

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097226.D
 Acq On : 1 Aug 2017 12:15
 Operator : SJ/JU
 Sample : I4471-23
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-K6-WSW

Quant Time: Aug 01 14:58:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 01 14:57:42 2017
 Response via : Initial Calibration

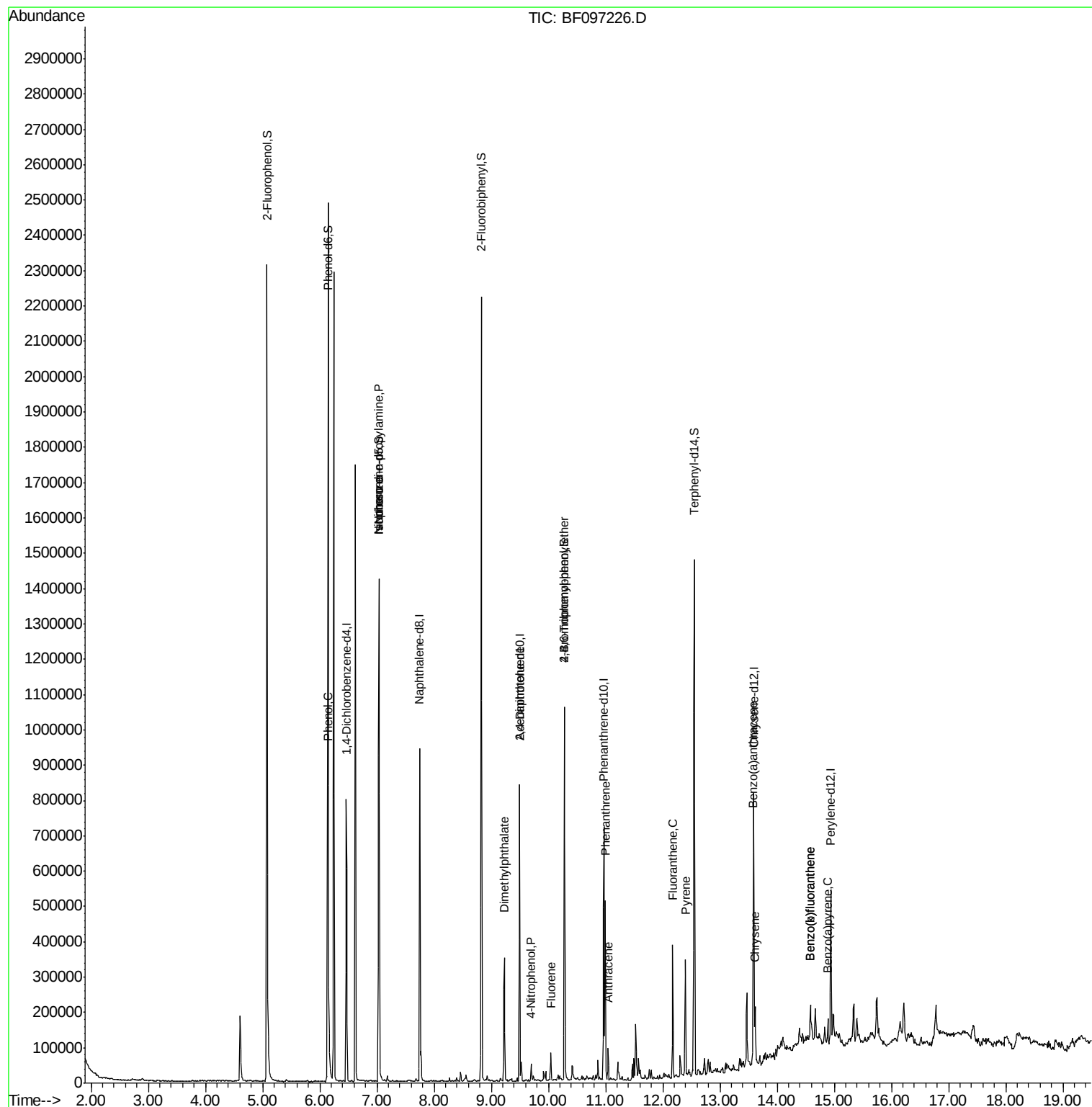
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	112595	20.00	ng	0.00
21) Naphthalene-d8	7.75	136	448687	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	153749	20.00	ng	0.00
63) Phenanthrene-d10	10.97	188	231289	20.00	ng	0.00
75) Chrysene-d12	13.59	240	223213	20.00	ng	0.00
86) Perylene-d12	14.94	264	168332	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	690613	92.46	ng	0.00
7) Phenol-d6	6.15	99	825147	96.77	ng	0.00
23) Nitrobenzene-d5	7.03	82	414595	54.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.28	330	105648	86.97	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	654513	72.25	ng	0.00
78) Terphenyl-d14	12.55	244	417679	38.15	ng	0.00
Target Compounds						
10) Phenol	6.16	94	27678	2.737	ng	96
19) n-Nitroso-di-n-propylamine	7.03	70	55754	9.934	ng	# 88
25) Isophorone	7.03	82	373542	24.939	ng	# 67
49) Dimethylphthalate	9.23	163	131404	11.255	ng	98
55) 4-Nitrophenol	9.70	139	6605	3.614	ng	# 25
56) 2,4-Dinitrotoluene	9.49	165	19410	6.818	ng	# 33
57) Fluorene	10.04	166	18690	2.137	ng	97
66) 4-Bromophenyl-phenylether	10.28	248	6745	2.922	ng	# 1
70) Phenanthrene	10.99	178	176109	14.211	ng	98
71) Anthracene	11.05	178	32537	2.563	ng	98
74) Fluoranthene	12.17	202	144269	11.883	ng	99
77) Pvrene	12.40	202	116292	6.364	ng	98
80) Benzo(a)anthracene	13.58	228	56661	3.923	ng	98
82) Chrysene	13.62	228	51495	3.651	ng	97
87) Benzo(b)fluoranthene	14.59	252	61205	6.049	ng	# 97
88) Benzo(k)fluoranthene	14.59	252	61205	6.348	ng	99
89) Benzo(a)pyrene	14.89	252	28606	3.089	ng	# 90

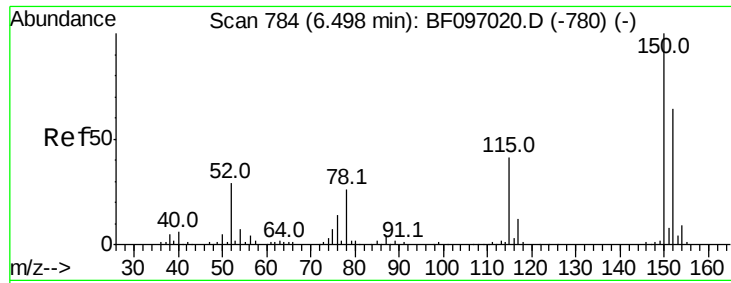
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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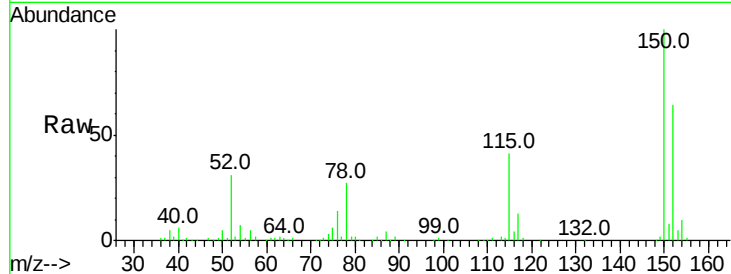


#1

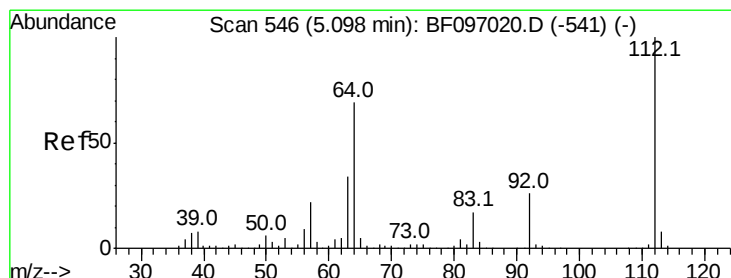
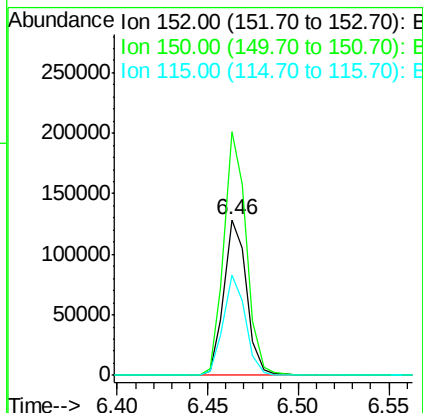
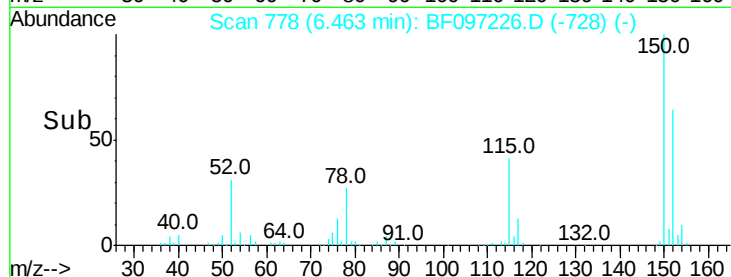
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.46 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF097226.D
Acq: 1 Aug 2017 12:15

Instrument :
BNA_F
ClientSampleId :
E2-K6-WSW

Tot Ion:152 Resp: 112595
Ion Ratio Lower Upper
152 100
150 156.7 126.2 189.2
115 64.5 52.2 78.2



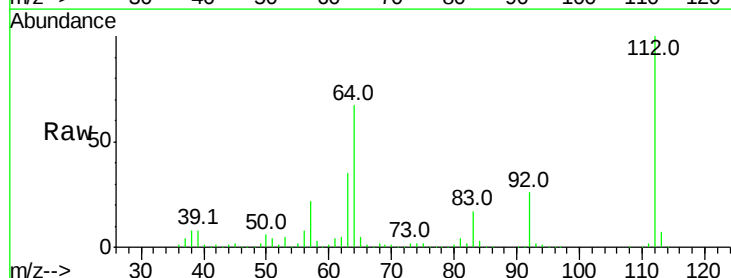
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



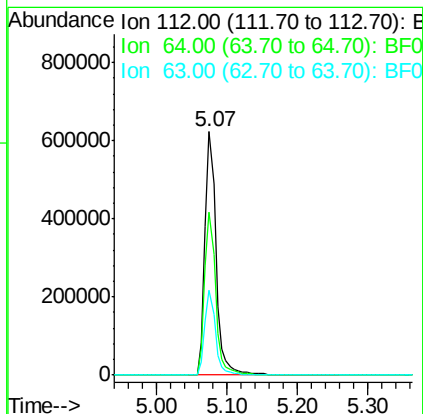
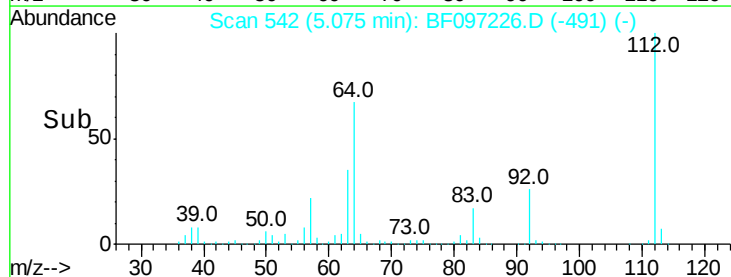
#5

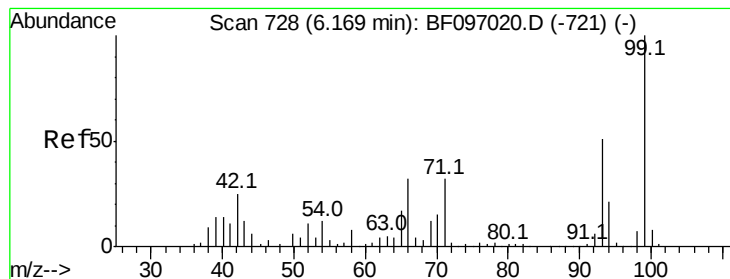
2-Fluorophenol
Concen: 92.463 ng
RT: 5.07 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF097226.D
Acq: 1 Aug 2017 12:15

Tgt Ion:112 Resp: 690613
Ion Ratio Lower Upper
112 100
64 66.8 46.0 69.0
63 34.7 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: 96.771 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF097226.D

Acq: 1 Aug 2017 12:15

Instrument :

BNA_F

ClientSampleId :

E2-K6-WSW

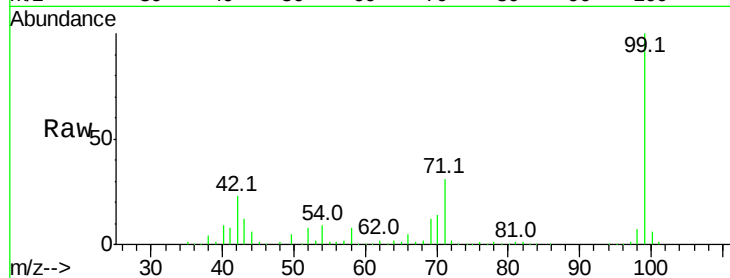
Tot Ion: 99 Resp: 825147

Ion Ratio Lower Upper

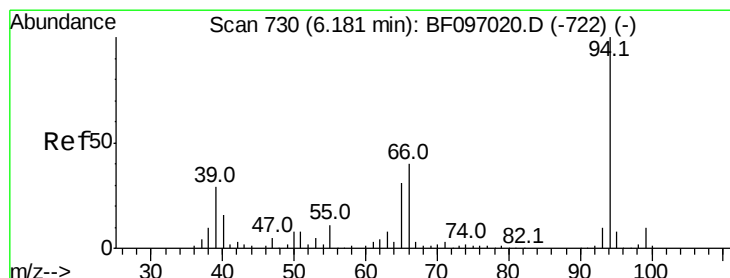
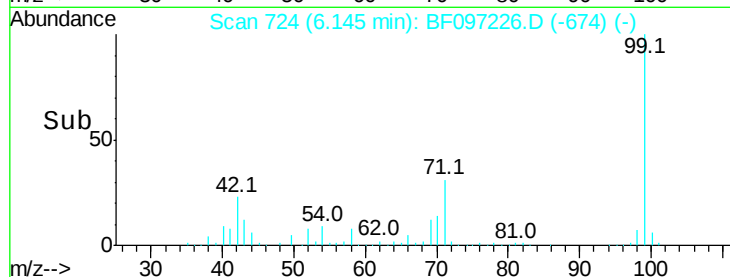
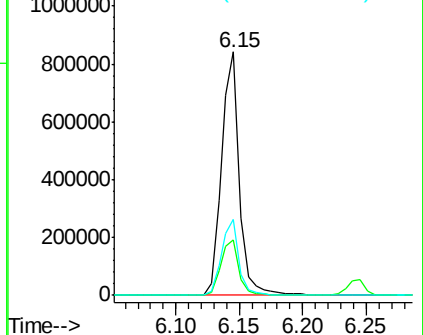
99 100

42 22.7 13.5 20.3#

71 31.4 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: 2.737 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097226.D

Acq: 1 Aug 2017 12:15

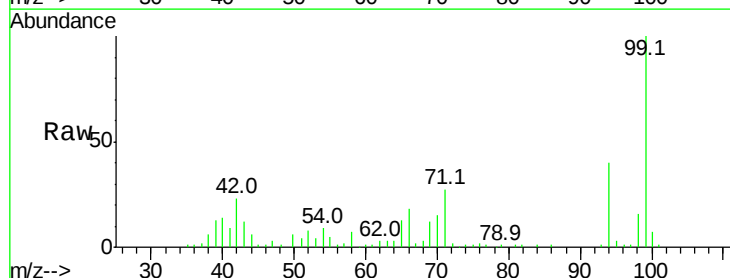
Tgt Ion: 94 Resp: 27678

Ion Ratio Lower Upper

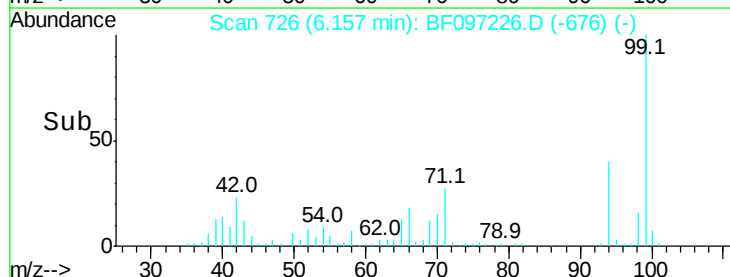
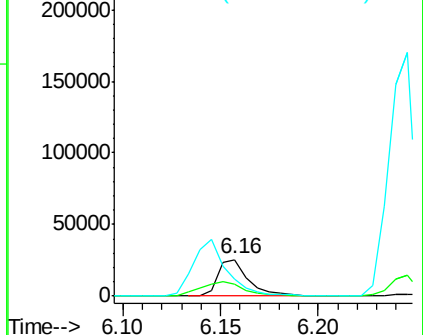
94 100

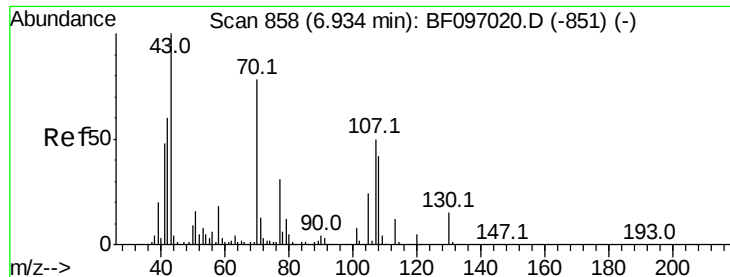
65 31.9 9.9 49.9

66 45.5 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: 9.934 ng

RT: 7.03 min Scan# 875

Delta R.T. 0.12 min

Lab File: BF097226.D

Acq: 1 Aug 2017 12:15

Instrument :

BNA_F

ClientSampleId :

E2-K6-WSW

Tot Ion: 70 Resp: 55754

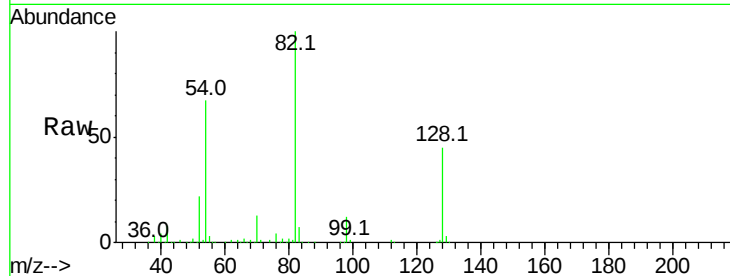
Ion Ratio Lower Upper

70 100

42 59.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

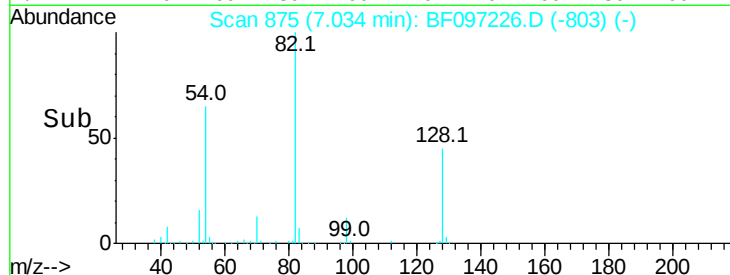


Abundance Ion 70.00 (69.70 to 70.70): BF0

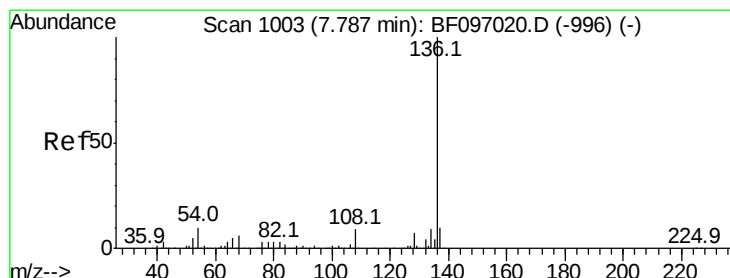
Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.75 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF097226.D

Acq: 1 Aug 2017 12:15

Tgt Ion: 136 Resp: 448687

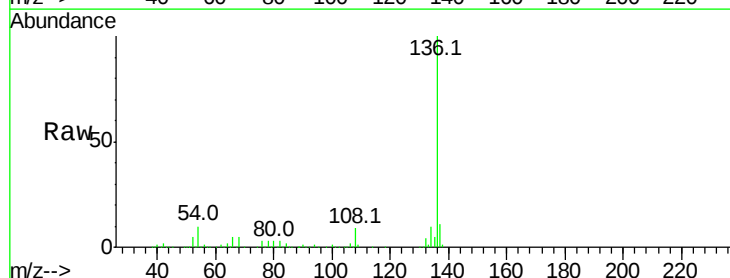
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 9.8 4.9 7.3#

68 5.1 4.1 6.1

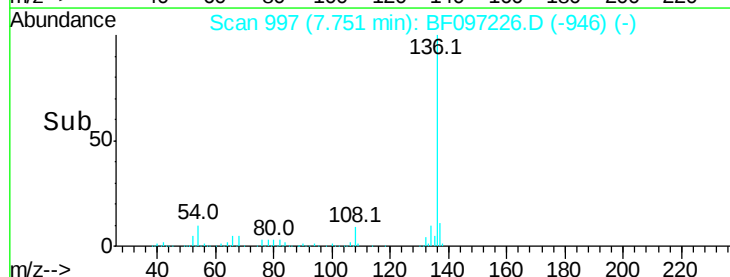


Abundance Ion 136.00 (135.70 to 136.70): BF0

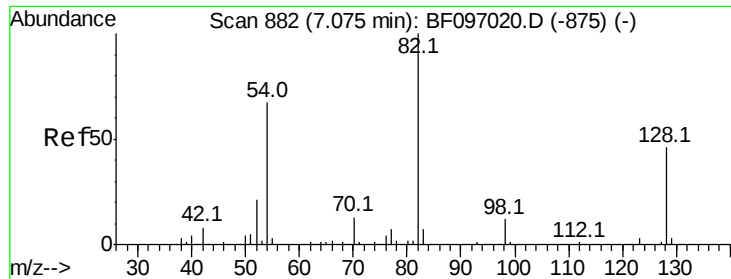
Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



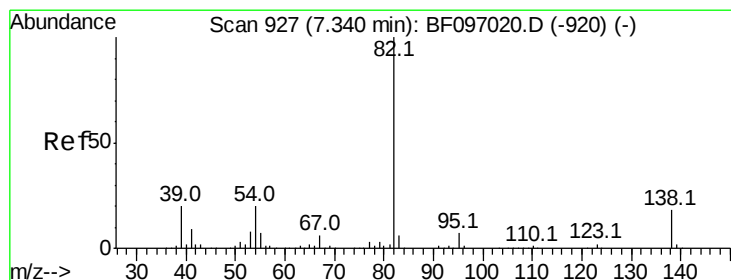
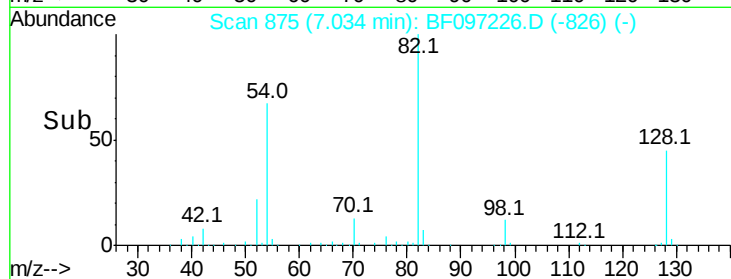
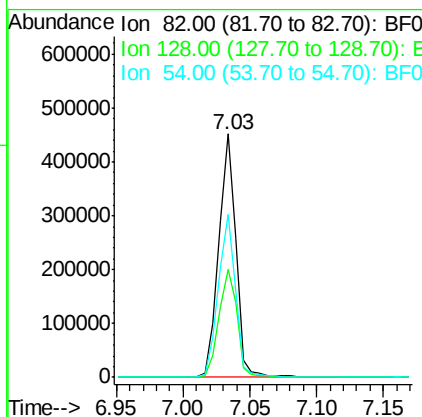
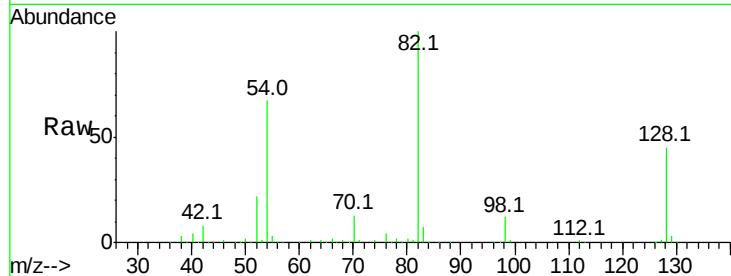
Time-->



#23
 Nitrobenzene-d5
 Concen: 54.207 ng
 RT: 7.03 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: BF097226.D
 Acq: 1 Aug 2017 12:15

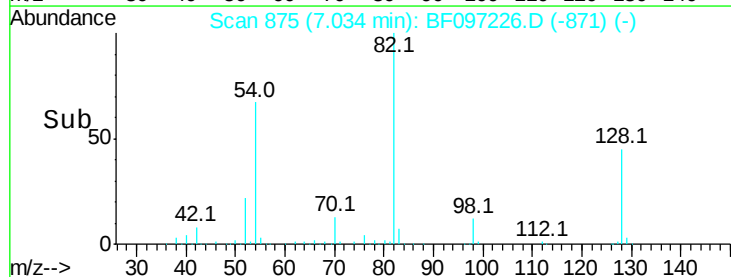
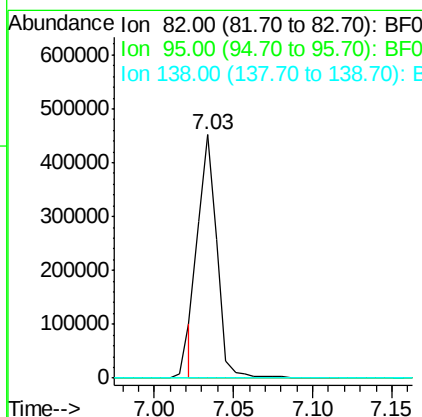
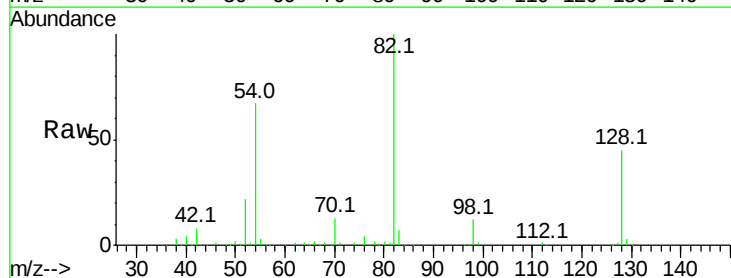
Instrument :
 BNA_F
 ClientSampleId :
 E2-K6-WSW

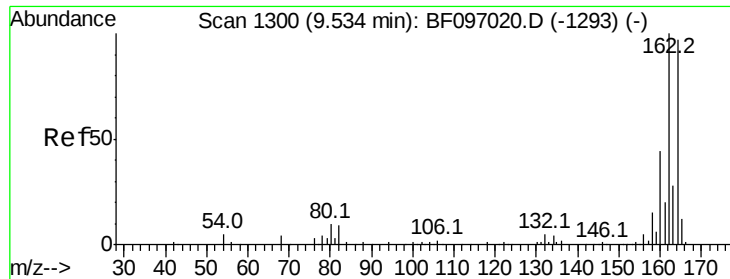
Tot Ion: 82 Resp: 414595
 Ion Ratio Lower Upper
 82 100
 128 44.6 34.0 51.0
 54 67.1 42.2 63.2#



#25
 Isophorone
 Concen: 24.939 ng
 RT: 7.03 min Scan# 875
 Delta R.T. -0.28 min
 Lab File: BF097226.D
 Acq: 1 Aug 2017 12:15

Tgt Ion: 82 Resp: 373542
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

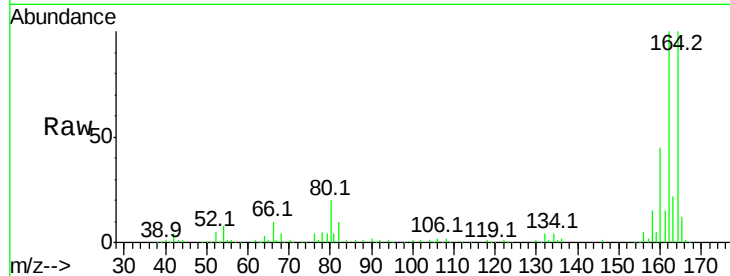




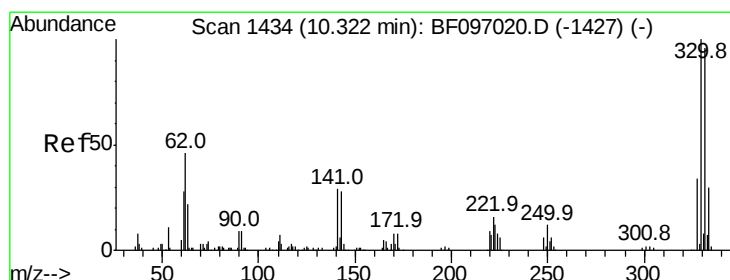
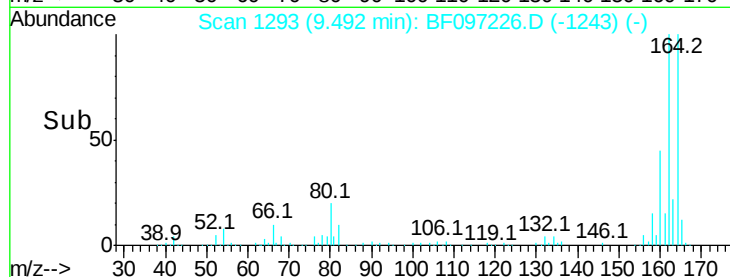
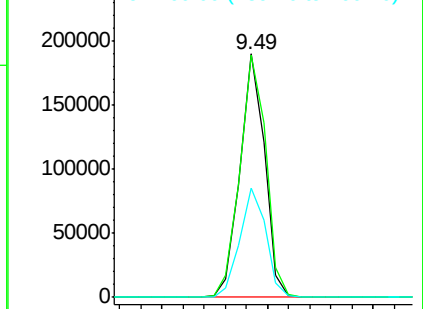
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF097226.D
 Acq: 1 Aug 2017 12:15

Instrument :
 BNA_F
 ClientSampleId :
 E2-K6-WSW

Tot Ion:164 Resp: 153749
 Ion Ratio Lower Upper
 164 100
 162 99.5 82.6 123.8
 160 44.8 36.2 54.2

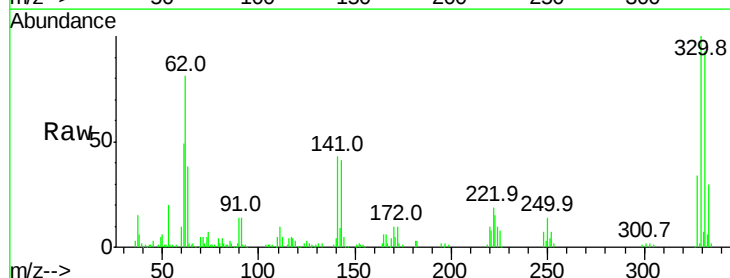


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

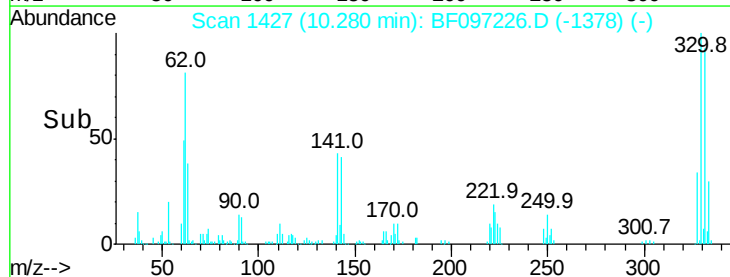
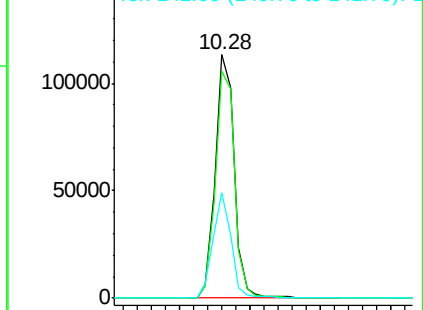


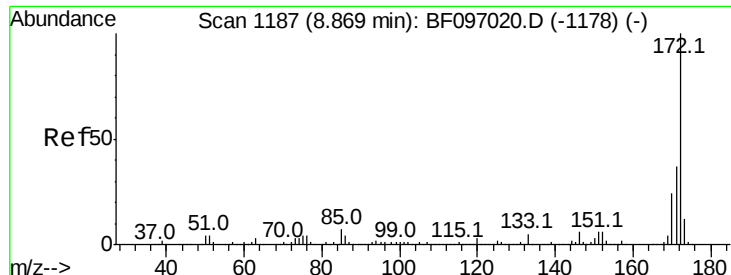
#41
 2,4,6-Tribromophenol
 Concen: 86.970 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF097226.D
 Acq: 1 Aug 2017 12:15

Tgt Ion:330 Resp: 105648
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 115.0
 141 41.5 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

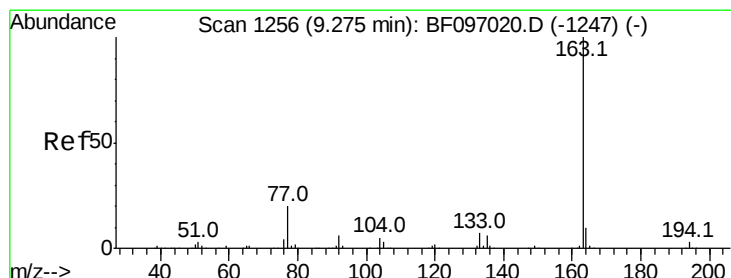
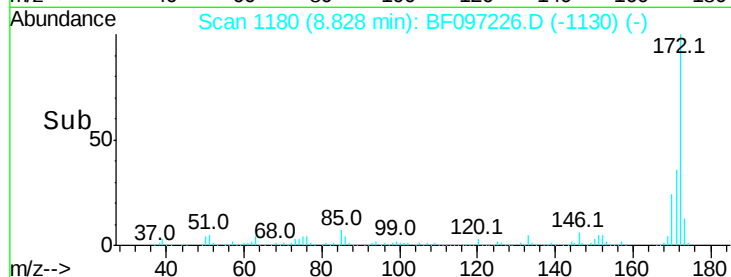
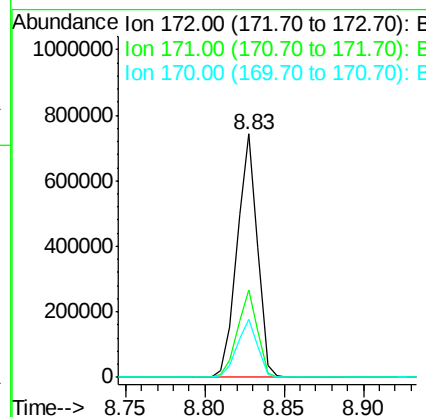
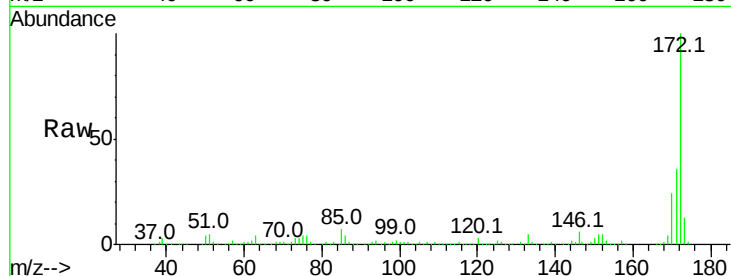




#44
 2-Fluorobiphenyl
 Concen: 72.246 ng
 RT: 8.83 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF097226.D
 Acq: 1 Aug 2017 12:15

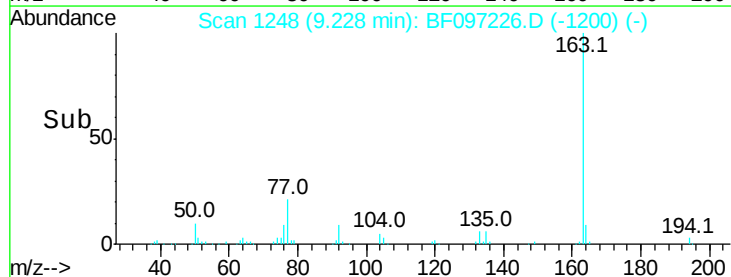
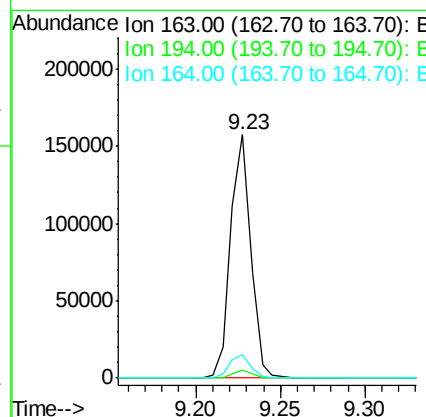
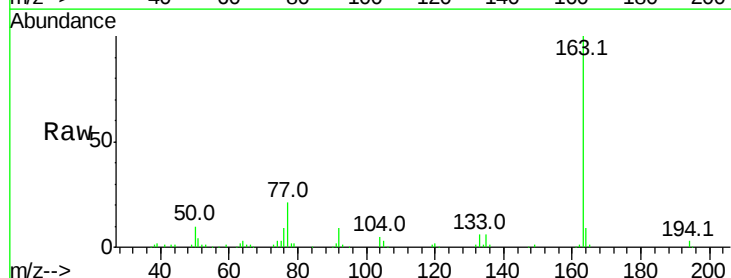
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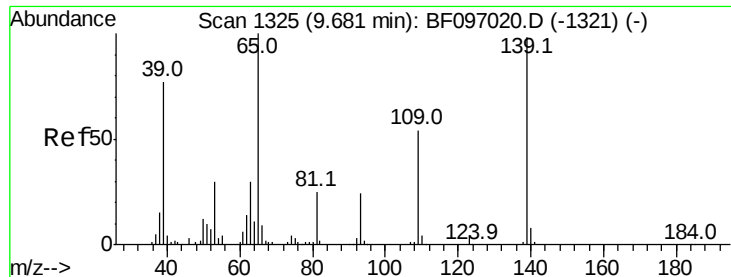
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.0	19.8	29.8



#49
 Dimethylphthalate
 Concen: 11.255 ng
 RT: 9.23 min Scan# 1248
 Delta R.T. -0.02 min
 Lab File: BF097226.D
 Acq: 1 Aug 2017 12:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.5	8.4	12.6





#55

4-Nitrophenol

Concen: 3.614 ng

RT: 9.70 min Scan# 1328

Delta R.T. 0.03 min

Lab File: BF097226.D

Acq: 1 Aug 2017 12:15

Instrument :

BNA_F

ClientSampleId :

E2-K6-WSW

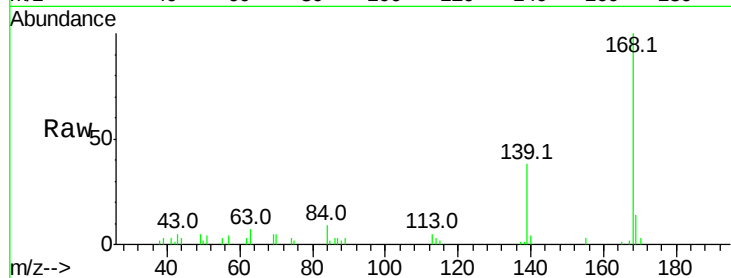
Tot Ion:139 Resp: 6605

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

65 0.0 31.4 71.4#

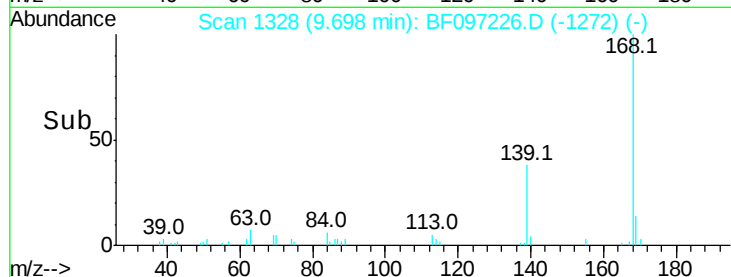


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

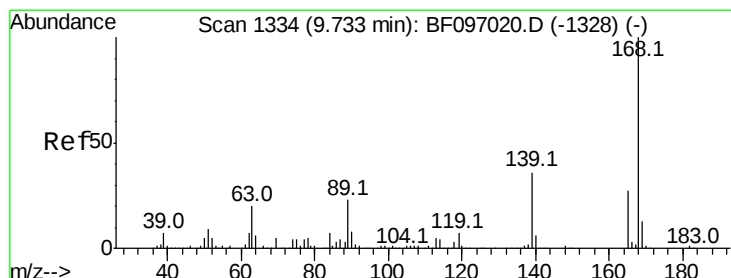
Ion 65.00 (64.70 to 65.70): E

Time-->



9.70

Time-->



#56

2,4-Dinitrotoluene

Concen: 6.818 ng

RT: 9.49 min Scan# 1293

Delta R.T. -0.22 min

Lab File: BF097226.D

Acq: 1 Aug 2017 12:15

Tgt Ion:165 Resp: 19410

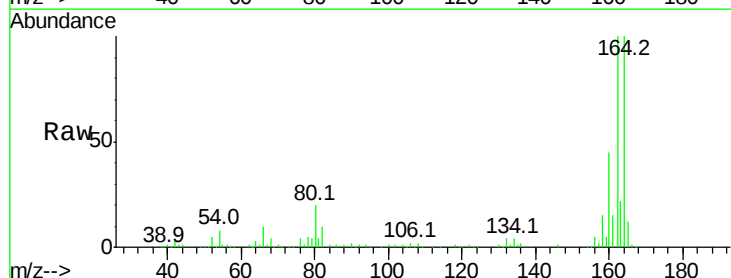
Ion Ratio Lower Upper

165 100

63 3.3 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#



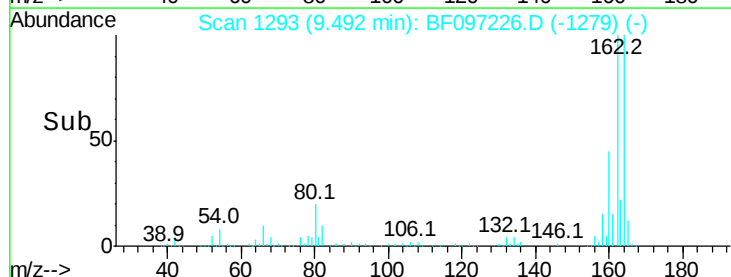
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

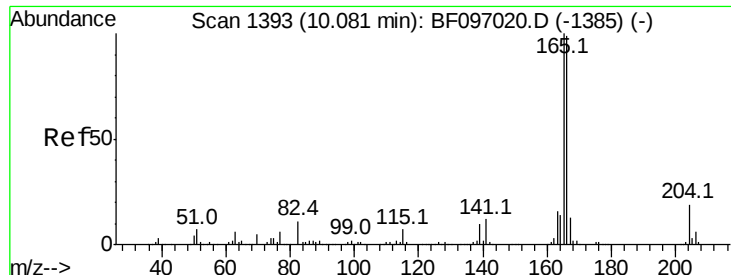
Ion 182.00 (181.70 to 182.70): E

Time-->



9.49

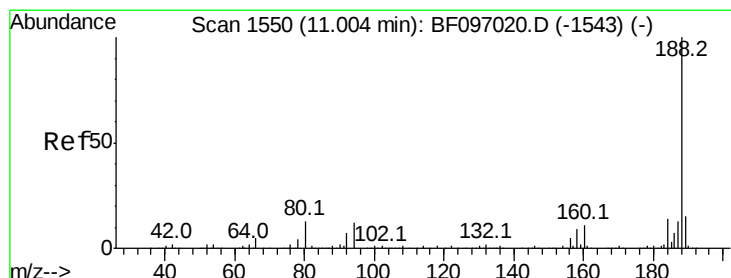
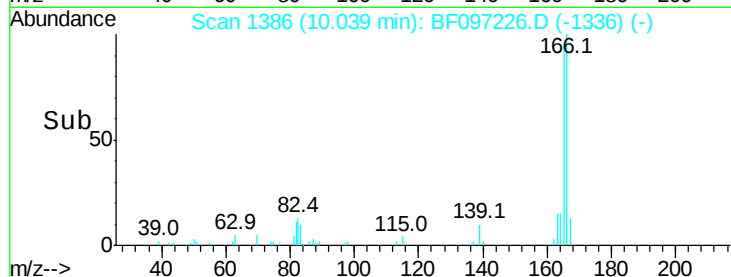
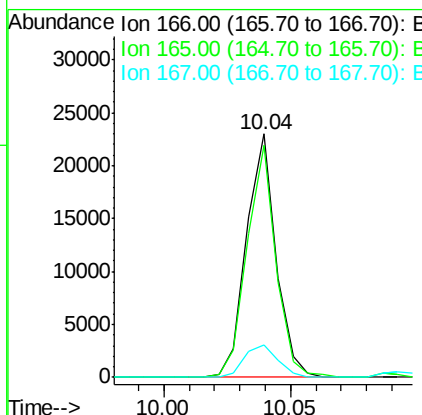
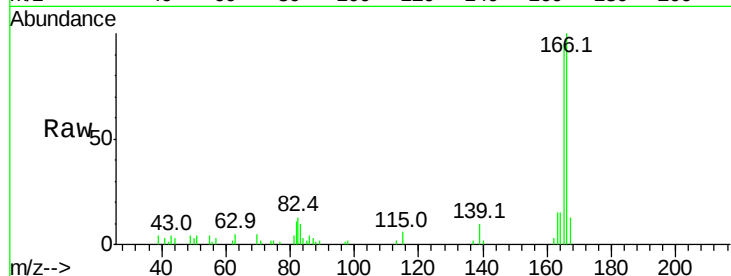
Time-->



#57
Fluorene
 Concen: 2.137 ng
 RT: 10.04 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: BF097226.D
 Acq: 1 Aug 2017 12:15

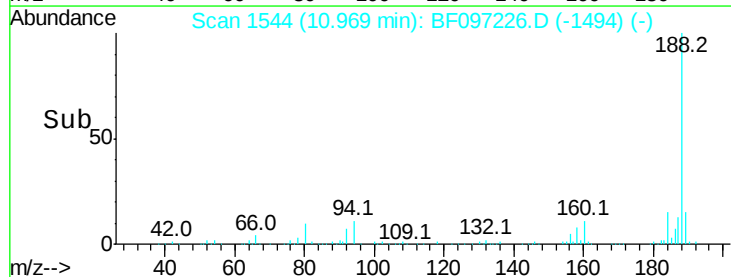
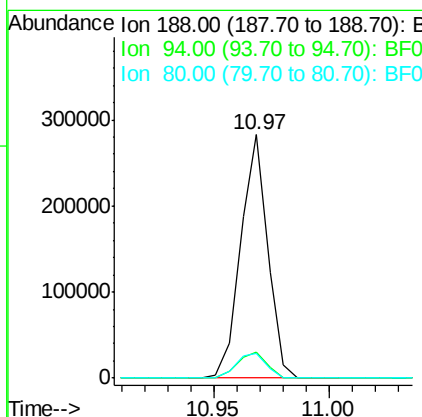
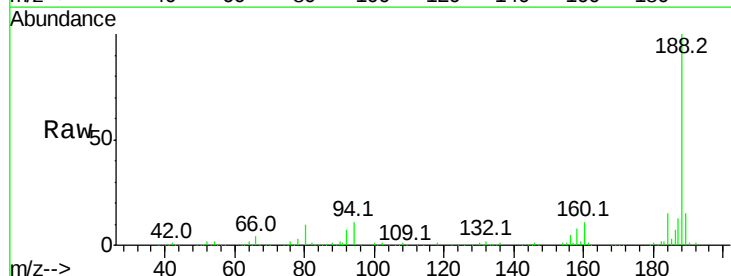
Instrument :
 BNA_F
 ClientSampleId :
 E2-K6-WSW

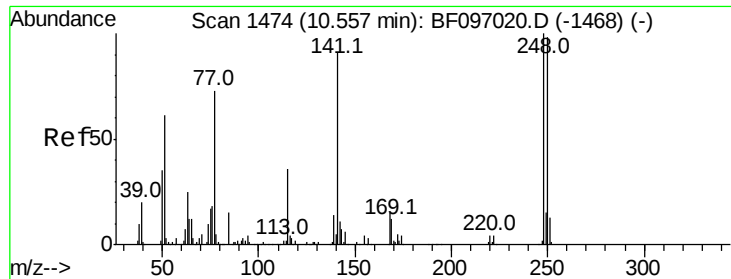
Tot Ion:166 Resp: 18690
 Ion Ratio Lower Upper
 166 100
 165 95.1 78.8 118.2
 167 13.3 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.97 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF097226.D
 Acq: 1 Aug 2017 12:15

Tgt Ion:188 Resp: 231289
 Ion Ratio Lower Upper
 188 100
 94 10.9 9.4 14.2
 80 10.3 10.2 15.2

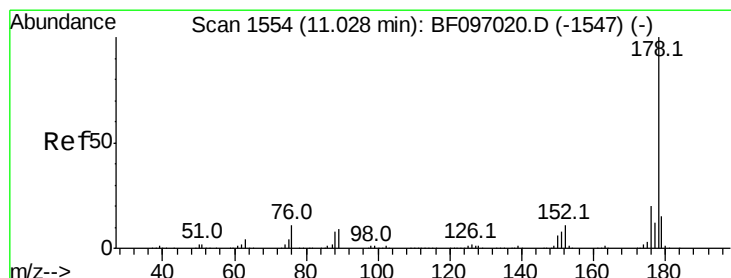
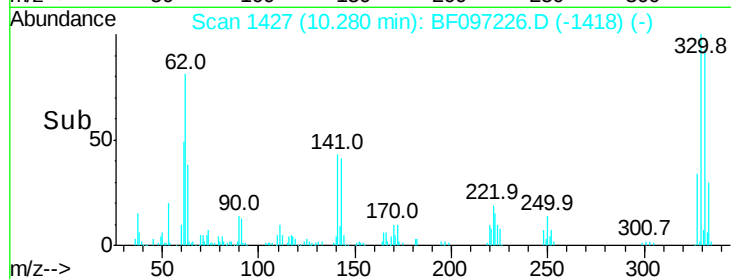
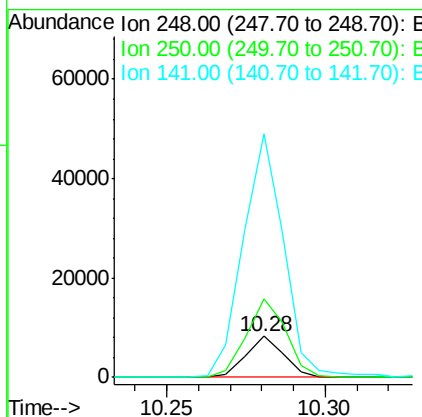
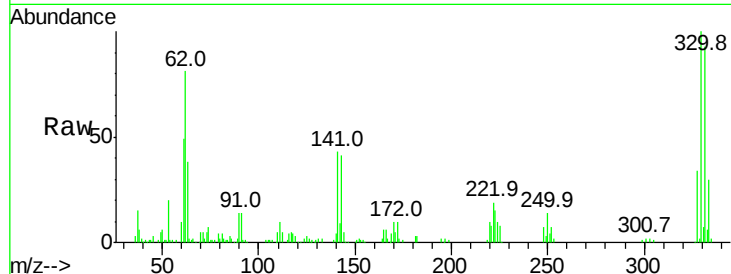




#66
 4-Bromophenyl-phenylether
 Concen: 2.922 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.25 min
 Lab File: BF097226.D
 Acq: 1 Aug 2017 12:15

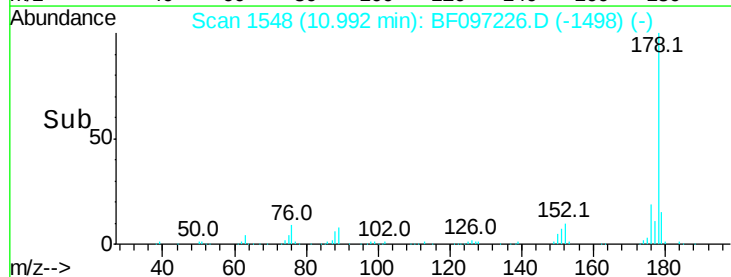
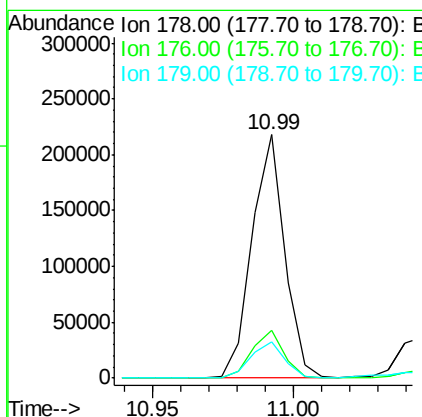
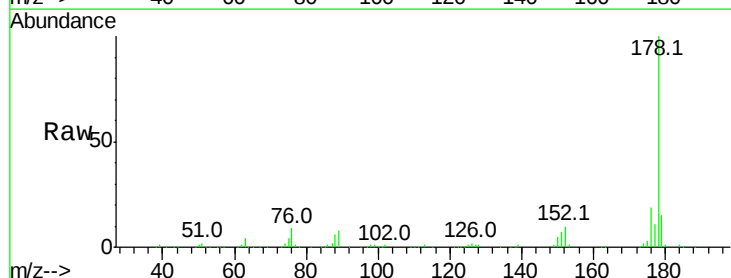
Instrument :
 BNA_F
 ClientSampleId :
 E2-K6-WSW

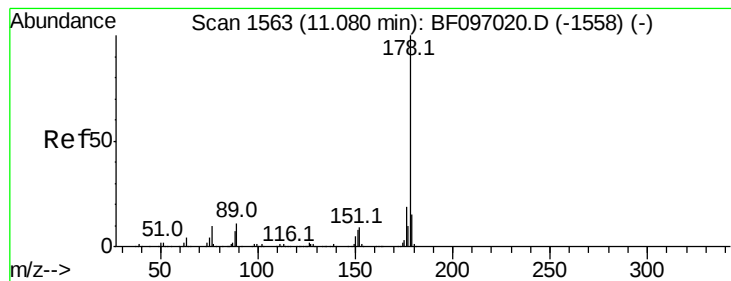
Tot Ion:248 Resp: 6745
 Ion Ratio Lower Upper
 248 100
 250 191.1 76.8 115.2#
 141 595.8 68.6 103.0#



#70
 Phenanthrene
 Concen: 14.211 ng
 RT: 10.99 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF097226.D
 Acq: 1 Aug 2017 12:15

Tgt Ion:178 Resp: 176109
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.4
 179 14.8 12.6 19.0





#71

Anthracene

Concen: 2.563 ng

RT: 11.05 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF097226.D

Acq: 1 Aug 2017 12:15

Instrument :

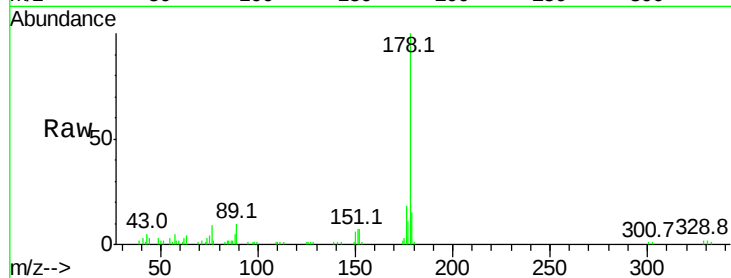
BNA_F

ClientSampleId :

E2-K6-WSW

Tot Ion:178 Resp: 32537

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.4	12.7	19.1

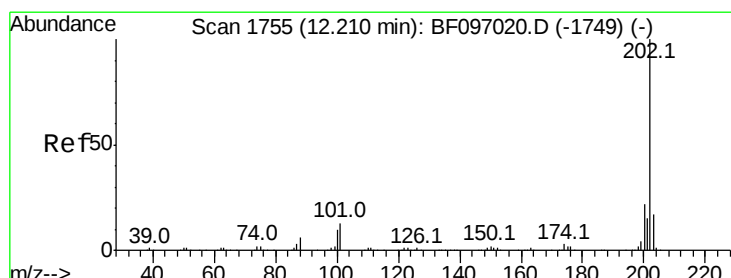
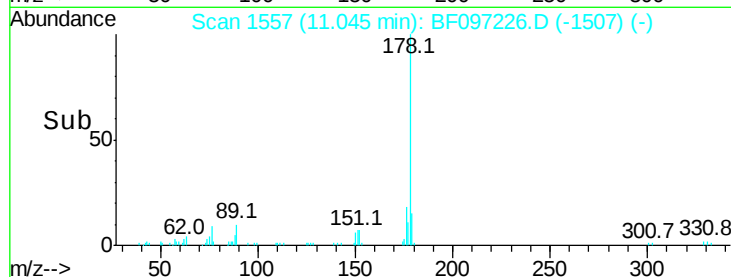
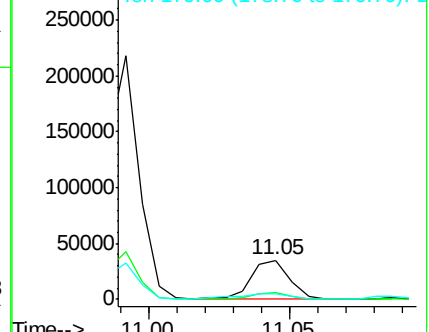


Abundance

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: 11.883 ng

RT: 12.17 min Scan# 1749

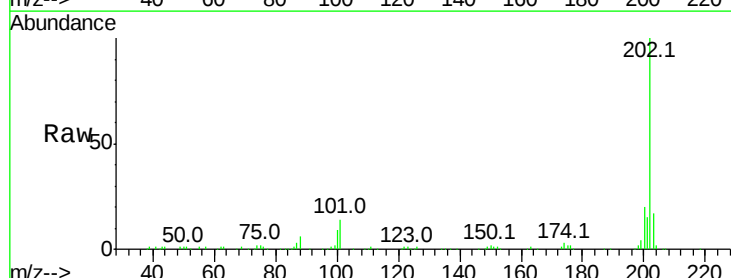
Delta R.T. -0.01 min

Lab File: BF097226.D

Acq: 1 Aug 2017 12:15

Tgt Ion:202 Resp: 144269

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.2
203	17.4	0.0	38.1

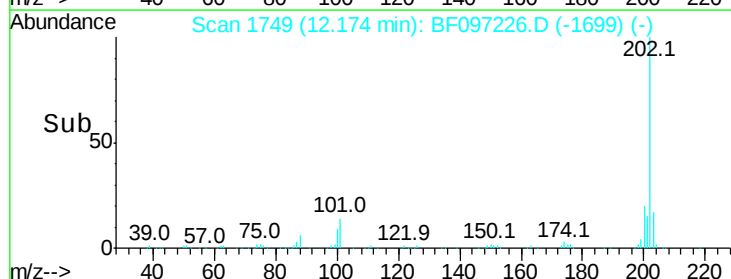
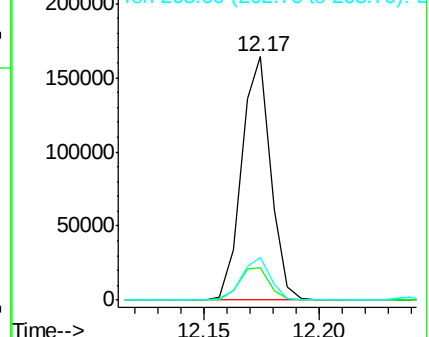


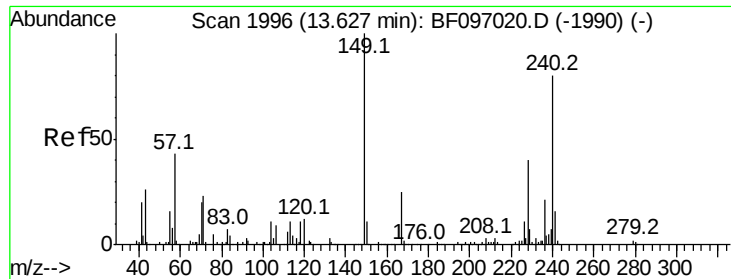
Abundance

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: 13.59 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF097226.D

Acq: 1 Aug 2017 12:15

Instrument :

BNA_F

ClientSampleId :

E2-K6-WSW

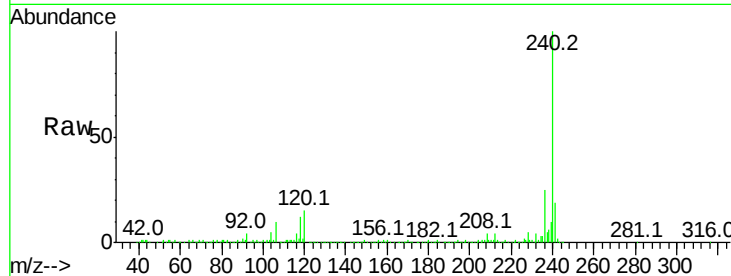
Tot Ion:240 Resp: 223213

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

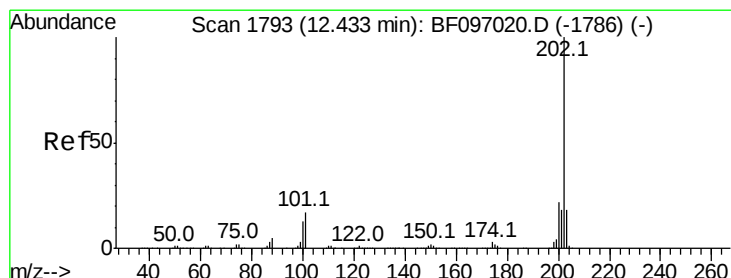
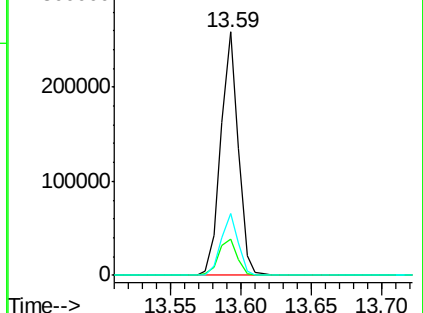
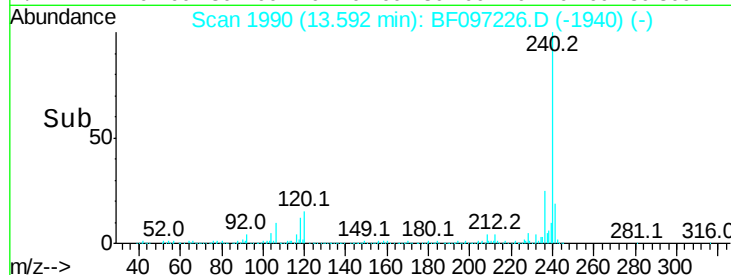
236 25.2 20.5 30.7



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

Pyrene

Concen: 6.364 ng

RT: 12.40 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF097226.D

Acq: 1 Aug 2017 12:15

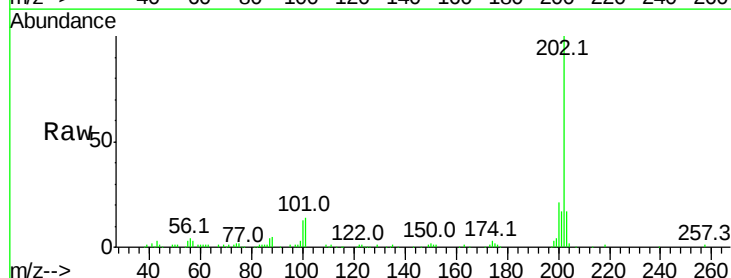
Tgt Ion:202 Resp: 116292

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

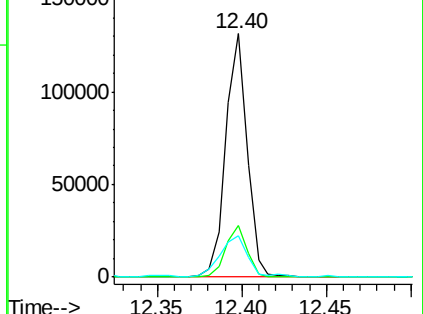
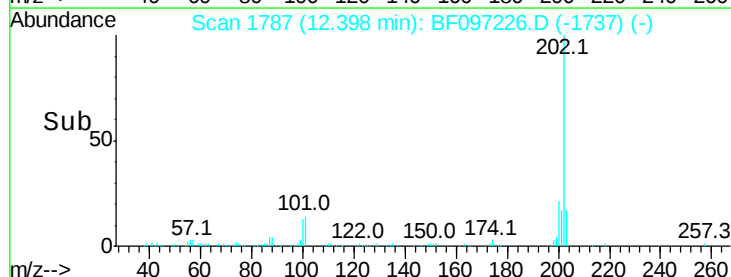
203 17.0 14.4 21.6

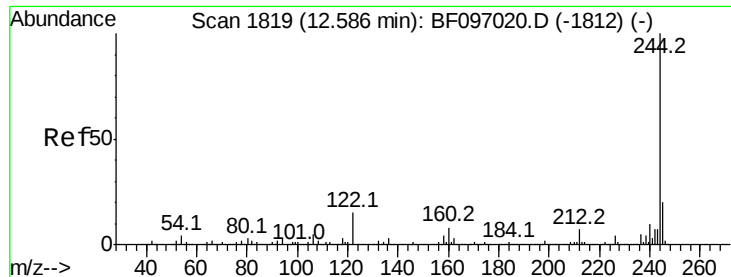


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 38.151 ng

RT: 12.55 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF097226.D

Acq: 1 Aug 2017 12:15

Instrument :

BNA_F

ClientSampleId :

E2-K6-WSW

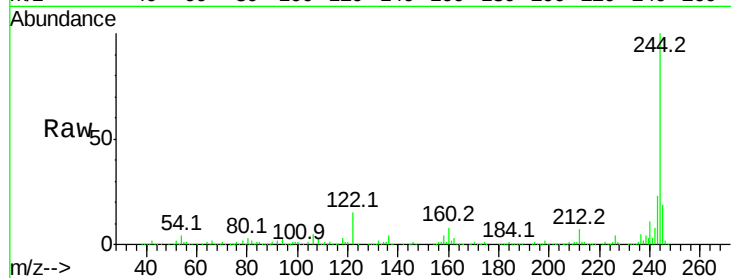
Tot Ion:244 Resp: 417679

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

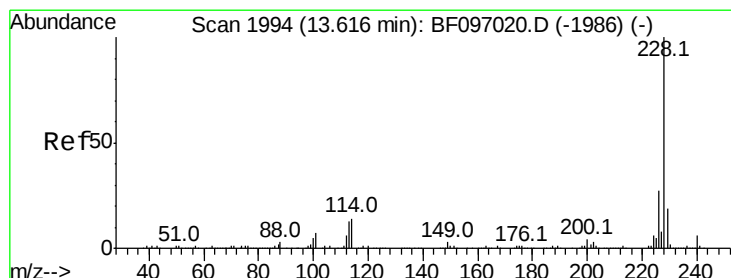
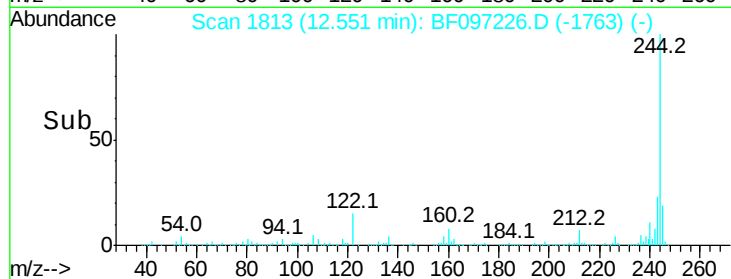
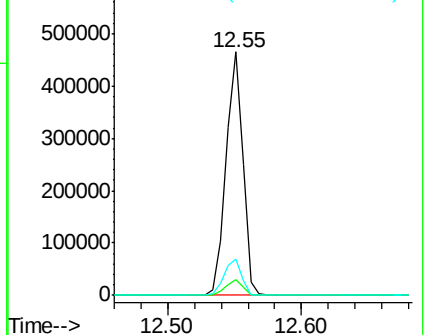
122 15.1 10.3 15.5



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: 3.923 ng

RT: 13.58 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF097226.D

Acq: 1 Aug 2017 12:15

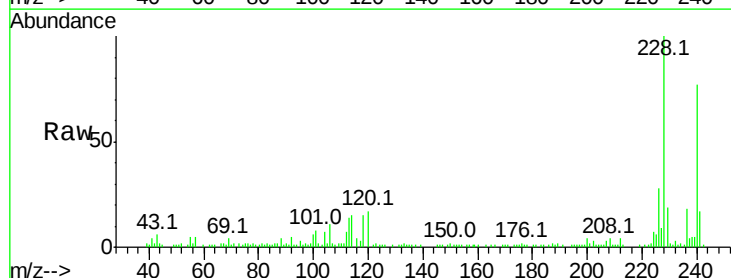
Tgt Ion:228 Resp: 56661

Ion Ratio Lower Upper

228 100

226 27.8 22.6 33.8

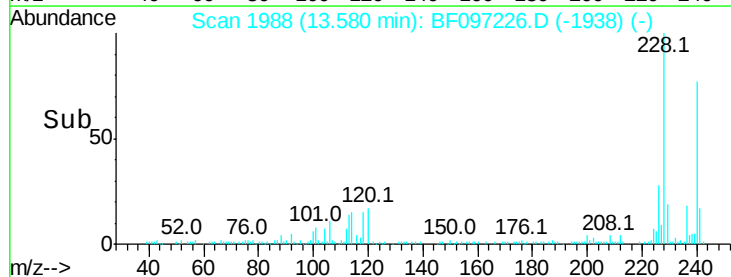
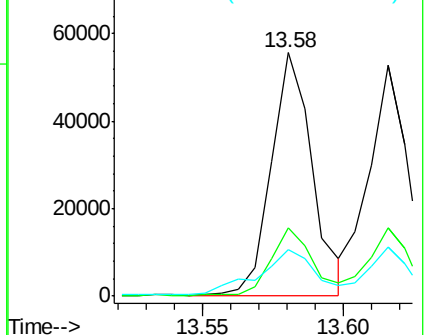
229 19.0 16.3 24.5

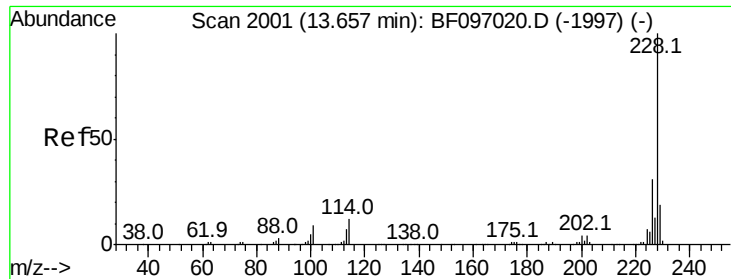


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

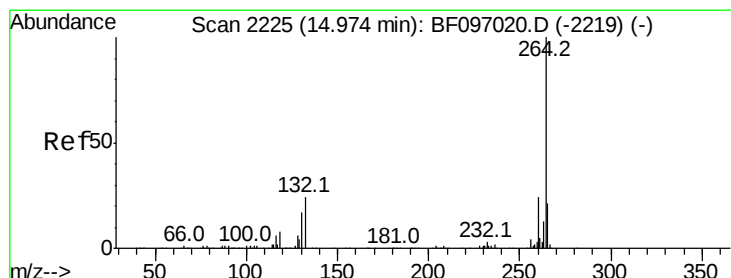
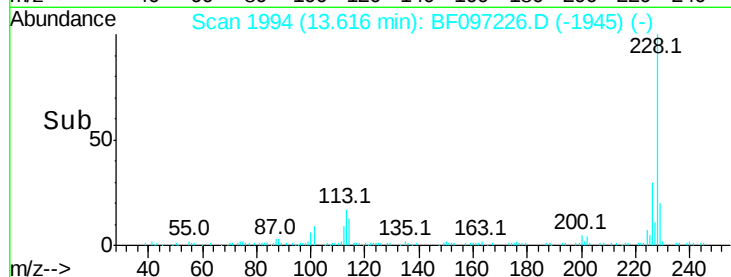
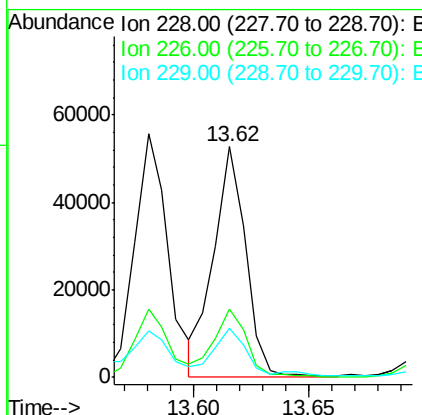
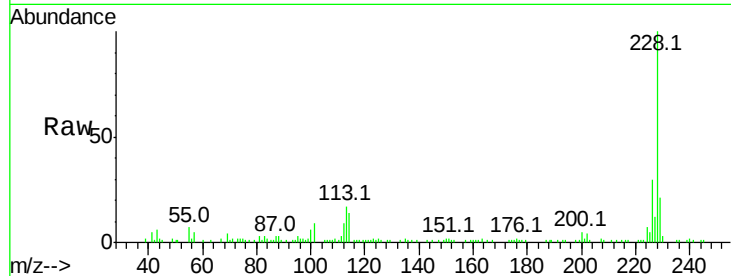




#82
Chrysene
Concen: 3.651 ng
RT: 13.62 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF097226.D
Acq: 1 Aug 2017 12:15

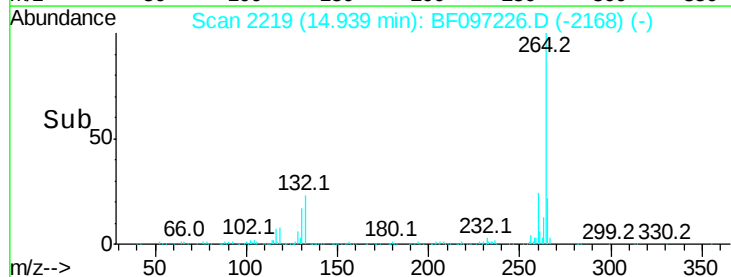
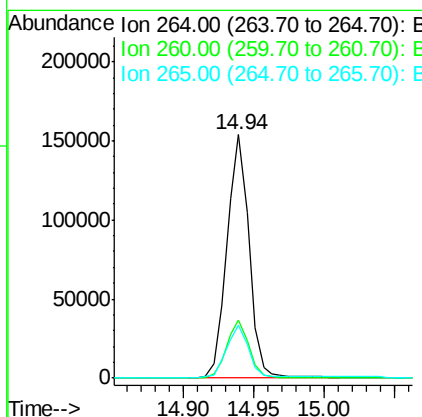
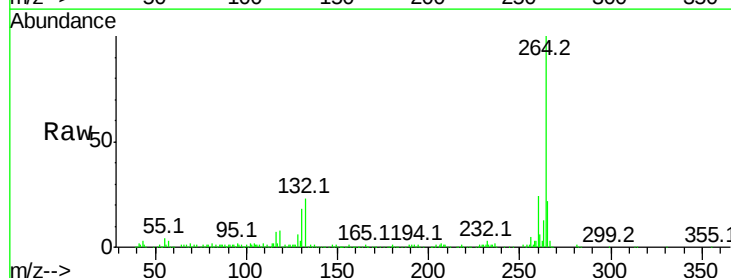
Instrument :
BNA_F
ClientSampleId :
E2-K6-WSW

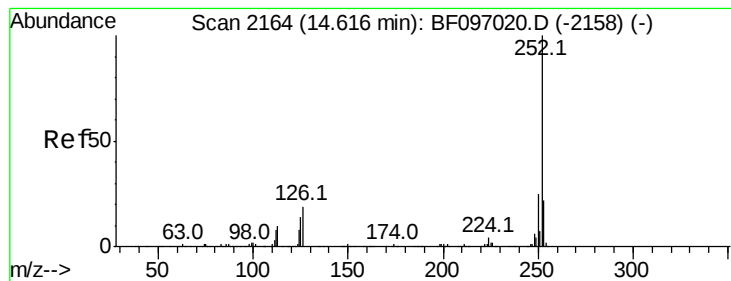
Tot Ion:228 Resp: 51495
Ion Ratio Lower Upper
228 100
226 29.8 24.9 37.3
229 21.1 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 14.94 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF097226.D
Acq: 1 Aug 2017 12:15

Tgt Ion:264 Resp: 168332
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 21.8 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 6.049 ng

RT: 14.59 min Scan# 2159

Delta R.T. 0.00 min

Lab File: BF097226.D

Acq: 1 Aug 2017 12:15

Instrument :

BNA_F

ClientSampleId :

E2-K6-WSW

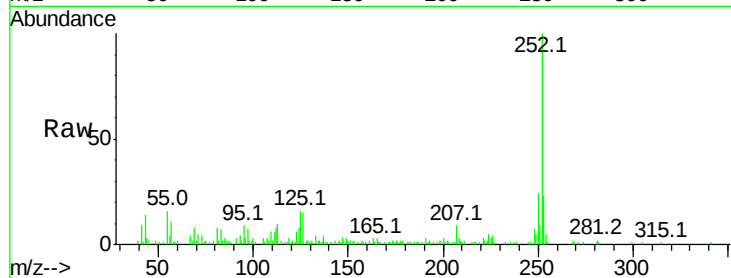
Tot Ion:252 Resp: 61205

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

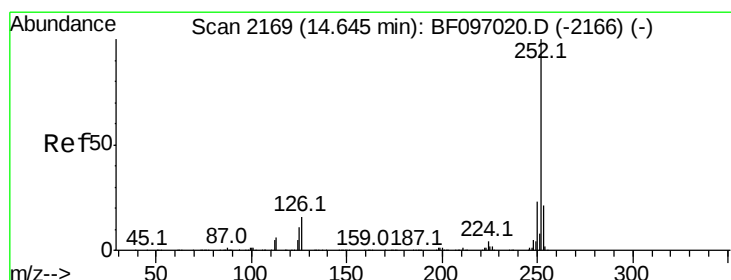
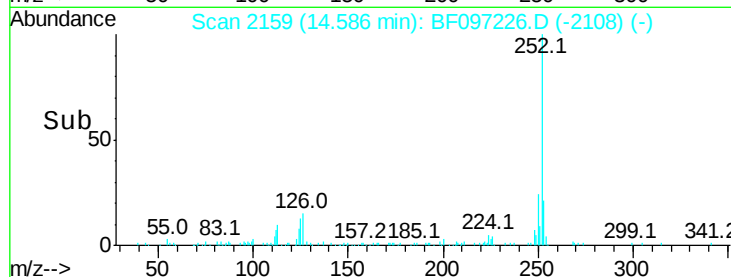
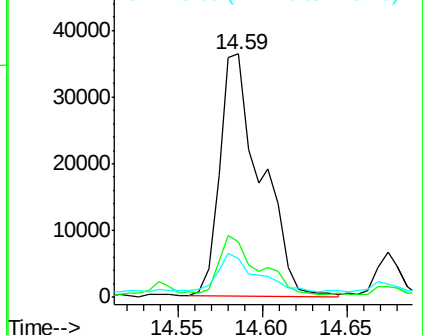
125 15.7 9.8 14.8#



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: 6.348 ng

RT: 14.59 min Scan# 2159

Delta R.T. -0.03 min

Lab File: BF097226.D

Acq: 1 Aug 2017 12:15

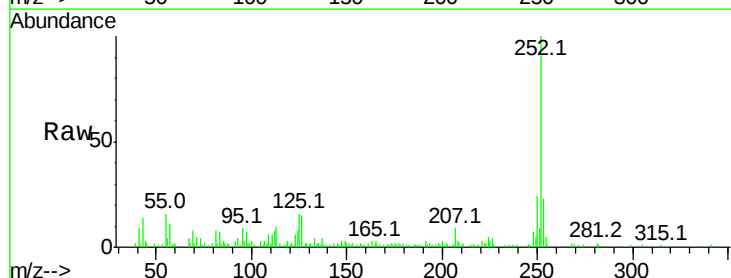
Tgt Ion:252 Resp: 61205

Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

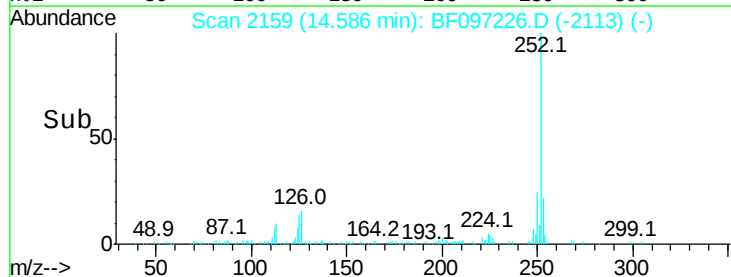
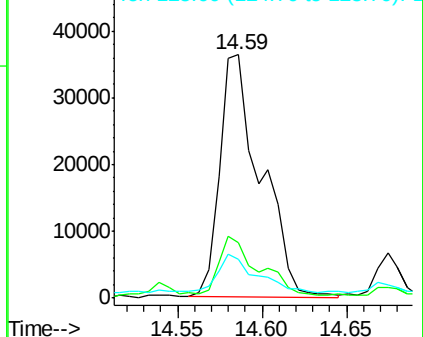
125 15.7 13.1 19.7

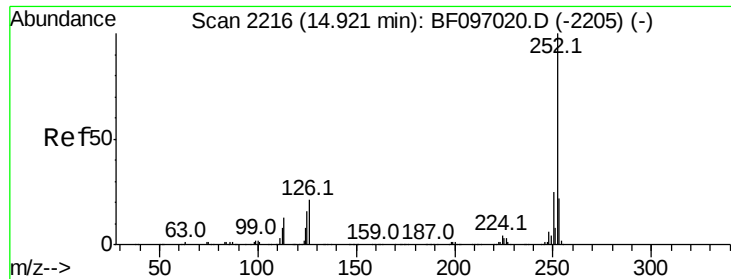


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(a)pyrene
 Concen: 3.089 ng
 RT: 14.89 min Scan# 2210
 Delta R.T. -0.01 min
 Lab File: BF097226.D
 Acq: 1 Aug 2017 12:15

Instrument :
 BNA_F
 ClientSampleId :
 E2-K6-WSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.5	26.3
125	18.3	11.0	16.4

