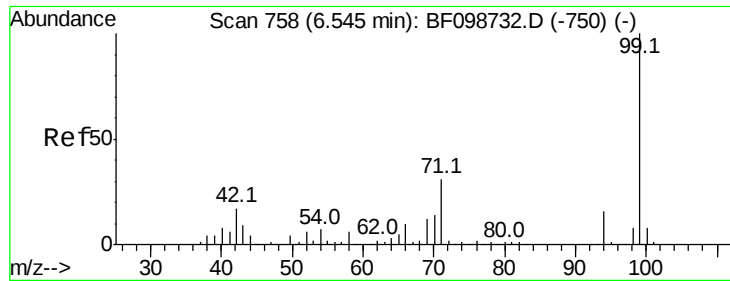
2-Fluorophenol
Concen: 122.779 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF099187.D
Acq: 7 Oct 2017 11:53

Tgt Ion:112 Resp: 1017300
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 27.2 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: 122.717 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099187.D

Acq: 7 Oct 2017 11:53

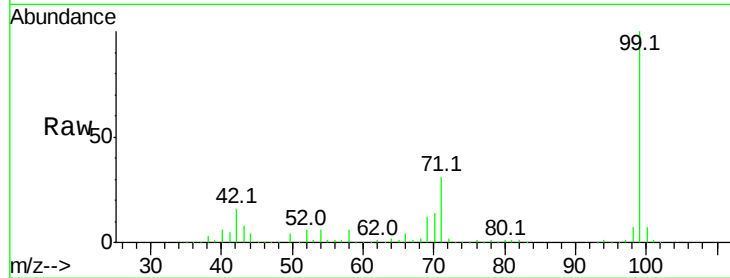
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1254324

Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.5	21.7
71	31.4	25.4	38.0

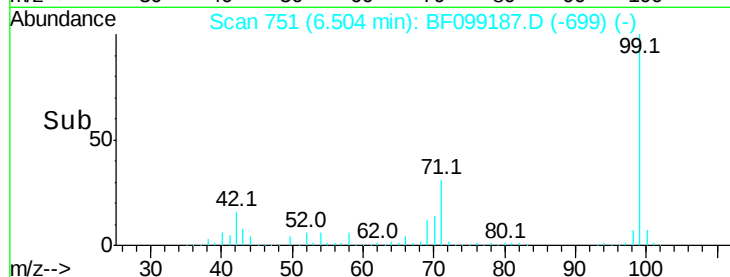


Abundance

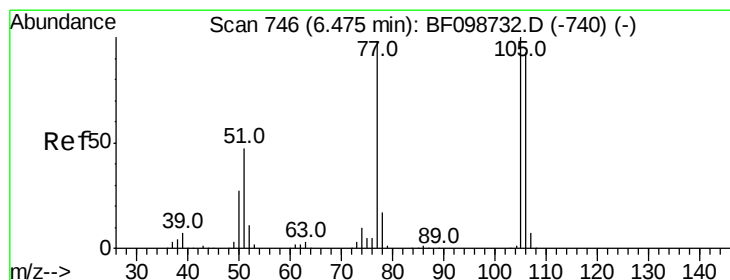
Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#9

Benzaldehyde

Concen: 3.490 ng

RT: 6.64 min Scan# 774

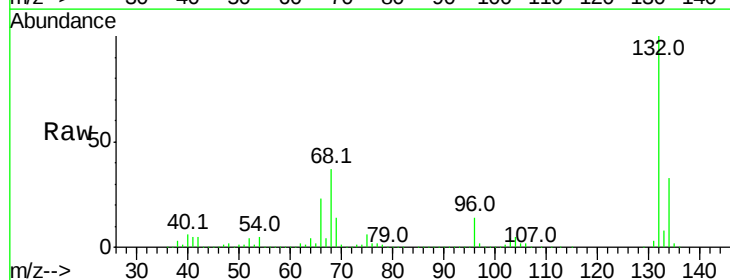
Delta R.T. 0.22 min

Lab File: BF099187.D

Acq: 7 Oct 2017 11:53

Tgt Ion: 77 Resp: 20695

Ion	Ratio	Lower	Upper
77	100		
105	83.7	81.1	121.1
106	82.7	74.5	114.5

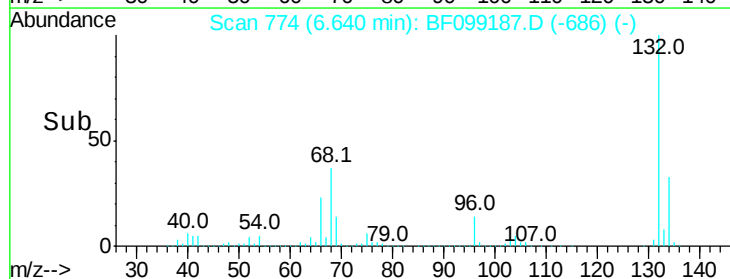


Abundance

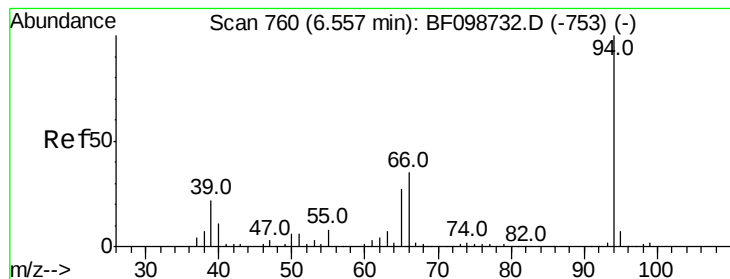
Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



Time-->



#10

Phenol

Concen: 3.491 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF099187.D

Acq: 7 Oct 2017 11:53

Instrument :

BNA_F

ClientSampleId :

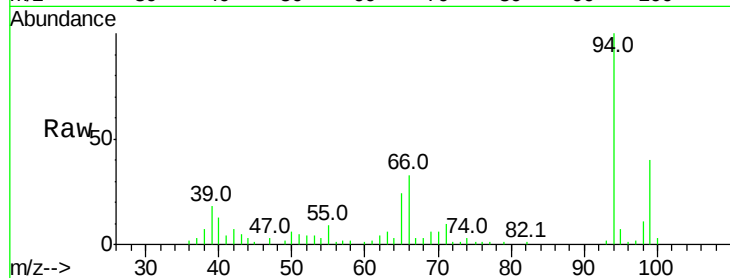
Tot Ion: 94 Resp: 39910

Ion Ratio Lower Upper

94 100

65 23.9 7.9 47.9

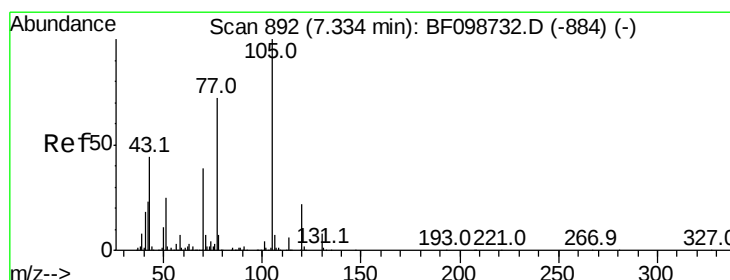
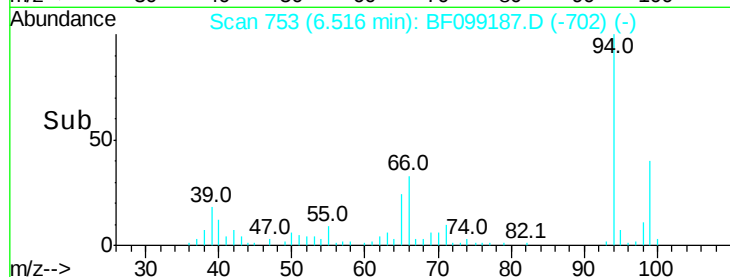
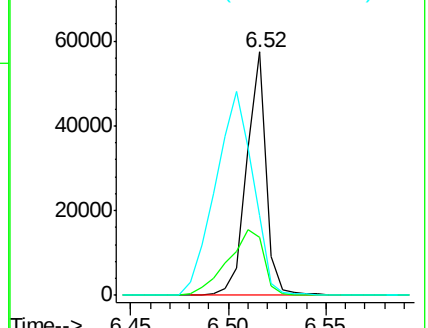
66 32.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.012 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099187.D

Acq: 7 Oct 2017 11:53

Tgt Ion: 70 Resp: 97969

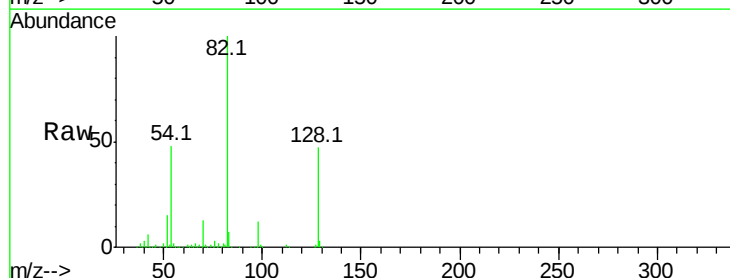
Ion Ratio Lower Upper

70 100

42 43.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

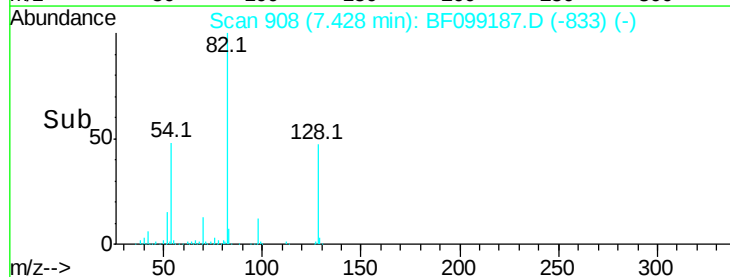
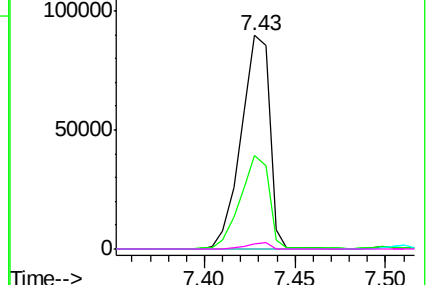


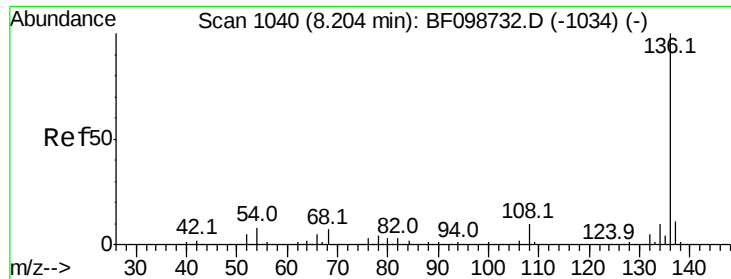
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

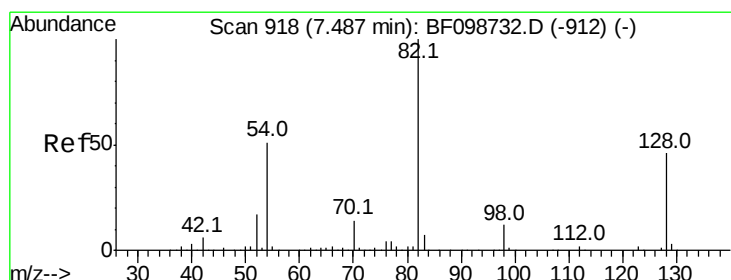
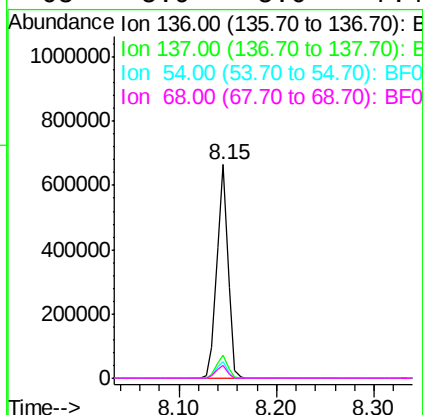
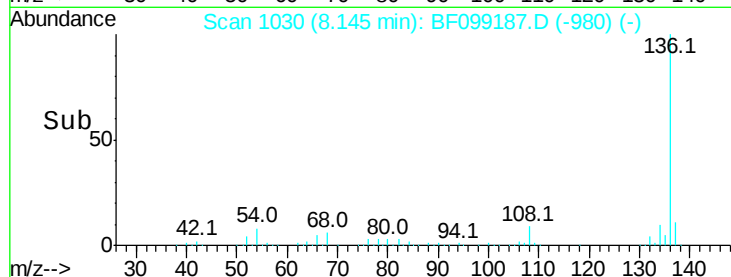
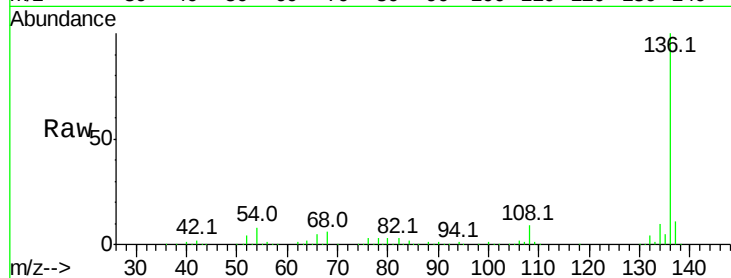




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099187.D
Acq: 7 Oct 2017 11:53

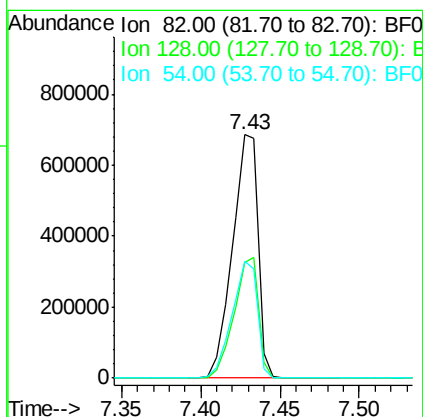
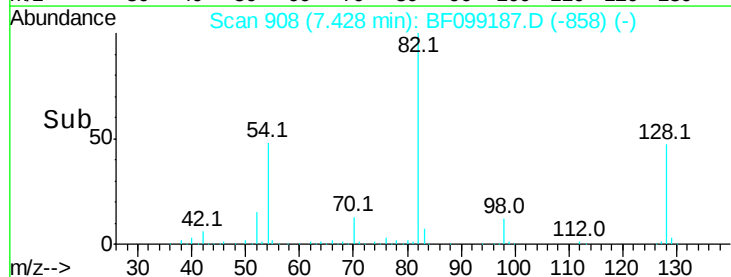
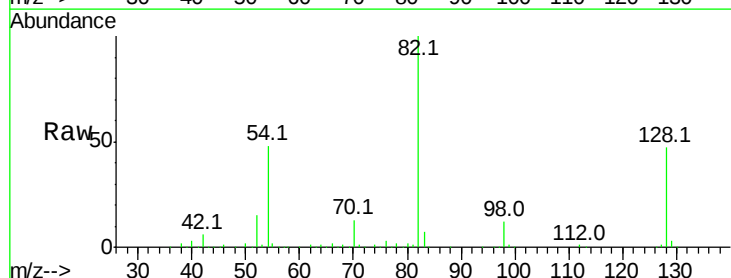
Instrument :
BNA_F
ClientSampleId :

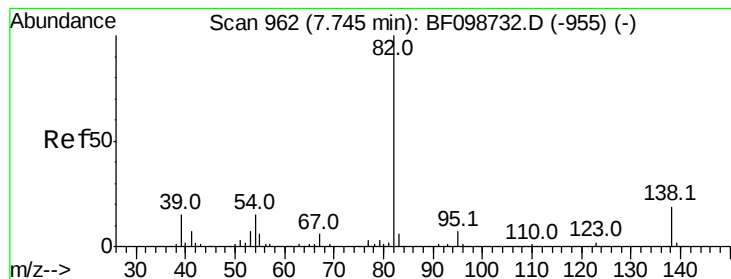
Tot Ion:	136	Resp:	528791
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.5	6.6	9.8
68	5.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 92.560 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099187.D
Acq: 7 Oct 2017 11:53

Tgt Ion:	82	Resp:	763216
Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.1	54.1
54	47.9	41.4	62.2





#25

Isophorone

Concen: 44.769 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF099187.D

Acq: 7 Oct 2017 11:53

Instrument :

BNA_F

ClientSampleId :

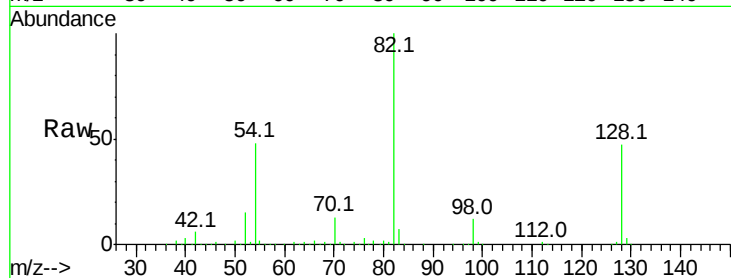
Tot Ion: 82 Resp: 763207

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

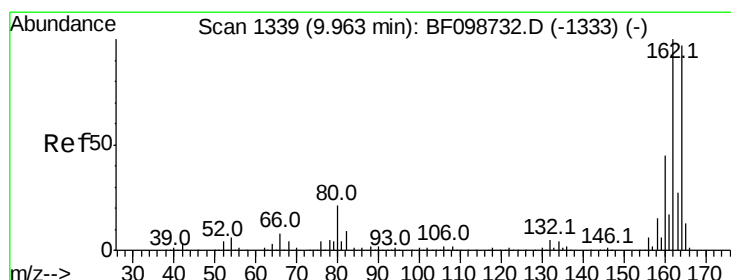
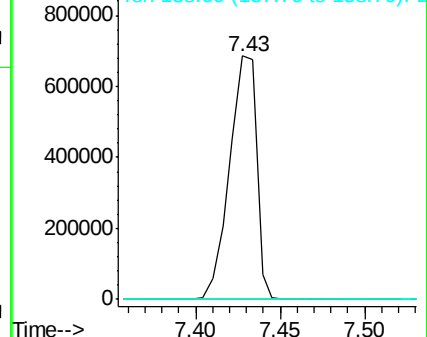
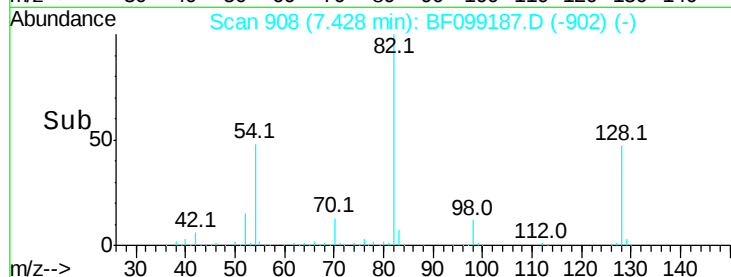
138 0.0 14.9 22.3#



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: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099187.D

Acq: 7 Oct 2017 11:53

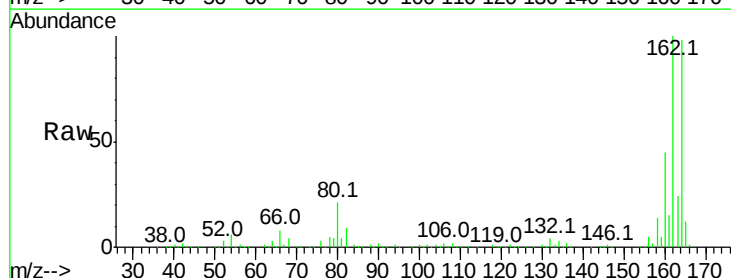
Tgt Ion:164 Resp: 229722

Ion Ratio Lower Upper

164 100

162 101.9 86.1 129.1

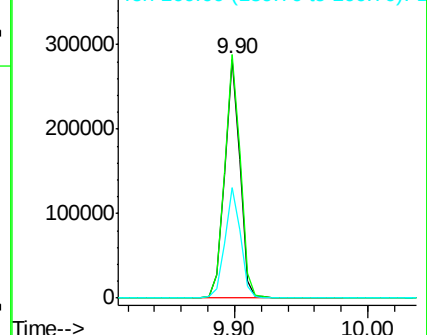
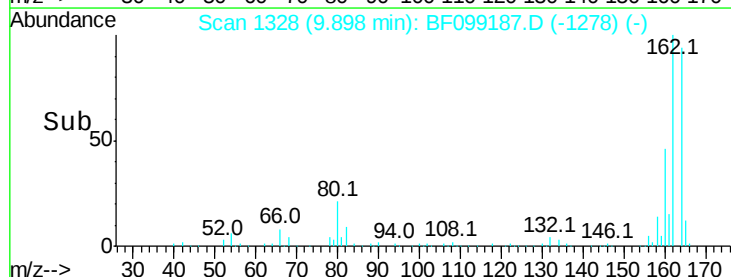
160 46.2 38.3 57.5

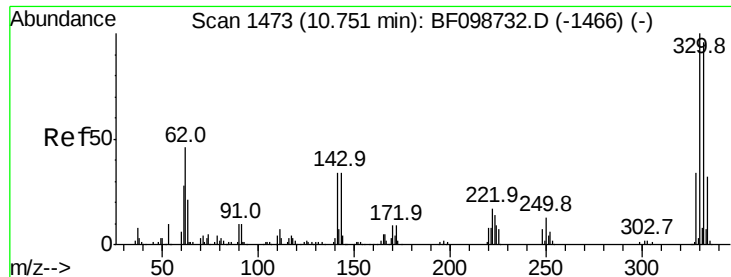


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

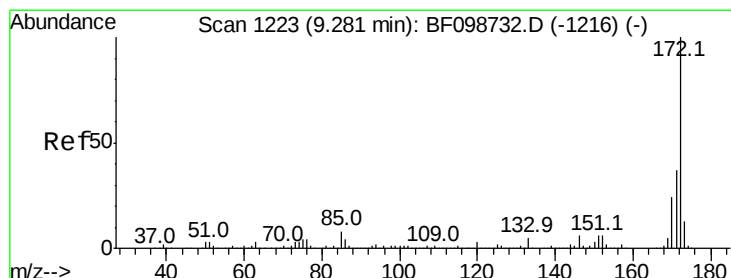
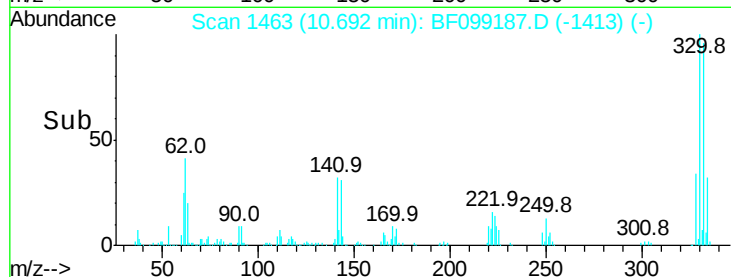
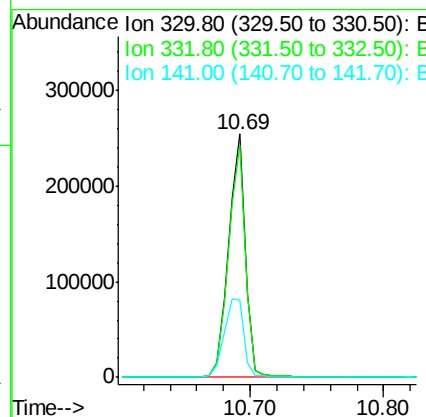
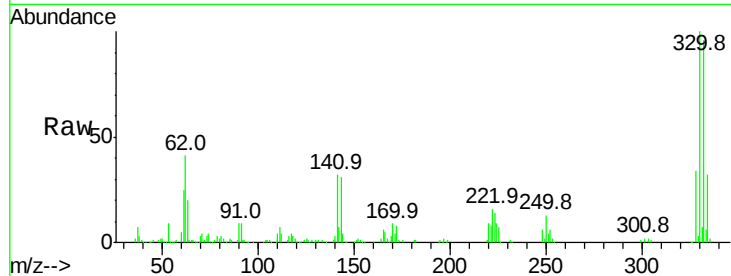




#41
 2,4,6-Tribromophenol
 Concen: 121.696 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099187.D
 Acq: 7 Oct 2017 11:53

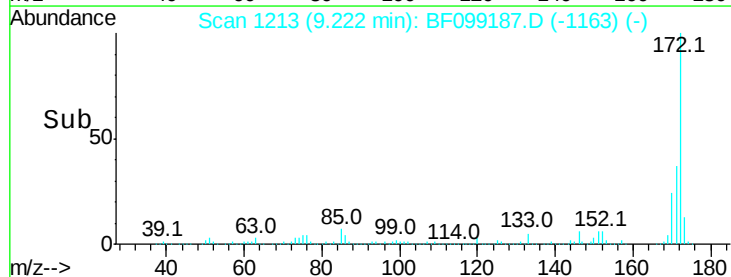
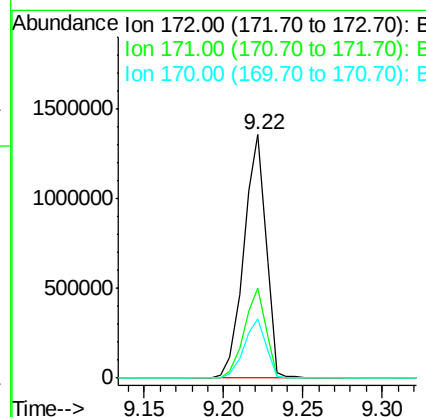
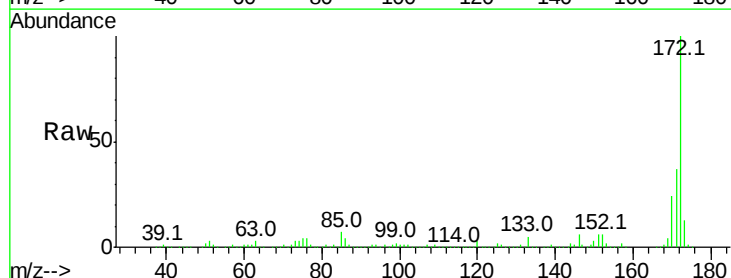
Instrument :
 BNA_F
 ClientSampleId :

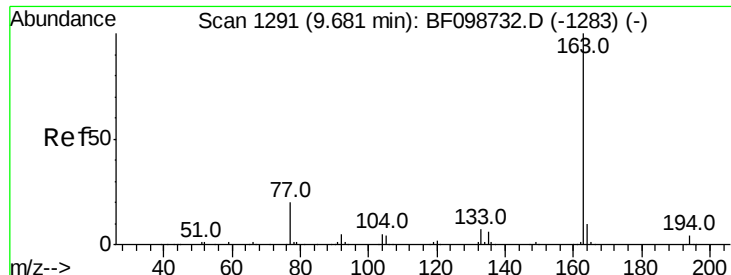
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	38.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 95.442 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099187.D
 Acq: 7 Oct 2017 11:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	24.3	19.6	29.4

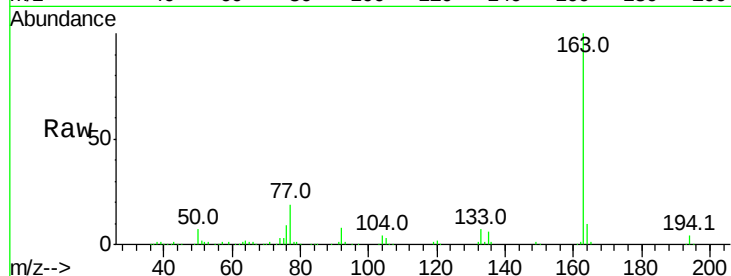




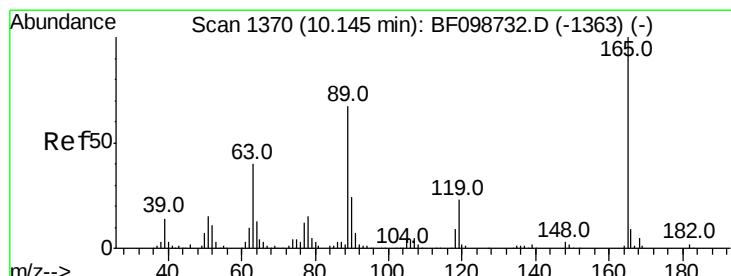
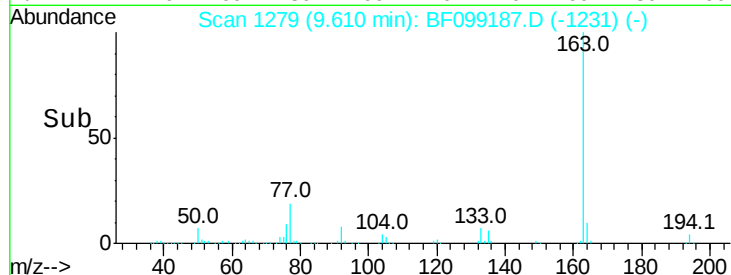
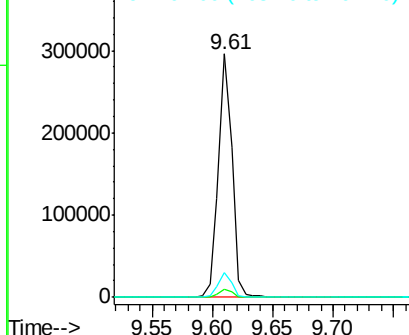
#49
Dimethylphthalate
Concen: 13.260 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099187.D
Acq: 7 Oct 2017 11:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.3	8.2	12.2



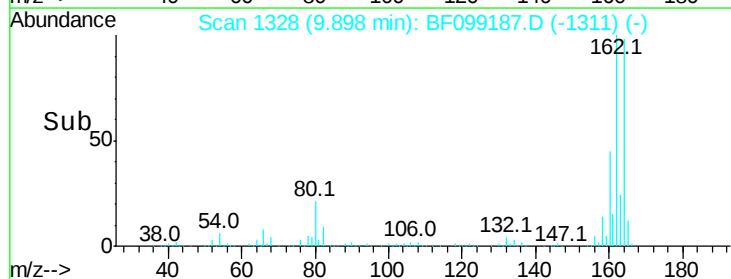
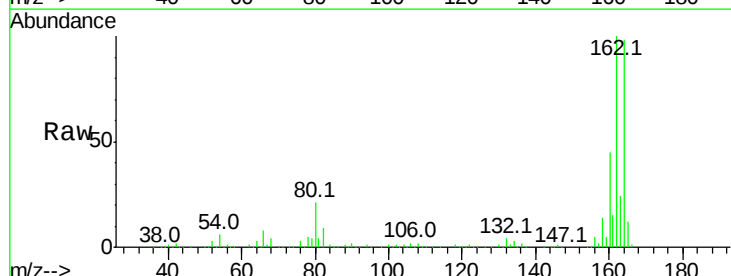
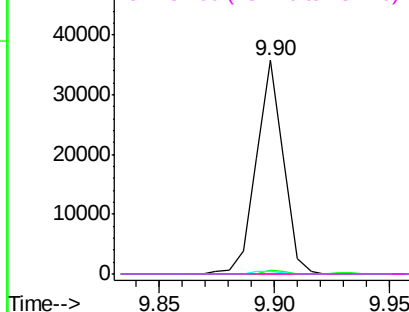
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

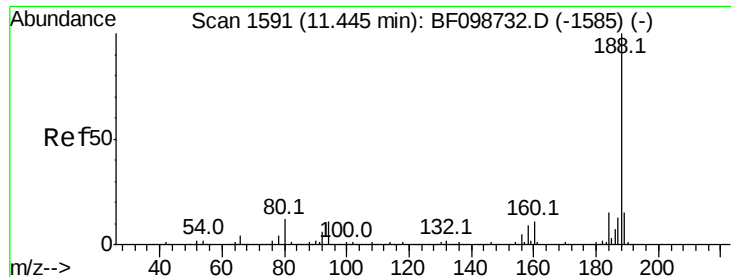


#56
2,4-Dinitrotoluene
Concen: 5.935 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099187.D
Acq: 7 Oct 2017 11:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.3	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

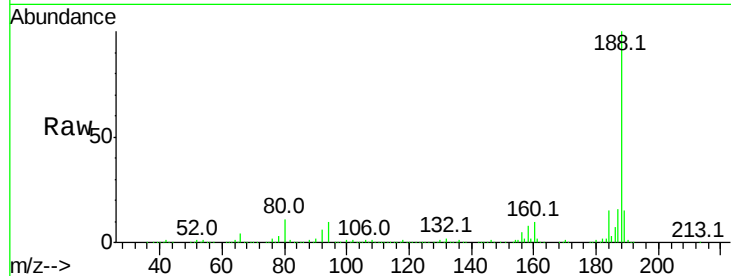




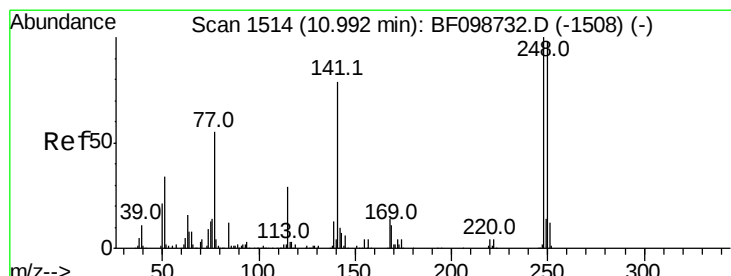
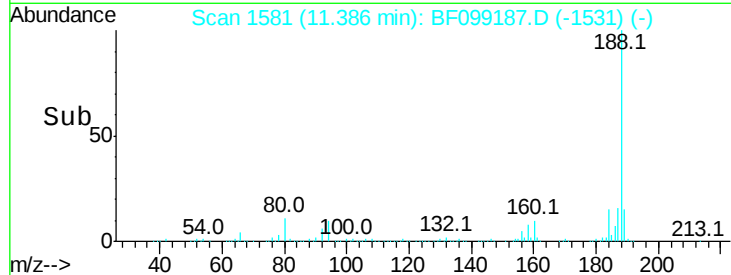
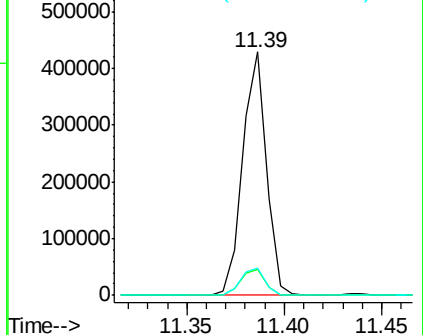
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099187.D
Acq: 7 Oct 2017 11:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 361955
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.5 9.2 13.8

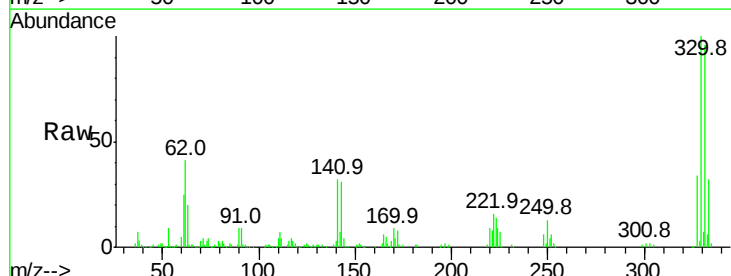


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

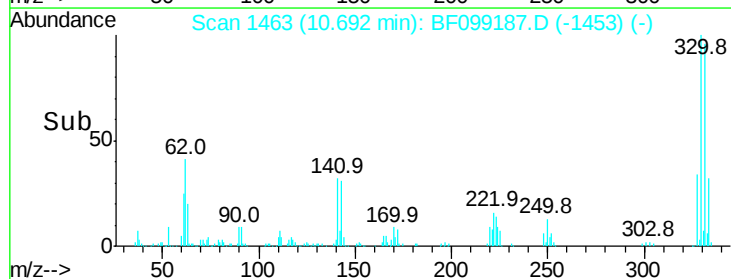
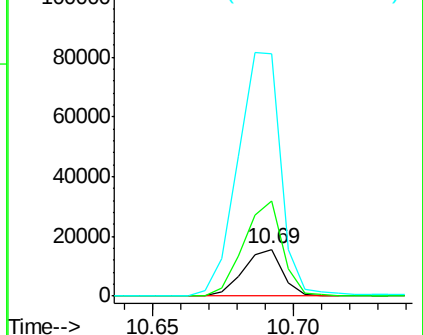


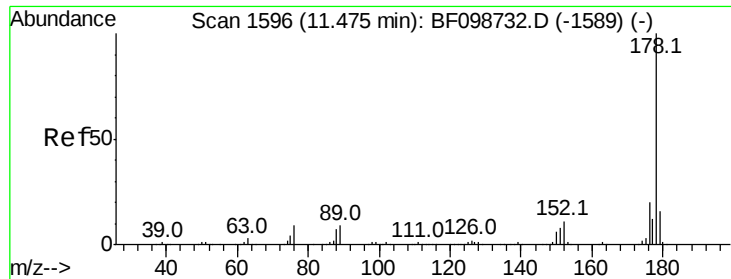
#66
4-Bromophenyl-phenylether
Concen: 4.283 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF099187.D
Acq: 7 Oct 2017 11:53

Tgt Ion:248 Resp: 15175
Ion Ratio Lower Upper
248 100
250 205.2 76.9 115.3#
141 519.6 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: 3.209 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF099187.D

Acq: 7 Oct 2017 11:53

Instrument :

BNA_F

ClientSampleId :

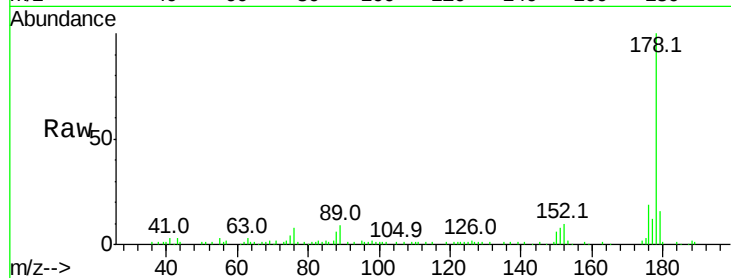
Tot Ion:178 Resp: 62171

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

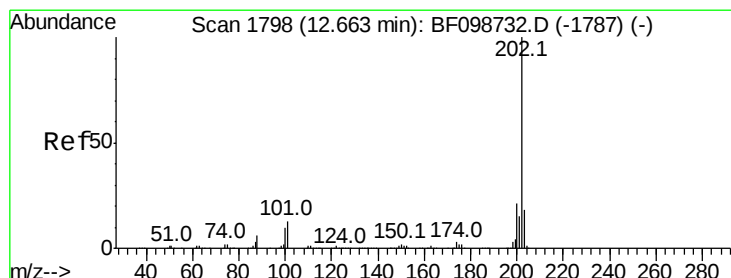
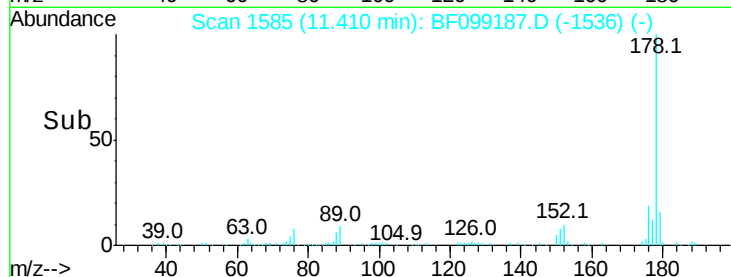
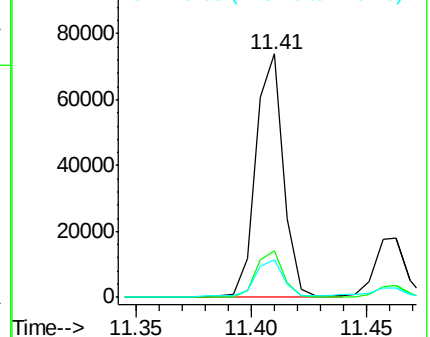
179 15.7 13.0 19.6



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: 4.739 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF099187.D

Acq: 7 Oct 2017 11:53

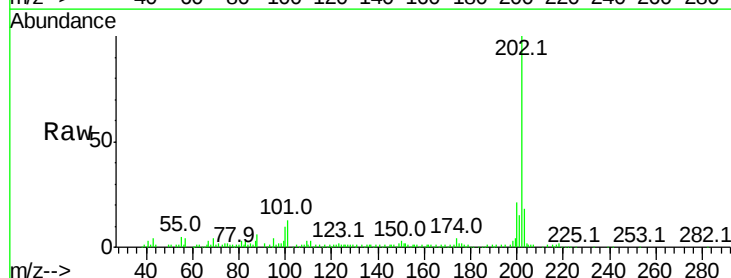
Tgt Ion:202 Resp: 92969

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

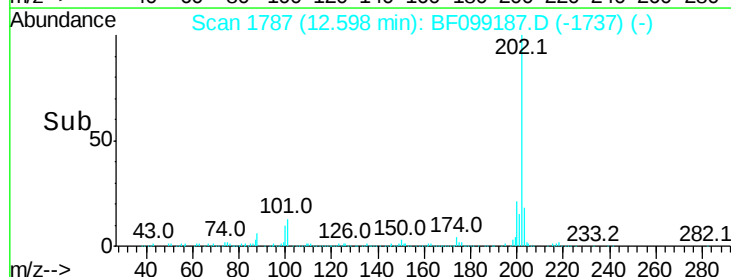
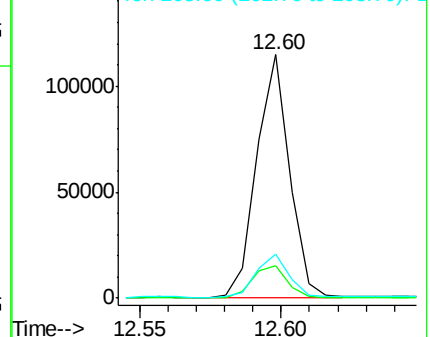
203 17.9 0.0 38.1

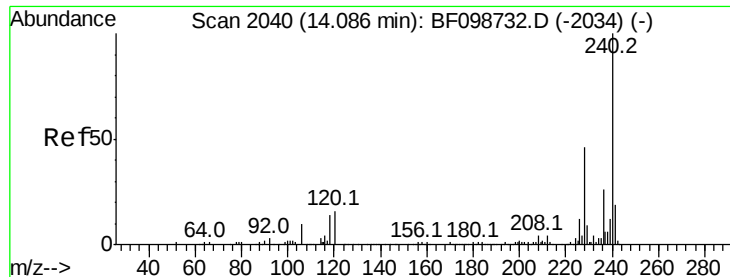


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF099187.D

Acq: 7 Oct 2017 11:53

Instrument :

BNA_F

ClientSampleId :

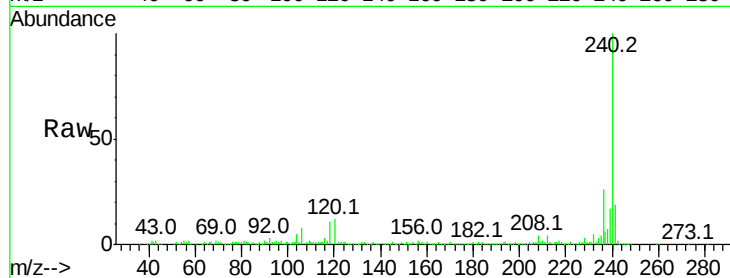
Tot Ion:240 Resp: 230002

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

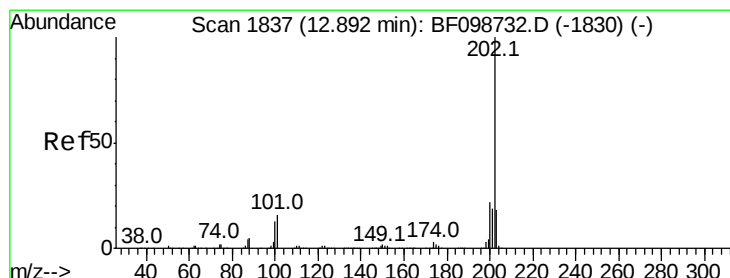
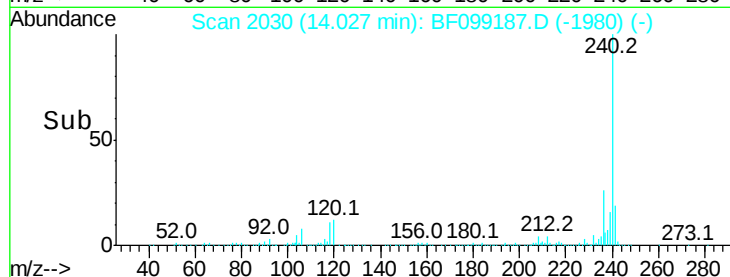
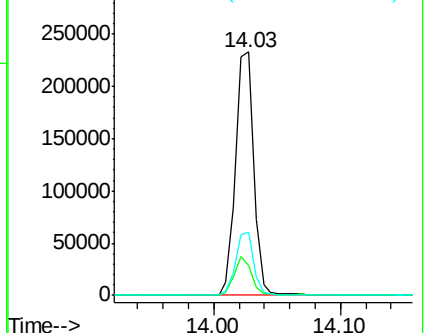
236 26.0 20.7 31.1



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: 4.875 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099187.D

Acq: 7 Oct 2017 11:53

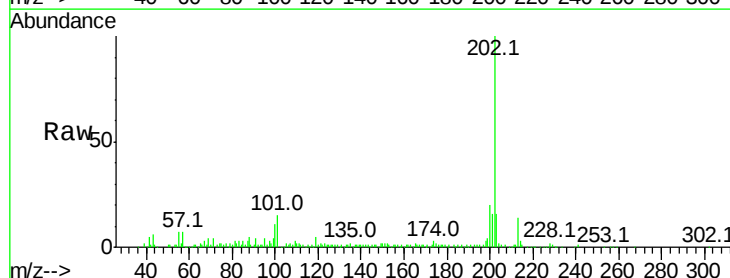
Tgt Ion:202 Resp: 85503

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

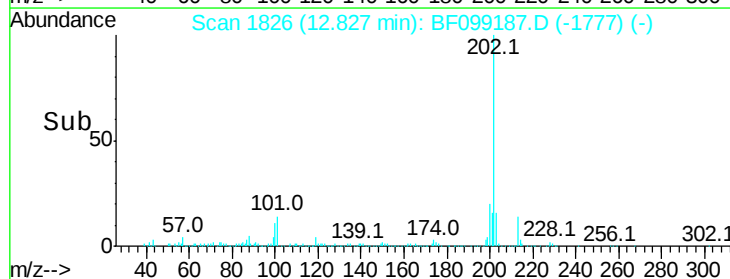
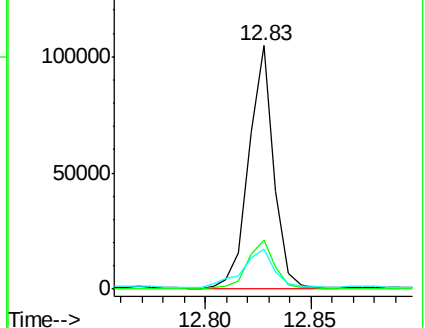
203 16.3 14.3 21.5

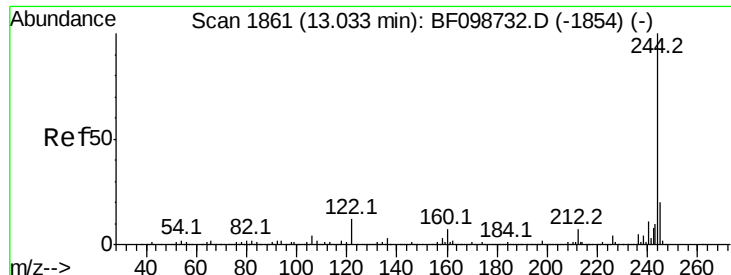


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

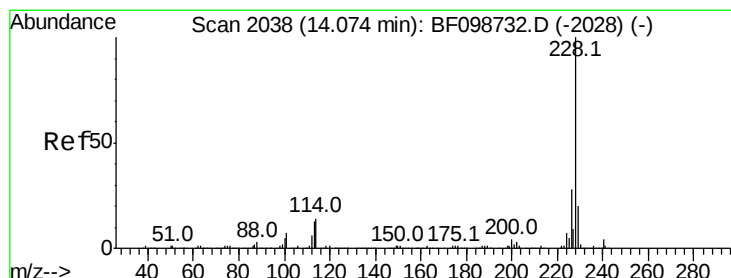
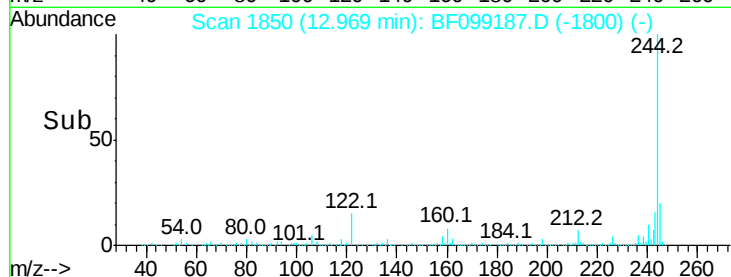
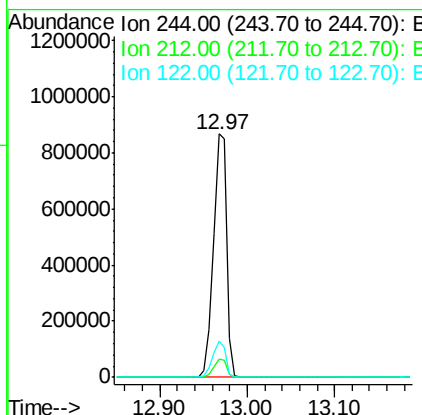
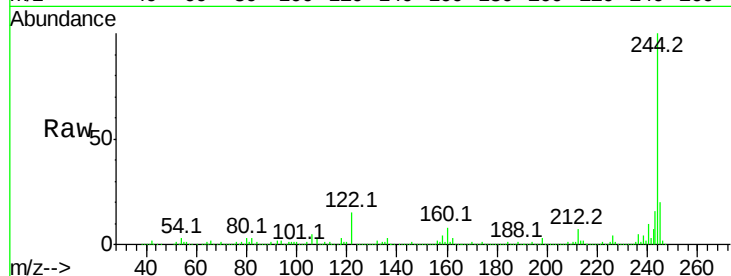




#78
 Terphenyl-d14
 Concen: 90.444 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF099187.D
 Acq: 7 Oct 2017 11:53

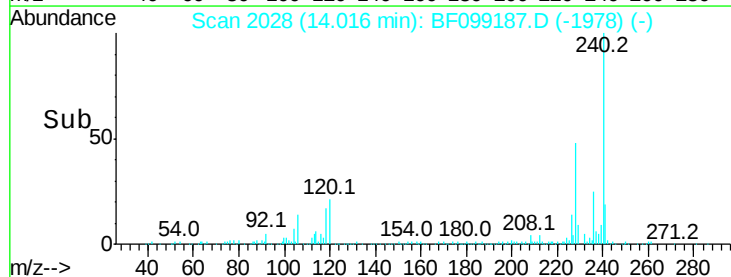
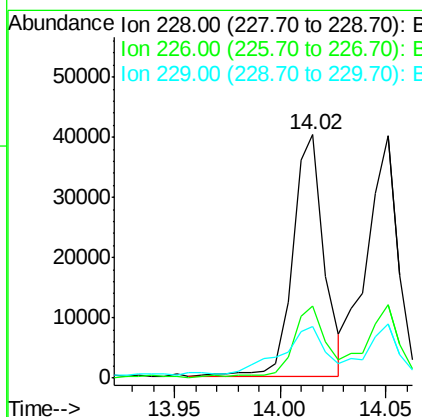
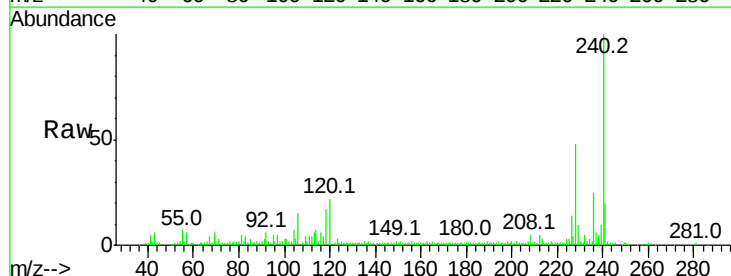
Instrument :
 BNA_F
 ClientSampled :

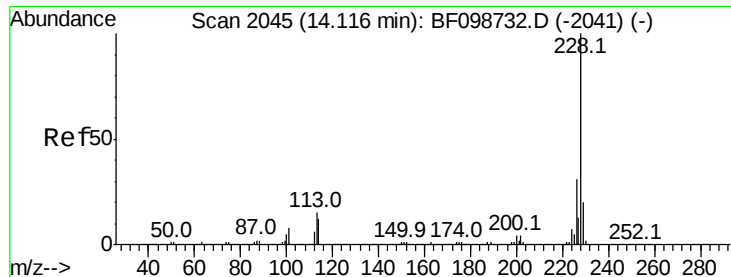
Tot Ion:244 Resp: 914703
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 14.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.947 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF099187.D
 Acq: 7 Oct 2017 11:53

Tgt Ion:228 Resp: 41037
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.6 33.8
 229 21.3 15.8 23.6

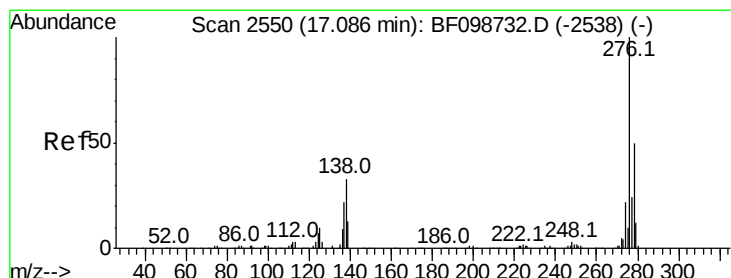
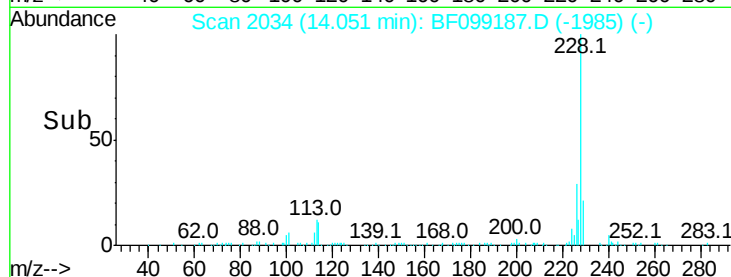
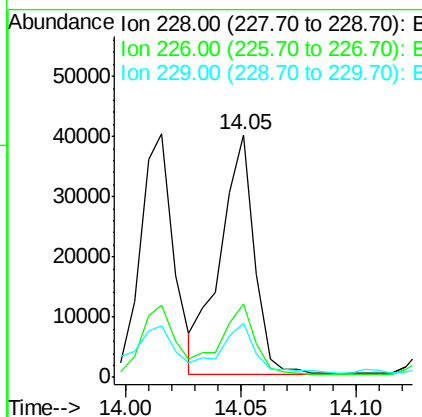
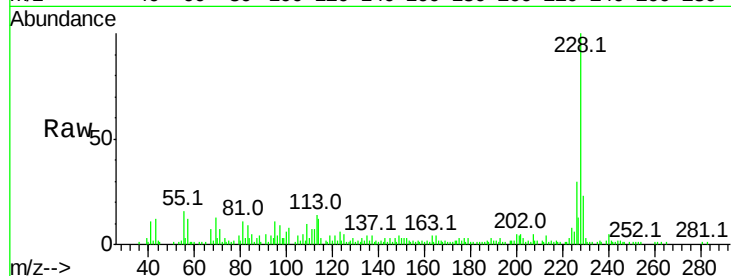




#82
 Chrysene
 Concen: 3.091 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF099187.D
 Acq: 7 Oct 2017 11:53

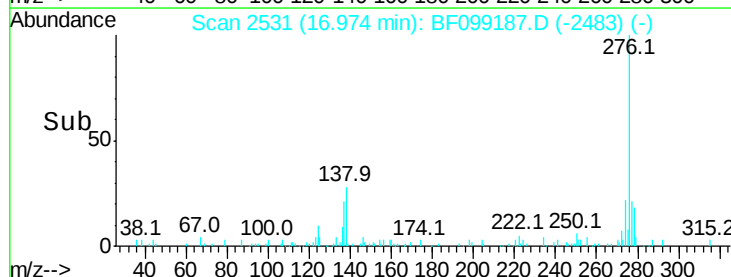
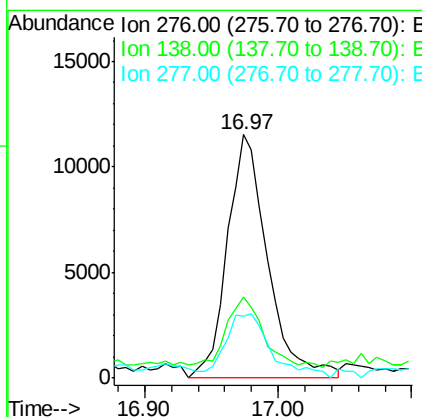
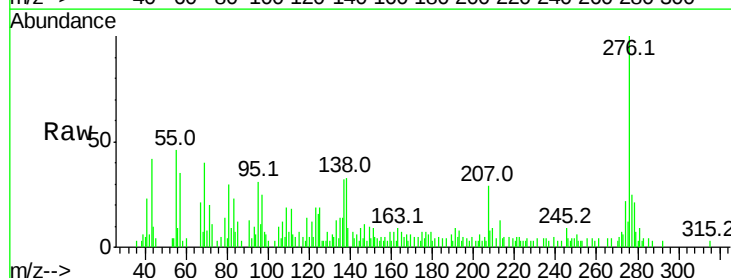
Instrument :
 BNA_F
 ClientSampleId :

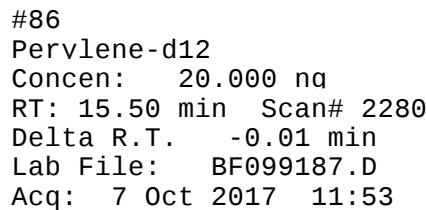
Tot Ion:228 Resp: 40987
 Ion Ratio Lower Upper
 228 100
 226 30.3 25.0 37.6
 229 22.5 16.2 24.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.290 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.02 min
 Lab File: BF099187.D
 Acq: 7 Oct 2017 11:53

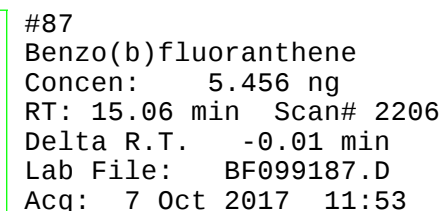
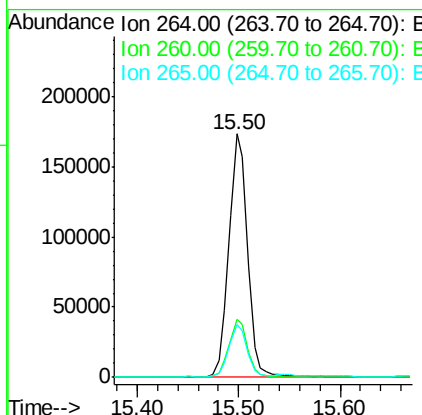
Tgt Ion:276 Resp: 24293
 Ion Ratio Lower Upper
 276 100
 138 26.3 25.0 37.6
 277 30.5 20.1 30.1#



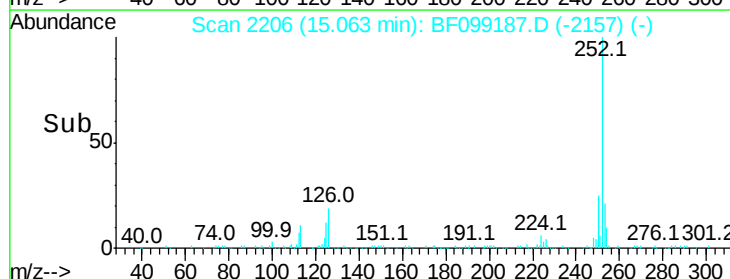
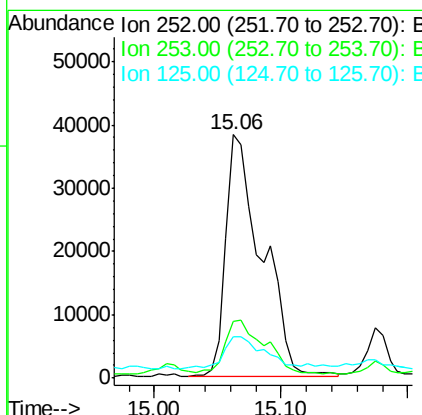


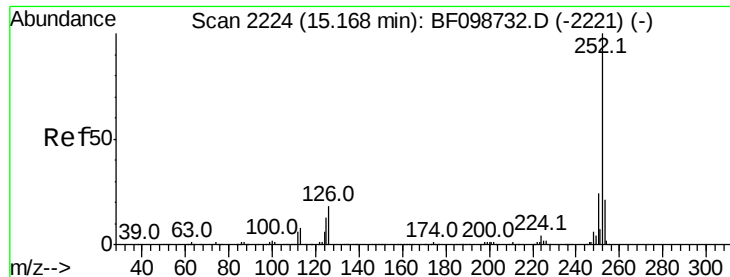
Instrument :
BNA_F
ClientSampleId :

Tot	Ion:264	Resp:	223249
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.7	17.5	26.3



Tgt	Ion:252	Resp:	74890
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	16.9	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 5.524 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.05 min

Lab File: BF099187.D

Acq: 7 Oct 2017 11:53

Instrument :

BNA_F

ClientSampleId :

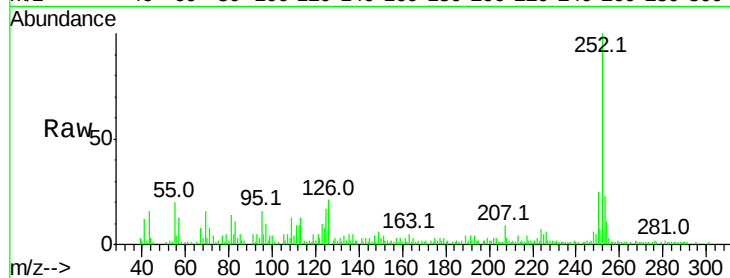
Tot Ion:252 Resp: 74890

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

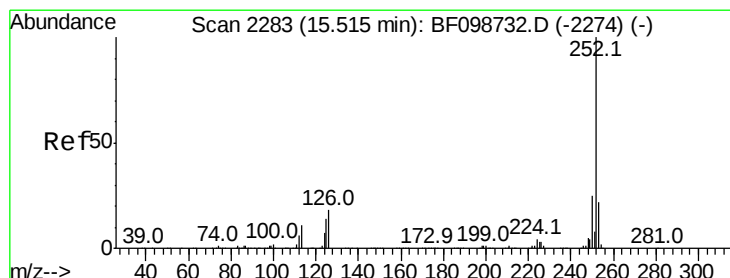
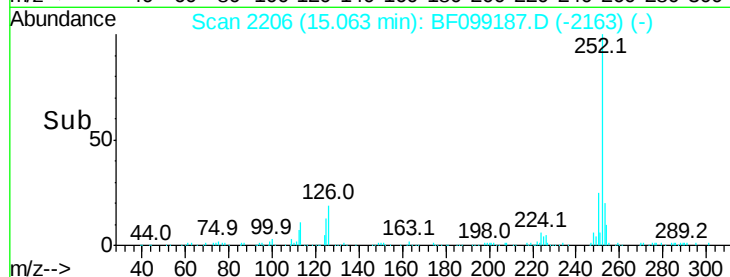
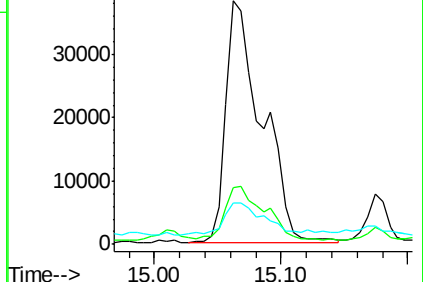
125 16.9 10.2 15.2#



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: 2.782 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF099187.D

Acq: 7 Oct 2017 11:53

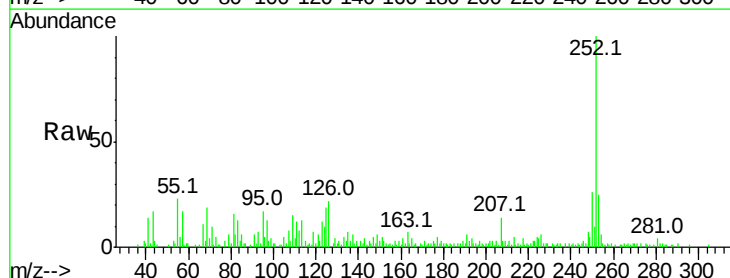
Tgt Ion:252 Resp: 35058

Ion Ratio Lower Upper

252 100

253 25.3 17.1 25.7

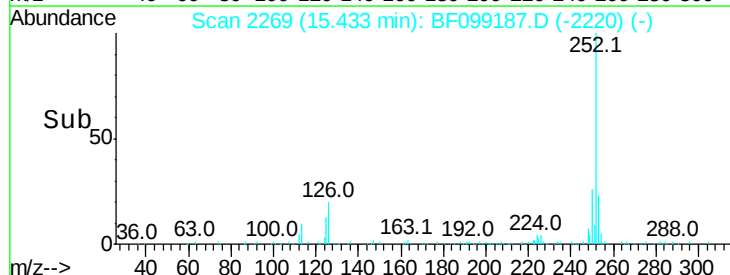
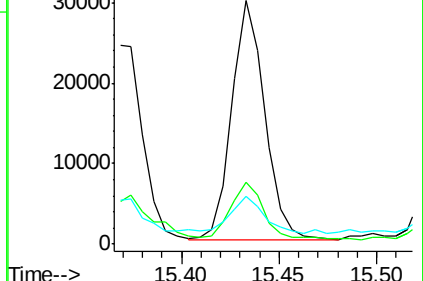
125 19.5 9.8 14.6#

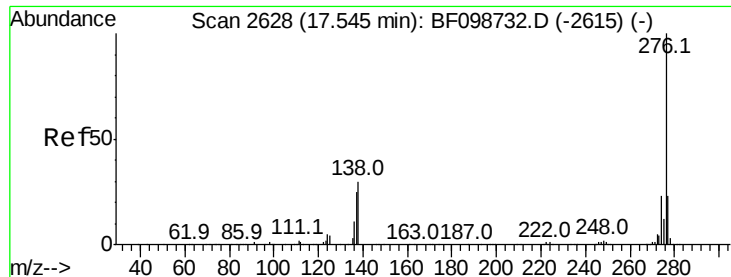


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

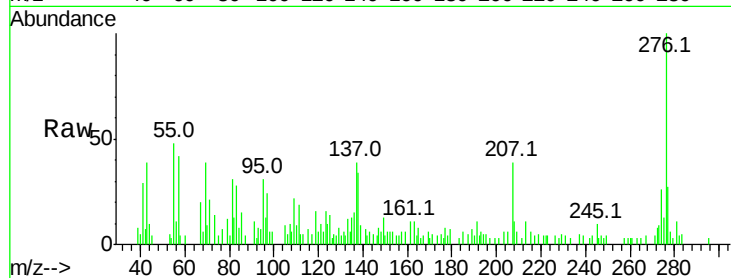




#91
 Benzo(a,h,i)perylene
 Concen: 2.318 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.02 min
 Lab File: BF099187.D
 Acq: 7 Oct 2017 11:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	17.9	26.9
138	33.5	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

