

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082217\
 Data File : BF097987.D
 Acq On : 23 Aug 2017 7:29
 Operator : SJ/JU
 Sample : I4901-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-BE1-3-12-COMP

Quant Time: Aug 23 07:55:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

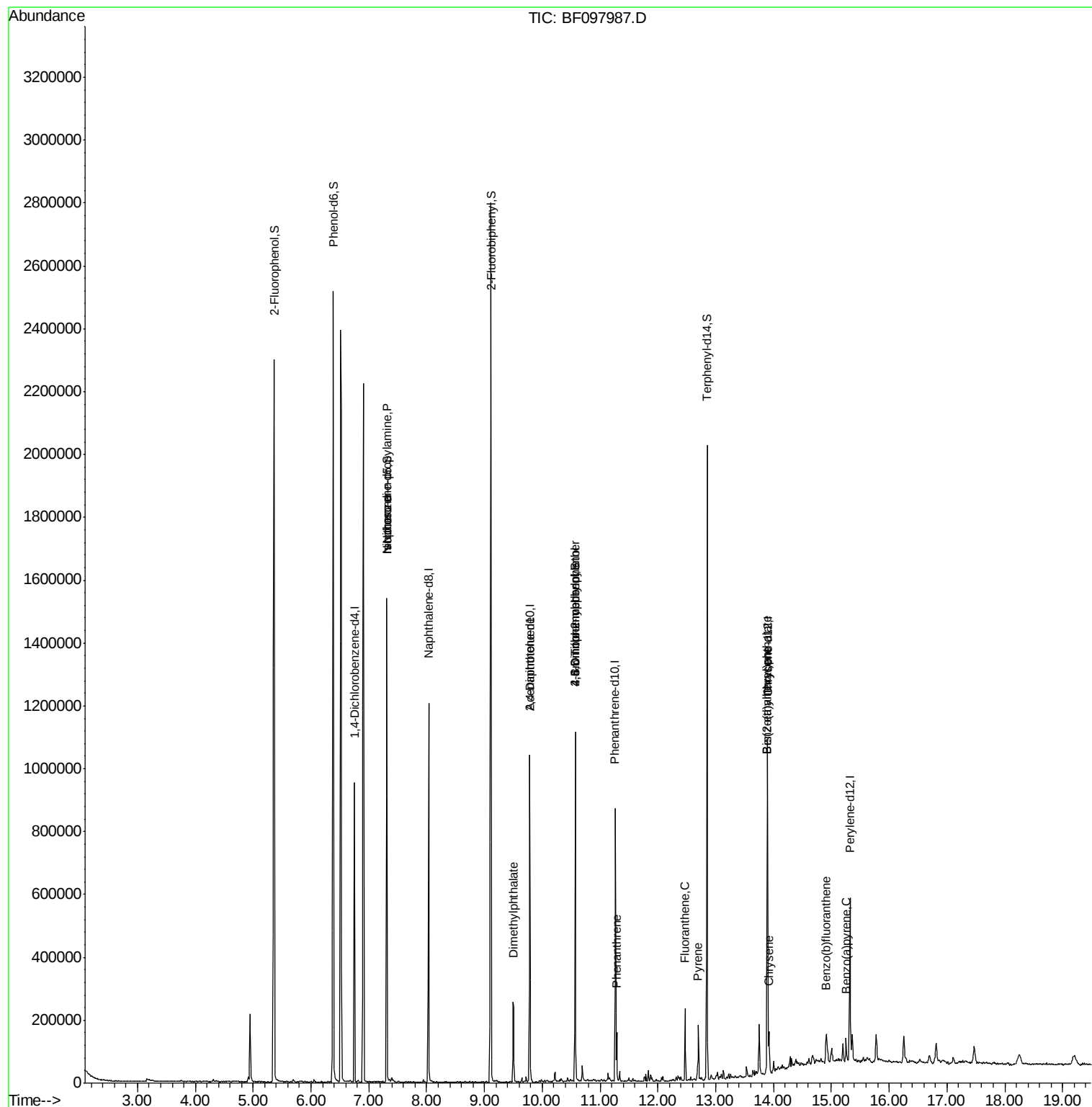
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	133842	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	502368	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	197426	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	318198	20.00	ng	0.00
75) Chrysene-d12	13.90	240	301267	20.00	ng	0.00
86) Perylene-d12	15.32	264	218593	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	708195	80.48	ng	0.01
7) Phenol-d6	6.39	99	918251	76.81	ng	0.00
23) Nitrobenzene-d5	7.31	82	557036	60.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	107113	62.53	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	823415	61.28	ng	0.00
78) Terphenyl-d14	12.85	244	555602	38.46	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	74267	9.07	ng	# 71
25) Isophorone	7.31	82	545985	28.39	ng	# 67
49) Dimethylphthalate	9.50	163	99003	6.86	ng	98
56) 2,4-Dinitrotoluene	9.79	165	25263	6.99	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.57	198	186	8.42	ng	# 23
66) 4-Bromophenyl-phenylether	10.57	248	7361	2.23	ng	# 1
70) Phenanthrene	11.29	178	46965	2.77	ng	98
74) Fluoranthene	12.47	202	82634	4.67	ng	99
77) Pyrene	12.70	202	72565	2.94	ng	96
80) Benzo(a)anthracene	13.89	228	44594	2.47	ng	97
82) Chrysene	13.92	228	44149	2.46	ng	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	67890	6.49	ng	98
87) Benzo(b)fluoranthene	14.92	252	60878	4.42	ng	98
89) Benzo(a)pyrene	15.26	252	29516	2.42	ng	96

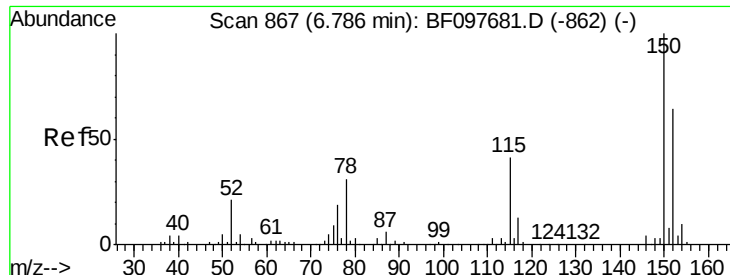
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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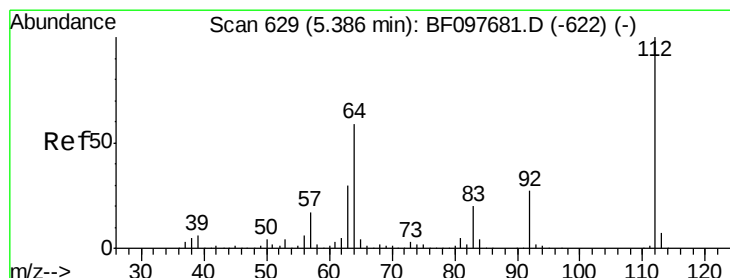
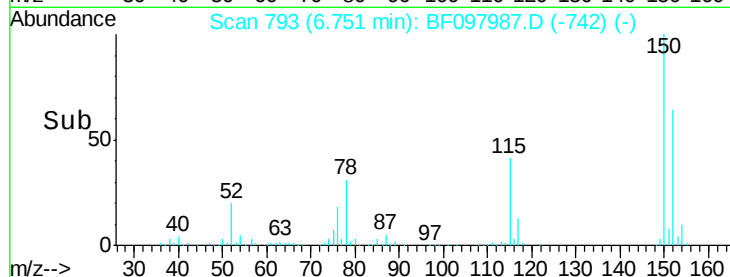
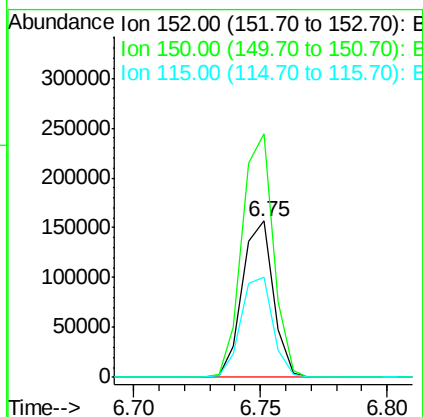
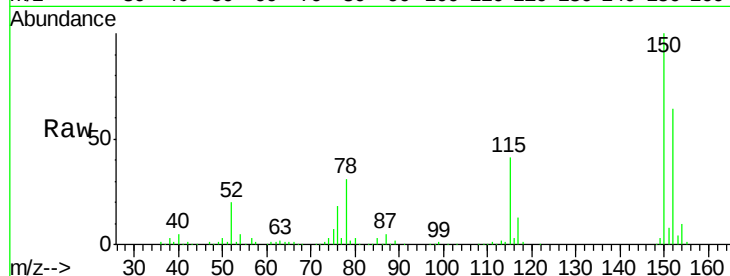


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: BF097987.D
 Acq: 23 Aug 2017 7:29

Instrument :
 BNA_F
 ClientSampleId :
 TEC-BE1-3-12-COMP

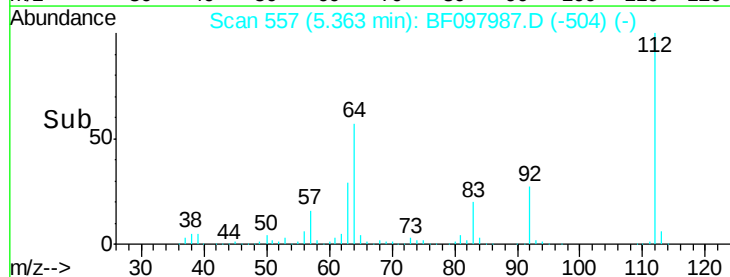
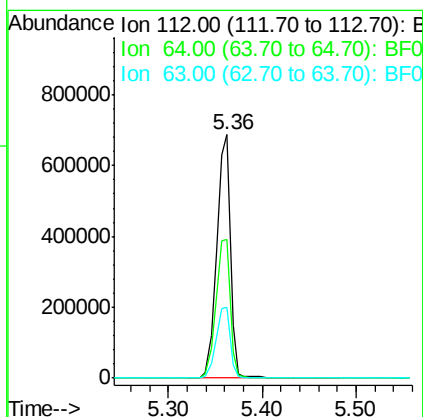
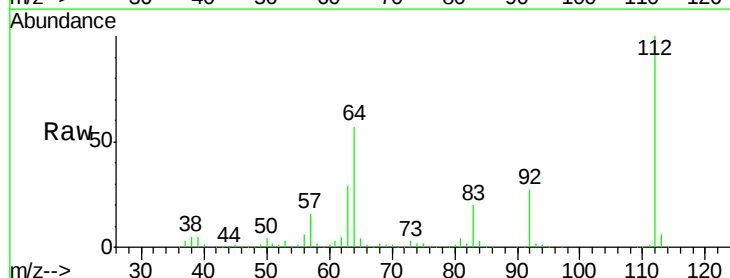
Tot Ion:152 Resp: 133842
 Ion Ratio Lower Upper
 152 100
 150 155.8 126.2 189.2
 115 64.3 52.2 78.2

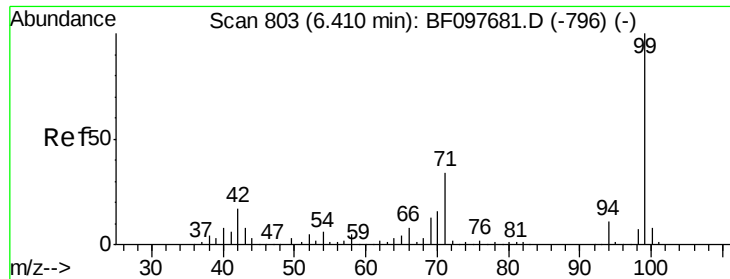


#5

2-Fluorophenol
 Concen: 80.48 ng
 RT: 5.36 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: BF097987.D
 Acq: 23 Aug 2017 7:29

Tgt Ion:112 Resp: 708195
 Ion Ratio Lower Upper
 112 100
 64 57.0 46.0 69.0
 63 29.1 23.4 35.0





#7

Phenol-d6

Concen: 76.81 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097987.D

Acq: 23 Aug 2017 7:29

Instrument :

BNA_F

ClientSampleId :

TEC-BE1-3-12-COMP

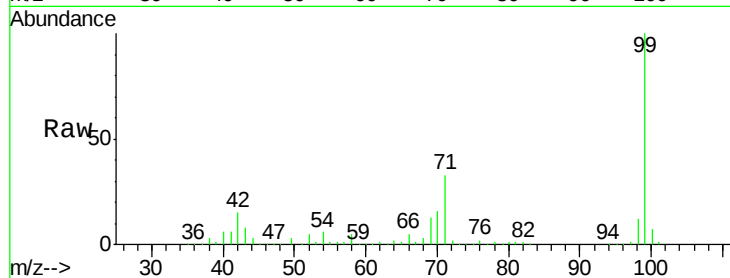
Tot Ion: 99 Resp: 918251

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

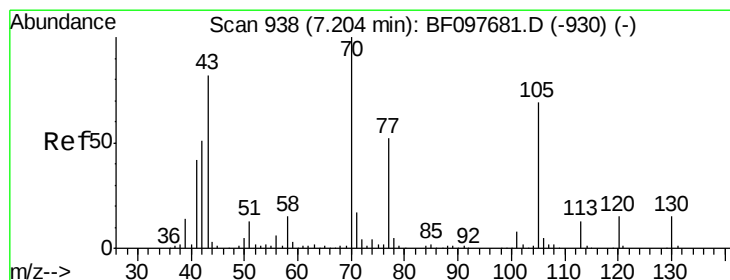
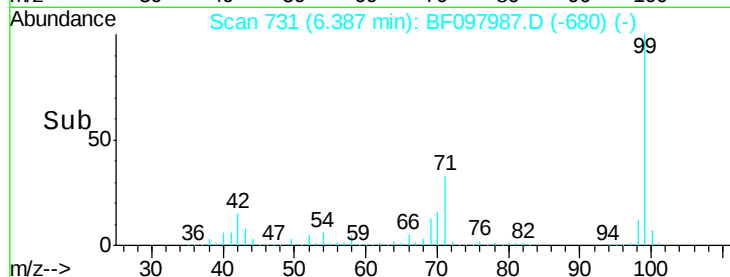
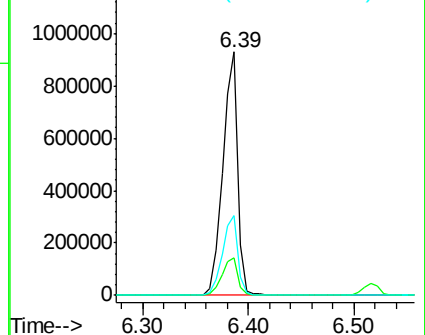
71 32.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 9.07 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF097987.D

Acq: 23 Aug 2017 7:29

Tgt Ion: 70 Resp: 74267

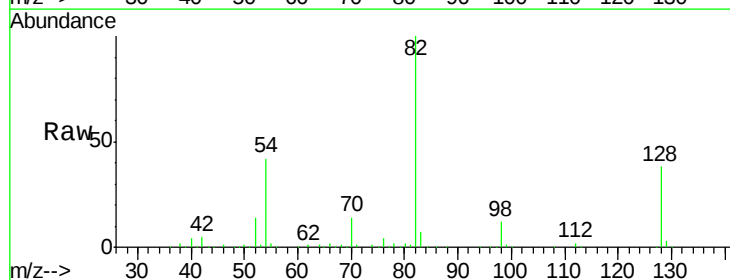
Ion Ratio Lower Upper

70 100

42 39.6 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

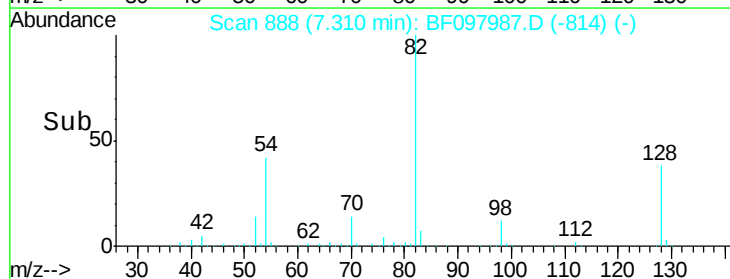
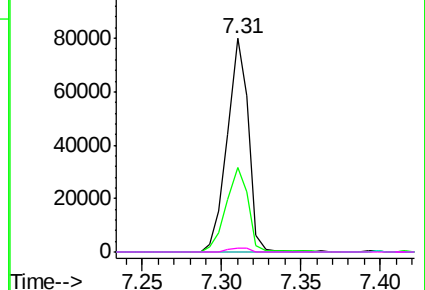


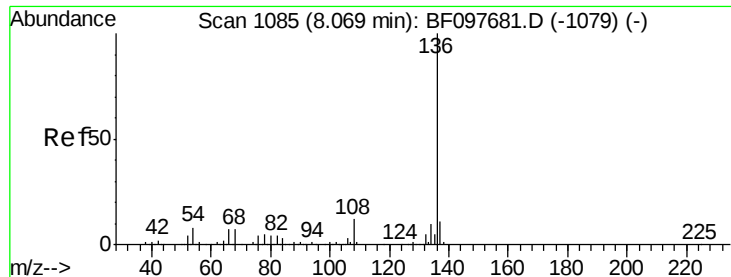
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF097987.D

Acq: 23 Aug 2017 7:29

Instrument :

BNA_F

ClientSampleId :

TEC-BE1-3-12-COMP

Tot Ion:136 Resp: 502368

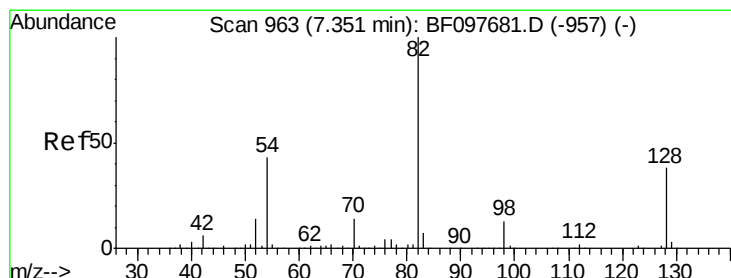
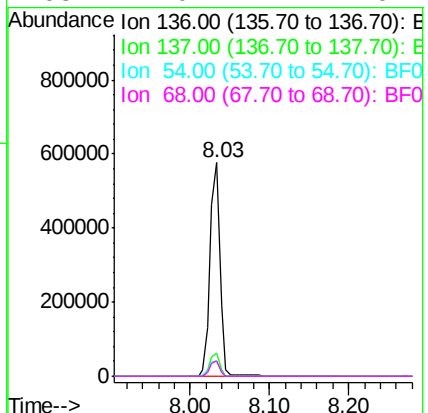
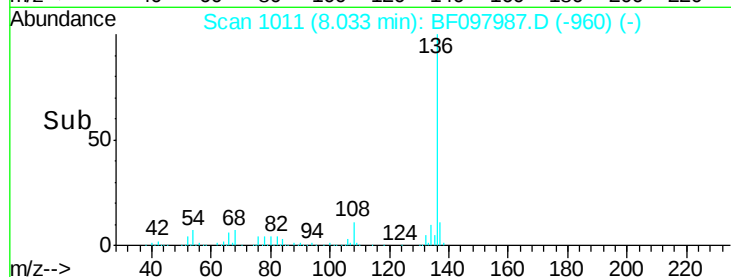
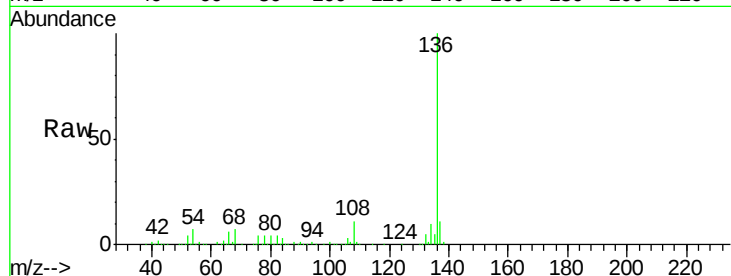
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.4 4.9 7.3#

68 7.0 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 60.24 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF097987.D

Acq: 23 Aug 2017 7:29

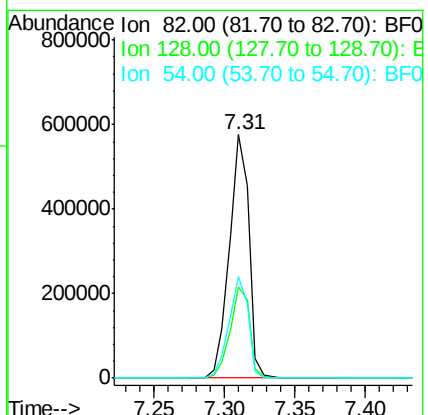
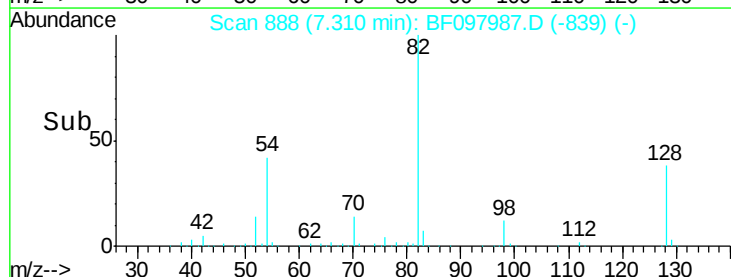
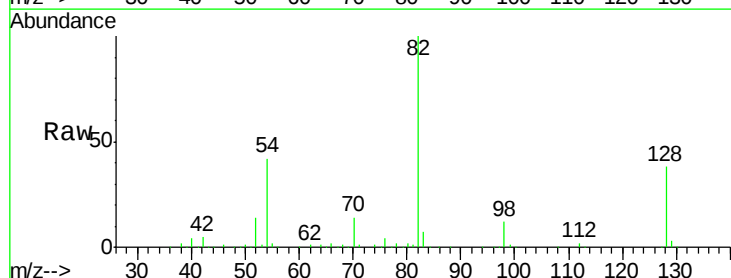
Tgt Ion: 82 Resp: 557036

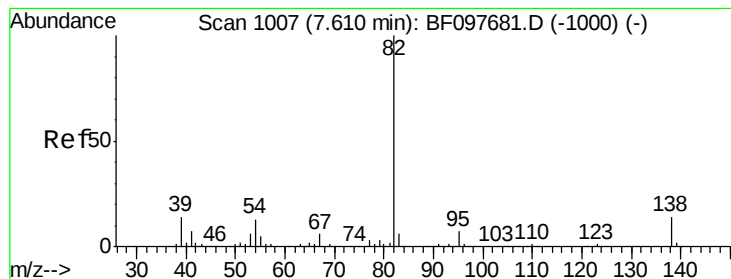
Ion Ratio Lower Upper

82 100

128 37.6 34.0 51.0

54 41.5 42.2 63.2#





#25

Isophorone

Concen: 28.39 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF097987.D

Acq: 23 Aug 2017 7:29

Instrument :

BNA_F

ClientSampleId :

TEC-BE1-3-12-COMP

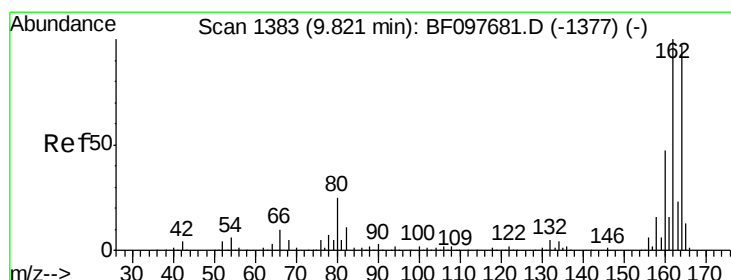
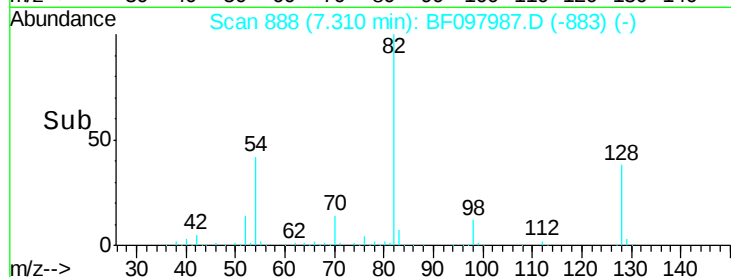
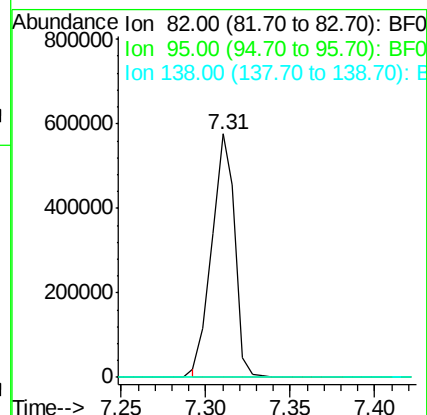
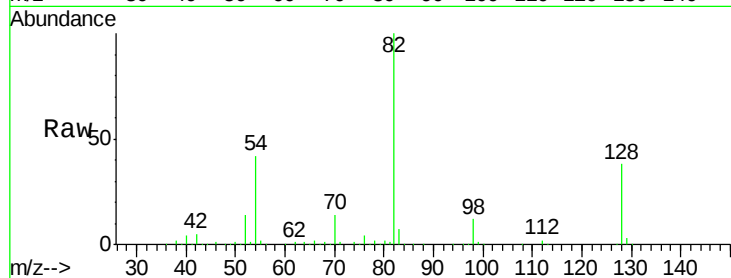
Tot Ion: 82 Resp: 545985

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF097987.D

Acq: 23 Aug 2017 7:29

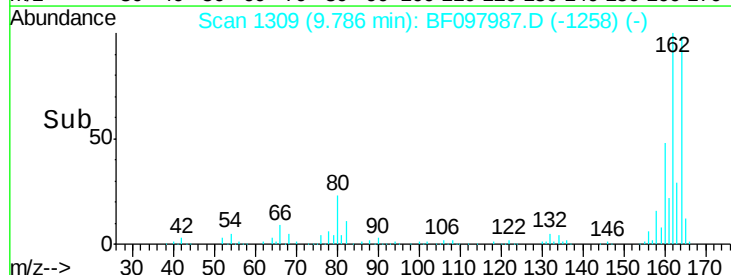
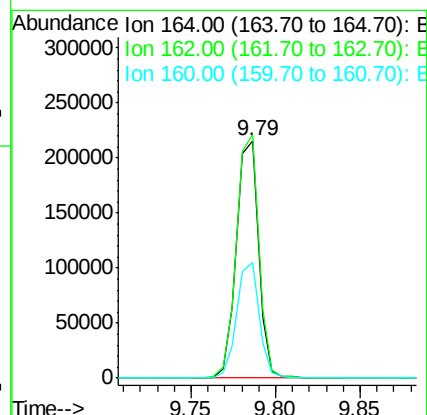
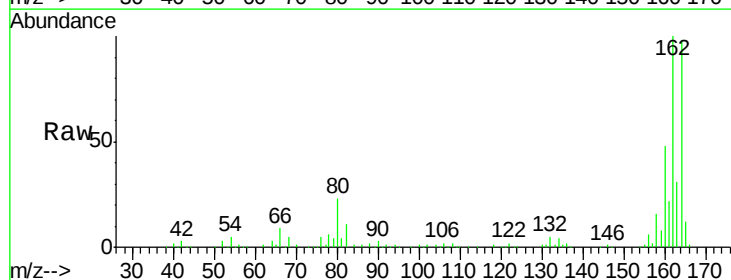
Tgt Ion: 164 Resp: 197426

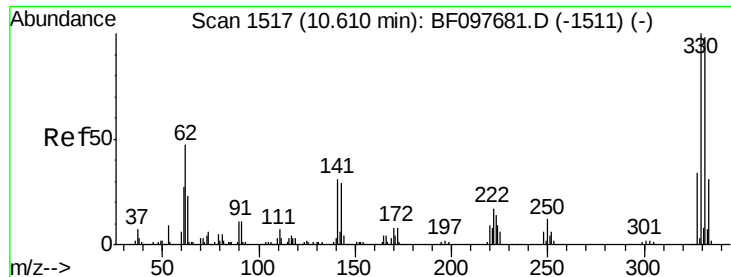
Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

160 48.8 36.2 54.2

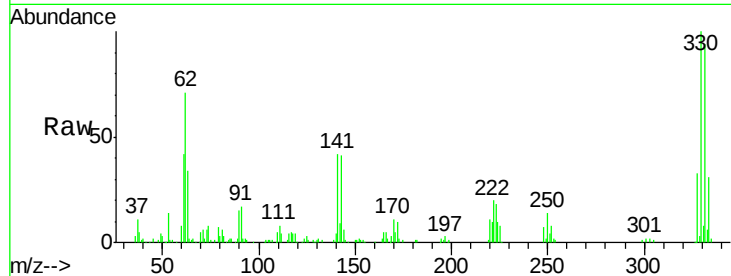




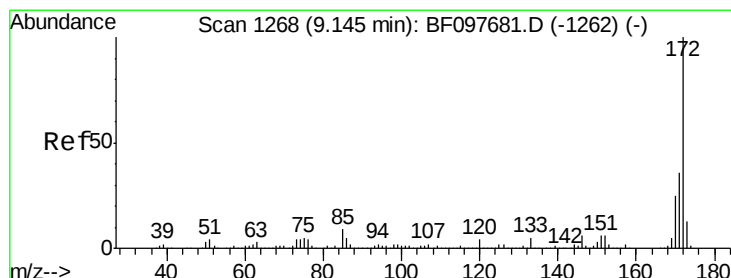
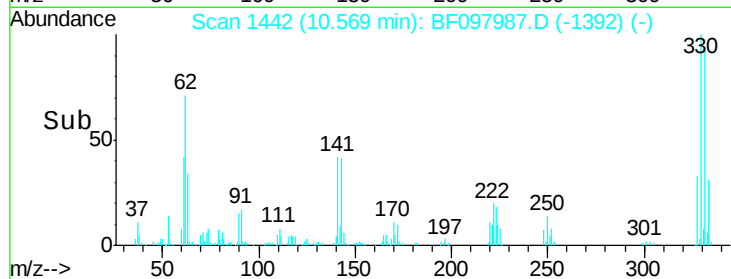
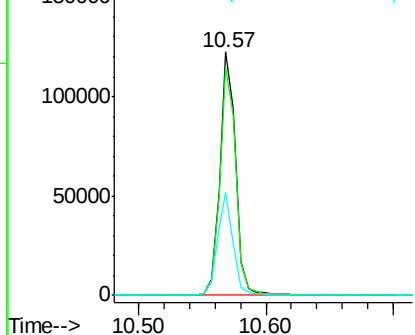
#41
 2,4,6-Tribromophenol
 Concen: 62.53 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097987.D
 Acq: 23 Aug 2017 7:29

Instrument :
 BNA_F
 ClientSampleId :
 TEC-BE1-3-12-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	115.0
141	41.7	31.4	47.2

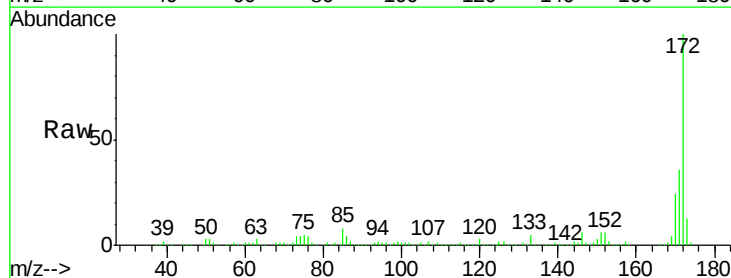


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

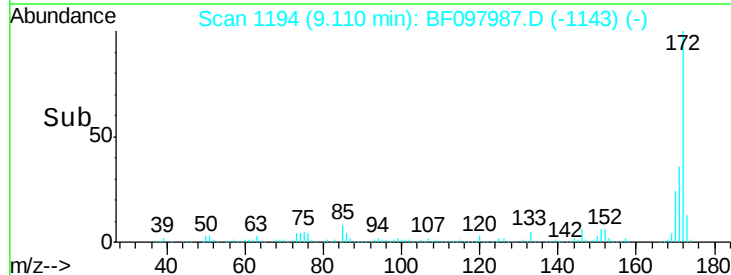
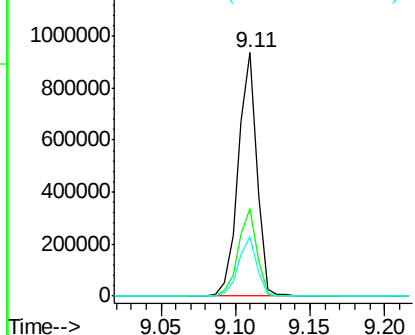


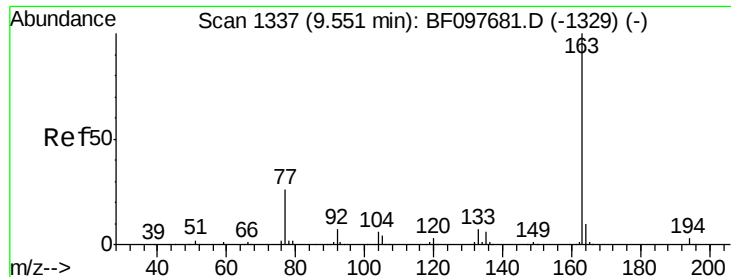
#44
 2-Fluorobiphenyl
 Concen: 61.28 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF097987.D
 Acq: 23 Aug 2017 7:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.1	19.8	29.8



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

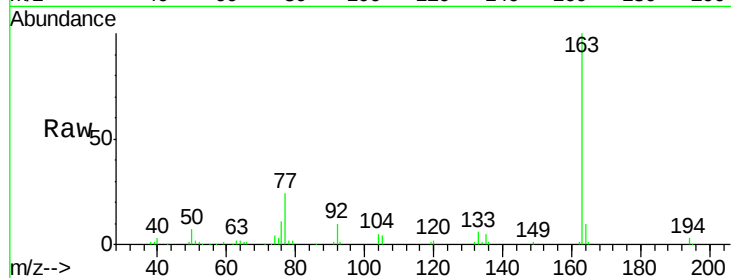




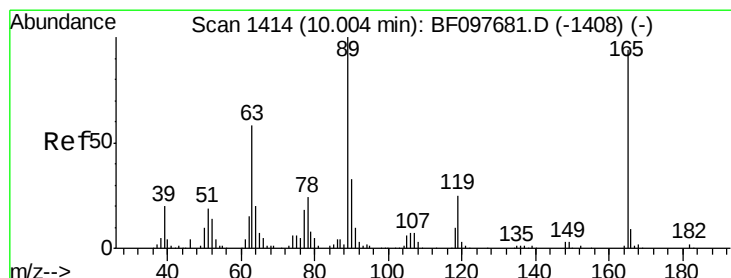
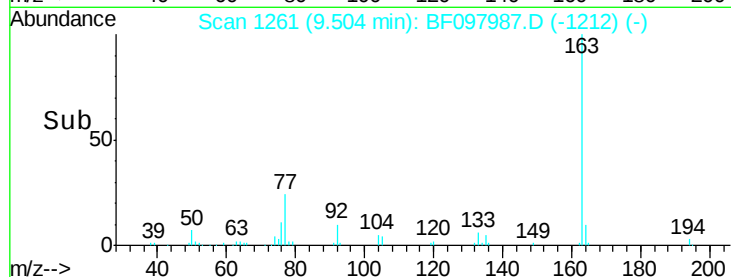
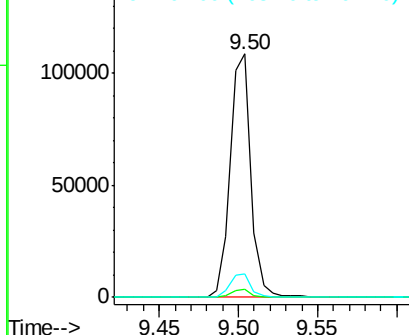
#49
Dimethylphthalate
Concen: 6.86 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097987.D
Acq: 23 Aug 2017 7:29

Instrument :
BNA_F
ClientSampleId :
TEC-BE1-3-12-COMP

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.7	8.4	12.6



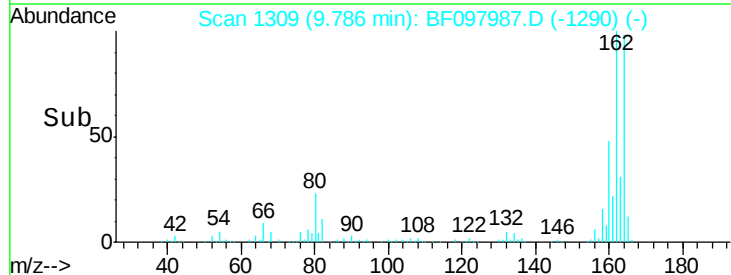
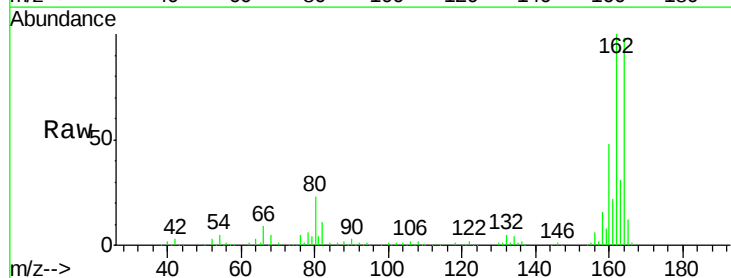
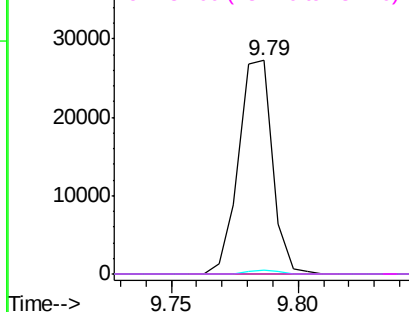
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

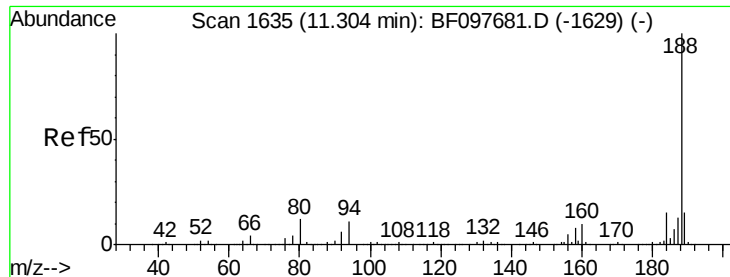


#56
2,4-Dinitrotoluene
Concen: 6.99 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.19 min
Lab File: BF097987.D
Acq: 23 Aug 2017 7:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#

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

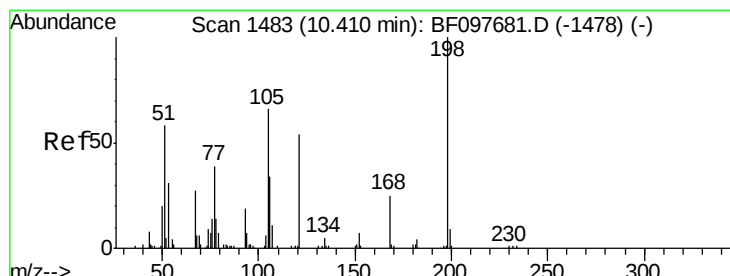
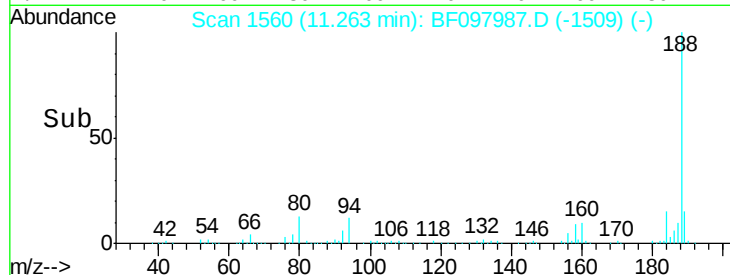
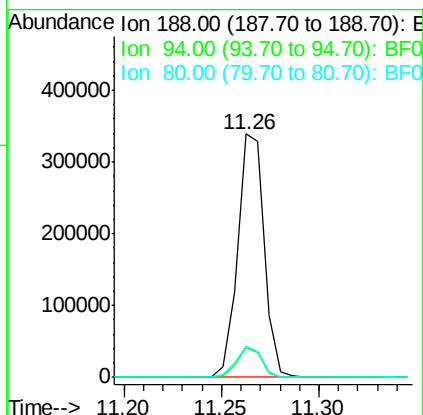
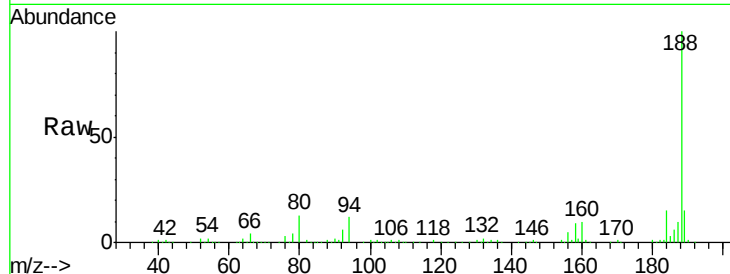




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF097987.D
Acq: 23 Aug 2017 7:29

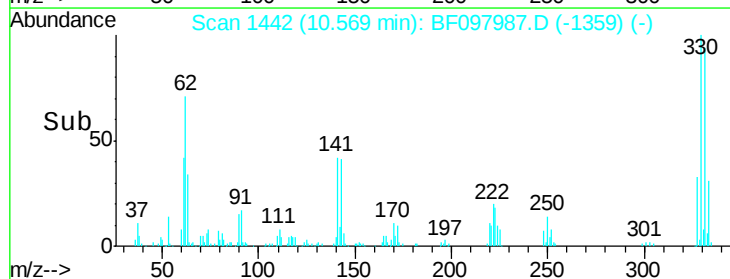
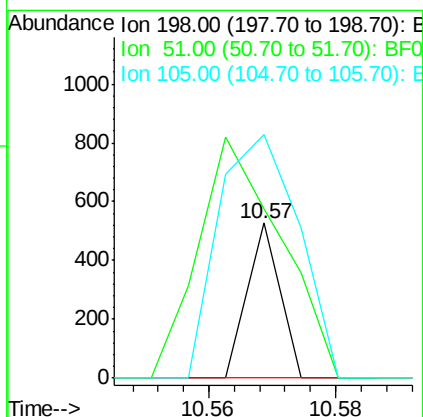
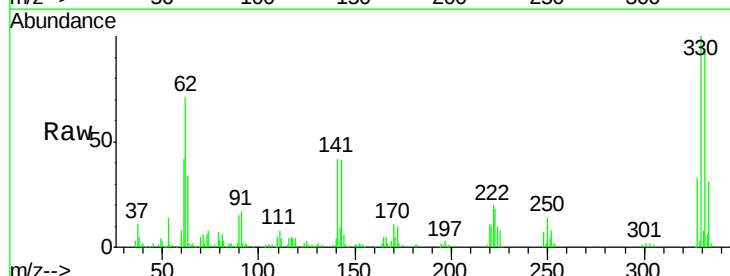
Instrument :
BNA_F
ClientSampleId :
TEC-BE1-3-12-COMP

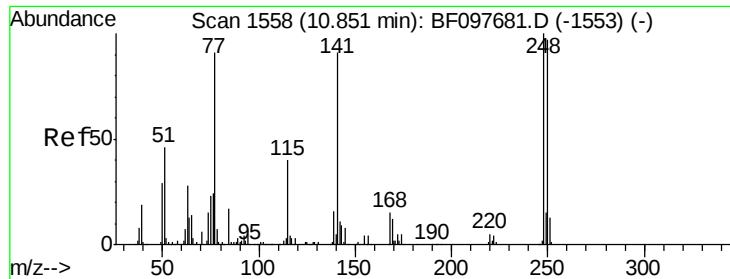
Tot Ion:188 Resp: 318198
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.2
80 12.8 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 8.42 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.19 min
Lab File: BF097987.D
Acq: 23 Aug 2017 7:29

Tgt Ion:198 Resp: 186
Ion Ratio Lower Upper
198 100
51 109.1 53.2 93.2#
105 157.1 45.8 85.8#

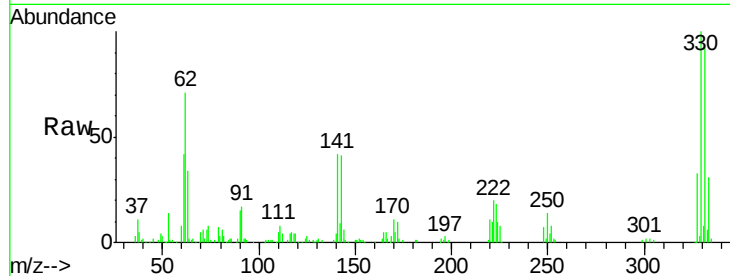




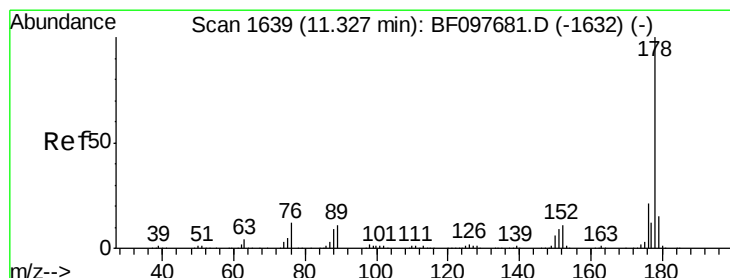
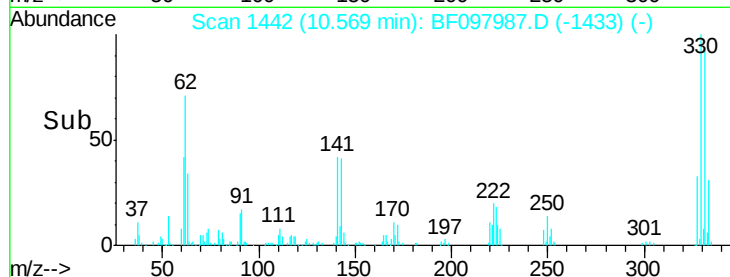
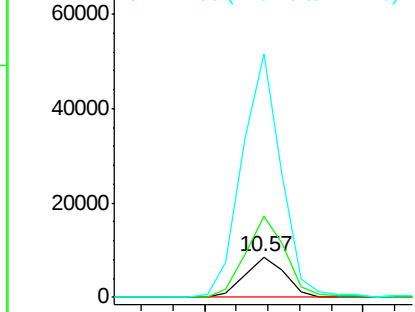
#66
 4-Bromophenyl-phenylether
 Concen: 2.23 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.25 min
 Lab File: BF097987.D
 Acq: 23 Aug 2017 7:29

Instrument :
 BNA_F
 ClientSampleId :
 TEC-BE1-3-12-COMP

Tot Ion:248 Resp: 7361
 Ion Ratio Lower Upper
 248 100
 250 199.5 76.8 115.2#
 141 603.4 68.6 103.0#

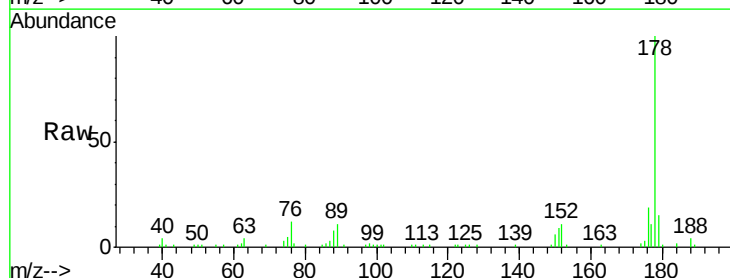


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

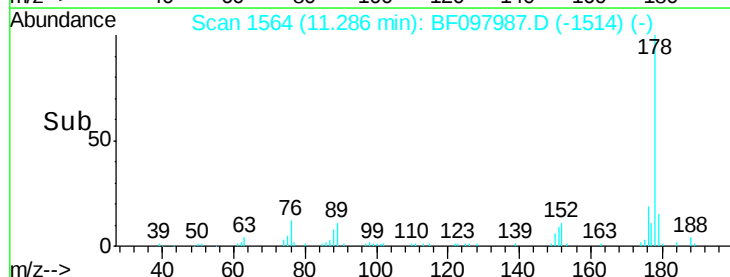
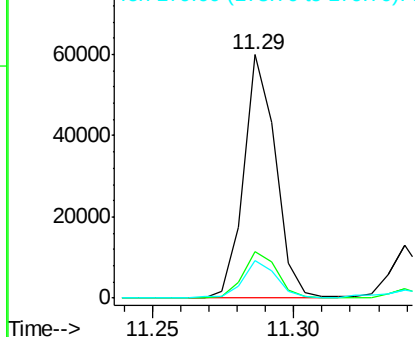


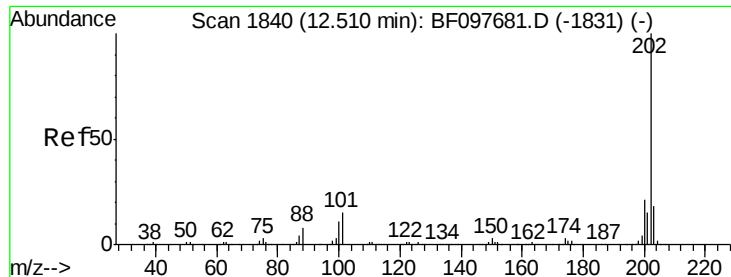
#70
 Phenanthrene
 Concen: 2.77 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF097987.D
 Acq: 23 Aug 2017 7:29

Tgt Ion:178 Resp: 46965
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 15.2 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.67 ng

RT: 12.47 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BF097987.D

Acq: 23 Aug 2017 7:29

Instrument :

BNA_F

ClientSampleId :

TEC-BE1-3-12-COMP

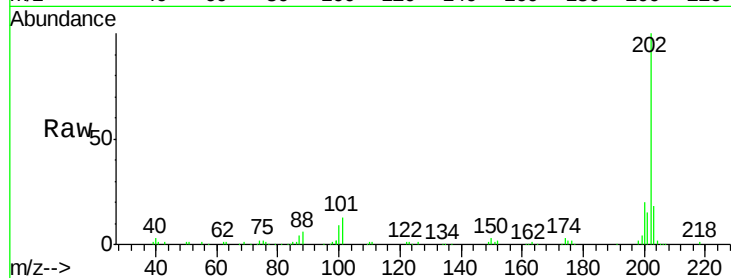
Tot Ion:202 Resp: 82634

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.2

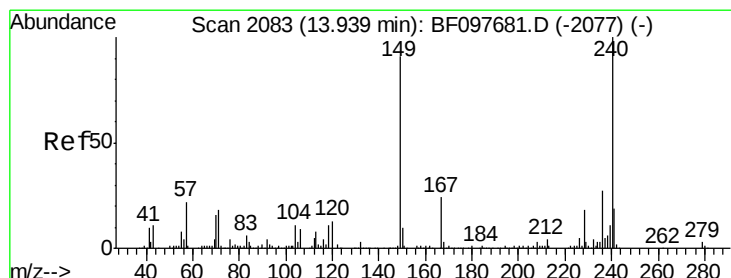
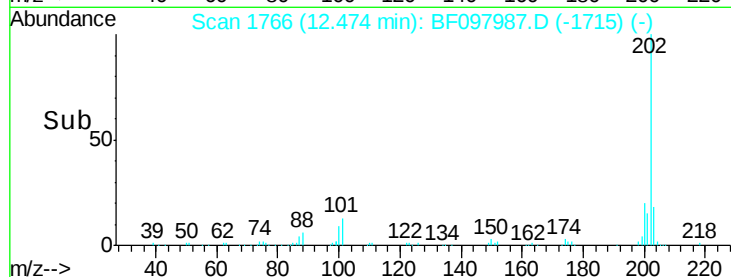
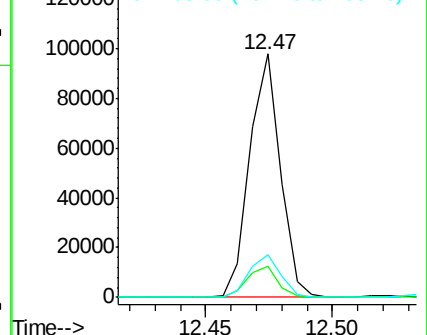
203 17.6 0.0 38.1



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: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF097987.D

Acq: 23 Aug 2017 7:29

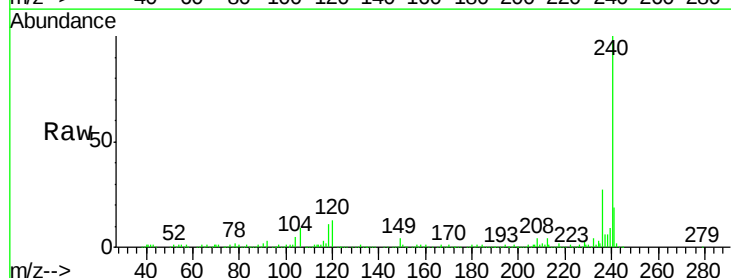
Tgt Ion:240 Resp: 301267

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

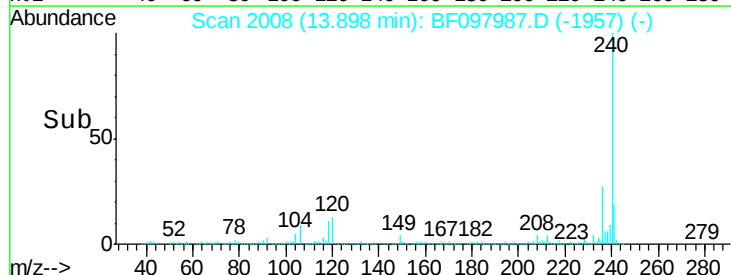
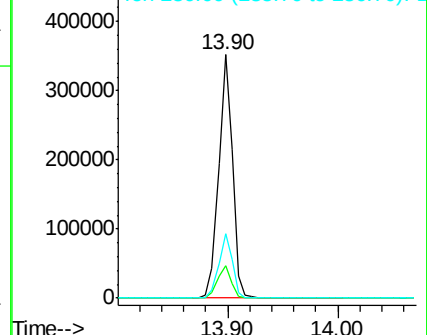
236 26.7 20.5 30.7

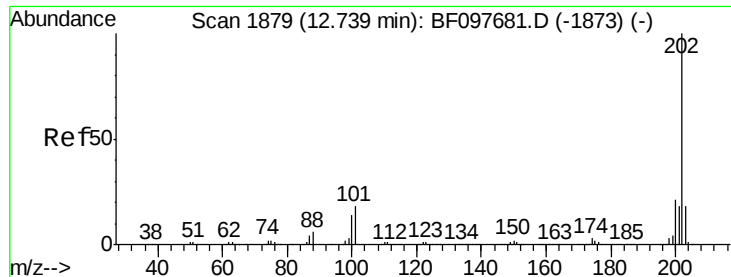


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

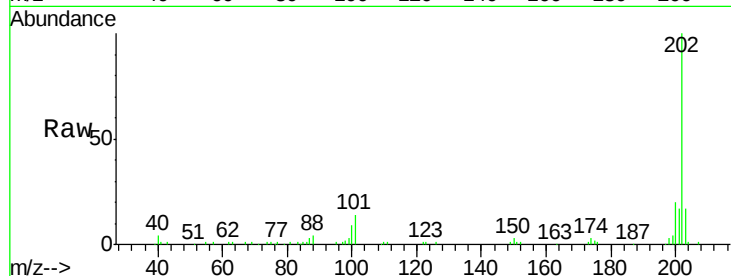




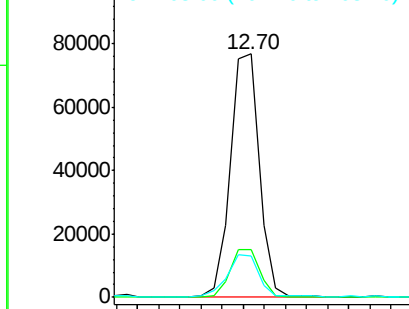
#77
Pvrene
Concen: 2.94 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF097987.D
Acq: 23 Aug 2017 7:29

Instrument :
BNA_F
ClientSampleId :
TEC-BE1-3-12-COMP

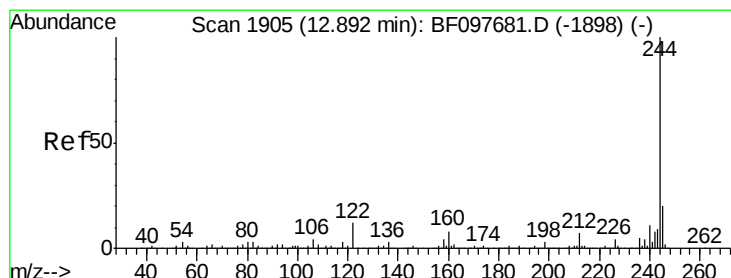
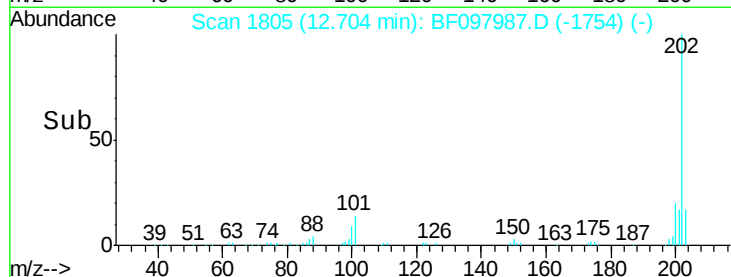
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.6	26.4
203	17.0	14.4	21.6



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

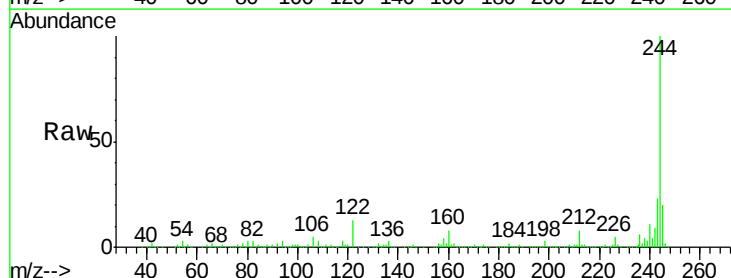


Time-->

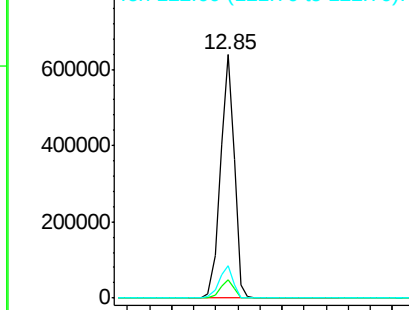


#78
Terphenyl-d14
Concen: 38.46 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.00 min
Lab File: BF097987.D
Acq: 23 Aug 2017 7:29

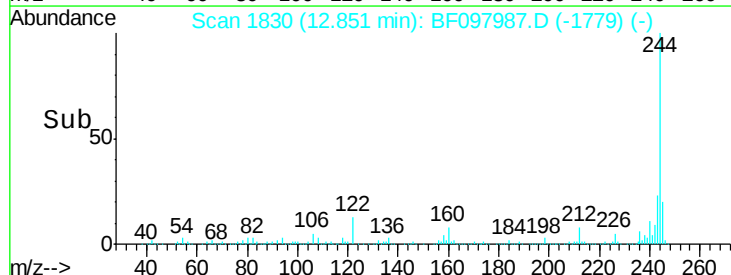
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	13.2	10.3	15.5

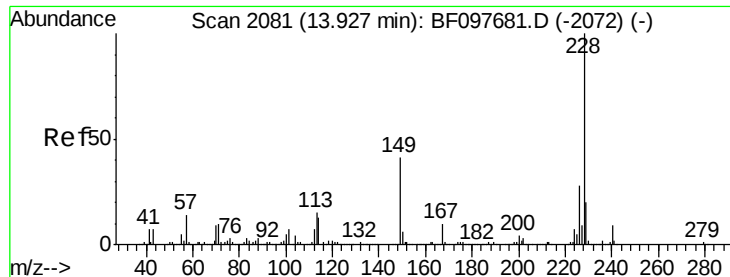


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->

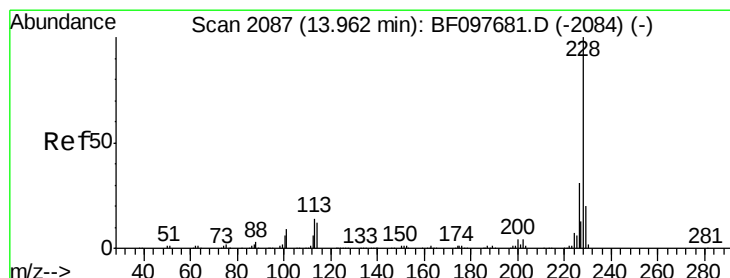
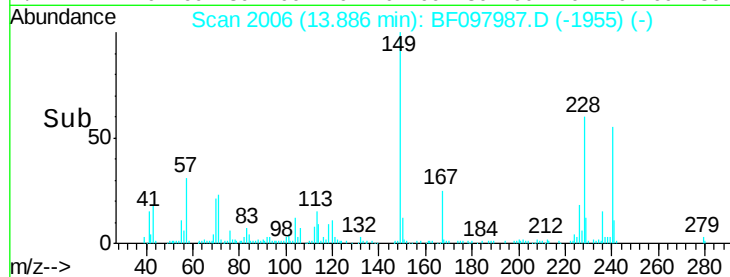
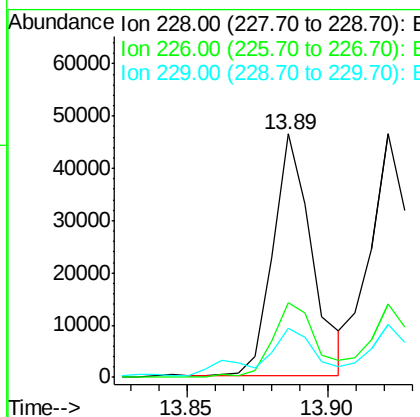
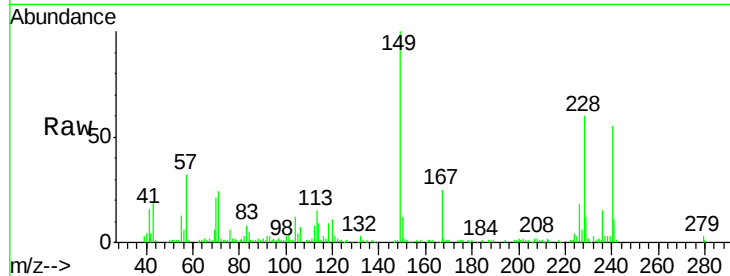




#80
Benzo(a)anthracene
Concen: 2.47 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF097987.D
Acq: 23 Aug 2017 7:29

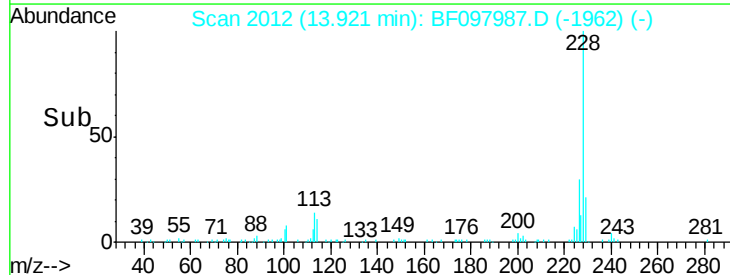
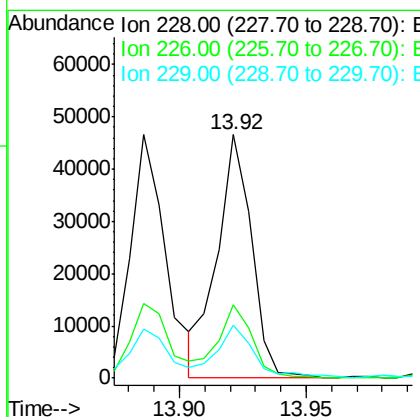
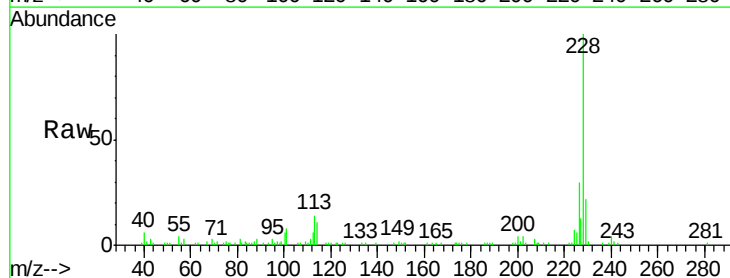
Instrument :
BNA_F
ClientSampleId :
TEC-BE1-3-12-COMP

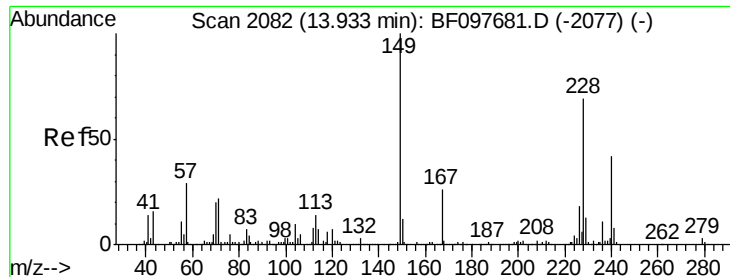
Tot Ion:228 Resp: 44594
Ion Ratio Lower Upper
228 100
226 30.9 22.6 33.8
229 19.9 16.3 24.5



#82
Chrysene
Concen: 2.46 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097987.D
Acq: 23 Aug 2017 7:29

Tgt Ion:228 Resp: 44149
Ion Ratio Lower Upper
228 100
226 30.3 24.9 37.3
229 21.6 15.8 23.6

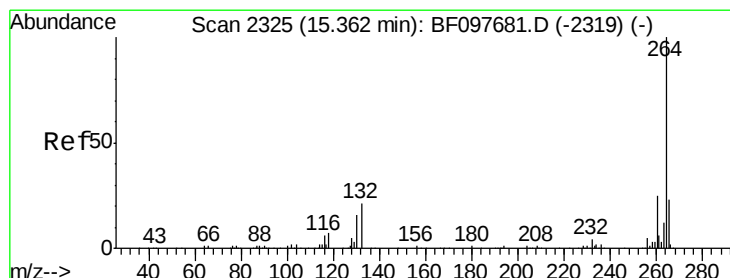
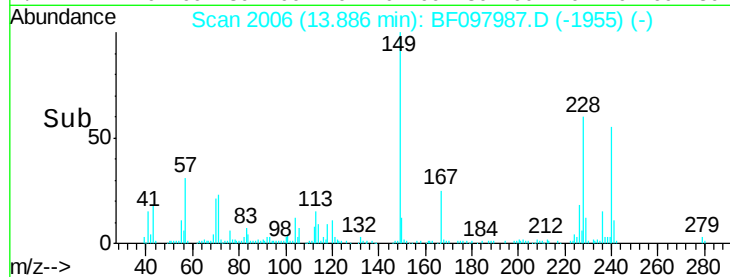
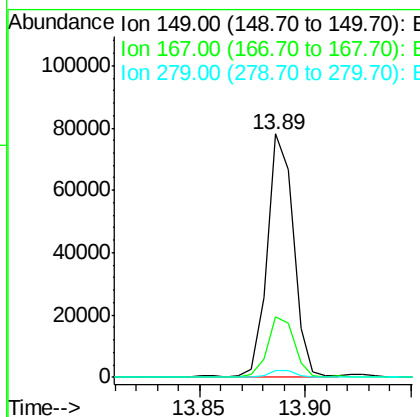
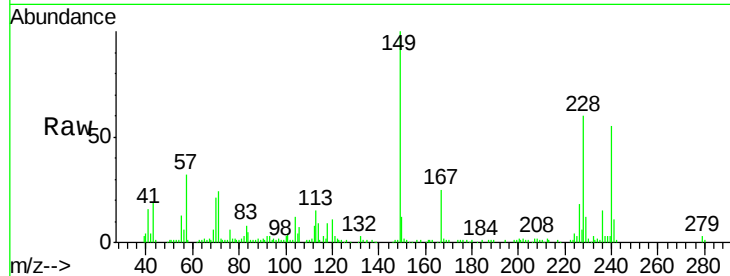




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.49 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF097987.D
 Acq: 23 Aug 2017 7:29

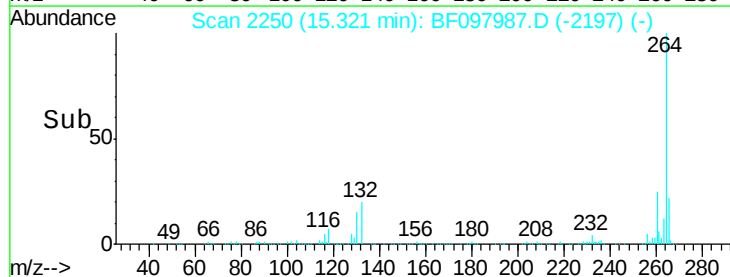
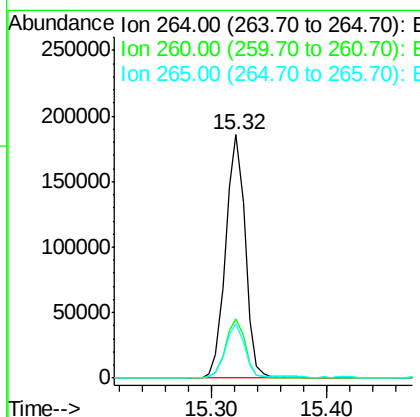
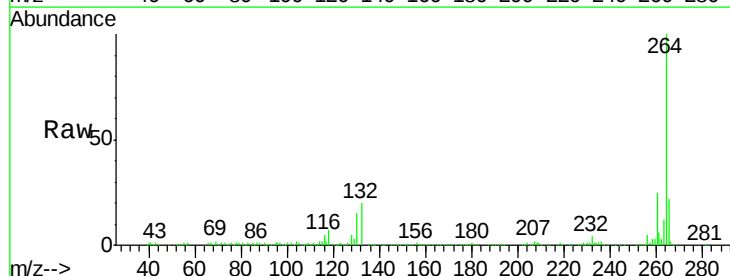
Instrument :
 BNA_F
 ClientSampleId :
 TEC-BE1-3-12-COMP

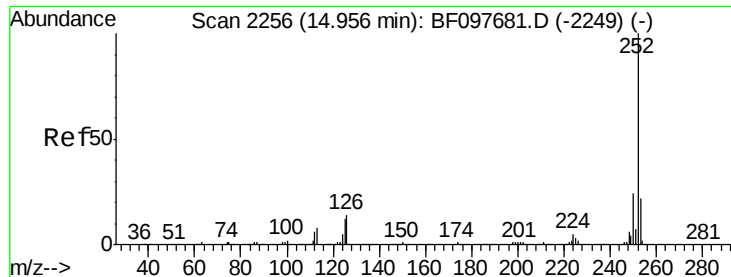
Tot Ion	Ratio	Lower	Upper
149	100		
167	25.1	21.0	31.4
279	2.6	1.9	2.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.01 min
 Lab File: BF097987.D
 Acq: 23 Aug 2017 7:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 4.42 ng

RT: 14.92 min Scan# 2181

Delta R.T. 0.01 min

Lab File: BF097987.D

Acq: 23 Aug 2017 7:29

Instrument :

BNA_F

ClientSampleId :

TEC-BE1-3-12-COMP

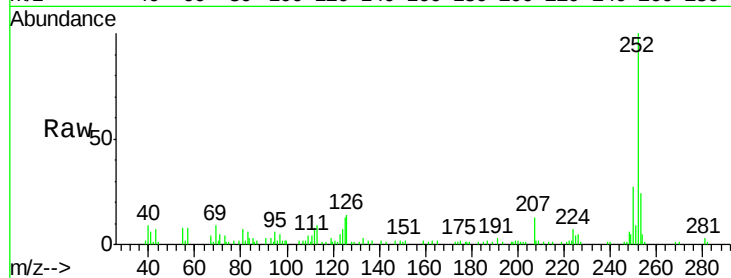
Tot Ion:252 Resp: 60878

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

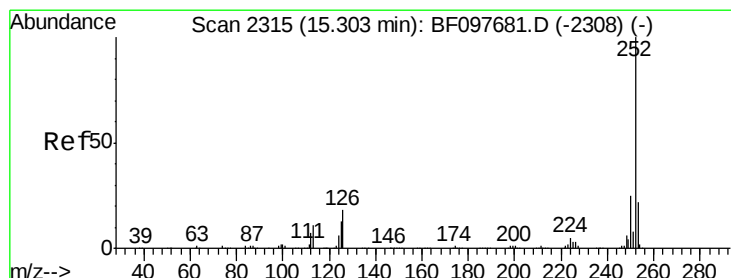
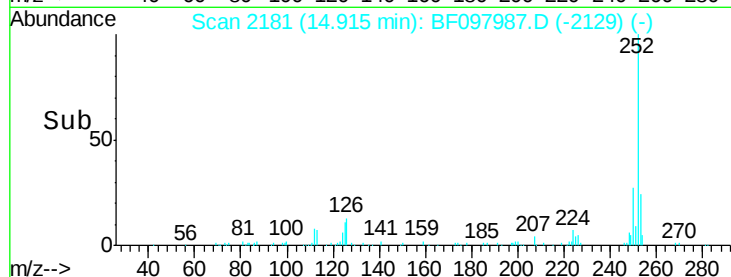
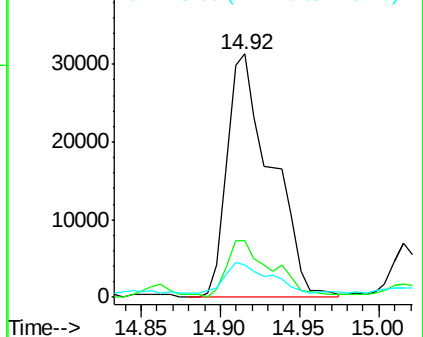
125 13.1 9.8 14.8



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: 2.42 ng

RT: 15.26 min Scan# 2239

Delta R.T. -0.00 min

Lab File: BF097987.D

Acq: 23 Aug 2017 7:29

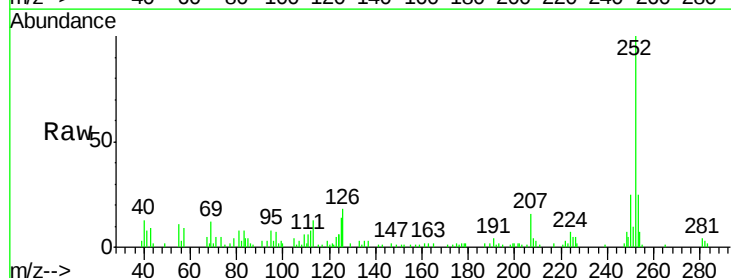
Tgt Ion:252 Resp: 29516

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 14.4 11.0 16.4



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

