

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097338.D
 Acq On : 4 Aug 2017 1:16
 Operator : SJ/JU
 Sample : I4562-19 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-G

Quant Time: Aug 04 02:21:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

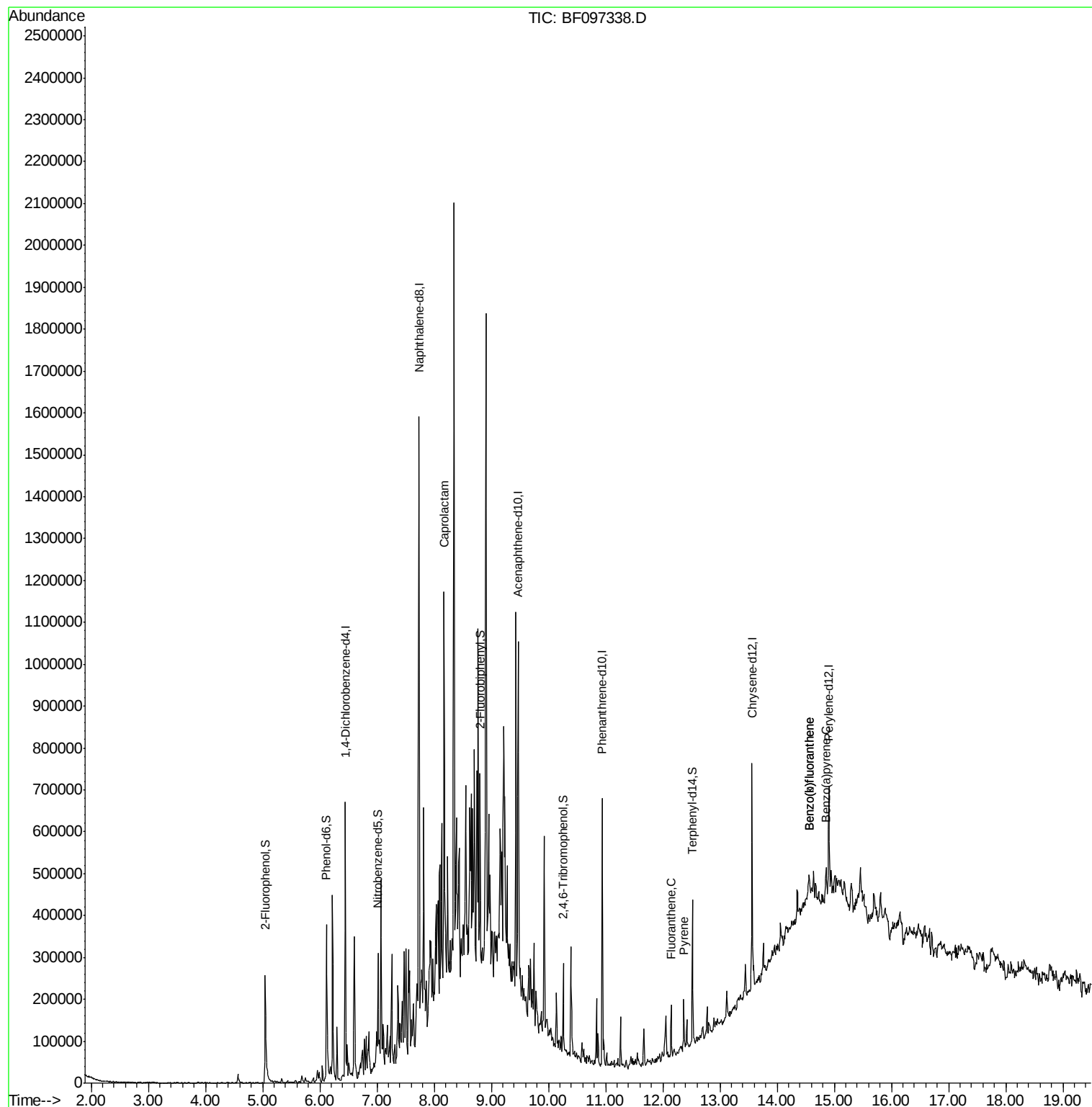
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	90723	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	376738	20.00	ng	-0.06
38) Acenaphthene-d10	9.47	164	135862	20.00	ng	-0.06
63) Phenanthrene-d10	10.94	188	215299	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	173132	20.00	ng	-0.06
86) Perylene-d12	14.90	264	116564	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	114764	19.07	ng	-0.05
7) Phenol-d6	6.12	99	161023	23.44	ng	-0.05
23) Nitrobenzene-d5	7.02	82	81293	12.66	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	20506	19.10	ng	-0.06
44) 2-Fluorobiphenyl	8.80	172	143866	17.97	ng	-0.06
78) Terphenyl-d14	12.52	244	103565	12.20	ng	-0.06
Target Compounds						
35) Caprolactam	8.17	113	13089	7.938	ng	Qvalue # 1
74) Fluoranthene	12.14	202	44831	3.967	ng	98
77) Pyrene	12.37	202	46199	3.259	ng	97
87) Benzo(b)fluoranthene	14.56	252	26880	3.836	ng	# 65
88) Benzo(k)fluoranthene	14.56	252	26880	4.026	ng	# 69
89) Benzo(a)pyrene	14.86	252	12922	2.015	ng	# 67

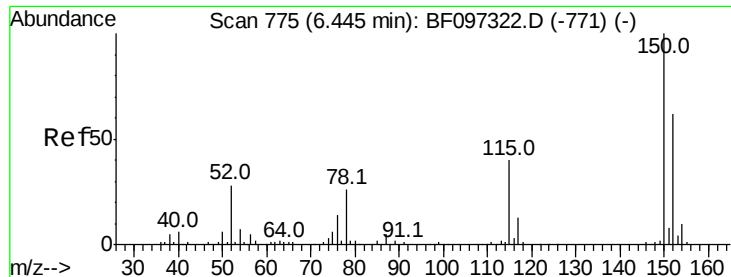
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.45 min Scan# 775

Delta R.T. -0.05 min

Lab File: BF097338.D

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BNA_F

ClientSampleId :

JC-02-080117-G

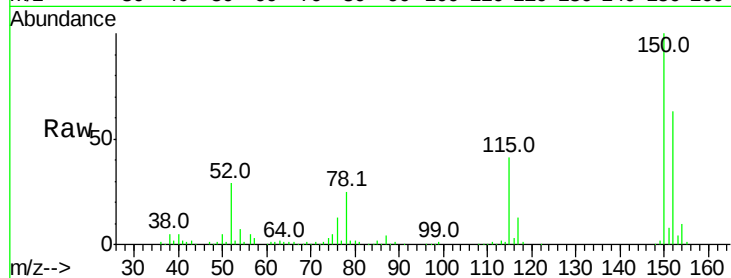
Tot Ion:152 Resp: 90723

Ion Ratio Lower Upper

152 100

150 159.8 126.2 189.2

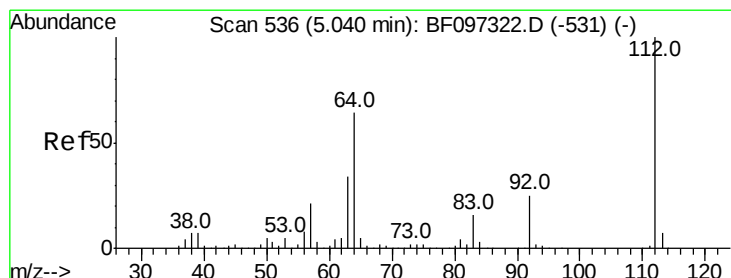
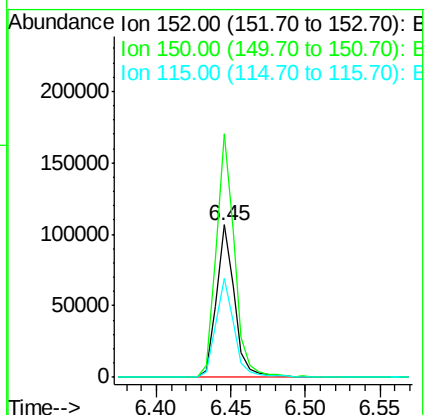
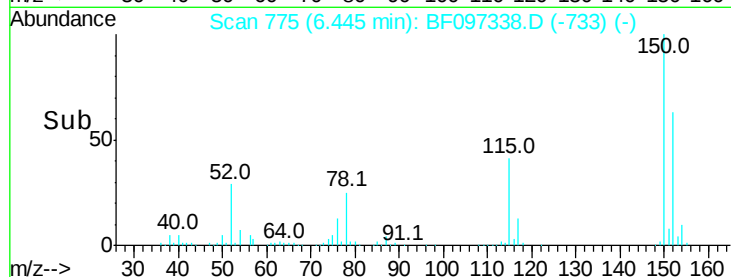
115 64.8 52.2 78.2



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: 19.070 ng

RT: 5.05 min Scan# 537

Delta R.T. -0.05 min

Lab File: BF097338.D

Acq: 4 Aug 2017 1:16

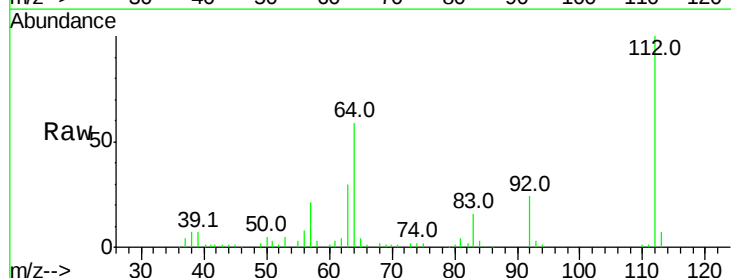
Tgt Ion:112 Resp: 114764

Ion Ratio Lower Upper

112 100

64 58.7 46.0 69.0

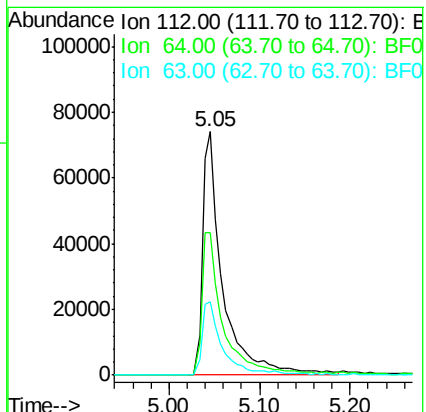
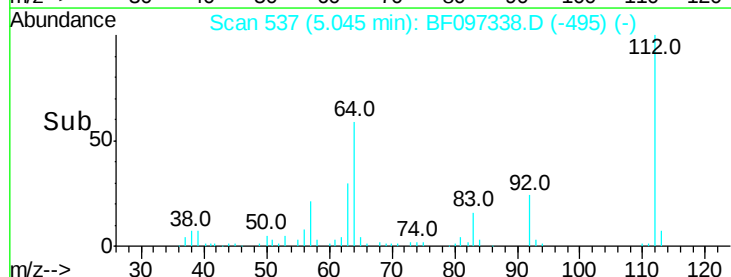
63 30.0 23.4 35.0

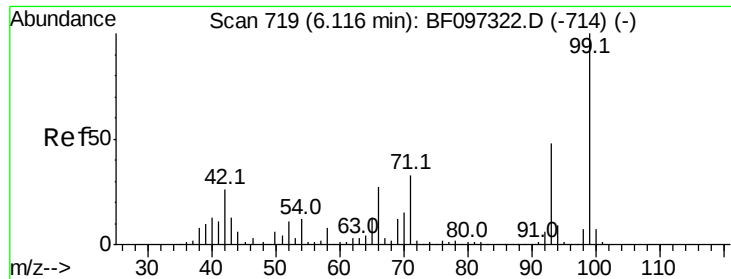


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.437 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097338.D

Acq: 4 Aug 2017 1:16

Instrument :

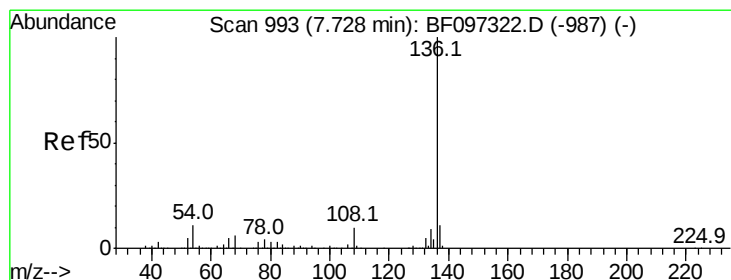
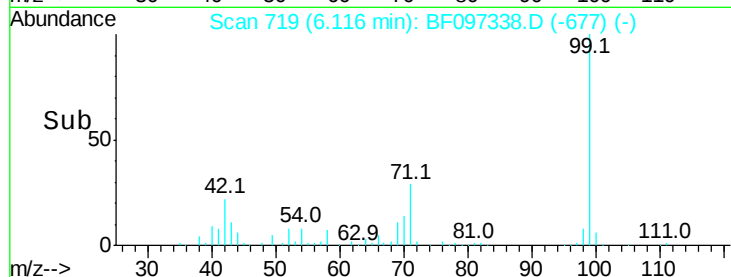
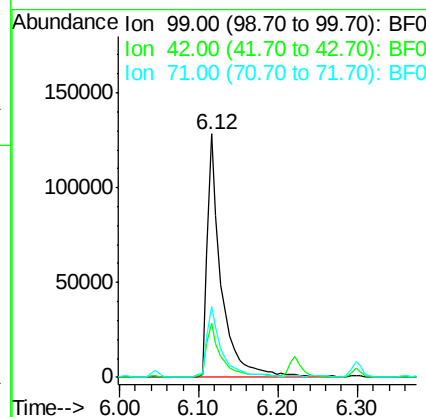
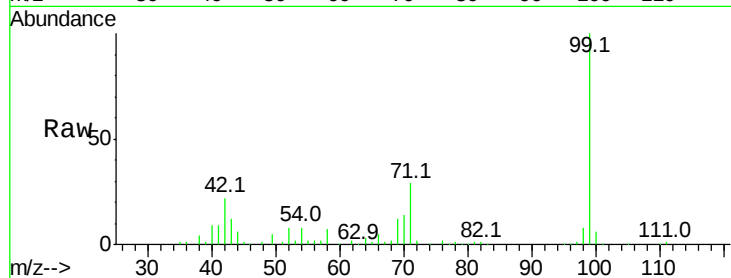
BNA_F

ClientSampleId :

JC-02-080117-G

Tot Ion: 99 Resp: 161023

Ion	Ratio	Lower	Upper
99	100		
42	22.3	13.5	20.3#
71	28.9	24.5	36.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.73 min Scan# 993

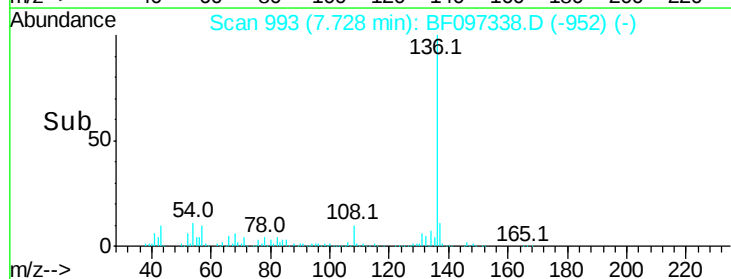
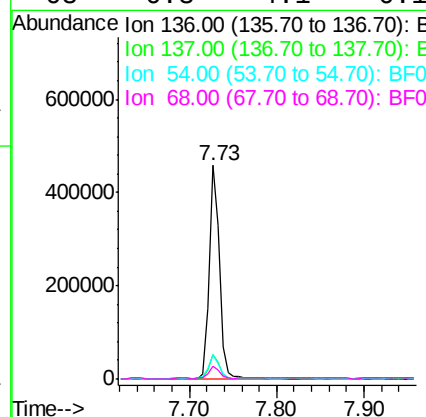
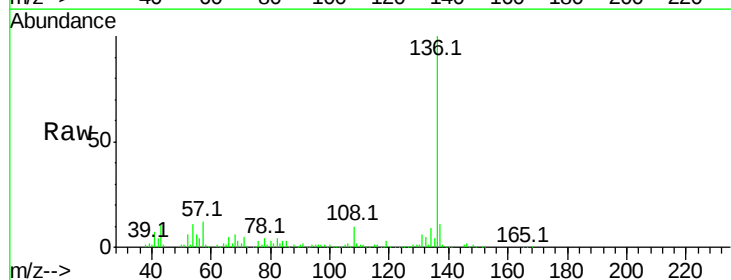
Delta R.T. -0.06 min

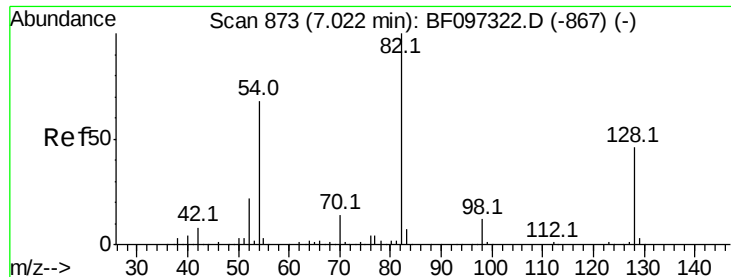
Lab File: BF097338.D

Acq: 4 Aug 2017 1:16

Tgt Ion: 136 Resp: 376738

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	11.3	4.9	7.3#
68	6.3	4.1	6.1#

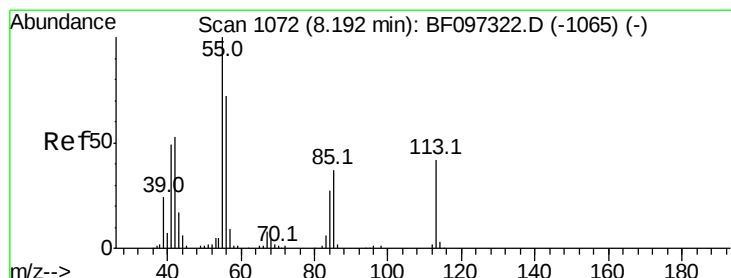
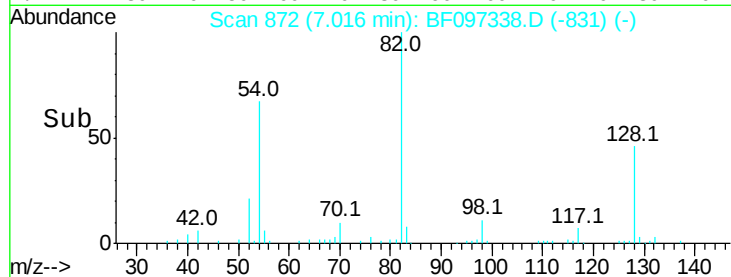
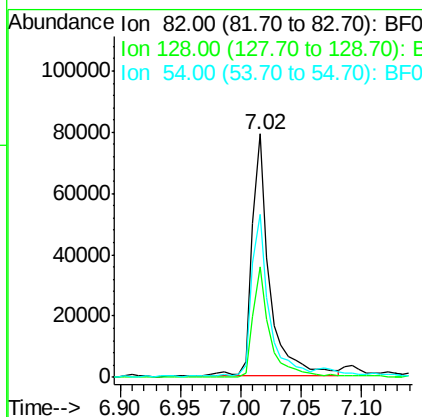
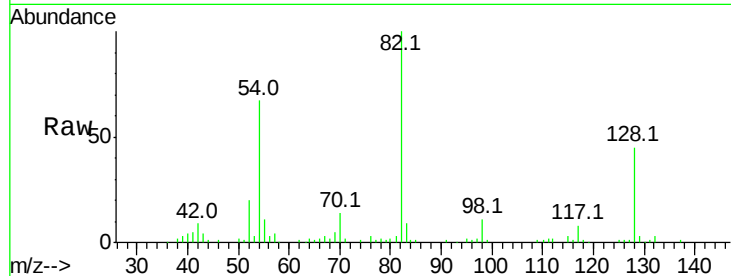




#23
 Nitrobenzene-d5
 Concen: 12.659 ng
 RT: 7.02 min Scan# 872
 Delta R.T. -0.06 min
 Lab File: BF097338.D
 Acq: 4 Aug 2017 1:16

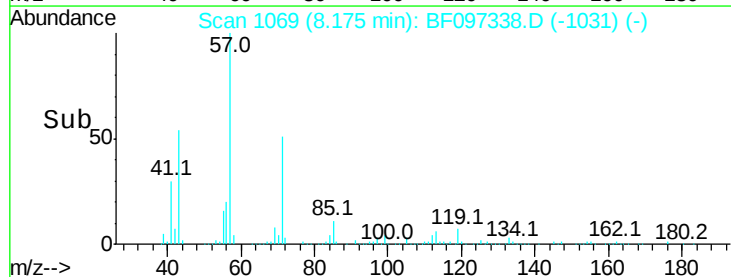
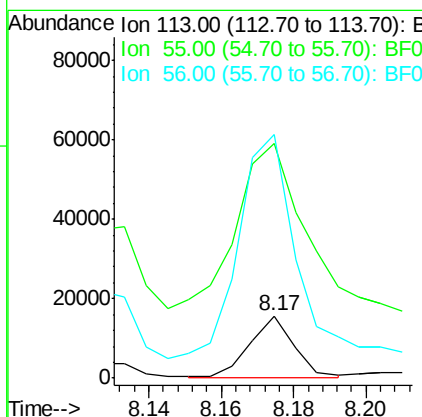
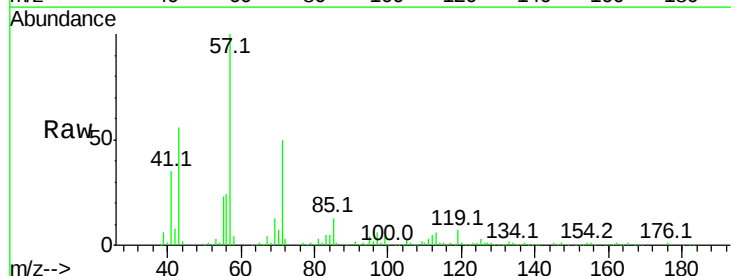
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-G

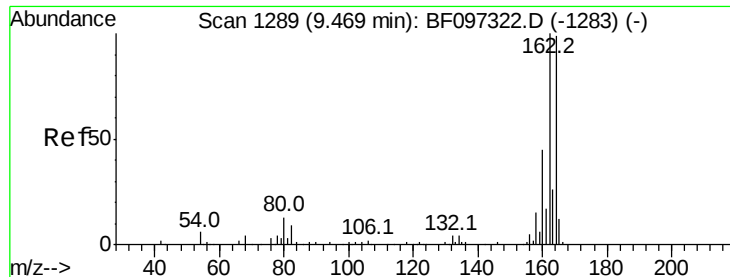
Tot Ion: 82 Resp: 81293
 Ion Ratio Lower Upper
 82 100
 128 45.5 34.0 51.0
 54 67.0 42.2 63.2#



#35
 Caprolactam
 Concen: 7.938 ng
 RT: 8.17 min Scan# 1069
 Delta R.T. -0.08 min
 Lab File: BF097338.D
 Acq: 4 Aug 2017 1:16

Tgt Ion: 113 Resp: 13089
 Ion Ratio Lower Upper
 113 100
 55 376.0 150.2 190.2#
 56 389.8 107.8 147.8#

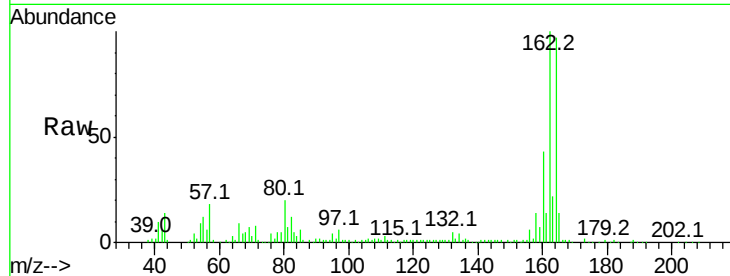




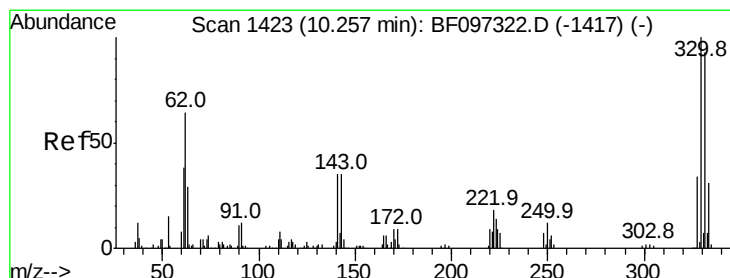
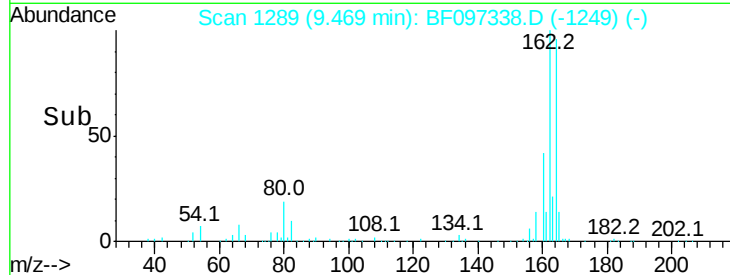
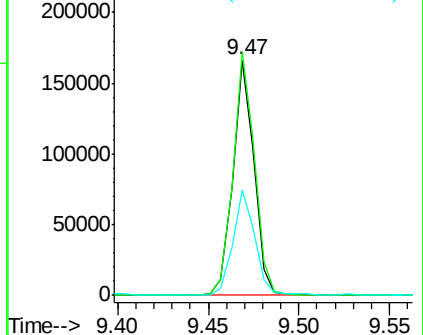
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.06 min
 Lab File: BF097338.D
 Acq: 4 Aug 2017 1:16

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-G

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.6	123.8
160	45.0	36.2	54.2

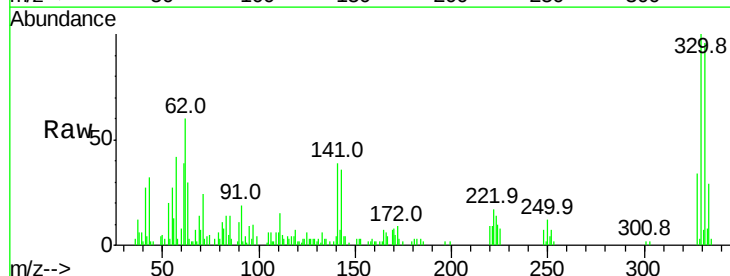


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

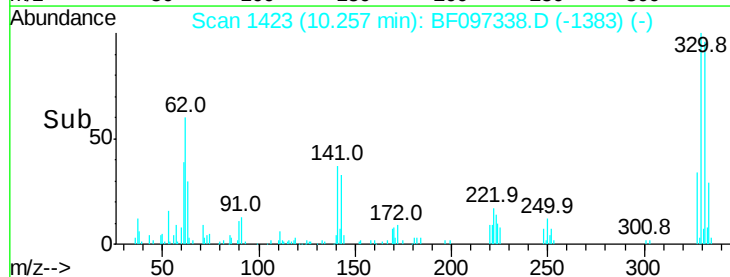
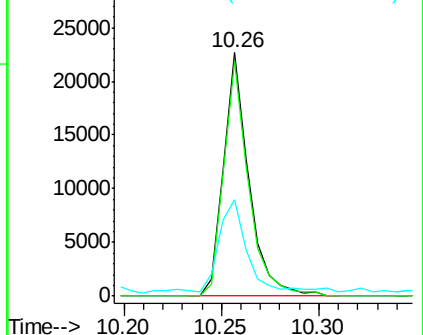


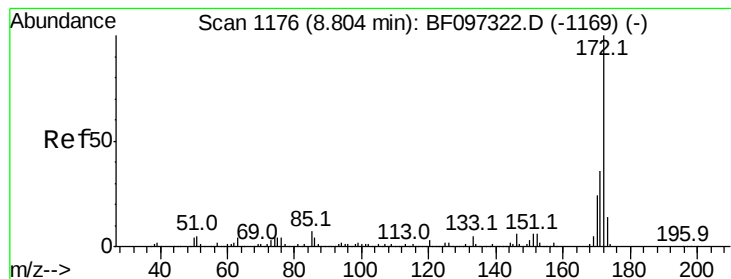
#41
 2,4,6-Tribromophenol
 Concen: 19.103 ng
 RT: 10.26 min Scan# 1423
 Delta R.T. -0.06 min
 Lab File: BF097338.D
 Acq: 4 Aug 2017 1:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.6	115.0
141	42.8	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

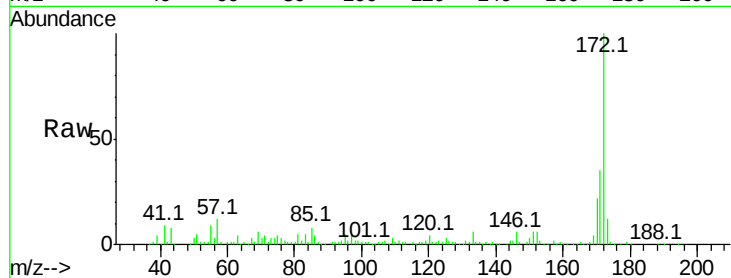




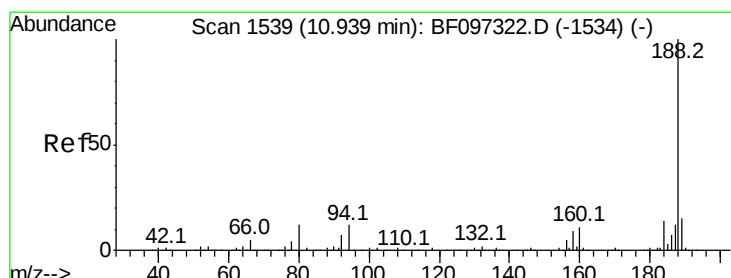
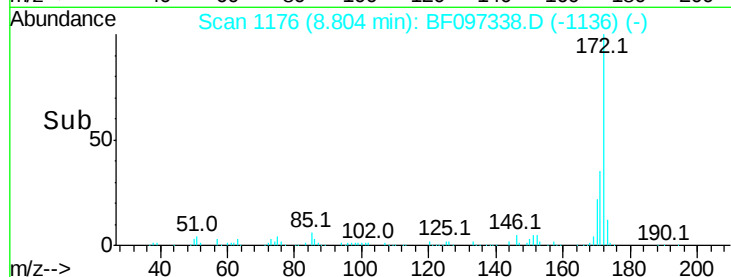
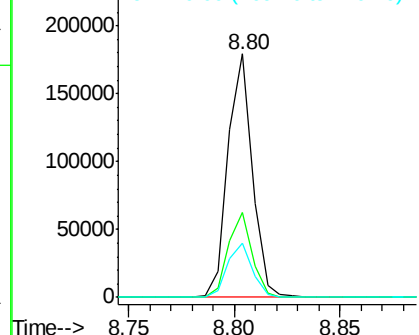
#44
 2-Fluorobiphenyl
 Concen: 17.971 ng
 RT: 8.80 min Scan# 1176
 Delta R.T. -0.06 min
 Lab File: BF097338.D
 Acq: 4 Aug 2017 1:16

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-G

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	22.3	19.8	29.8

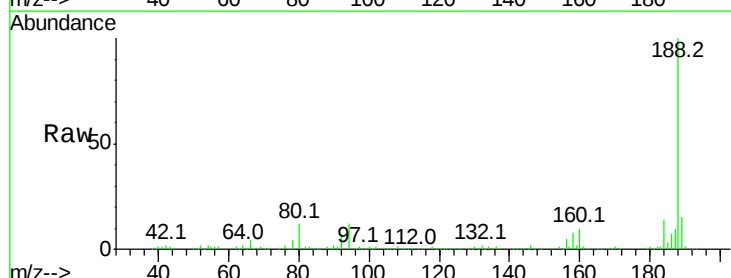


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

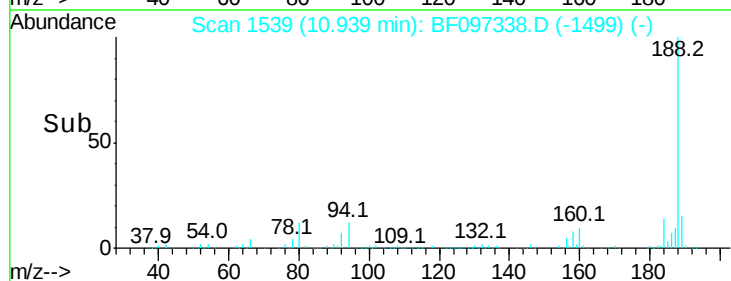
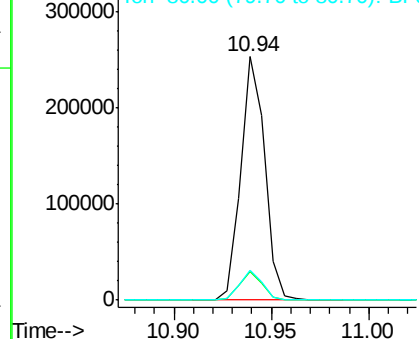


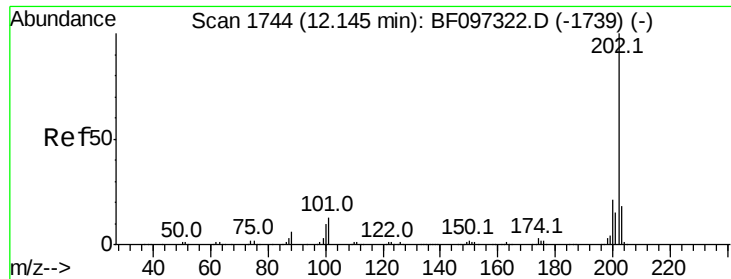
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.94 min Scan# 1539
 Delta R.T. -0.06 min
 Lab File: BF097338.D
 Acq: 4 Aug 2017 1:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.0	9.4	14.2
80	12.1	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





#74

Fluoranthene

Concen: 3.967 ng

RT: 12.14 min Scan# 1744

Delta R.T. -0.06 min

Lab File: BF097338.D

Acq: 4 Aug 2017 1:16

Instrument :

BNA_F

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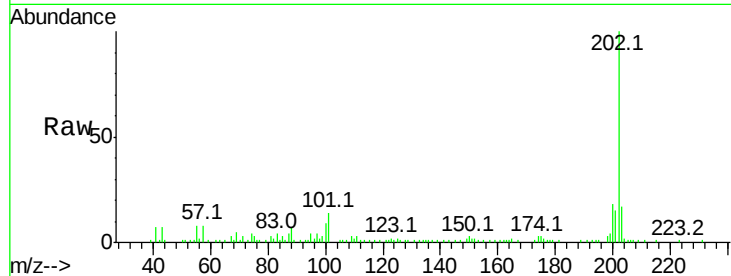
Tot Ion:202 Resp: 44831

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.2

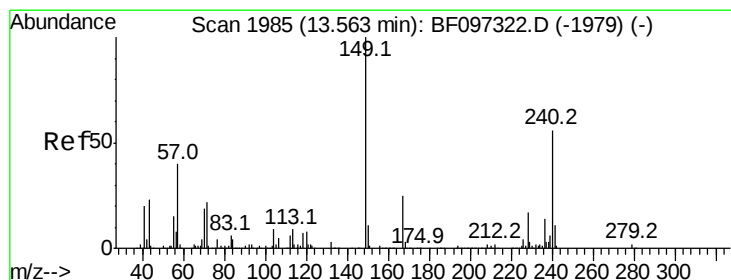
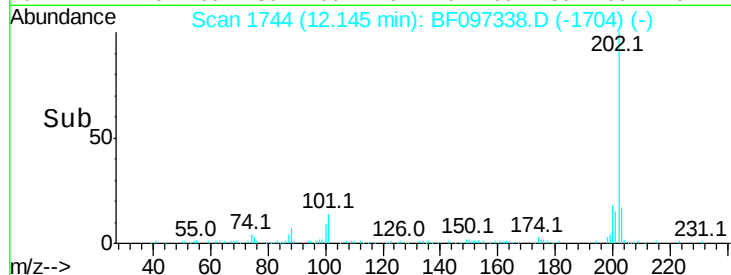
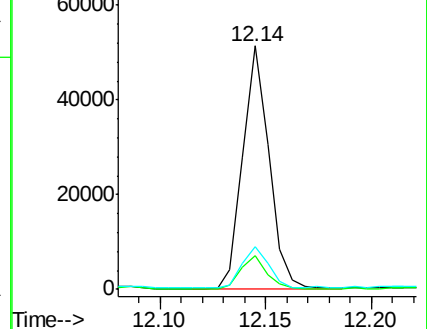
203 17.5 0.0 38.1



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: 20.000 ng

RT: 13.56 min Scan# 1985

Delta R.T. -0.06 min

Lab File: BF097338.D

Acq: 4 Aug 2017 1:16

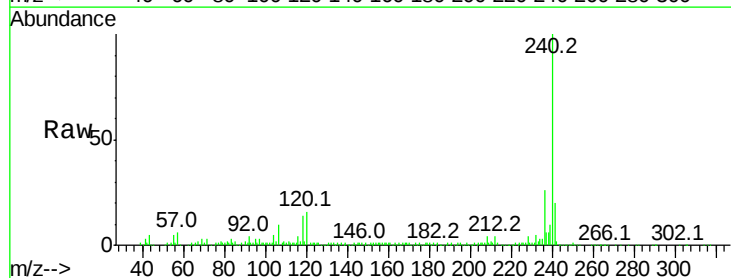
Tgt Ion:240 Resp: 173132

Ion Ratio Lower Upper

240 100

120 16.2 5.8 8.8#

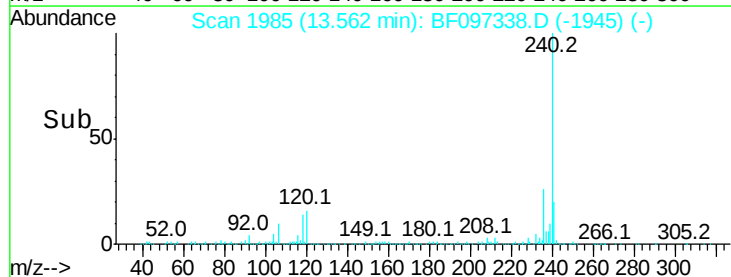
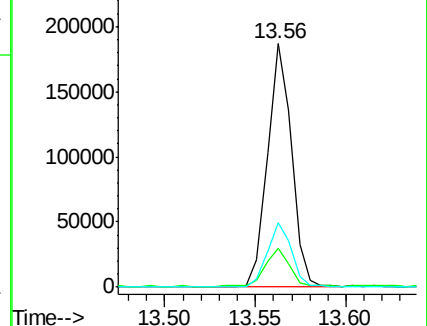
236 26.4 20.5 30.7

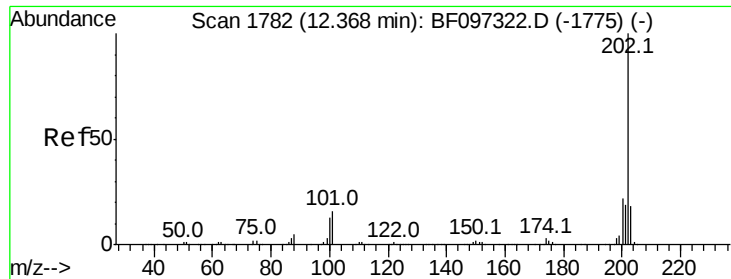


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

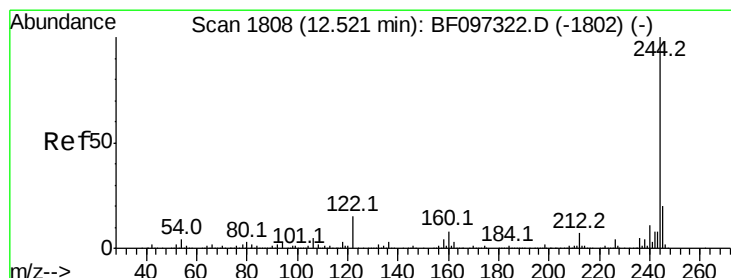
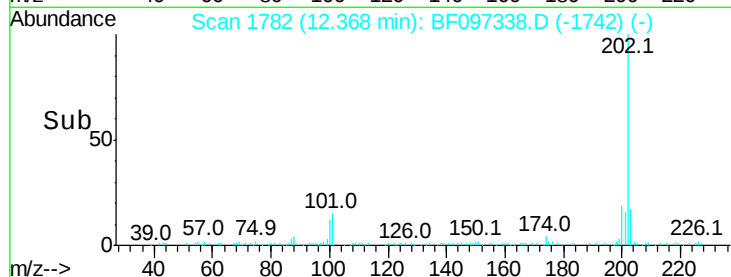
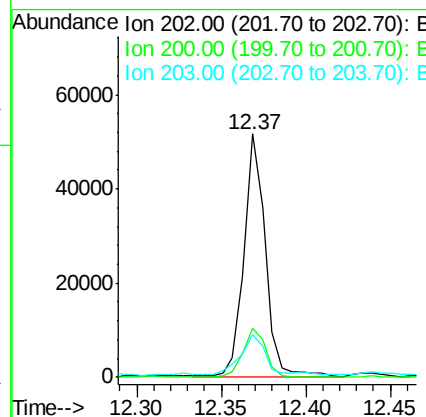
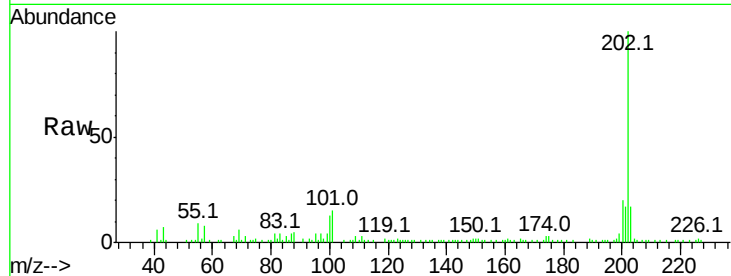




#77
Pvrene
Concen: 3.259 ng
RT: 12.37 min Scan# 1782
Delta R.T. -0.06 min
Lab File: BF097338.D
Acq: 4 Aug 2017 1:16

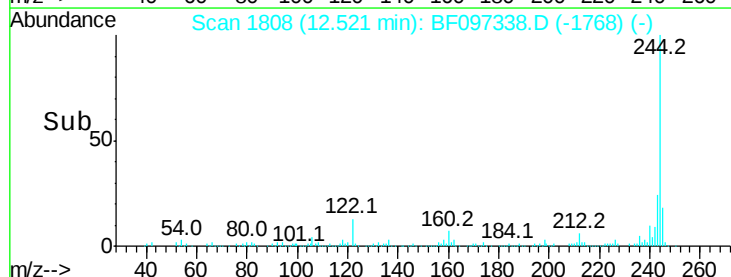
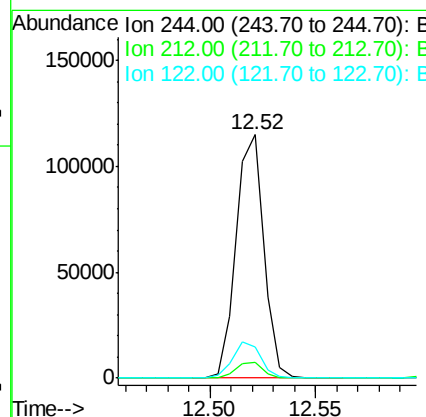
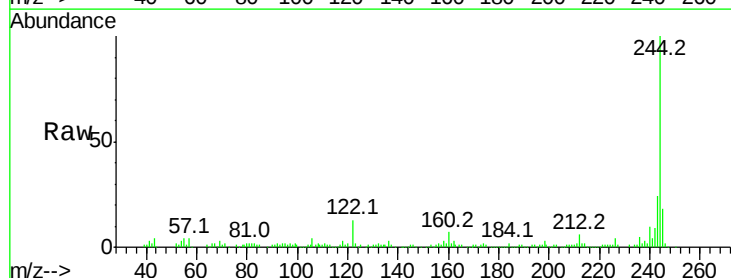
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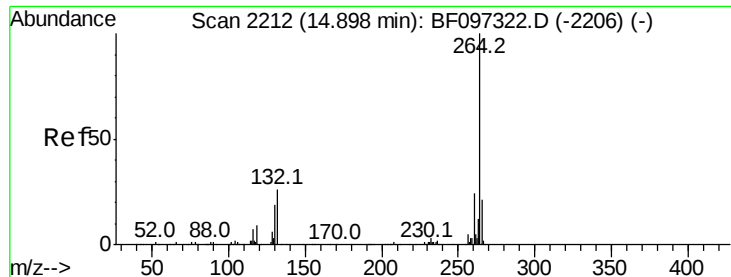
Tot Ion:202 Resp: 46199
Ion Ratio Lower Upper
202 100
200 20.0 17.6 26.4
203 17.3 14.4 21.6



#78
Terphenyl-d14
Concen: 12.196 ng
RT: 12.52 min Scan# 1808
Delta R.T. -0.06 min
Lab File: BF097338.D
Acq: 4 Aug 2017 1:16

Tgt Ion:244 Resp: 103565
Ion Ratio Lower Upper
244 100
212 6.3 6.0 9.0
122 12.9 10.3 15.5

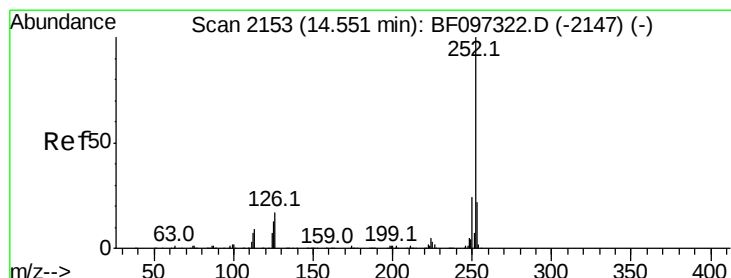
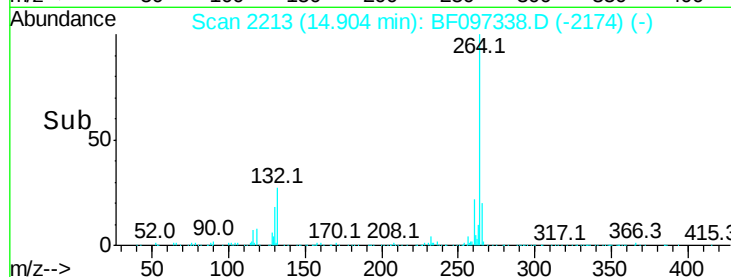
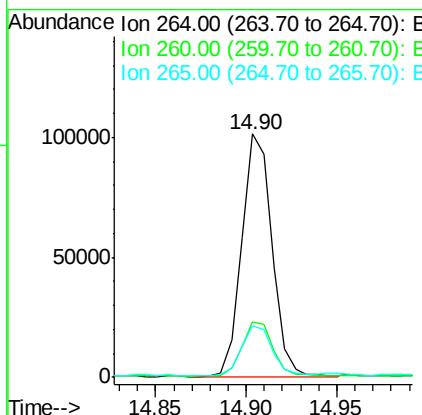
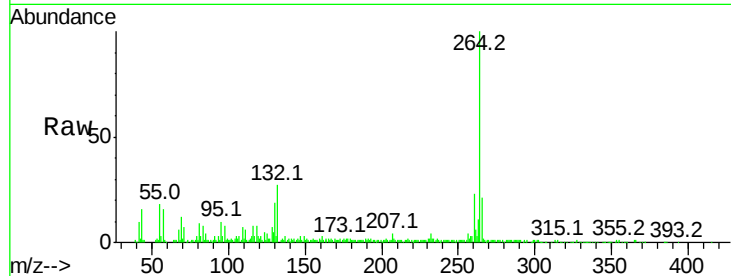




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.90 min Scan# 2213
Delta R.T. -0.07 min
Lab File: BF097338.D
Acq: 4 Aug 2017 1:16

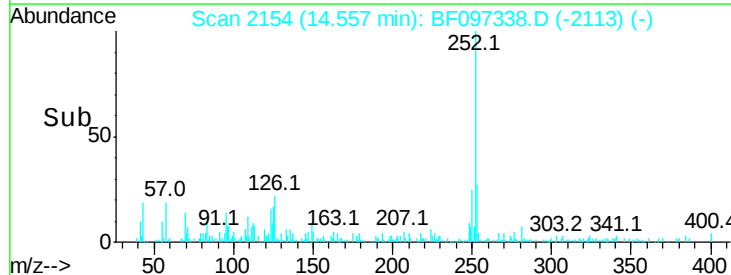
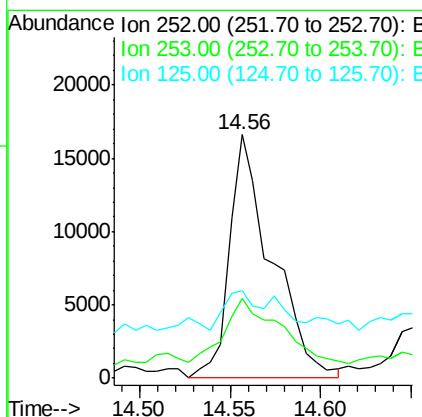
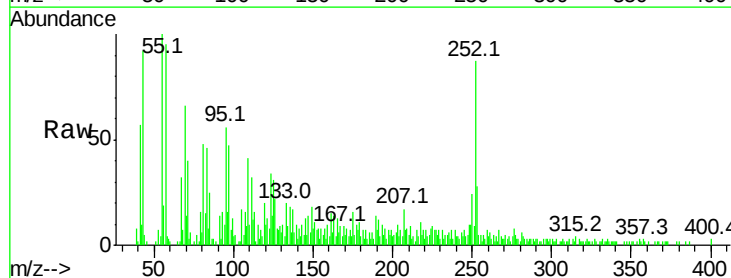
Instrument :
BNA_F
ClientSampleId :
JC-02-080117-G

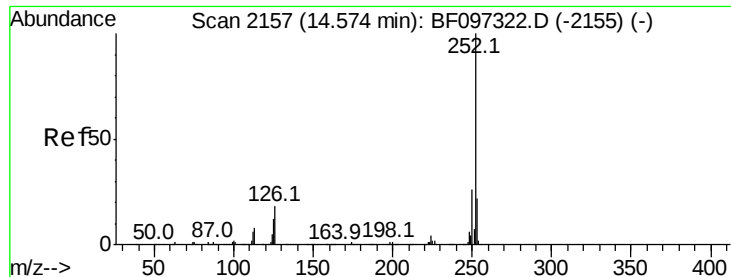
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	21.2	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 3.836 ng
RT: 14.56 min Scan# 2154
Delta R.T. -0.06 min
Lab File: BF097338.D
Acq: 4 Aug 2017 1:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.6	18.1	27.1#
125	36.1	9.8	14.8#

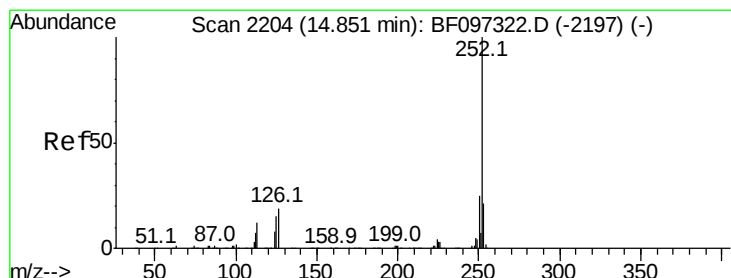
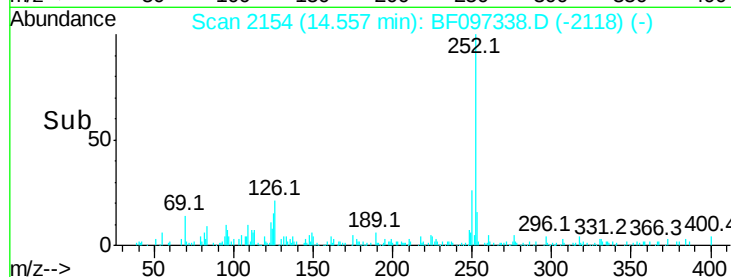
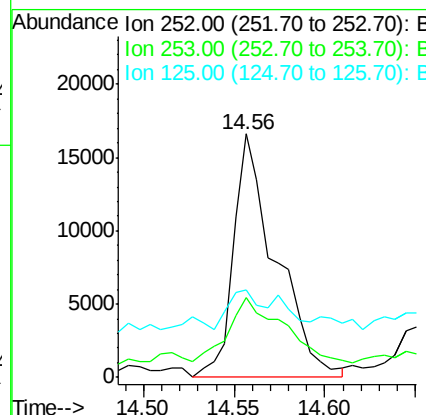
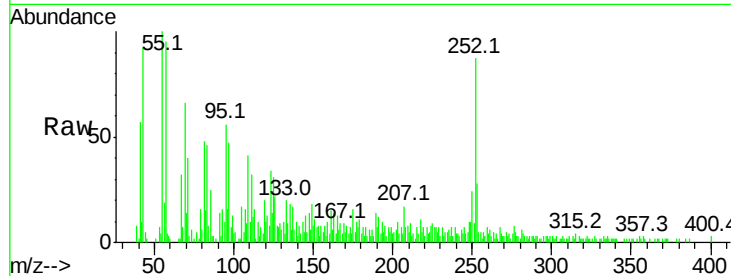




#88
Benzo(k)fluoranthene
Concen: 4.026 ng
RT: 14.56 min Scan# 2154
Delta R.T. -0.09 min
Lab File: BF097338.D
Acq: 4 Aug 2017 1:16

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-G

Tot Ion:252 Resp: 26880
Ion Ratio Lower Upper
252 100
253 32.6 18.4 27.6#
125 36.1 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 2.015 ng
RT: 14.86 min Scan# 2205
Delta R.T. -0.06 min
Lab File: BF097338.D
Acq: 4 Aug 2017 1:16

Tgt Ion:252 Resp: 12922
Ion Ratio Lower Upper
252 100
253 27.8 17.5 26.3#
125 40.6 11.0 16.4#

