

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097434.D
 Acq On : 7 Aug 2017 17:34
 Operator : SJ/JU
 Sample : I4642-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-080417

Quant Time: Aug 08 04:47:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

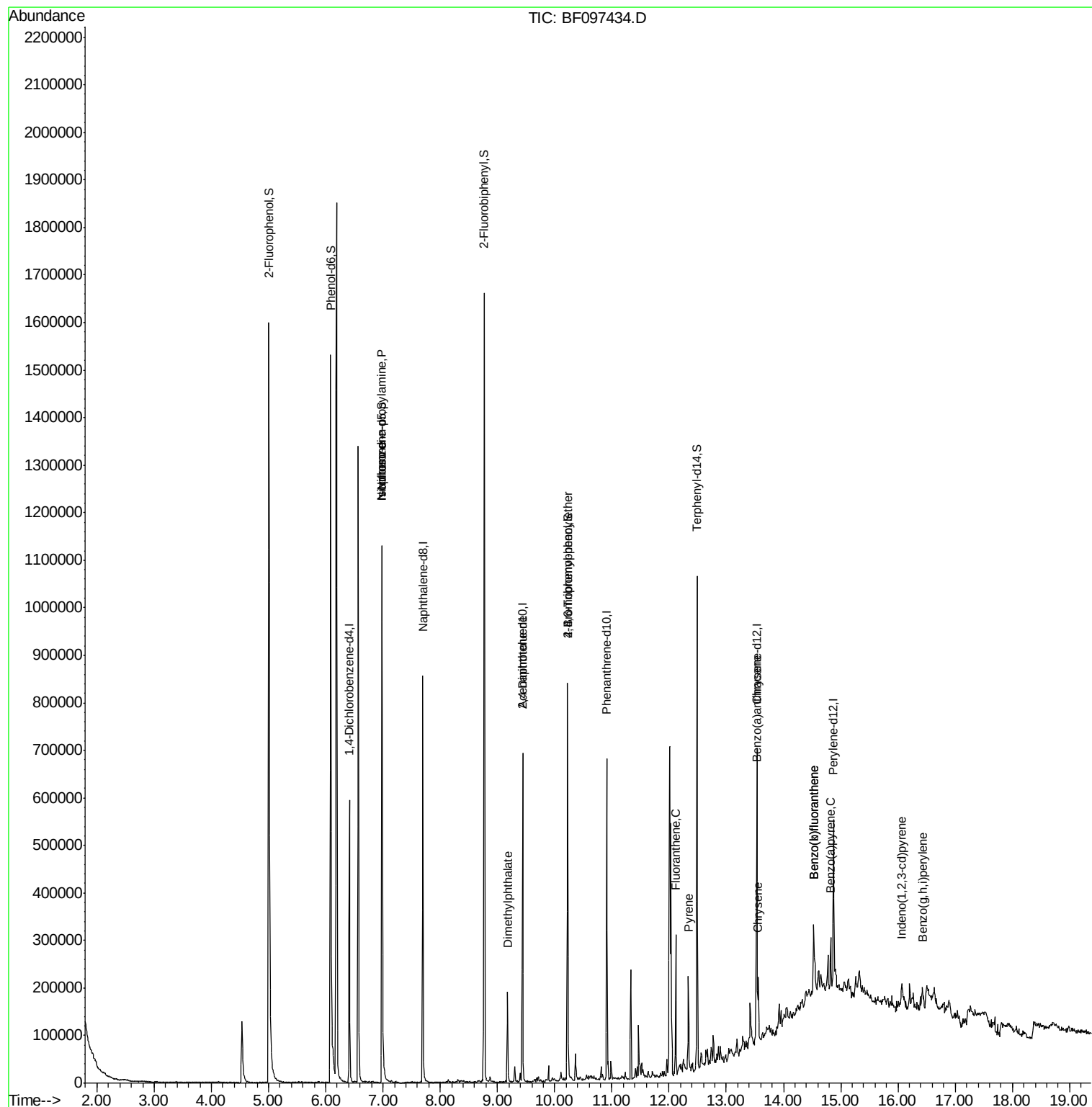
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.41	152	88142	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	369843	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	146960	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	225042	20.00	ng	0.00
75) Chrysene-d12	13.53	240	177530	20.00	ng	0.00
86) Perylene-d12	14.87	264	136843	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	550886	94.22	ng	0.00
7) Phenol-d6	6.09	99	619067	92.74	ng	0.00
23) Nitrobenzene-d5	6.98	82	369445	58.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.23	330	96210	82.86	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	555934	64.20	ng	0.00
78) Terphenyl-d14	12.49	244	311990	35.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.98	70	48838	11.12	ng	# 89
25) Isophorone	6.98	82	369442	29.92	ng	# 67
49) Dimethylphthalate	9.17	163	69636	6.24	ng	99
56) 2,4-Dinitrotoluene	9.43	165	18320	6.73	ng	# 32
66) 4-Bromophenyl-phenylether	10.22	248	5888	2.62	ng	# 1
74) Fluoranthene	12.12	202	71061	6.02	ng	98
77) Pyrene	12.34	202	73063	5.03	ng	98
80) Benzo(a)anthracene	13.52	228	59602	5.19	ng	98
82) Chrysene	13.56	228	51957	4.63	ng	98
85) Indeno(1,2,3-cd)pyrene	16.07	276	20655	2.15	ng	99
87) Benzo(b)fluoranthene	14.53	252	85686	10.42	ng	# 95
88) Benzo(k)fluoranthene	14.53	252	85686	10.93	ng	99
89) Benzo(a)pyrene	14.82	252	45048	5.98	ng	# 96
91) Benzo(a,h,i)perylene	16.42	276	24359	3.76	ng	95

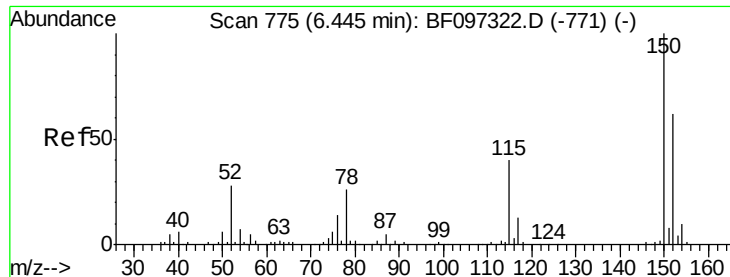
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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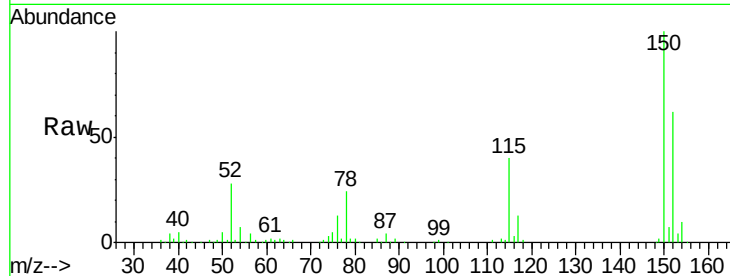


#1

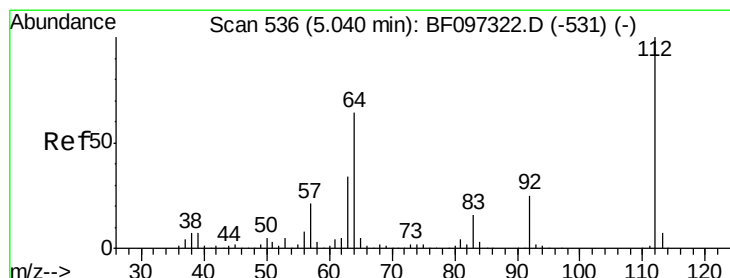
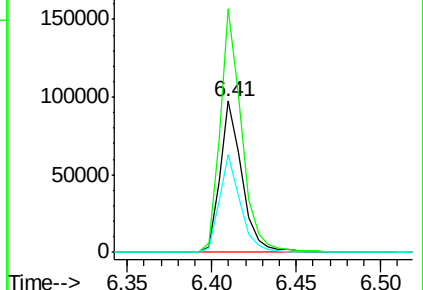
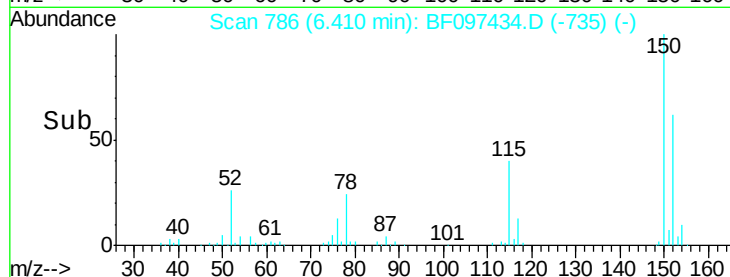
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Instrument :
BNA_F
ClientSampleId :
BU-03-080417

Tot Ion:152 Resp: 88142
Ion Ratio Lower Upper
152 100
150 161.4 126.2 189.2
115 65.1 52.2 78.2



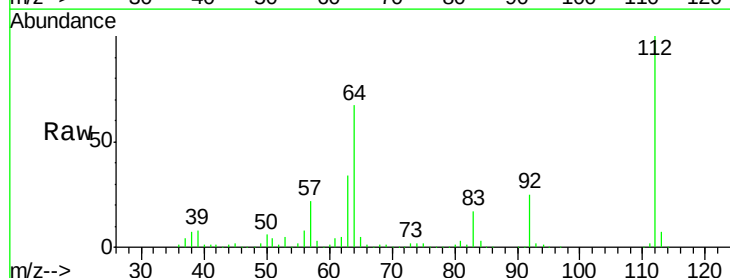
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



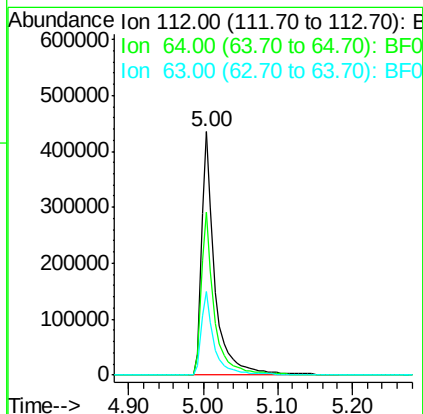
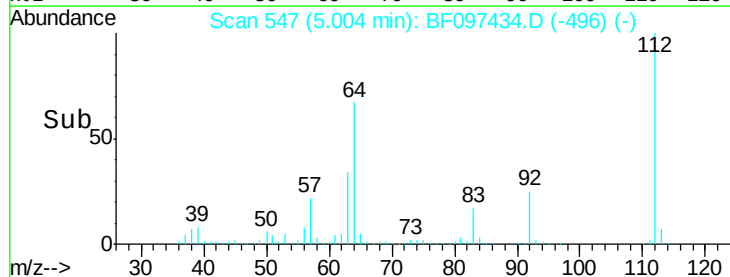
#5

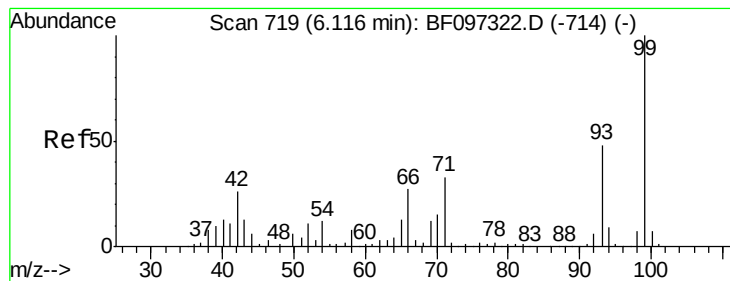
2-Fluorophenol
Concen: 94.22 ng
RT: 5.00 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Tgt Ion:112 Resp: 550886
Ion Ratio Lower Upper
112 100
64 66.8 46.0 69.0
63 34.1 23.4 35.0



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: 92.74 ng

RT: 6.09 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

Instrument :

BNA_F

ClientSampleId :

BU-03-080417

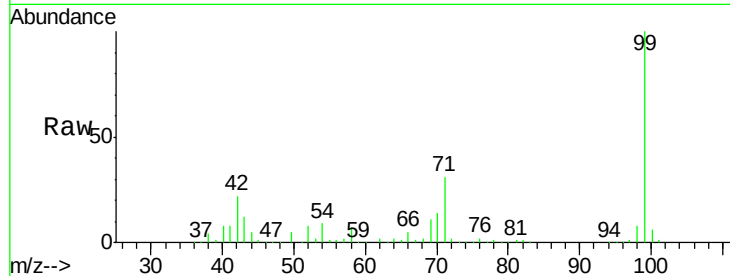
Tot Ion: 99 Resp: 619067

Ion Ratio Lower Upper

99 100

42 21.9 13.5 20.3#

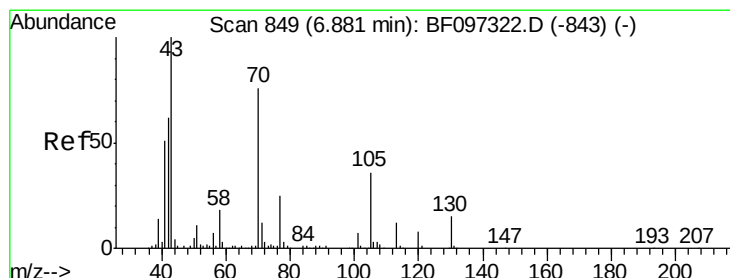
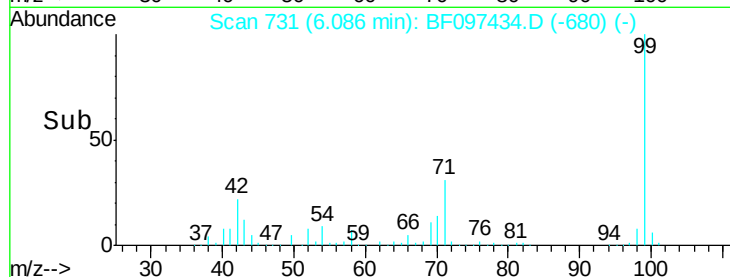
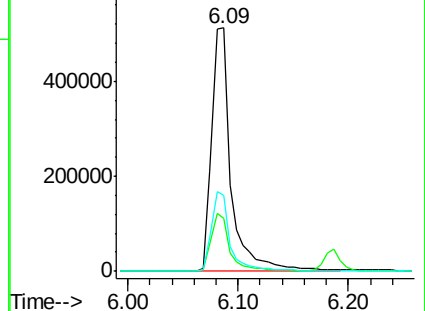
71 31.0 24.5 36.7



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: 11.12 ng

RT: 6.98 min Scan# 883

Delta R.T. 0.13 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

Tgt Ion: 70 Resp: 48838

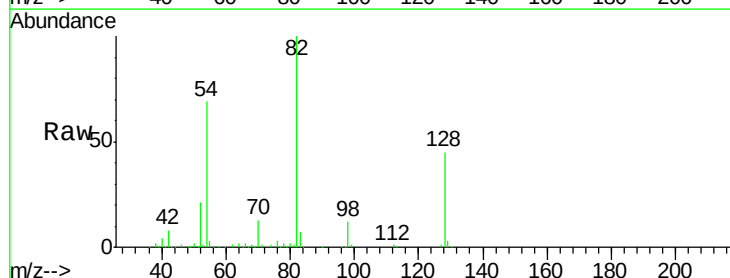
Ion Ratio Lower Upper

70 100

42 59.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

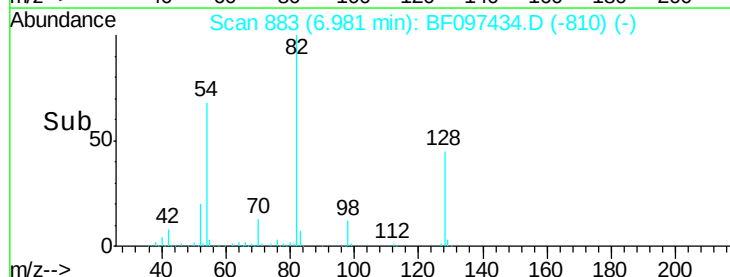
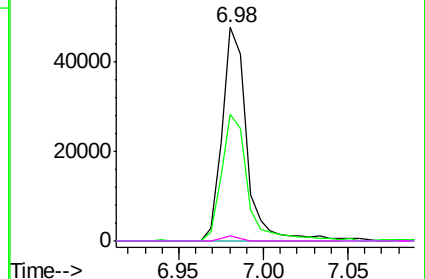


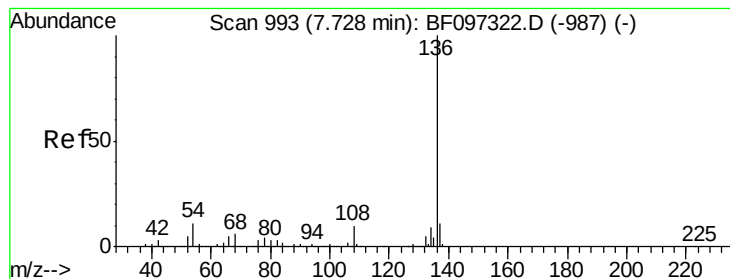
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.69 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

Instrument :

BNA_F

ClientSampleId :

BU-03-080417

Tot Ion:136 Resp: 369843

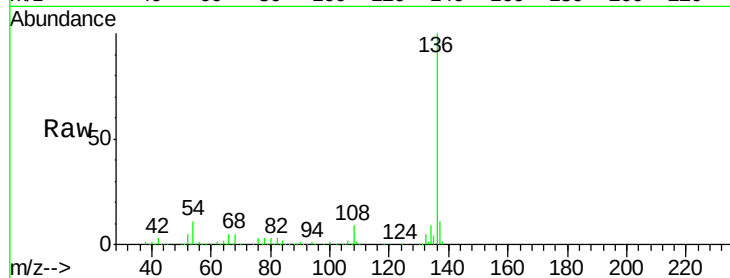
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.6 4.9 7.3#

68 5.1 4.1 6.1

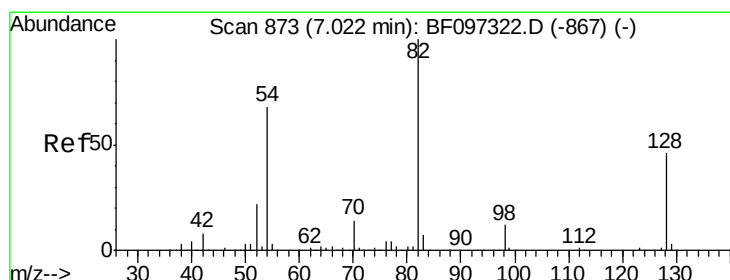
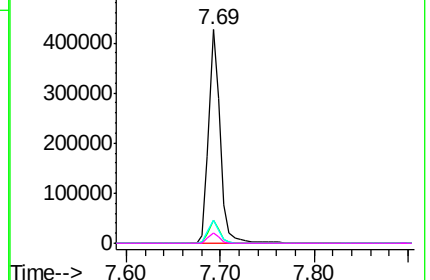
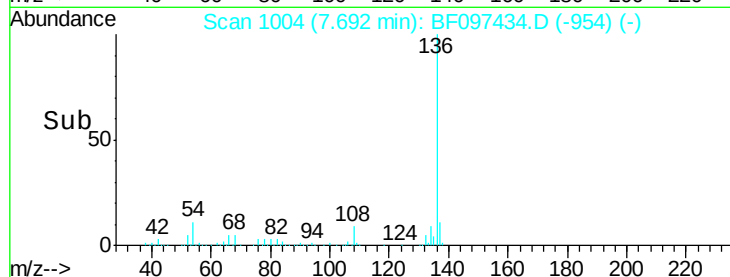


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 58.60 ng

RT: 6.98 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

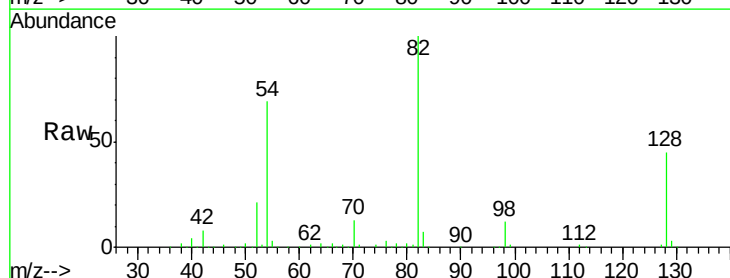
Tgt Ion: 82 Resp: 369445

Ion Ratio Lower Upper

82 100

128 45.3 34.0 51.0

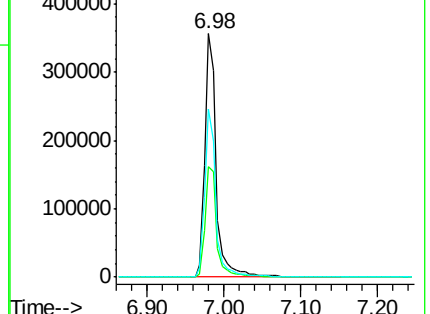
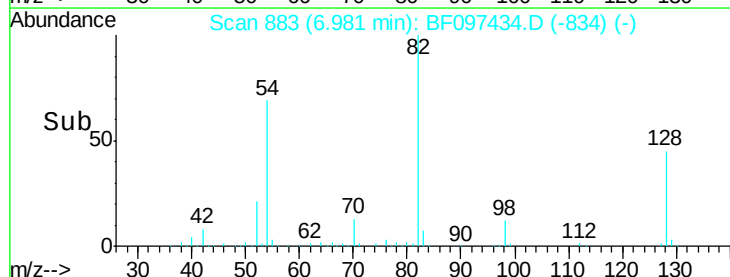
54 68.8 42.2 63.2#

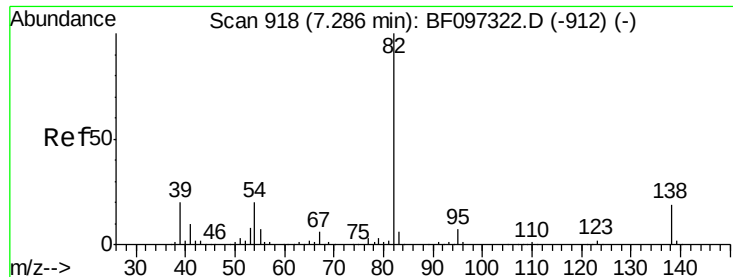


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

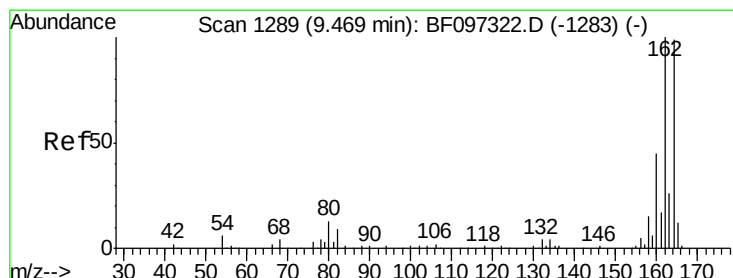
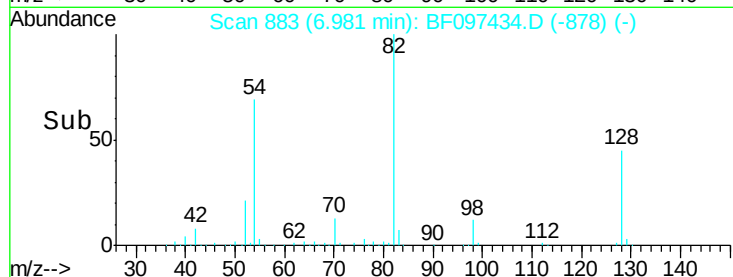
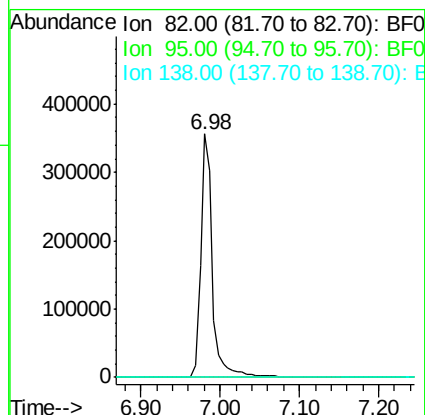
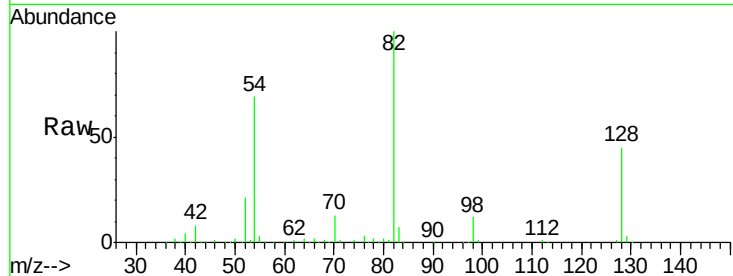




#25
Isophorone
Concen: 29.92 ng
RT: 6.98 min Scan# 883
Delta R.T. -0.27 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

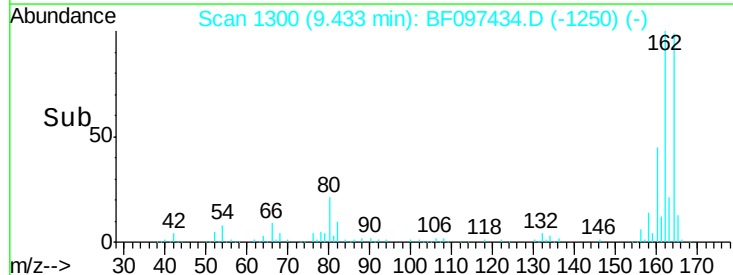
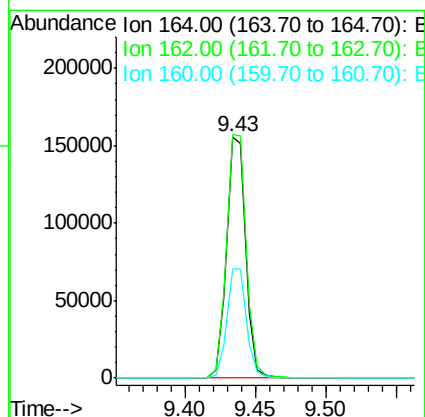
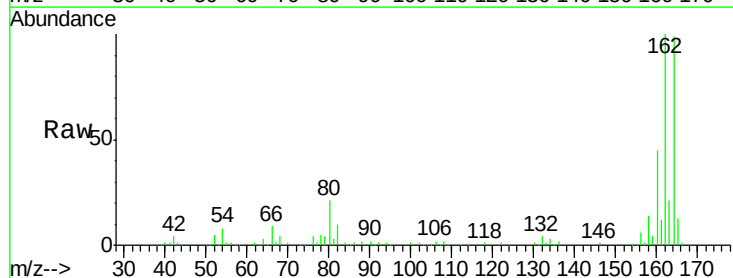
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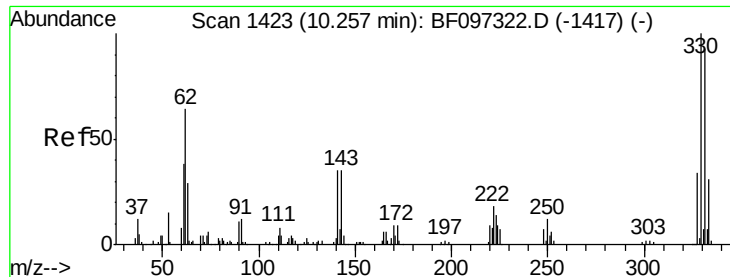
Tot Ion: 82 Resp: 369442
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Tgt Ion: 164 Resp: 146960
Ion Ratio Lower Upper
164 100
162 100.9 82.6 123.8
160 45.2 36.2 54.2

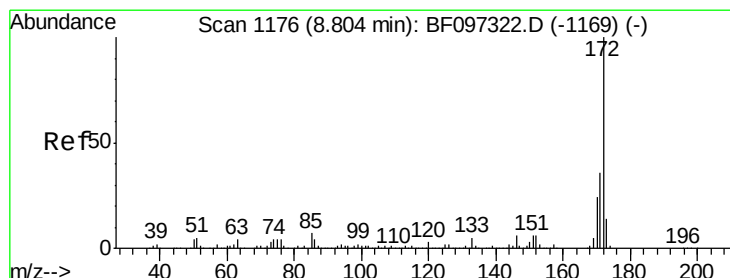
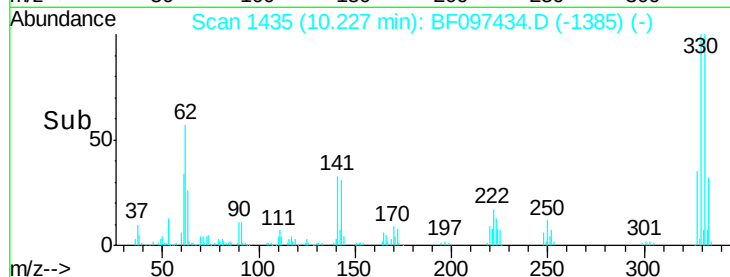
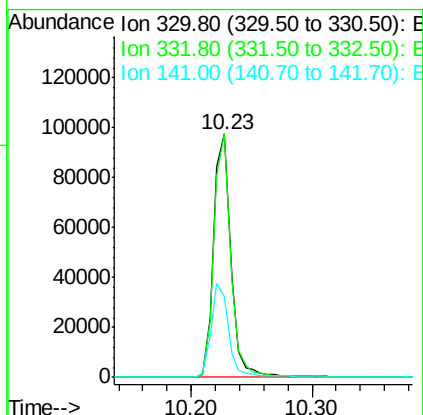
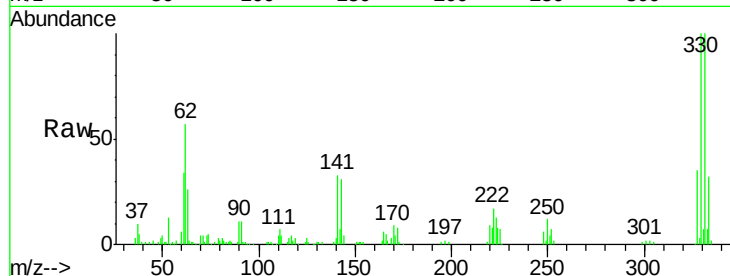




#41
 2,4,6-Tribromophenol
 Concen: 82.86 ng
 RT: 10.23 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF097434.D
 Acq: 7 Aug 2017 17:34

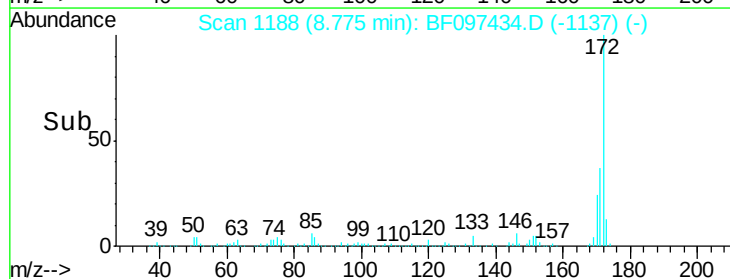
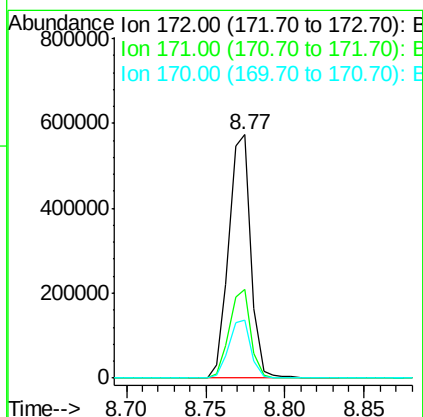
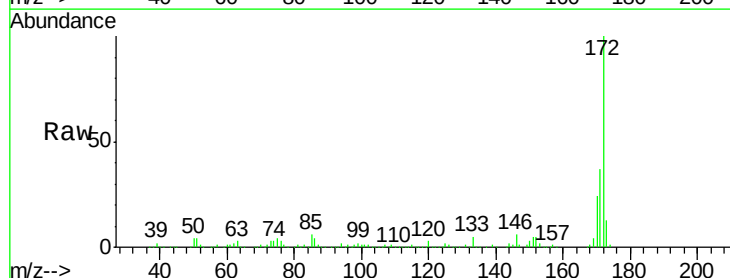
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 BNA_F
 ClientSampleId :
 BU-03-080417

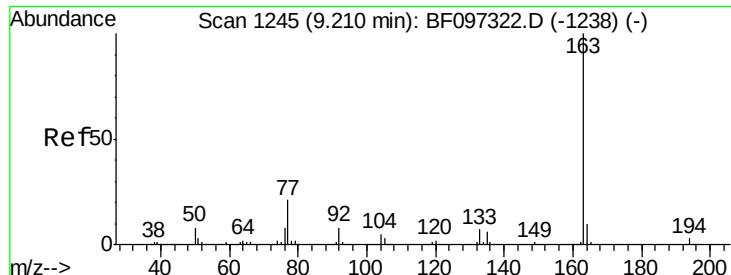
Tot Ion:330 Resp: 96210
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.6 115.0
 141 38.7 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 64.20 ng
 RT: 8.77 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BF097434.D
 Acq: 7 Aug 2017 17:34

Tgt Ion:172 Resp: 555934
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 23.8 19.8 29.8

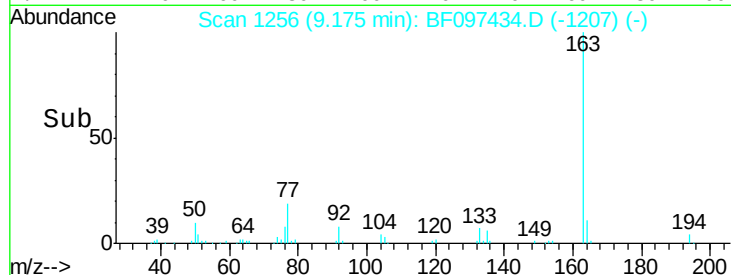
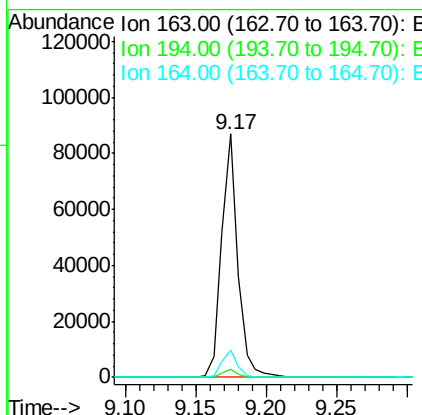
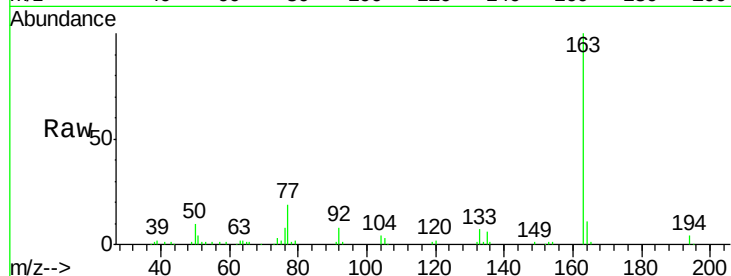




#49
Dimethylphthalate
Concen: 6.24 ng
RT: 9.17 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

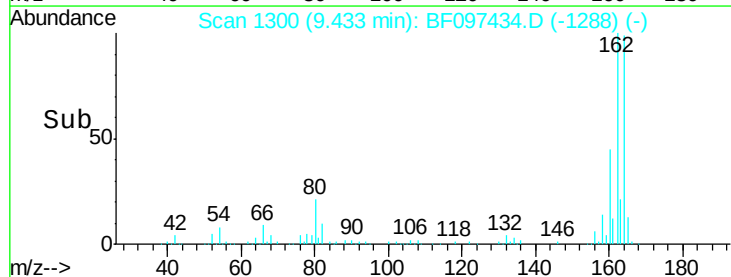
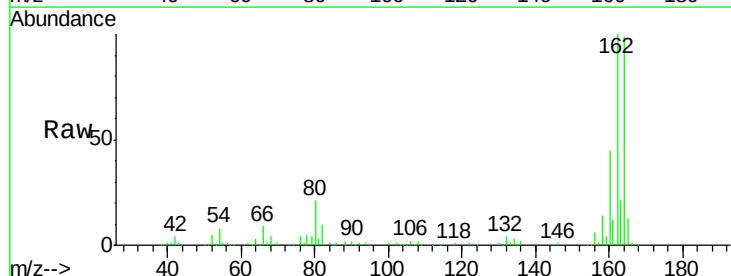
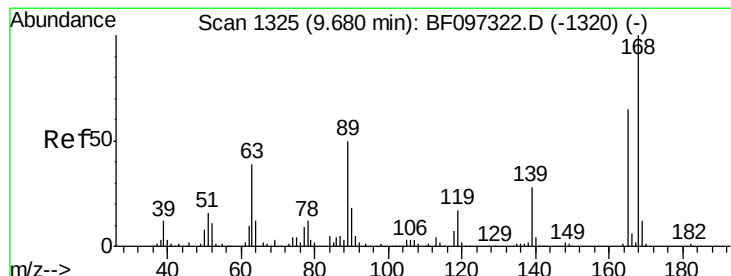
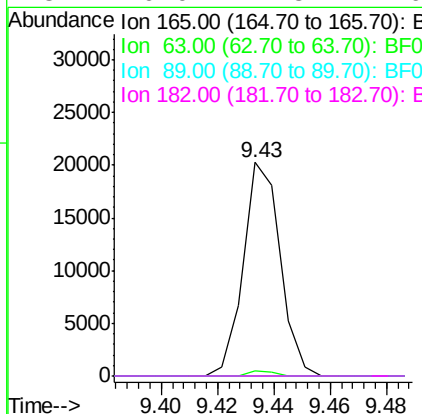
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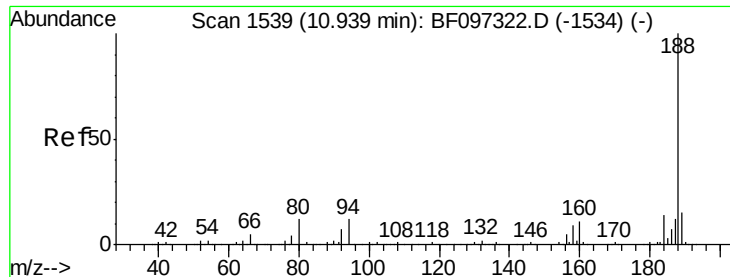
Tot Ion:163 Resp: 69636
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 11.0 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.73 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.23 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Tgt Ion:165 Resp: 18320
Ion Ratio Lower Upper
165 100
63 2.3 25.4 38.0#
89 0.0 46.4 69.6#
182 0.0 1.8 2.6#

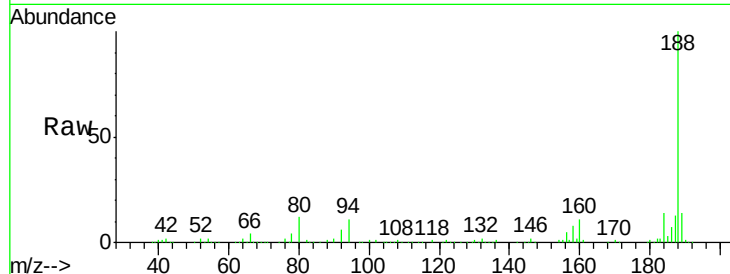




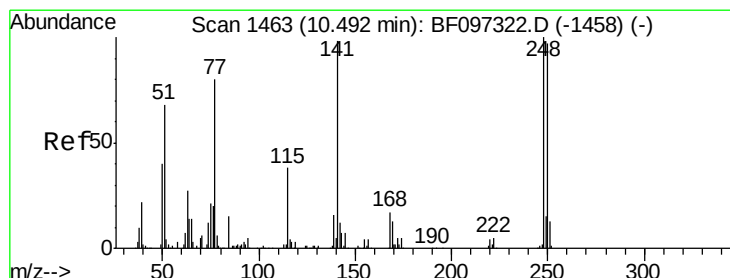
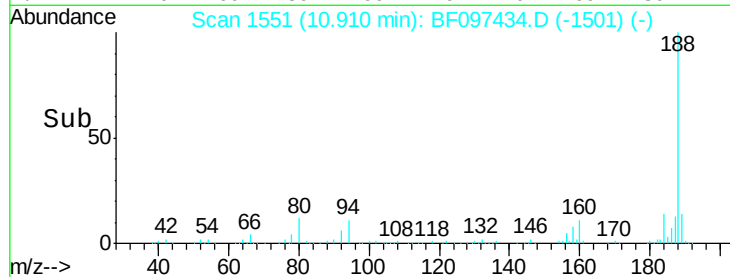
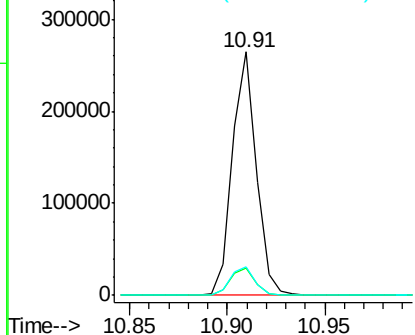
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.91 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Instrument :
BNA_F
ClientSampleId :
BU-03-080417

Tot Ion:188 Resp: 225042
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 11.7 10.2 15.2

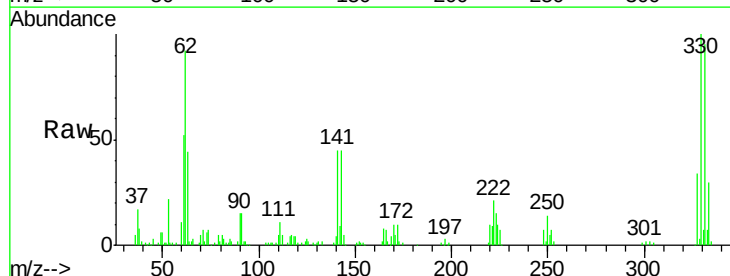


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

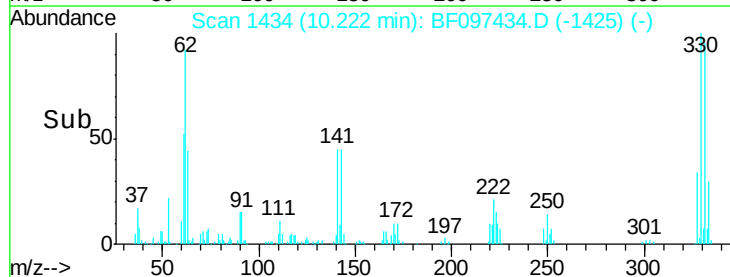
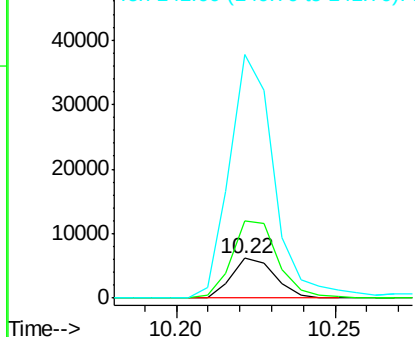


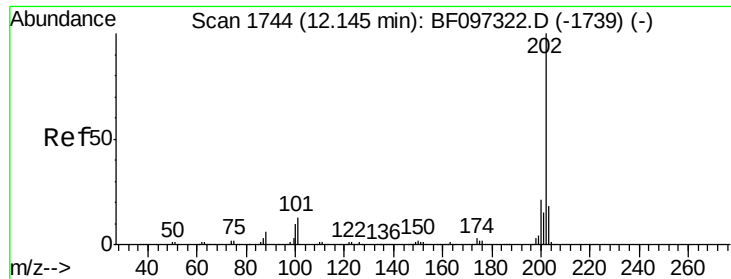
#66
4-Bromophenyl-phenylether
Concen: 2.62 ng
RT: 10.22 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Tgt Ion:248 Resp: 5888
Ion Ratio Lower Upper
248 100
250 196.7 76.8 115.2#
141 616.3 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





#74

Fluoranthene

Concen: 6.02 ng

RT: 12.12 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

Instrument :

BNA_F

ClientSampleId :

BU-03-080417

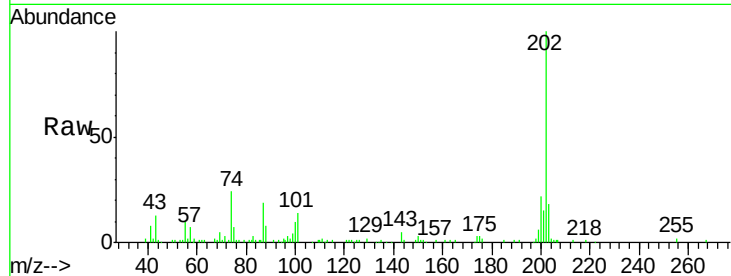
Tot Ion:202 Resp: 71061

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

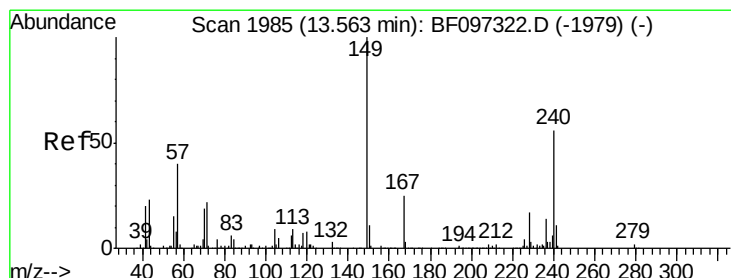
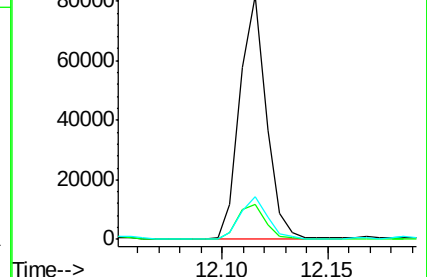
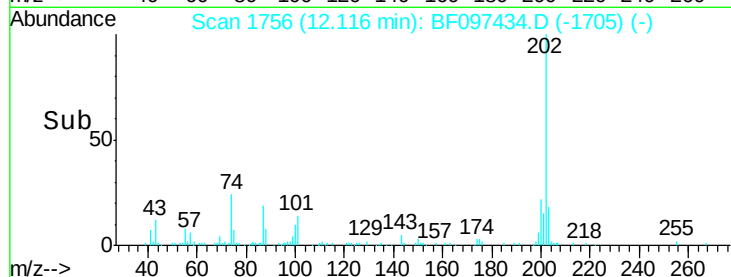
203 17.5 0.0 38.1



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: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

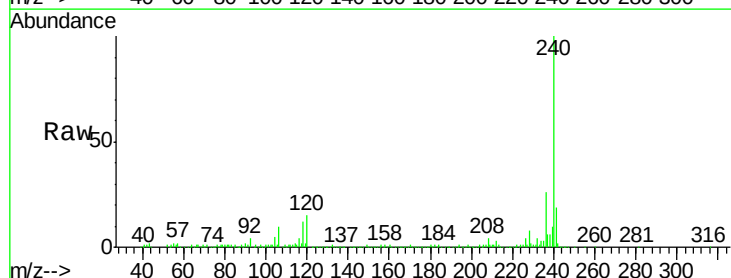
Tgt Ion:240 Resp: 177530

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

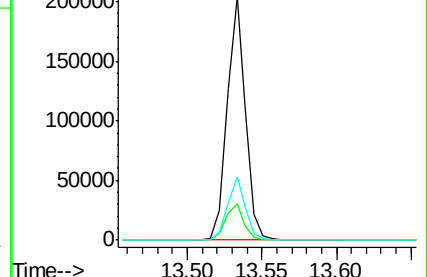
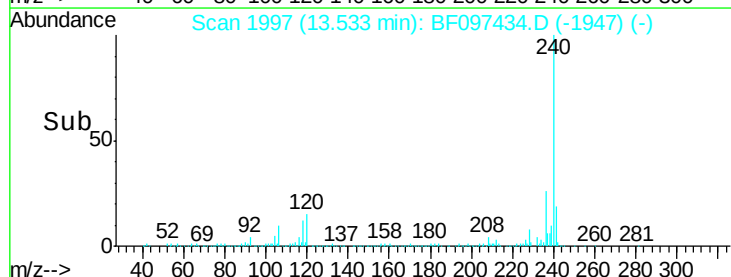
236 25.7 20.5 30.7

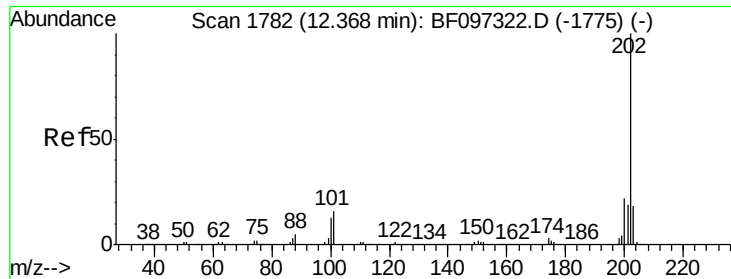


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

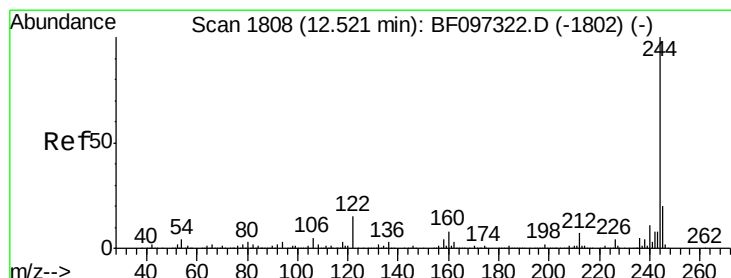
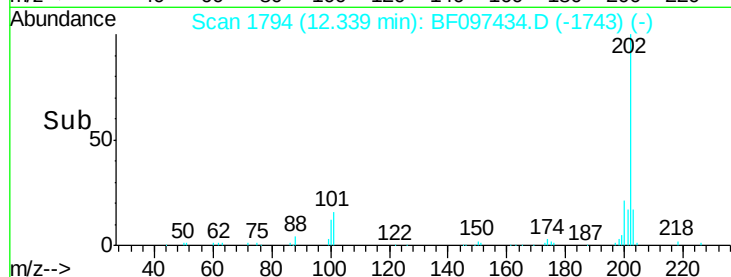
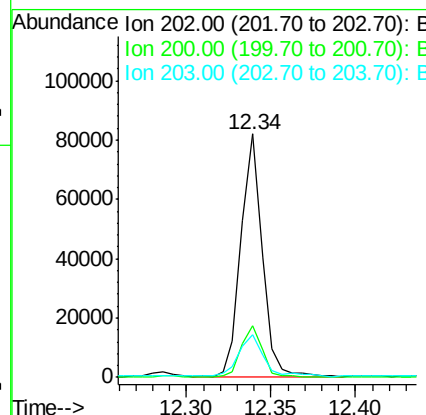
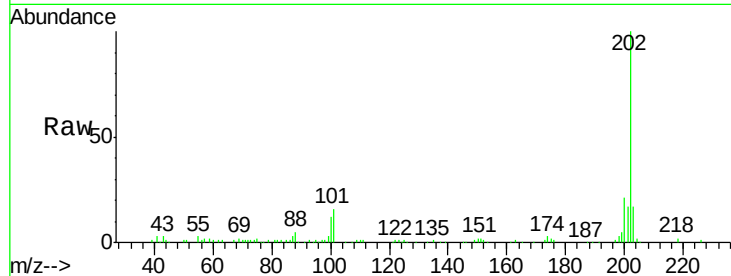




#77
Pvrene
Concen: 5.03 ng
RT: 12.34 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

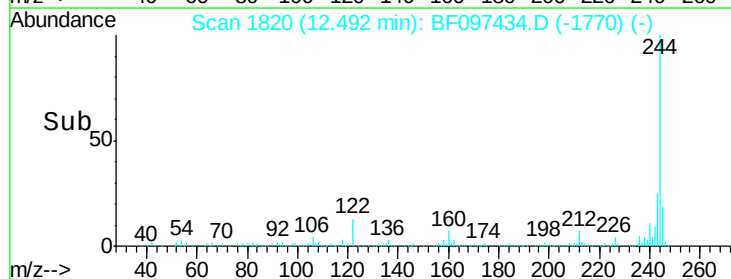
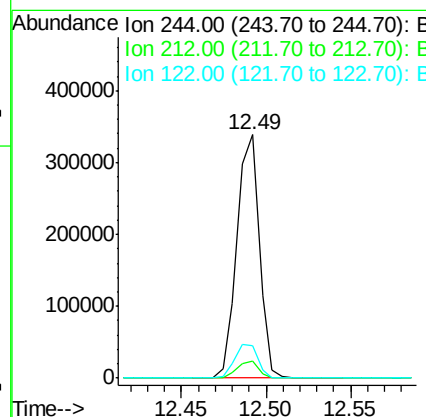
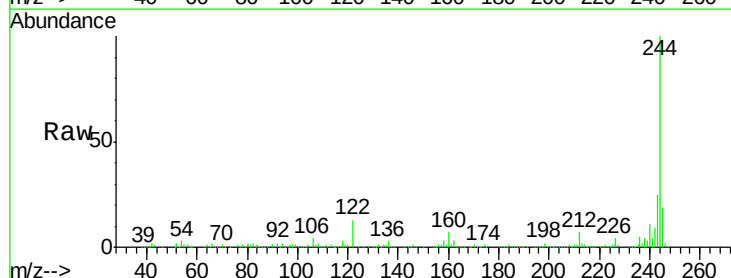
Instrument :
BNA_F
ClientSampleId :
BU-03-080417

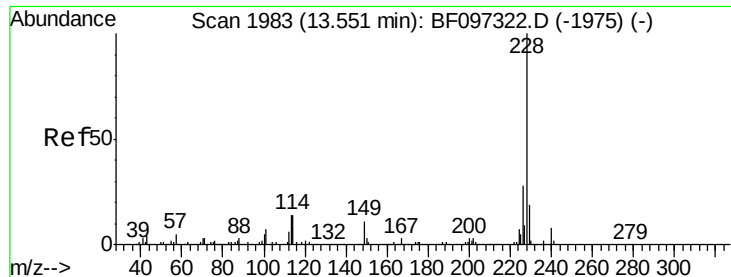
Tot Ion:202 Resp: 73063
Ion Ratio Lower Upper
202 100
200 21.0 17.6 26.4
203 17.4 14.4 21.6



#78
Terphenyl-d14
Concen: 35.83 ng
RT: 12.49 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Tgt Ion:244 Resp: 311990
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 13.4 10.3 15.5





#80

Benzo(a)anthracene

Concen: 5.19 ng

RT: 13.52 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

Instrument :

BNA_F

ClientSampleId :

BU-03-080417

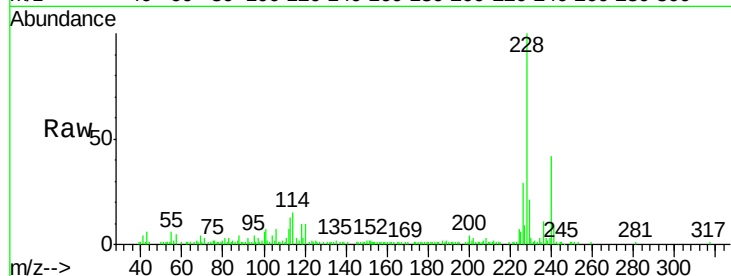
Tot Ion:228 Resp: 59602

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

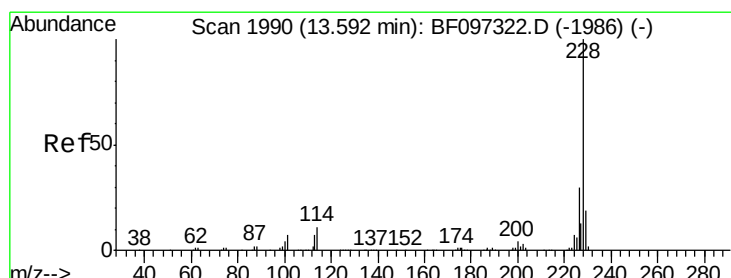
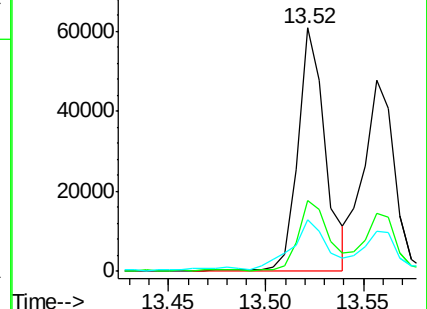
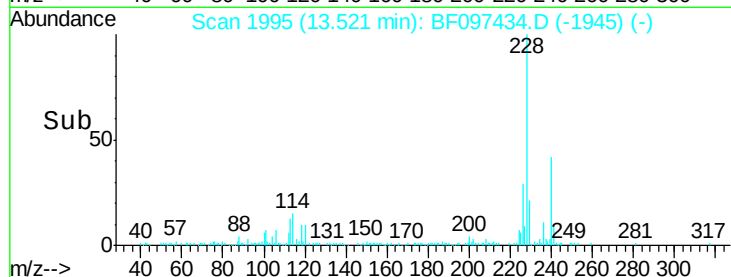
229 21.4 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.63 ng

RT: 13.56 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

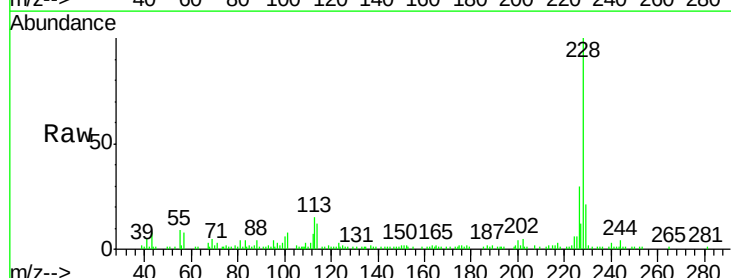
Tgt Ion:228 Resp: 51957

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

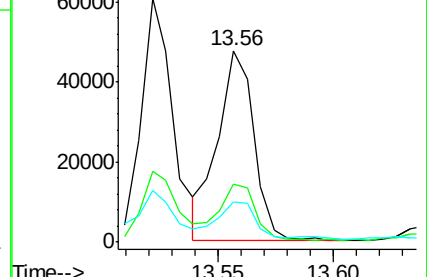
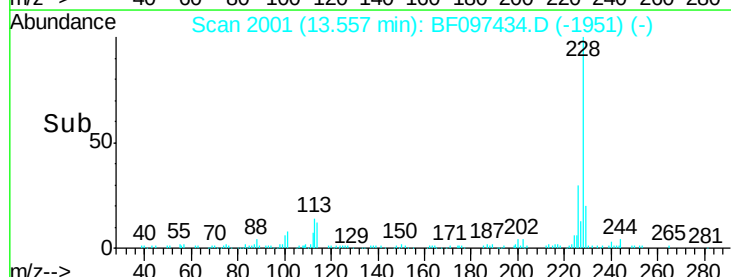
229 20.7 15.8 23.6

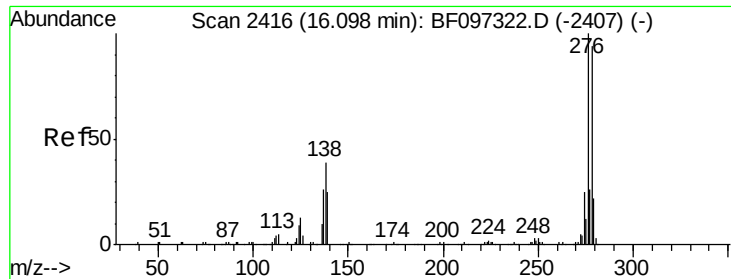


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

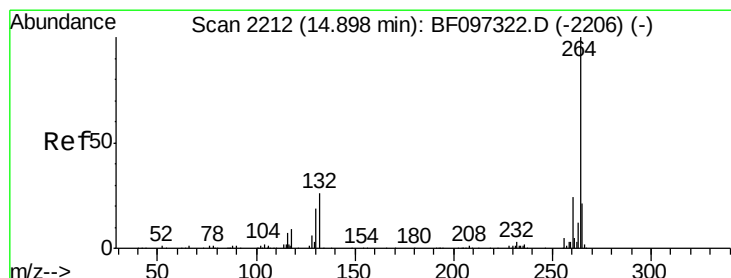
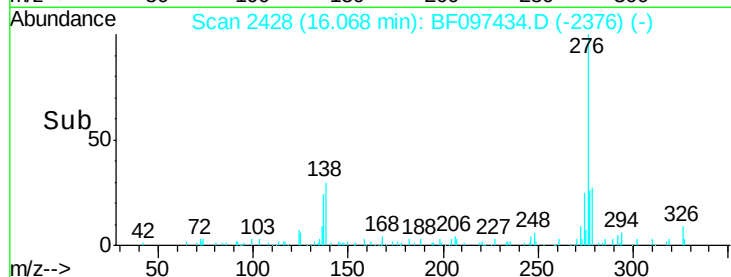
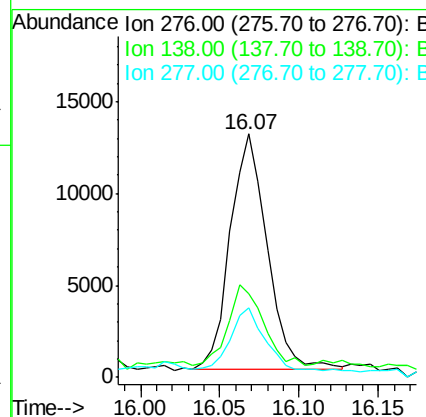
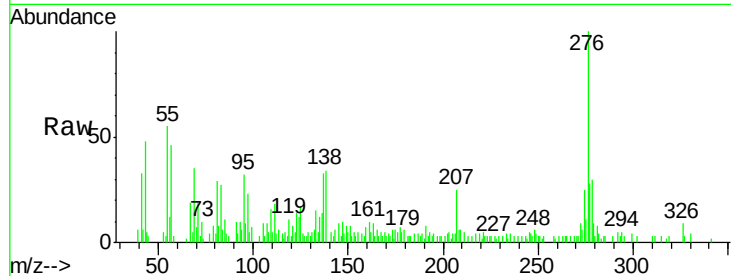




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.15 ng
RT: 16.07 min Scan# 2428
Delta R.T. 0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

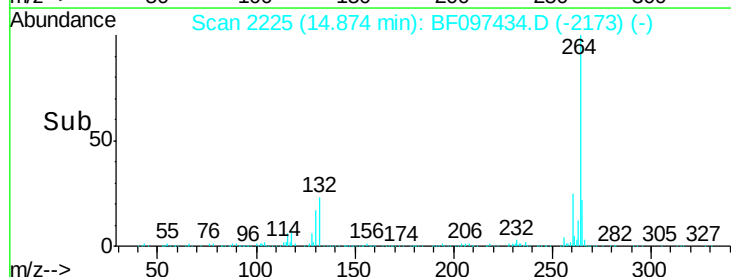
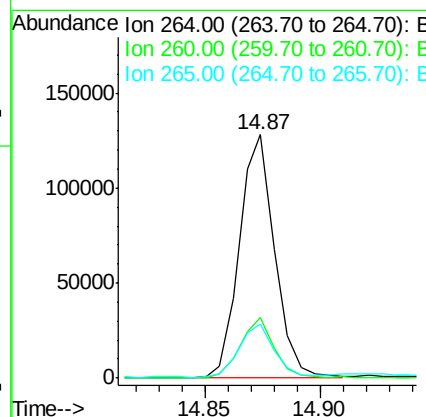
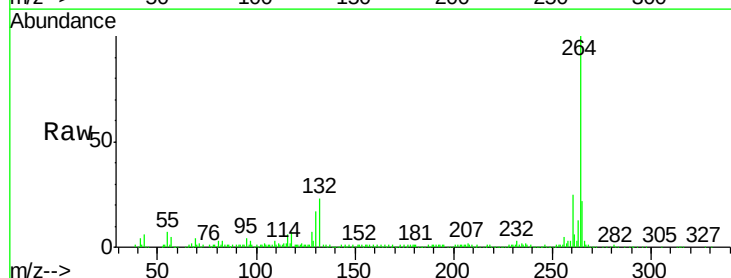
Instrument :
BNA_F
ClientSampleId :
BU-03-080417

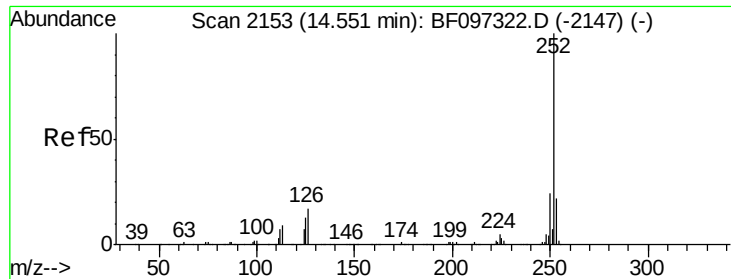
Tot Ion	Ratio	Lower	Upper
276	100		
138	35.3	27.8	41.6
277	26.3	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 10.42 ng

RT: 14.53 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

Instrument :

BNA_F

ClientSampleId :

BU-03-080417

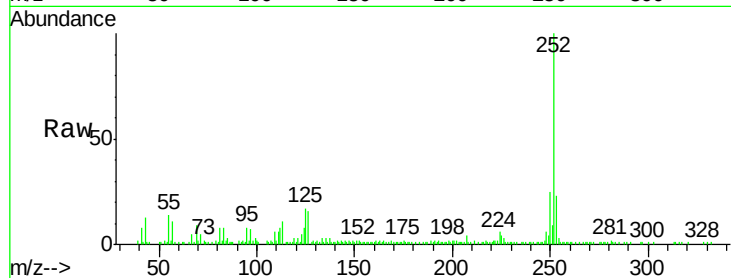
Tot Ion:252 Resp: 85686

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

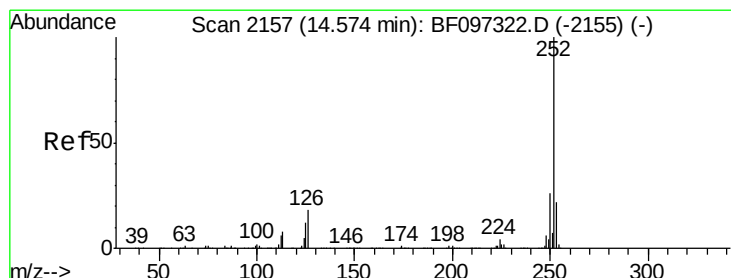
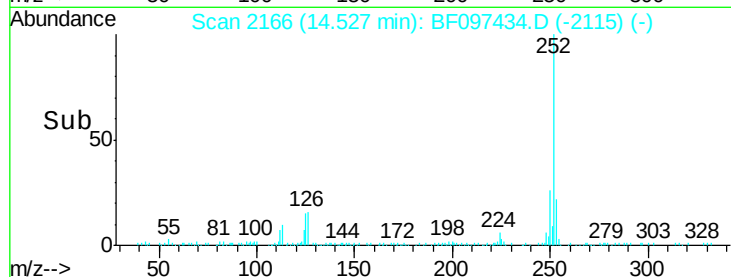
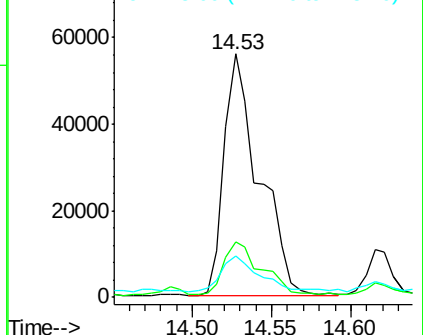
125 17.1 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 10.93 ng

RT: 14.53 min Scan# 2166

Delta R.T. -0.02 min

Lab File: BF097434.D

Acq: 7 Aug 2017 17:34

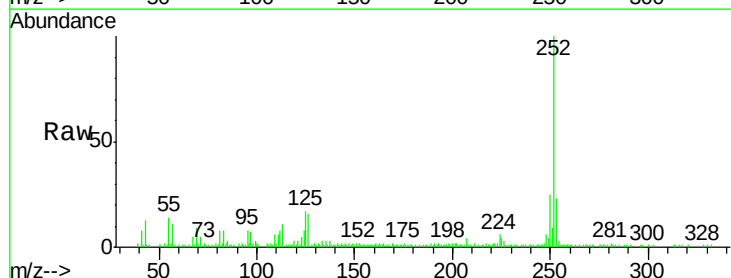
Tgt Ion:252 Resp: 85686

Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

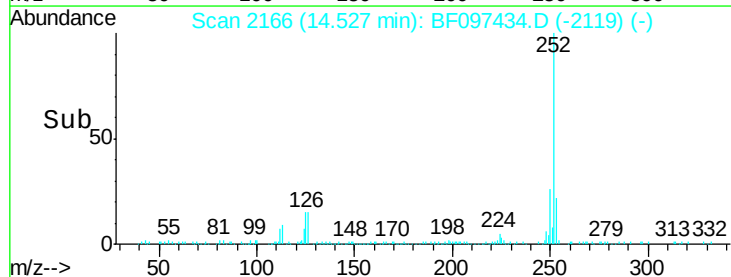
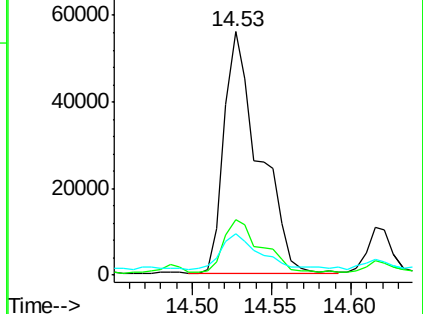
125 17.1 13.1 19.7

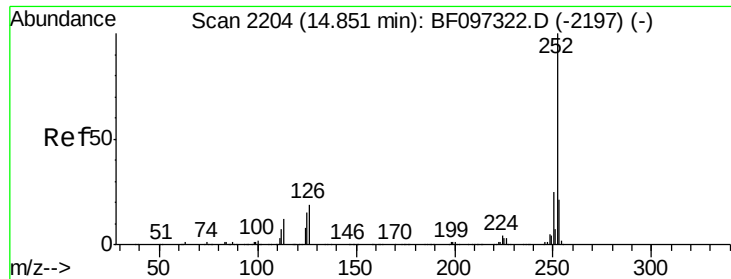


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

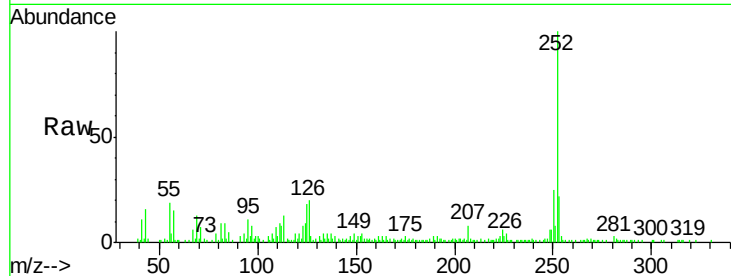




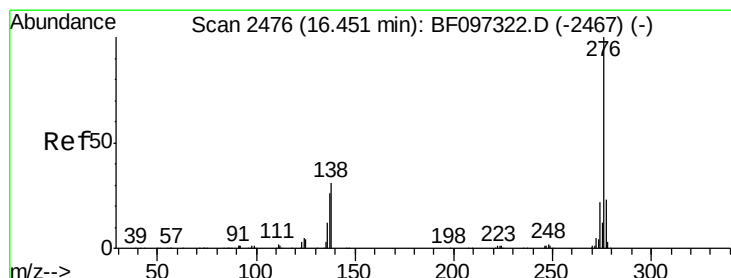
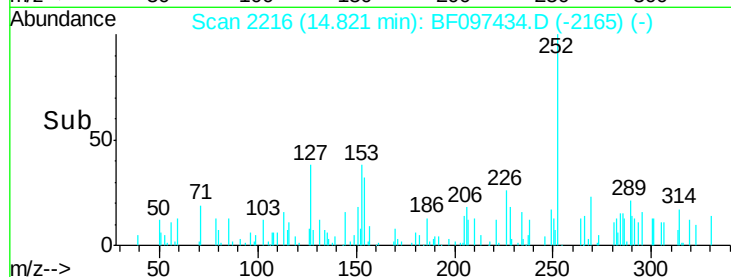
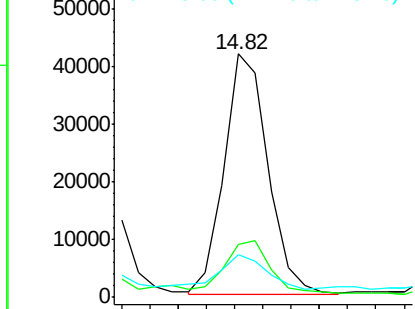
#89
Benzo(a)pyrene
Concen: 5.98 ng
RT: 14.82 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Instrument :
BNA_F
ClientSampled :
BU-03-080417

Tot Ion:252 Resp: 45048
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 17.5 11.0 16.4#

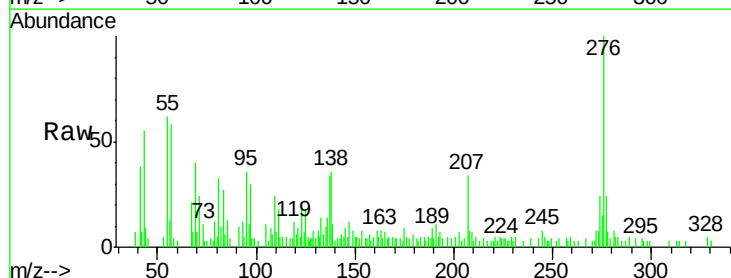


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.76 ng
RT: 16.42 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF097434.D
Acq: 7 Aug 2017 17:34

Tgt Ion:276 Resp: 24359
Ion Ratio Lower Upper
276 100
277 24.0 18.6 28.0
138 36.1 25.4 38.0



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

