

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\
 Data File : BF097119.D
 Acq On : 27 Jul 2017 13:43
 Operator : SJ/JU
 Sample : I4415-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-072417RE

Quant Time: Jul 27 15:53:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

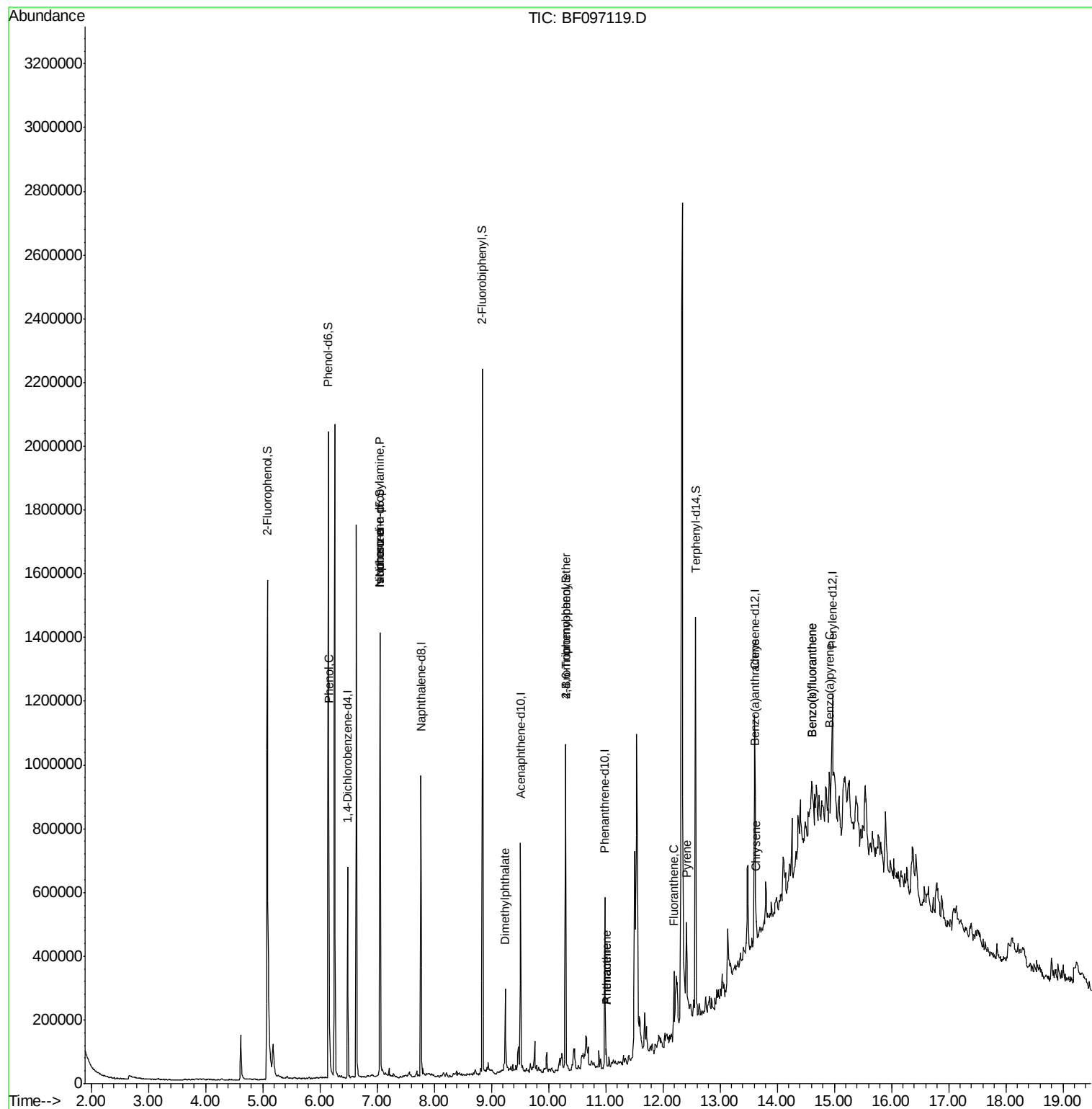
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	92326	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	376076	20.00	ng	-0.02
38) Acenaphthene-d10	9.51	164	130258	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	184874	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	207777	20.00	ng	-0.02
86) Perylene-d12	14.97	264	158396	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	583051	95.20	ng	-0.02
7) Phenol-d6	6.15	99	701153	100.28	ng	-0.02
23) Nitrobenzene-d5	7.05	82	425191	66.33	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	101400	98.53	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	651772	84.92	ng	-0.02
78) Terphenyl-d14	12.57	244	419930	41.21	ng	-0.01
Target Compounds						
10) Phenol	6.16	94	26671	3.216	ng	99
19) n-Nitroso-di-n-propylamine	7.05	70	55942	12.155	ng	# 83
25) Isophorone	7.05	82	421632	33.584	ng	# 67
49) Dimethylphthalate	9.25	163	87503	8.846	ng	99
66) 4-Bromophenyl-phenylether	10.30	248	6909	3.745	ng	# 1
70) Phenanthrene	11.01	178	20956	2.116	ng	98
71) Anthracene	11.01	178	20956	2.066	ng	99
74) Fluoranthene	12.19	202	70040	7.218	ng	98
77) Pyrene	12.42	202	83716	4.922	ng	96
80) Benzo(a)anthracene	13.60	228	38873	2.891	ng	# 85
82) Chrysene	13.63	228	41171	3.136	ng	# 91
87) Benzo(b)fluoranthene	14.60	252	52607	5.525	ng	# 64
88) Benzo(k)fluoranthene	14.60	252	52607	5.798	ng	# 69
89) Benzo(a)pyrene	14.92	252	25077	2.878	ng	# 58

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

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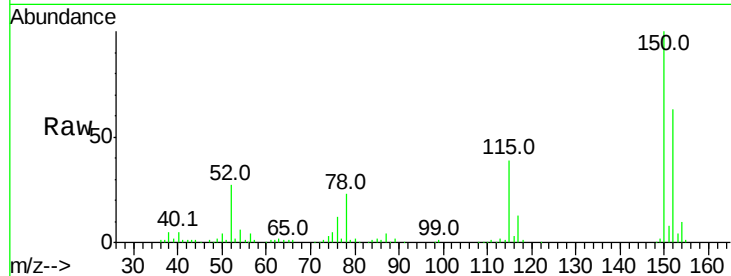


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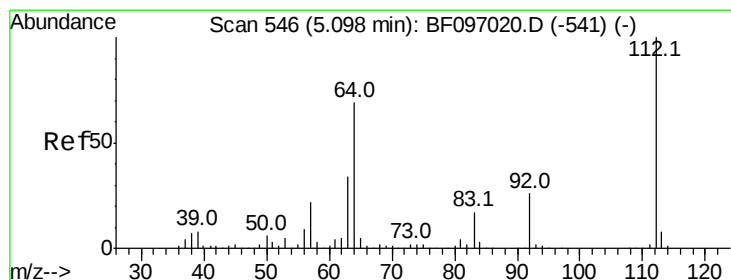
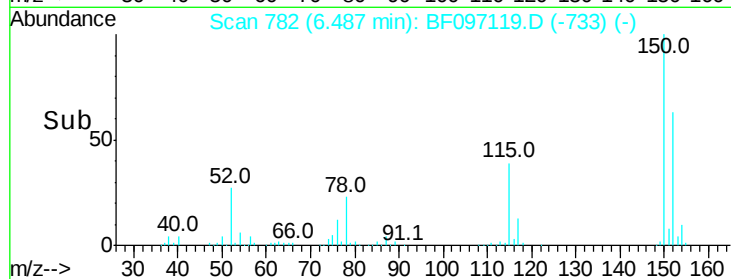
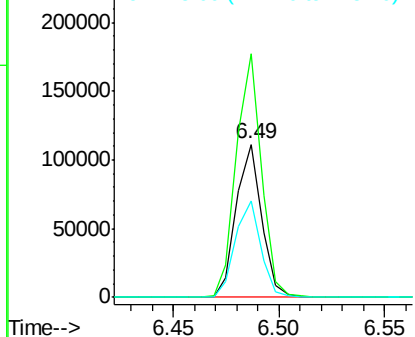
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.49 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF097119.D
 Acq: 27 Jul 2017 13:43

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-072417RE

Tot Ion:152 Resp: 92326
 Ion Ratio Lower Upper
 152 100
 150 159.4 126.2 189.2
 115 62.7 52.2 78.2



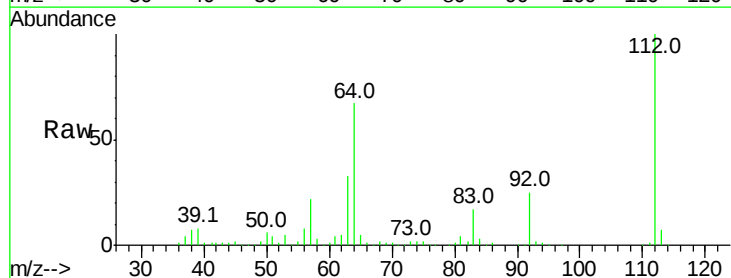
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



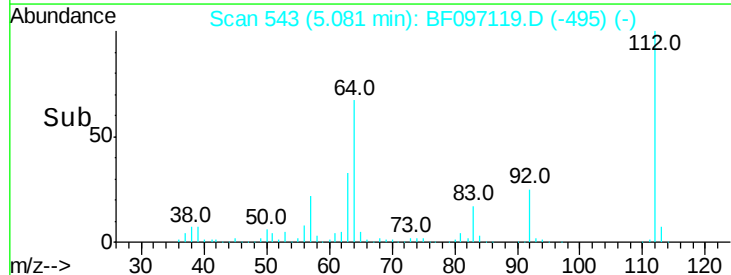
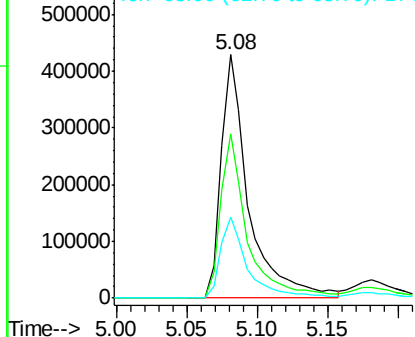
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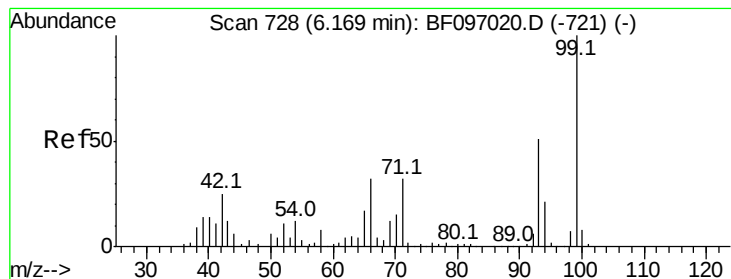
2-Fluorophenol
 Concen: 95.200 ng
 RT: 5.08 min Scan# 543
 Delta R.T. -0.02 min
 Lab File: BF097119.D
 Acq: 27 Jul 2017 13:43

Tgt Ion:112 Resp: 583051
 Ion Ratio Lower Upper
 112 100
 64 67.4 46.0 69.0
 63 33.2 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: 100.282 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097119.D

Acq: 27 Jul 2017 13:43

Instrument :

BNA_F

ClientSampleId :

SU-02-072417RE

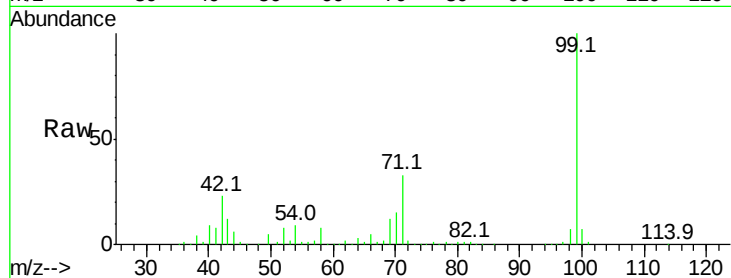
Tot Ion: 99 Resp: 701153

Ion Ratio Lower Upper

99 100

42 23.3 13.5 20.3#

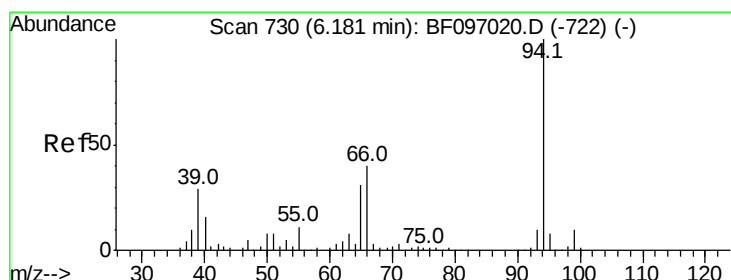
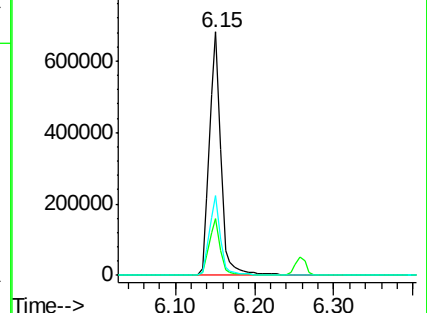
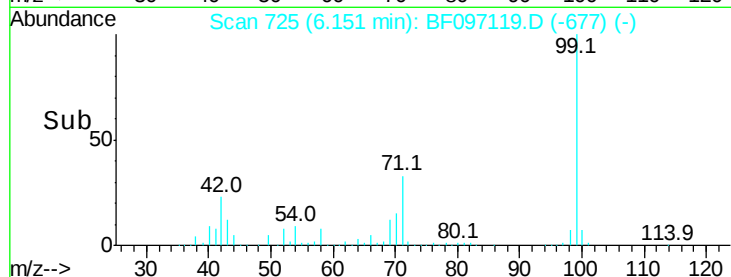
71 32.8 24.5 36.7



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



#10

Phenol

Concen: 3.216 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF097119.D

Acq: 27 Jul 2017 13:43

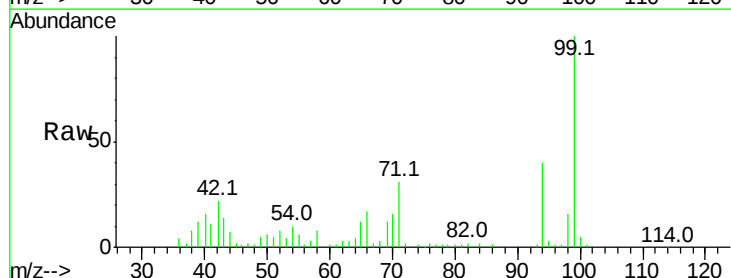
Tgt Ion: 94 Resp: 26671

Ion Ratio Lower Upper

94 100

65 30.5 9.9 49.9

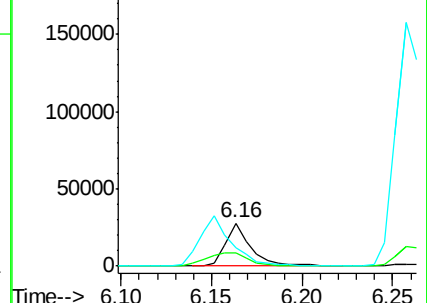
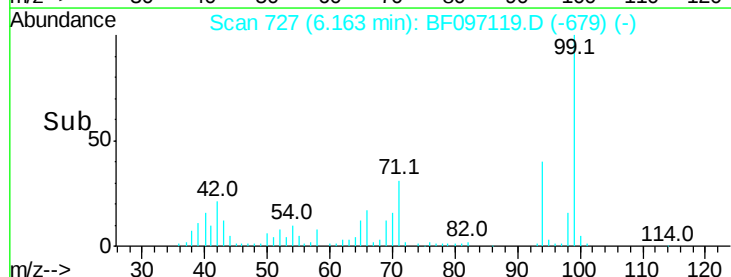
66 43.8 23.1 63.1

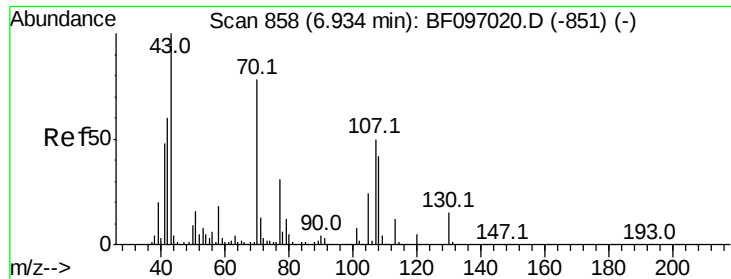


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

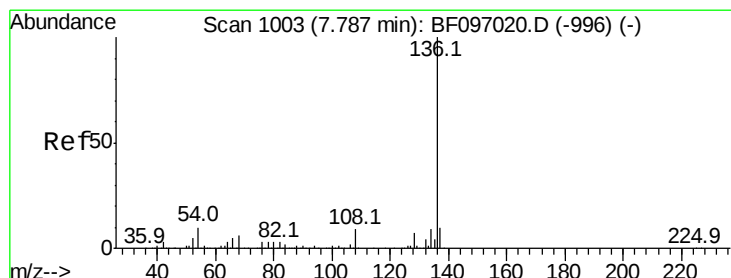
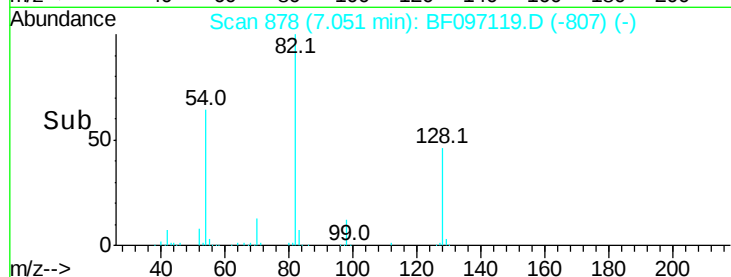
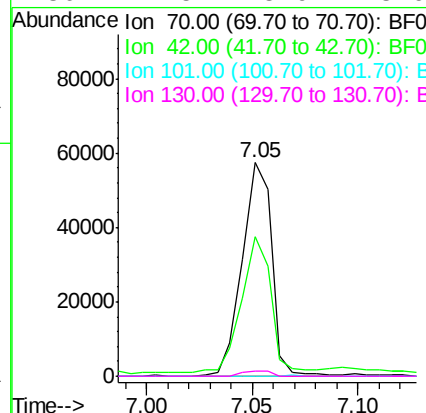
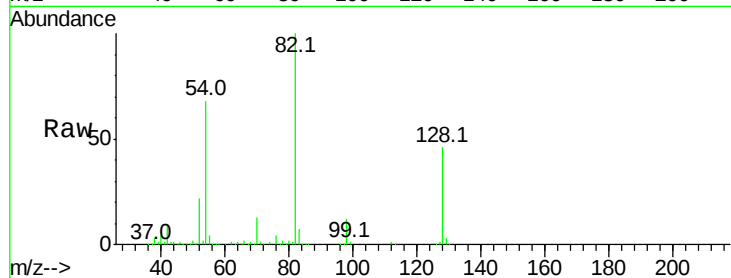




#19
n-Nitroso-di-n-propylamine
Concen: 12.155 ng
RT: 7.05 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF097119.D
Acq: 27 Jul 2017 13:43

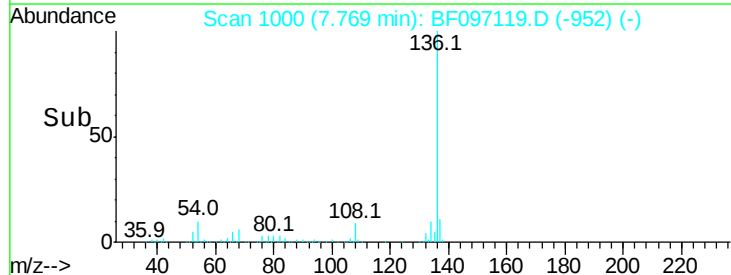
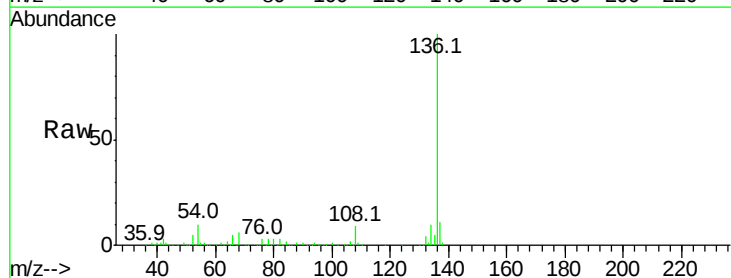
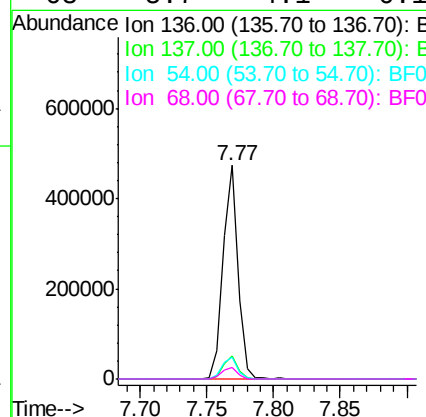
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SU-02-072417RE

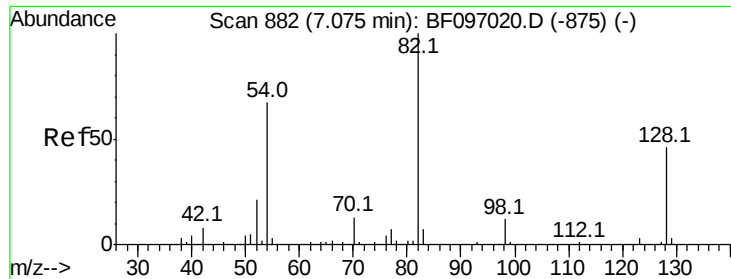
Tot Ion: 70 Resp: 55942
Ion Ratio Lower Upper
70 100
42 65.6 47.2 70.8
101 0.0 7.2 10.8#
130 2.5 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097119.D
Acq: 27 Jul 2017 13:43

Tgt Ion:136 Resp: 376076
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 10.5 4.9 7.3#
68 5.7 4.1 6.1

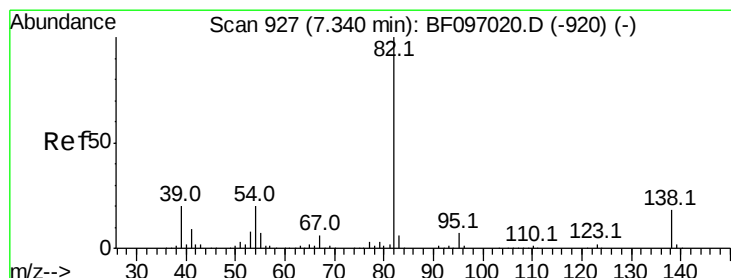
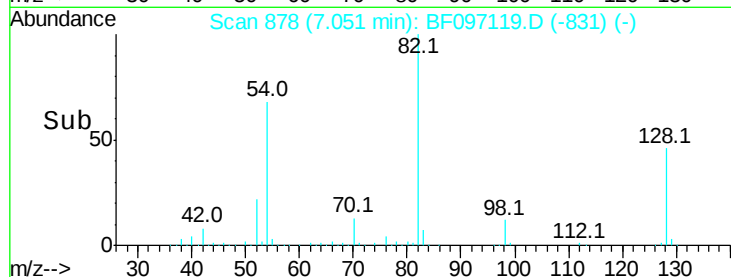
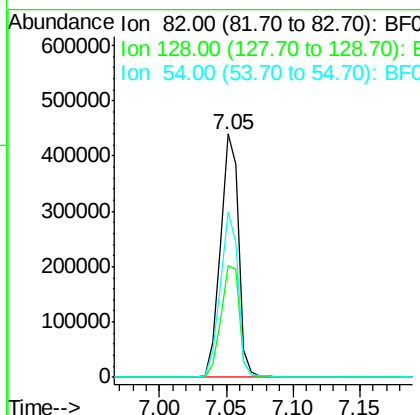
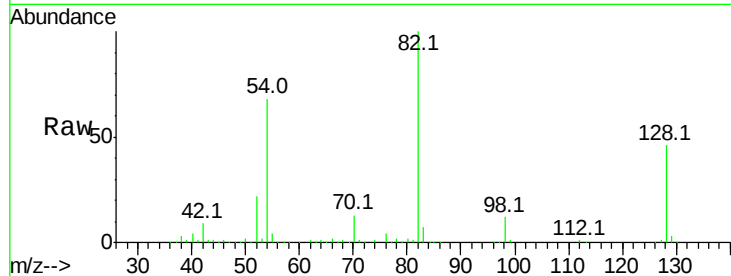




#23
 Nitrobenzene-d5
 Concen: 66.325 ng
 RT: 7.05 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: BF097119.D
 Acq: 27 Jul 2017 13:43

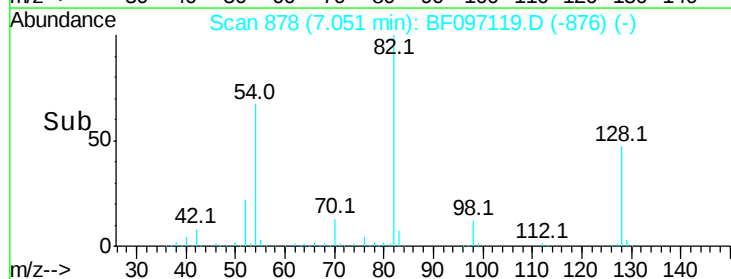
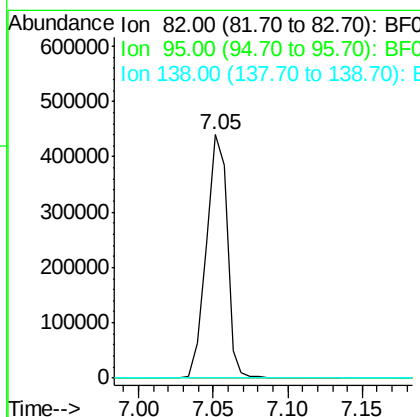
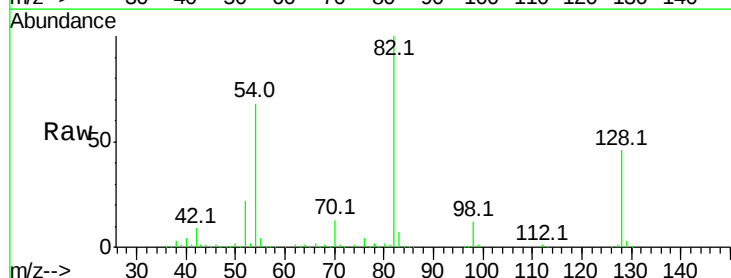
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 SU-02-072417RE

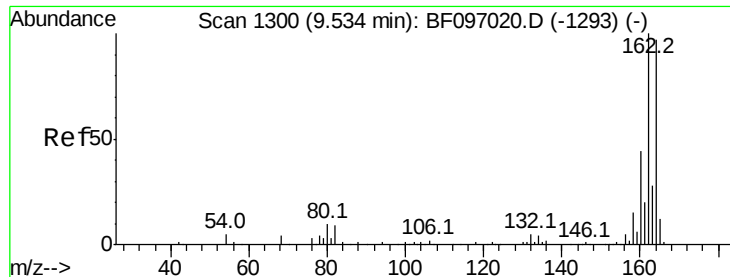
Tot Ion: 82 Resp: 425191
 Ion Ratio Lower Upper
 82 100
 128 45.7 34.0 51.0
 54 68.0 42.2 63.2#



#25
 Isophorone
 Concen: 33.584 ng
 RT: 7.05 min Scan# 878
 Delta R.T. -0.29 min
 Lab File: BF097119.D
 Acq: 27 Jul 2017 13:43

Tgt Ion: 82 Resp: 421632
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

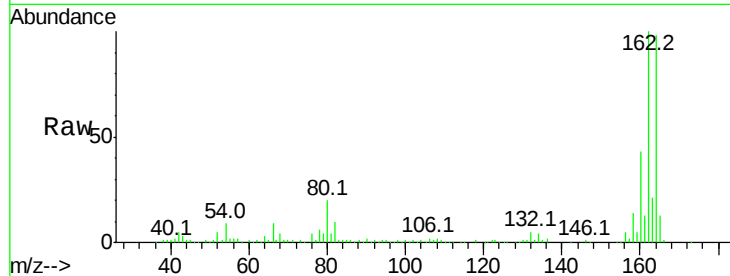




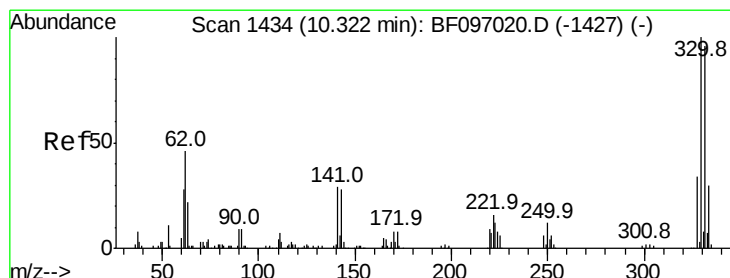
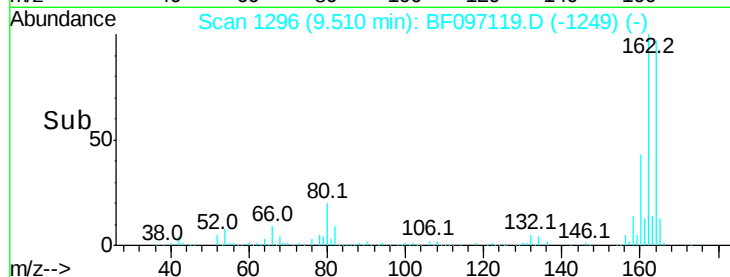
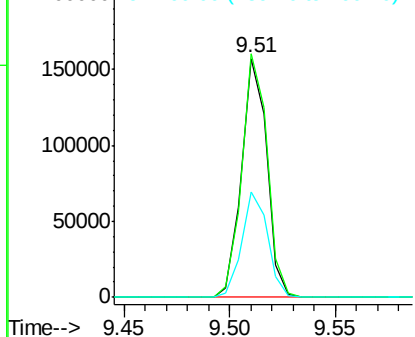
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BF097119.D
 Acq: 27 Jul 2017 13:43

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-072417RE

Tot Ion:164 Resp: 130258
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.6 123.8
 160 44.1 36.2 54.2

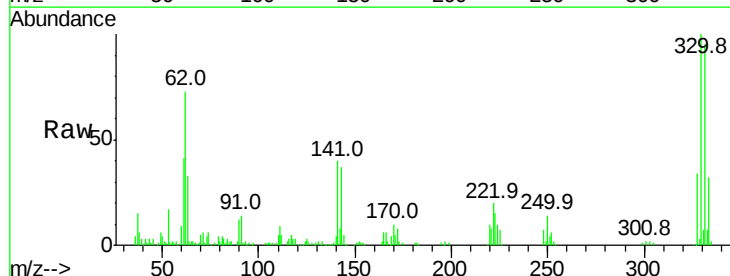


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

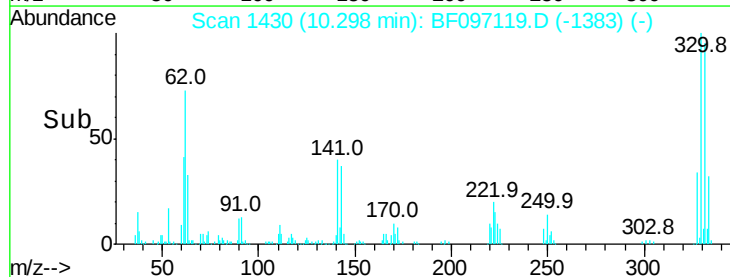
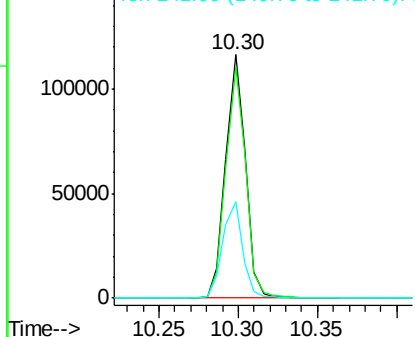


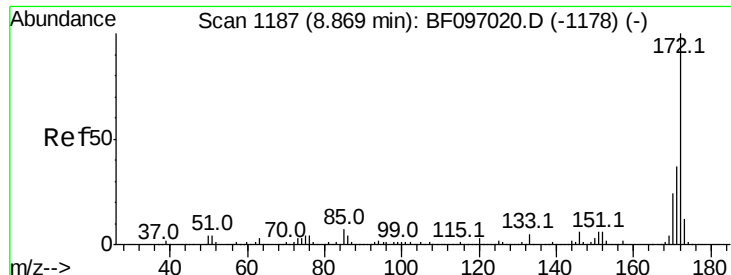
#41
 2,4,6-Tribromophenol
 Concen: 98.527 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097119.D
 Acq: 27 Jul 2017 13:43

Tgt Ion:330 Resp: 101400
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.6 115.0
 141 40.9 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

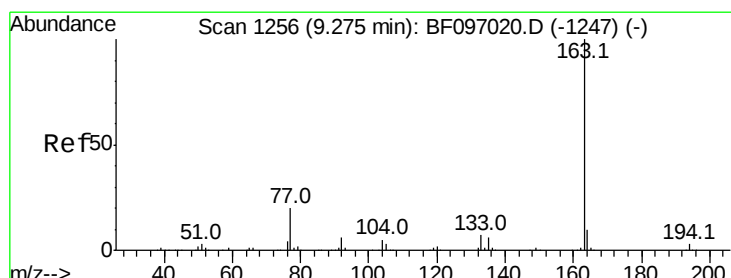
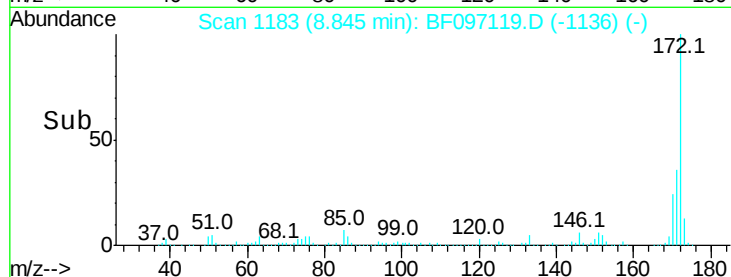
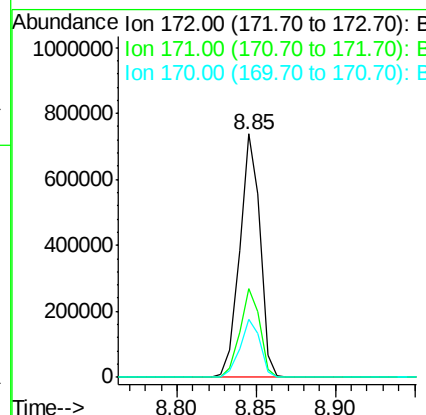
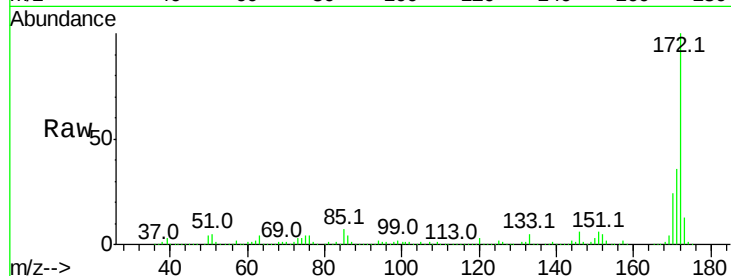




#44
 2-Fluorobiphenyl
 Concen: 84.918 ng
 RT: 8.85 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF097119.D
 Acq: 27 Jul 2017 13:43

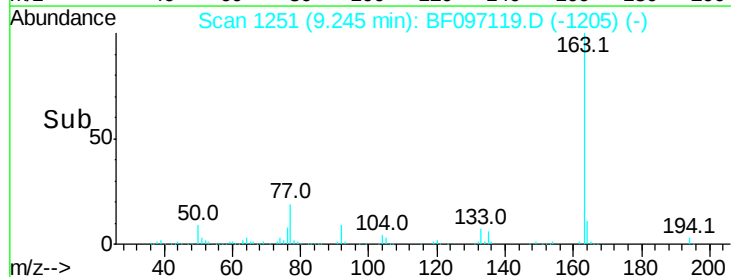
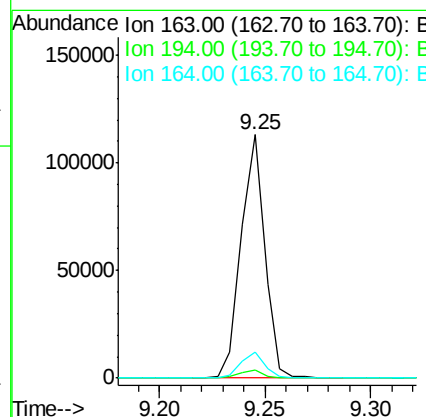
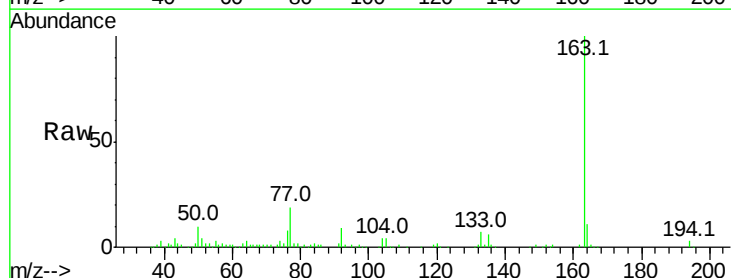
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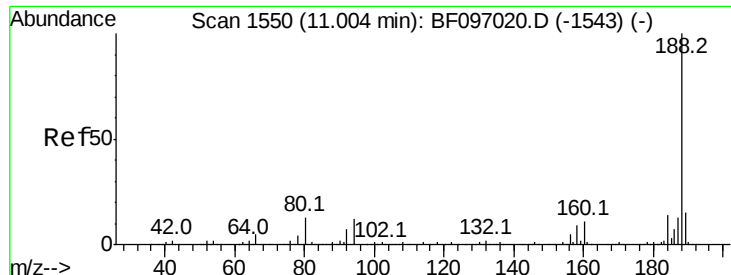
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.6	19.8	29.8



#49
 Dimethylphthalate
 Concen: 8.846 ng
 RT: 9.25 min Scan# 1251
 Delta R.T. -0.03 min
 Lab File: BF097119.D
 Acq: 27 Jul 2017 13:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	10.9	8.4	12.6

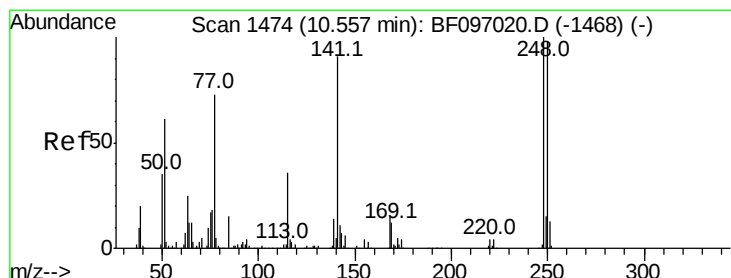
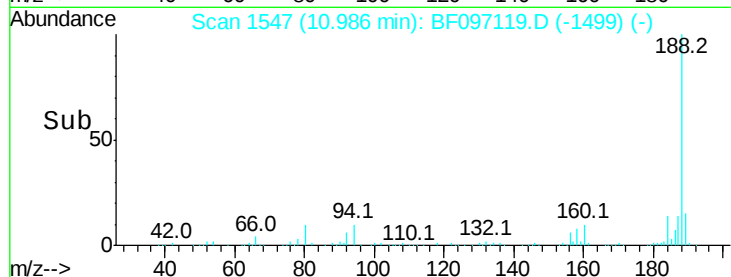
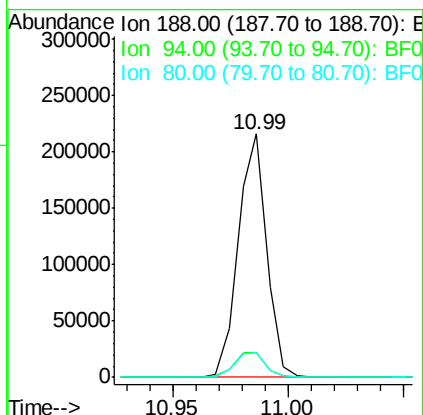
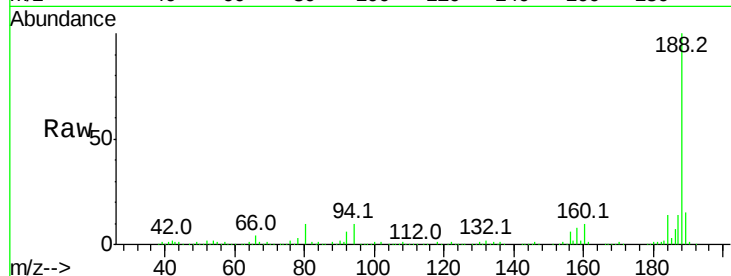




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF097119.D
 Acq: 27 Jul 2017 13:43

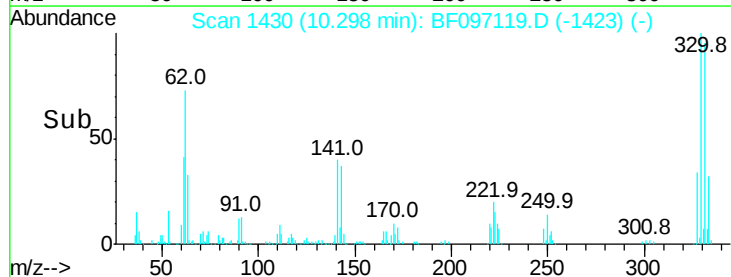
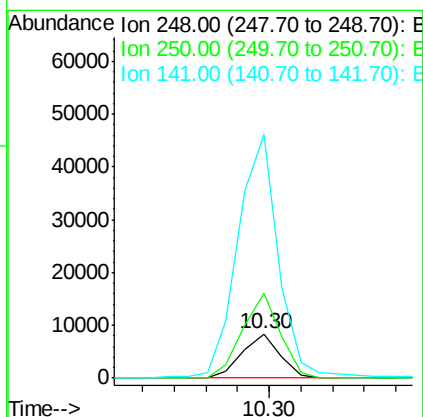
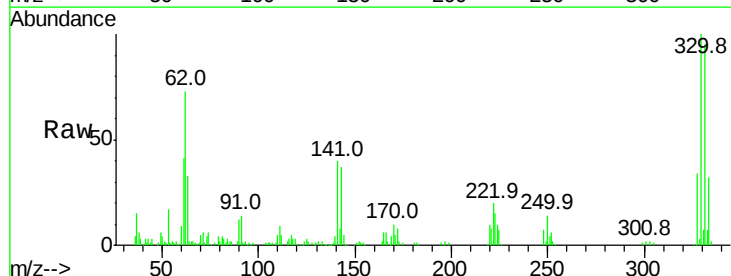
Instrument :
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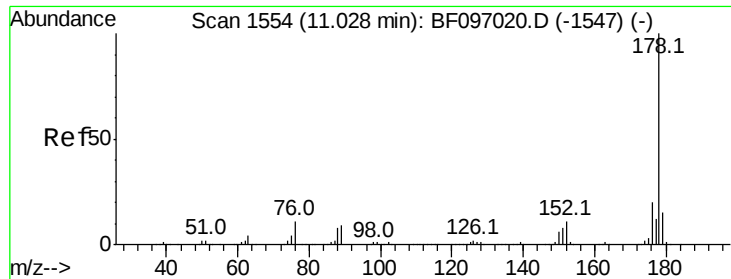
Tot Ion:188 Resp: 184874
 Ion Ratio Lower Upper
 188 100
 94 10.1 9.4 14.2
 80 10.0 10.2 15.2#



#66
 4-Bromophenyl-phenylether
 Concen: 3.745 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.26 min
 Lab File: BF097119.D
 Acq: 27 Jul 2017 13:43

Tgt Ion:248 Resp: 6909
 Ion Ratio Lower Upper
 248 100
 250 193.2 76.8 115.2#
 141 553.3 68.6 103.0#

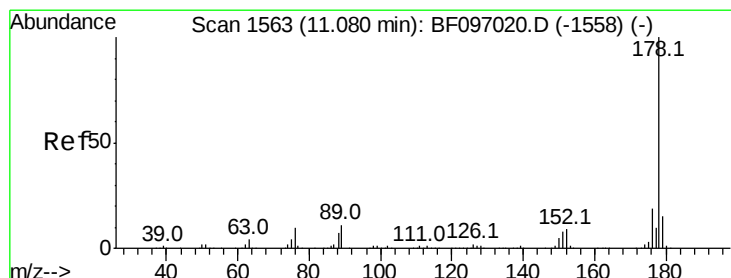
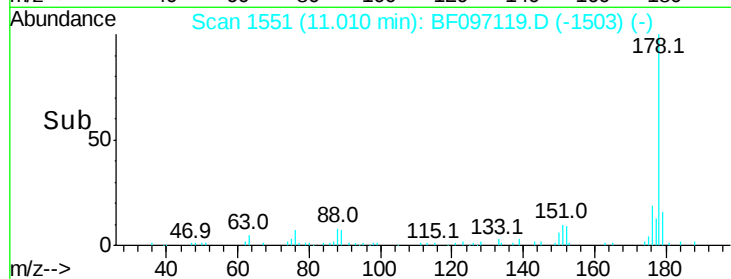
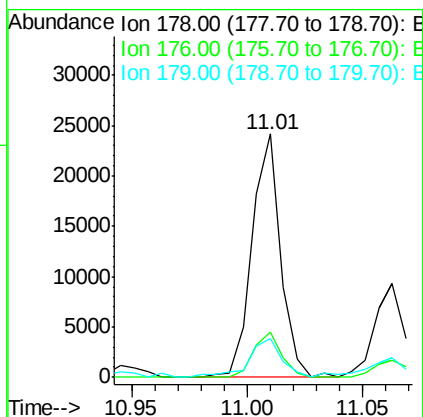
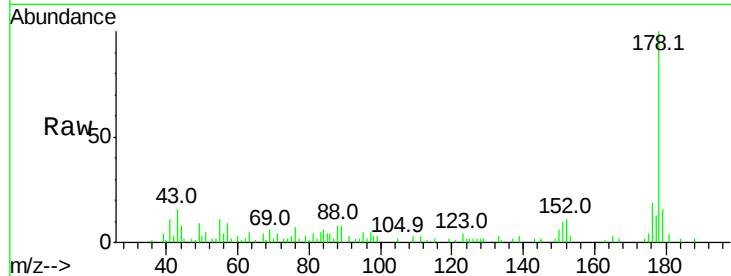




#70
 Phenanthrene
 Concen: 2.116 ng
 RT: 11.01 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF097119.D
 Acq: 27 Jul 2017 13:43

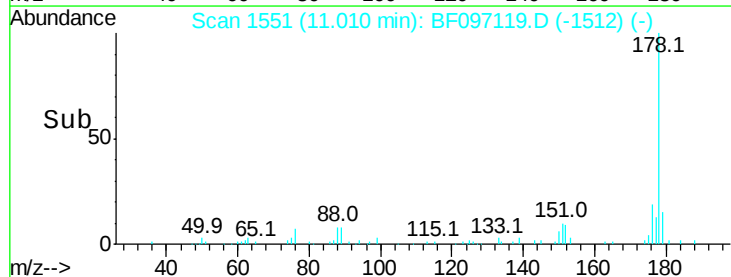
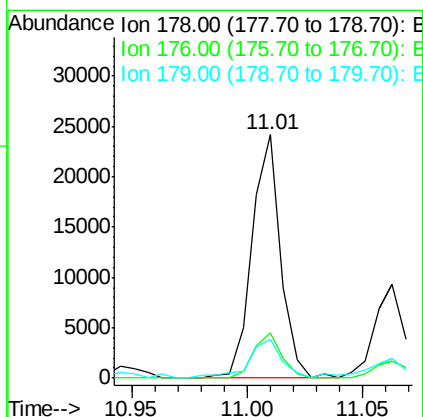
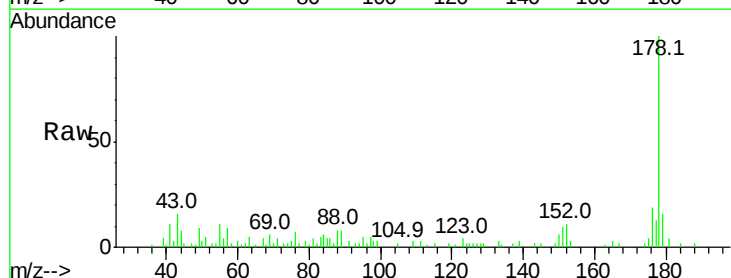
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-072417RE

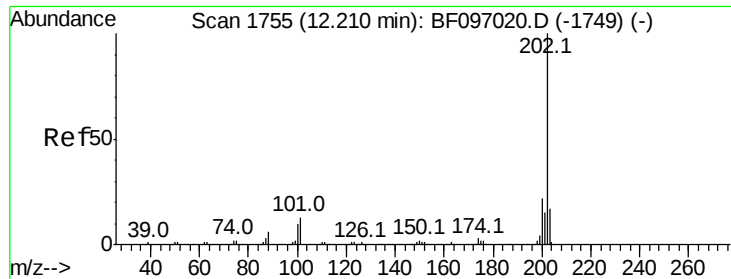
Tot Ion:178 Resp: 20956
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.2 24.4
 179 15.8 12.6 19.0



#71
 Anthracene
 Concen: 2.066 ng
 RT: 11.01 min Scan# 1551
 Delta R.T. -0.07 min
 Lab File: BF097119.D
 Acq: 27 Jul 2017 13:43

Tgt Ion:178 Resp: 20956
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 15.8 12.7 19.1





#74

Fluoranthene

Concen: 7.218 ng

RT: 12.19 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF097119.D

Acq: 27 Jul 2017 13:43

Instrument :

BNA_F

ClientSampleId :

SU-02-072417RE

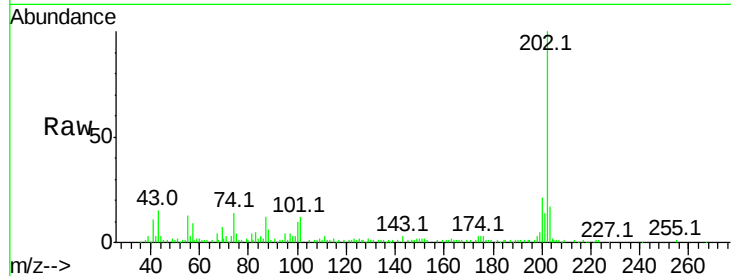
Tot Ion:202 Resp: 70040

Ion Ratio Lower Upper

202 100

101 11.8 0.0 33.2

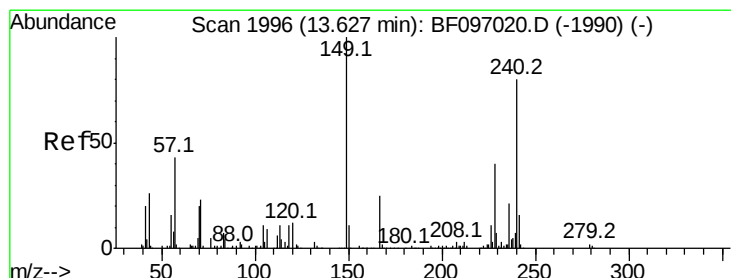
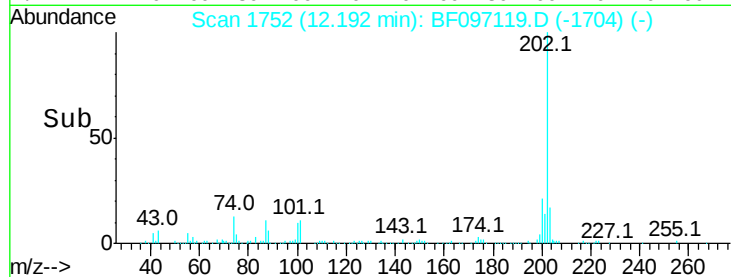
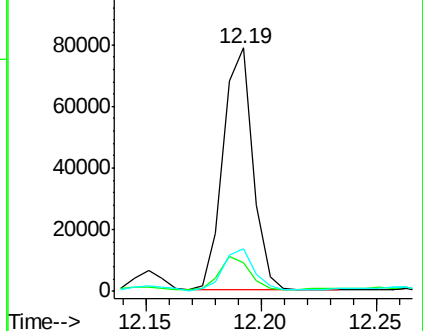
203 17.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097119.D

Acq: 27 Jul 2017 13:43

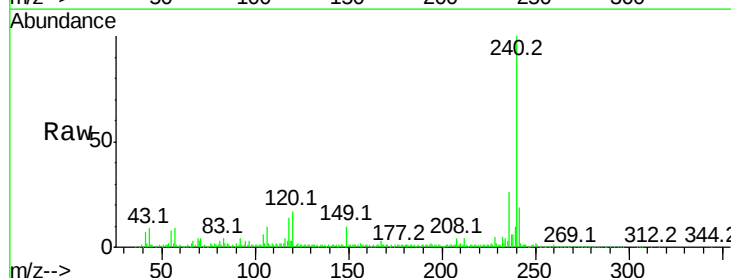
Tgt Ion:240 Resp: 207777

Ion Ratio Lower Upper

240 100

120 17.1 5.8 8.8#

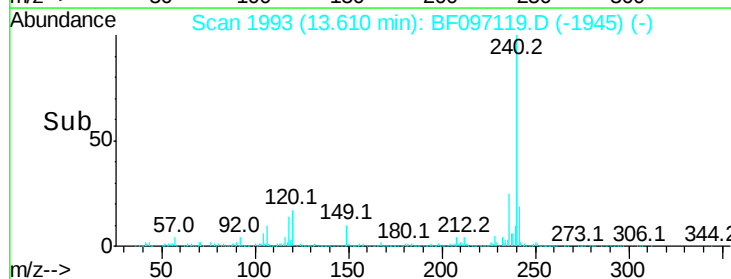
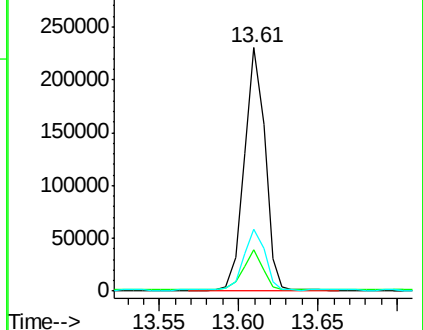
236 25.5 20.5 30.7

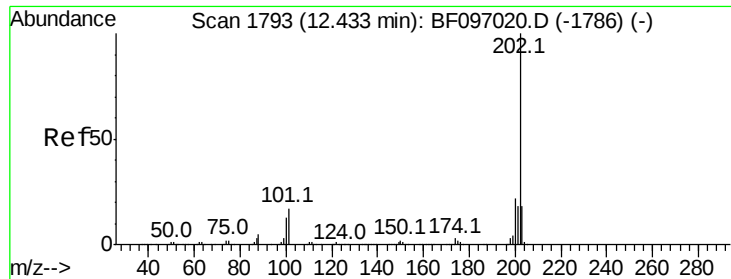


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.922 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097119.D

Acq: 27 Jul 2017 13:43

Instrument :

BNA_F

ClientSampleId :

SU-02-072417RE

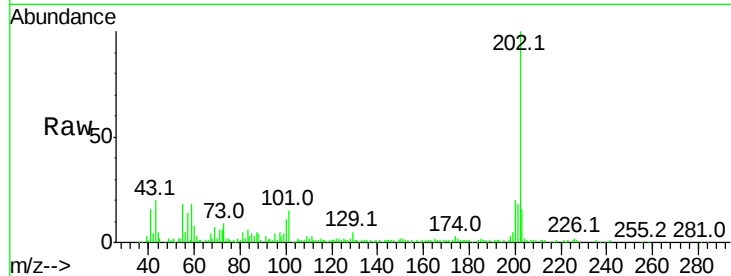
Tot Ion:202 Resp: 83716

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

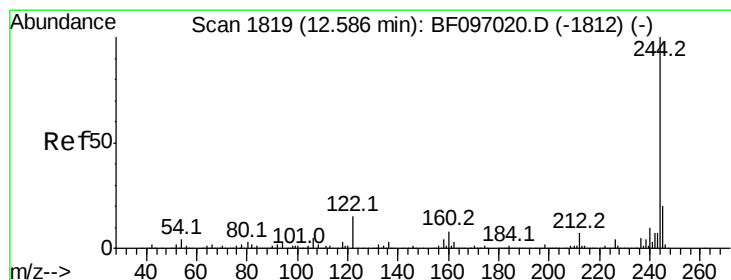
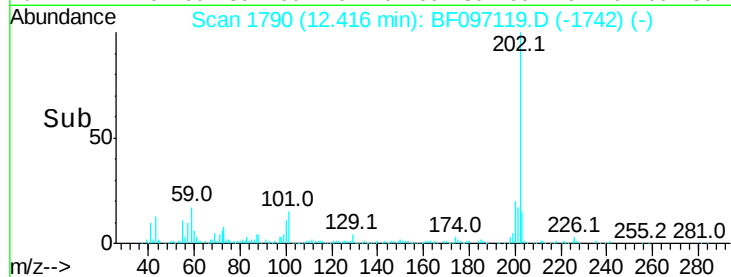
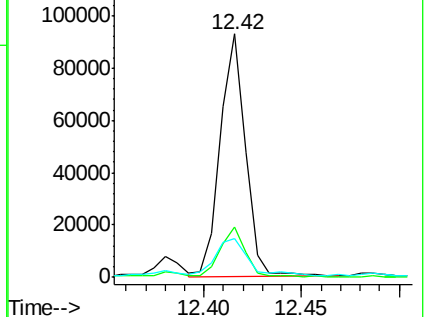
203 15.9 14.4 21.6



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



#78

Terphenyl-d14

Concen: 41.206 ng

RT: 12.57 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF097119.D

Acq: 27 Jul 2017 13:43

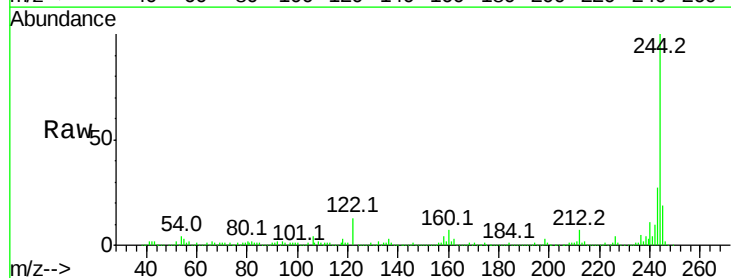
Tgt Ion:244 Resp: 419930

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

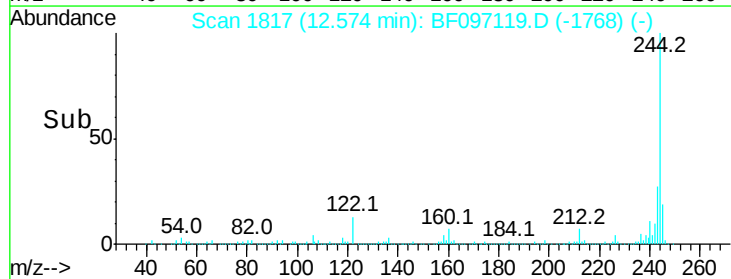
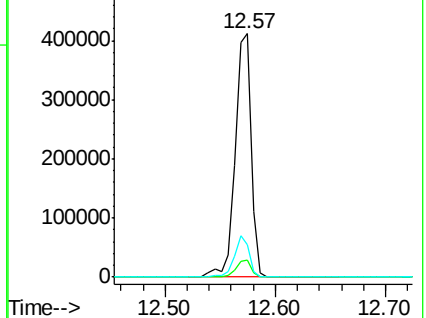
122 13.3 10.3 15.5

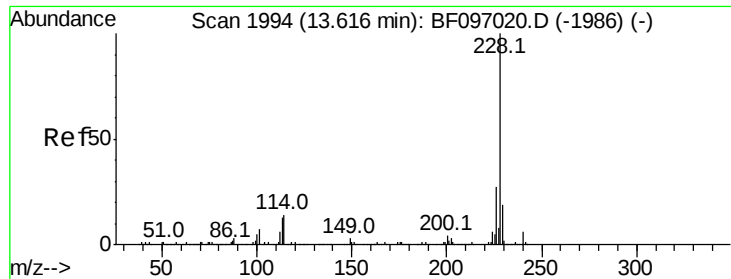


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

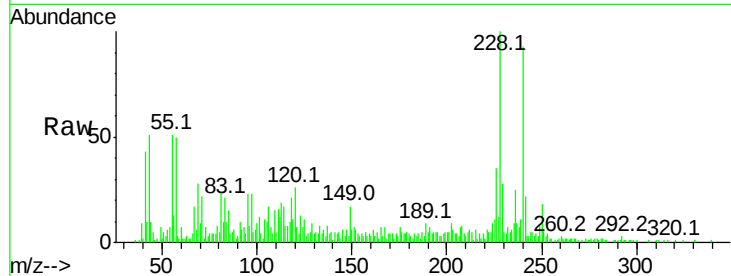




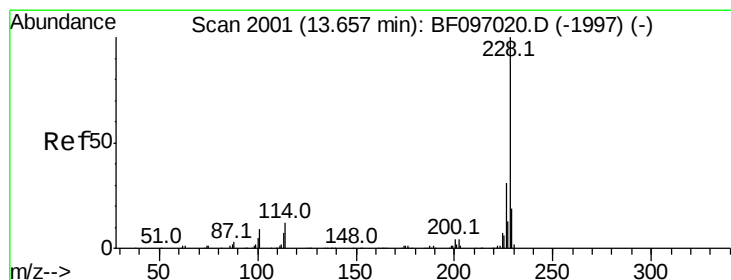
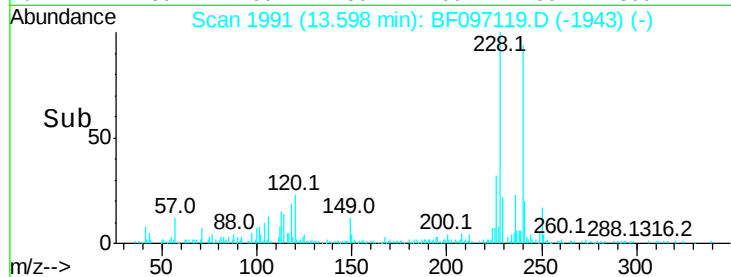
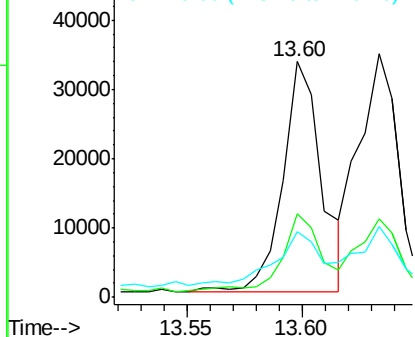
#80
Benzo(a)anthracene
Concen: 2.891 ng
RT: 13.60 min Scan# 1991
Delta R.T. -0.02 min
Lab File: BF097119.D
Acq: 27 Jul 2017 13:43

Instrument :
BNA_F
ClientSampleId :
SU-02-072417RE

Tot Ion:228 Resp: 38873
Ion Ratio Lower Upper
228 100
226 35.3 22.6 33.8#
229 28.0 16.3 24.5#

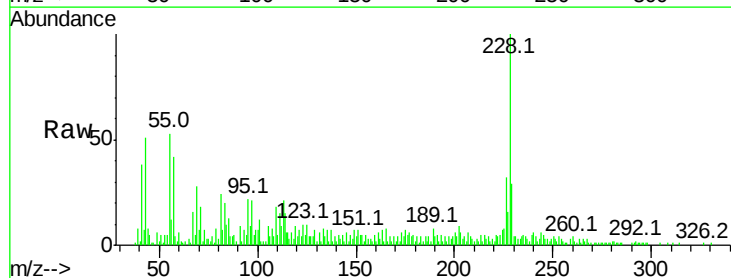


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

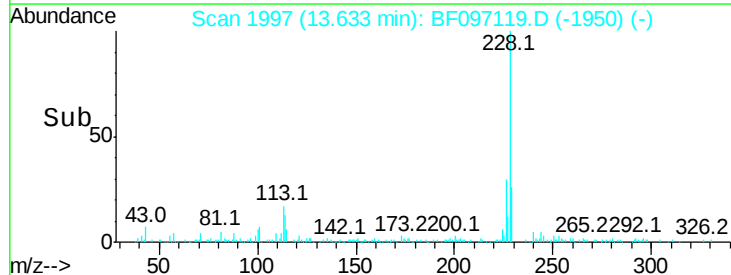
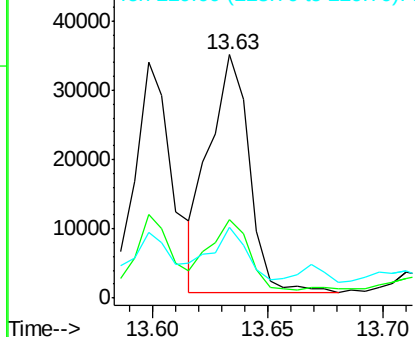


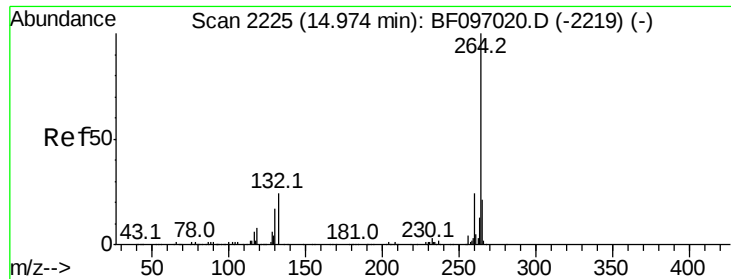
#82
Chrysene
Concen: 3.136 ng
RT: 13.63 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BF097119.D
Acq: 27 Jul 2017 13:43

Tgt Ion:228 Resp: 41171
Ion Ratio Lower Upper
228 100
226 32.3 24.9 37.3
229 29.1 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

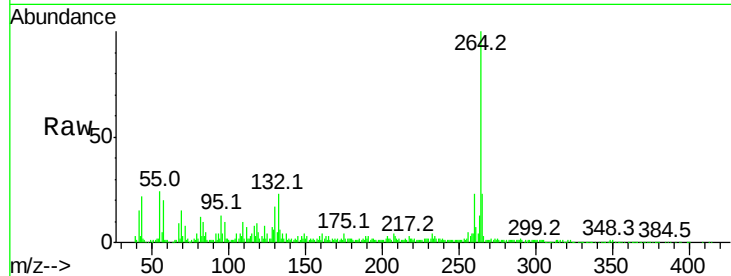




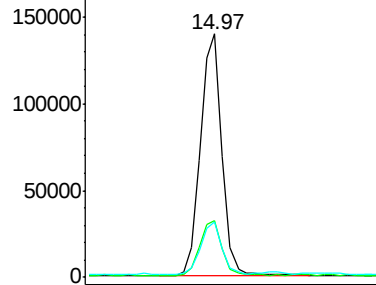
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.97 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF097119.D
Acq: 27 Jul 2017 13:43

Instrument :
BNA_F
ClientSampleId :
SU-02-072417RE

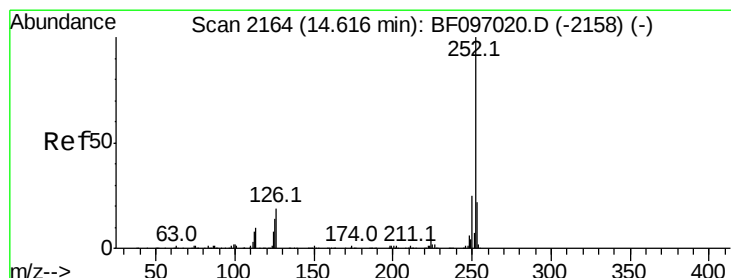
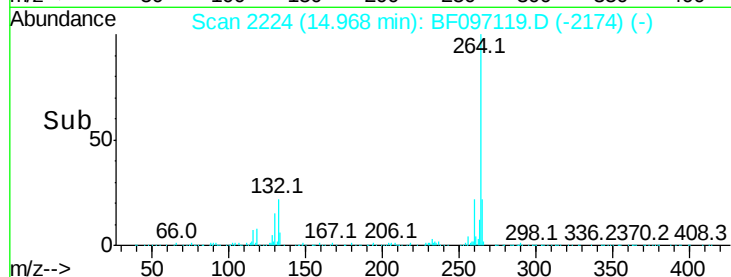
Tot Ion:264 Resp: 158396
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 23.0 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

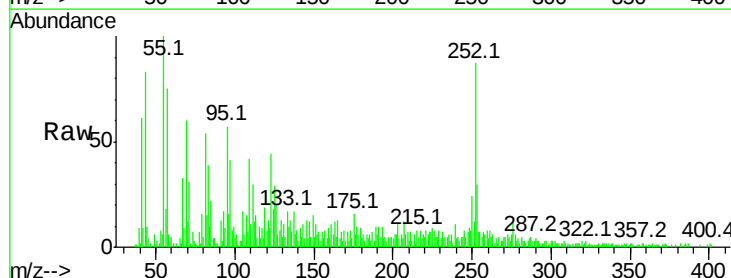


Time-->

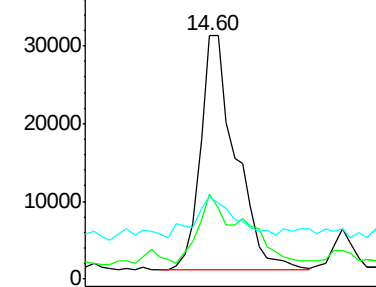


#87
Benzo(b)fluoranthene
Concen: 5.525 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097119.D
Acq: 27 Jul 2017 13:43

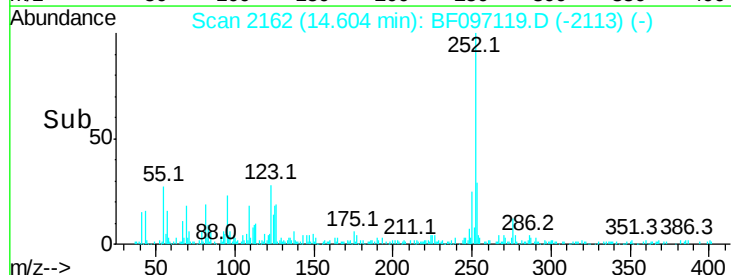
Tgt Ion:252 Resp: 52607
Ion Ratio Lower Upper
252 100
253 34.8 18.1 27.1#
125 33.6 9.8 14.8#

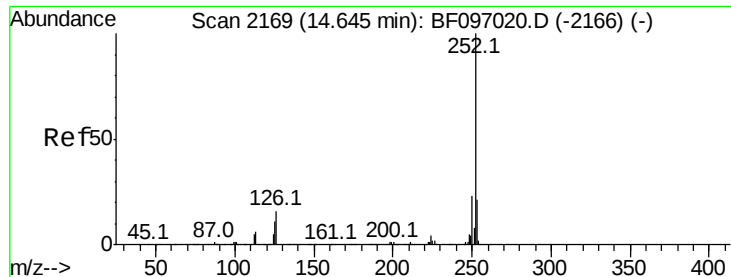


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->

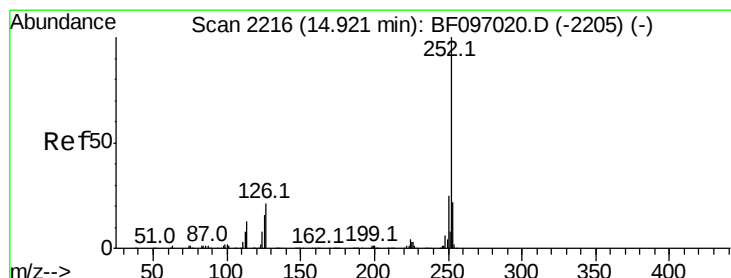
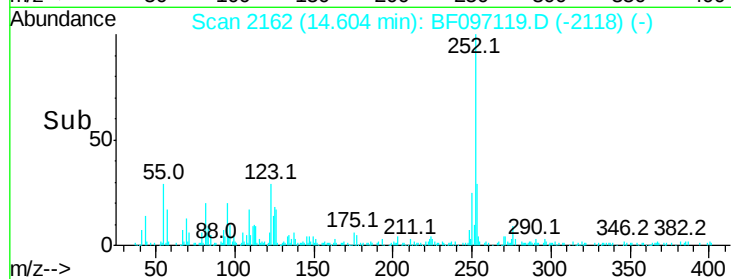
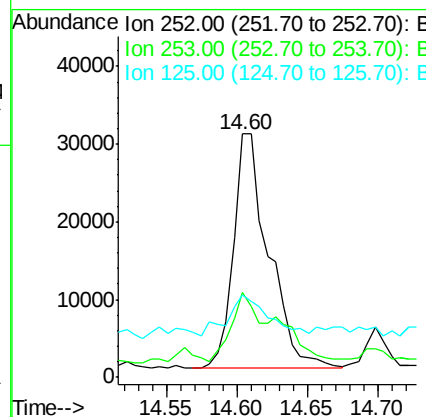
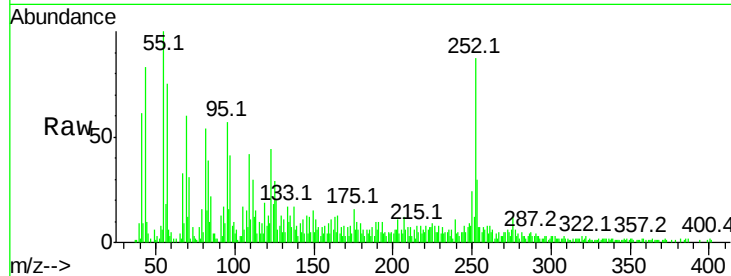




#88
 Benzo(k)fluoranthene
 Concen: 5.798 ng
 RT: 14.60 min Scan# 2162
 Delta R.T. -0.04 min
 Lab File: BF097119.D
 Acq: 27 Jul 2017 13:43

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-072417RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.8	18.4	27.6#
125	33.6	13.1	19.7#



#89
 Benzo(a)pyrene
 Concen: 2.878 ng
 RT: 14.92 min Scan# 2215
 Delta R.T. -0.01 min
 Lab File: BF097119.D
 Acq: 27 Jul 2017 13:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.2	17.5	26.3#
125	42.6	11.0	16.4#

