

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097385.D
 Acq On : 5 Aug 2017 5:29
 Operator : SJ/JU
 Sample : I4588-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N9-ESW

Quant Time: Aug 06 00:52:39 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

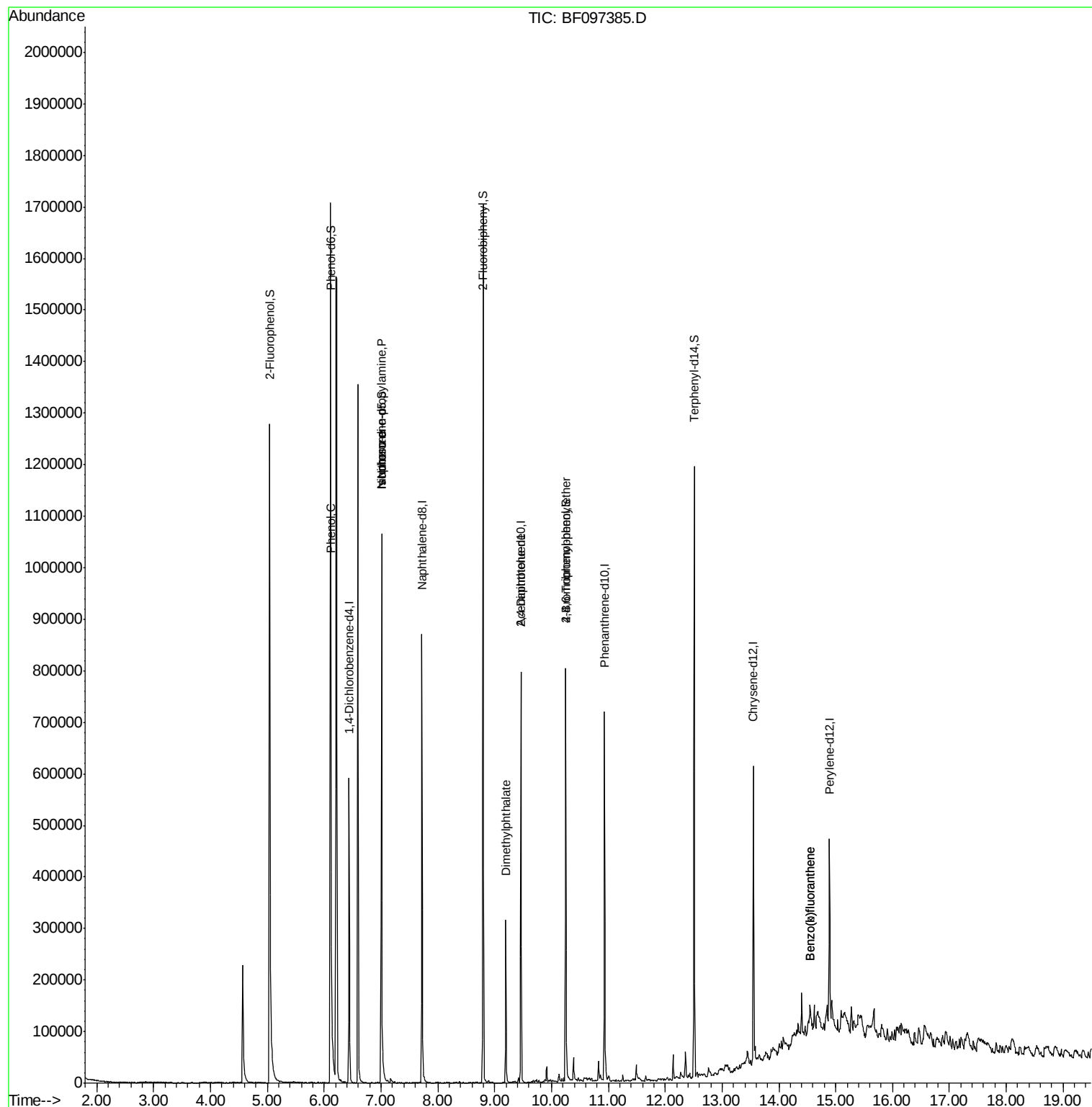
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	96452	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	402997	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	161718	20.00	ng	-0.08
63) Phenanthrene-d10	10.93	188	240767	20.00	ng	-0.07
75) Chrysene-d12	13.55	240	182972	20.00	ng	-0.08
86) Perylene-d12	14.89	264	148420	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	474167	74.11	ng	-0.06
7) Phenol-d6	6.11	99	609411	83.43	ng	-0.06
23) Nitrobenzene-d5	7.01	82	334991	48.76	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	91085	71.29	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	541551	56.83	ng	-0.07
78) Terphenyl-d14	12.51	244	344978	38.44	ng	-0.08
Target Compounds						
10) Phenol	6.12	94	24231	2.80	ng	# 75
19) n-Nitroso-di-n-propylamine	7.01	70	45368	9.44	ng	# 88
25) Isophorone	7.01	82	324634	24.13	ng	# 67
49) Dimethylphthalate	9.20	163	130519	10.63	ng	# 99
56) 2,4-Dinitrotoluene	9.46	165	21491	7.18	ng	# 31
66) 4-Bromophenyl-phenylether	10.25	248	5737	2.39	ng	# 1
87) Benzo(b)fluoranthene	14.54	252	18148	2.03	ng	# 80
88) Benzo(k)fluoranthene	14.54	252	18148	2.13	ng	# 84

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

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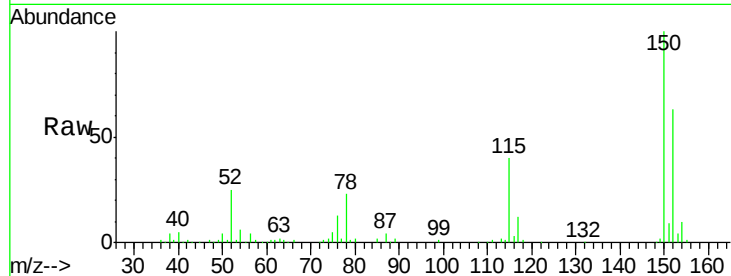


#1

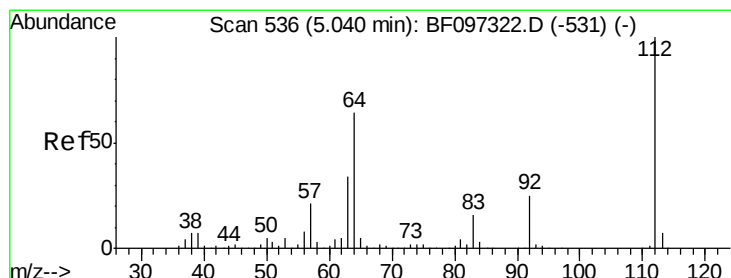
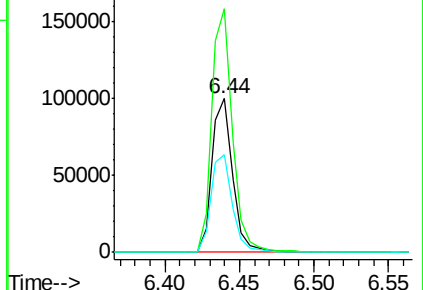
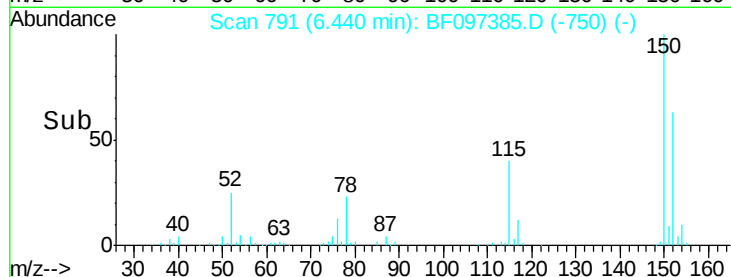
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097385.D
Acq: 5 Aug 2017 5:29

Instrument :
BNA_F
ClientSampleId :
E2-N9-ESW

Tot Ion:152 Resp: 96452
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.2
115 63.5 52.2 78.2



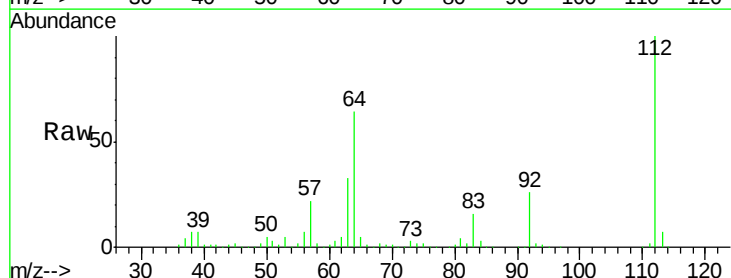
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



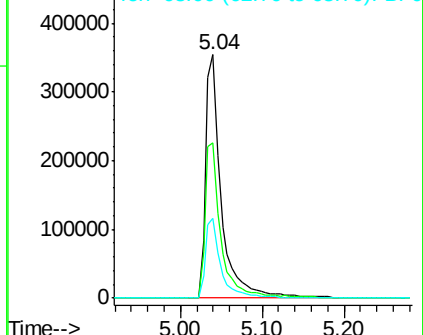
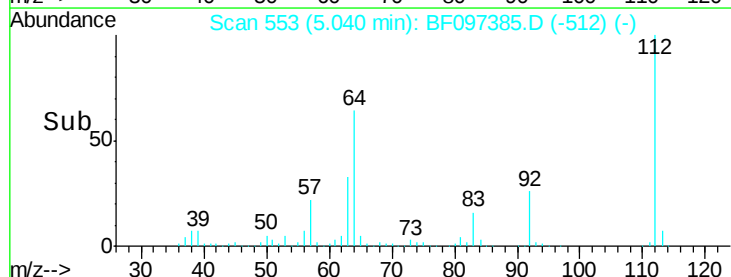
#5

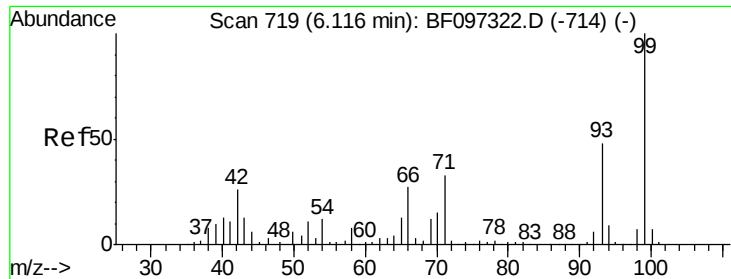
2-Fluorophenol
Concen: 74.11 ng
RT: 5.04 min Scan# 553
Delta R.T. -0.06 min
Lab File: BF097385.D
Acq: 5 Aug 2017 5:29

Tgt Ion:112 Resp: 474167
Ion Ratio Lower Upper
112 100
64 63.8 46.0 69.0
63 32.8 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: 83.43 ng

RT: 6.11 min Scan# 735

Delta R.T. -0.06 min

Lab File: BF097385.D

Acq: 5 Aug 2017 5:29

Instrument :

BNA_F

ClientSampleId :

E2-N9-ESW

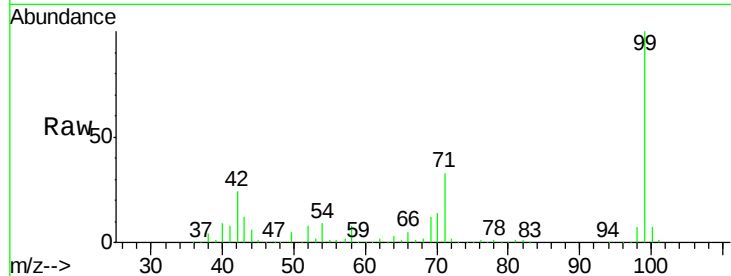
Tot Ion: 99 Resp: 609411

Ion Ratio Lower Upper

99 100

42 23.7 13.5 20.3#

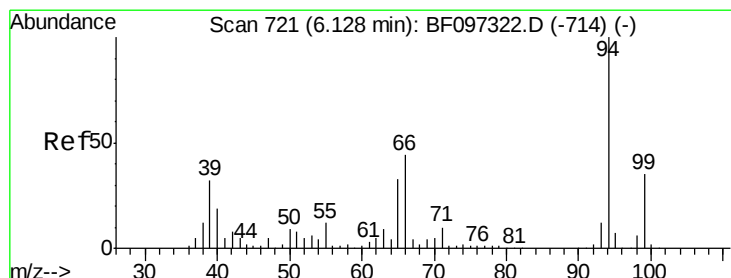
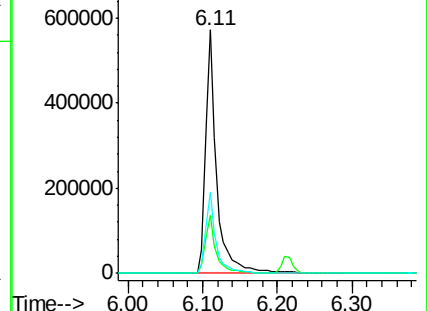
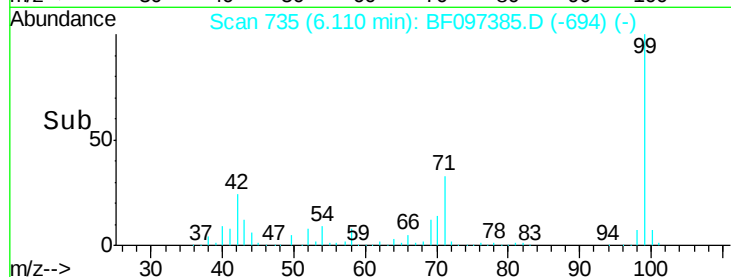
71 33.1 24.5 36.7



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: 2.80 ng

RT: 6.12 min Scan# 737

Delta R.T. -0.06 min

Lab File: BF097385.D

Acq: 5 Aug 2017 5:29

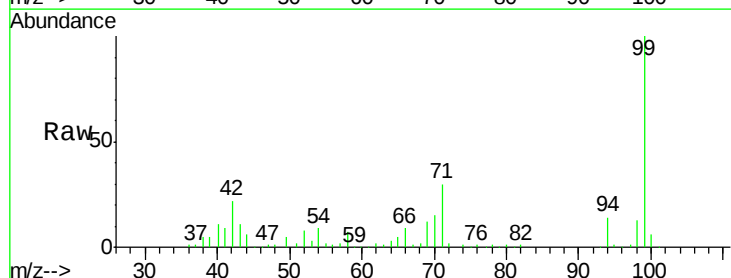
Tgt Ion: 94 Resp: 24231

Ion Ratio Lower Upper

94 100

65 34.8 9.9 49.9

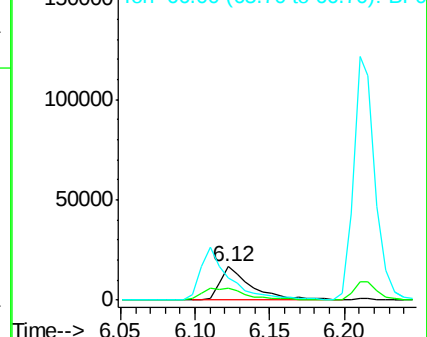
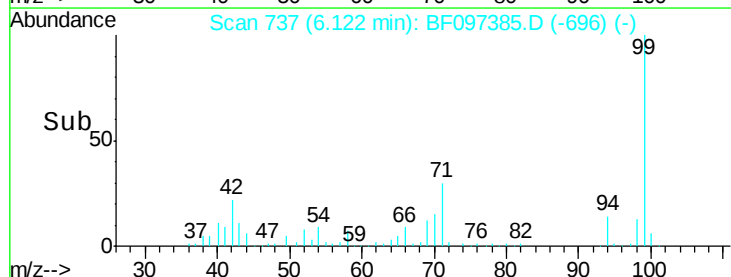
66 65.9 23.1 63.1#

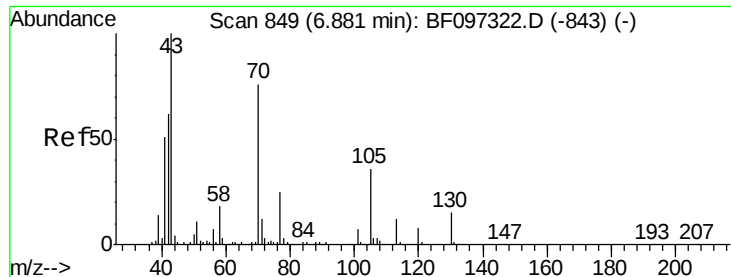


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

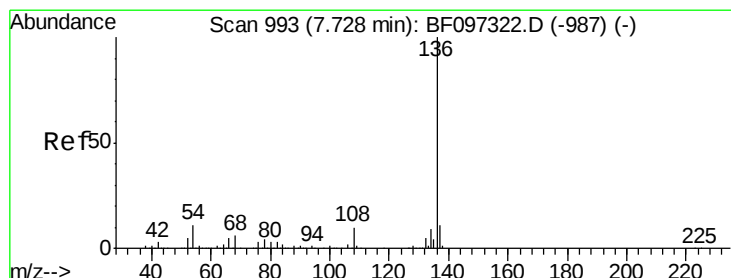
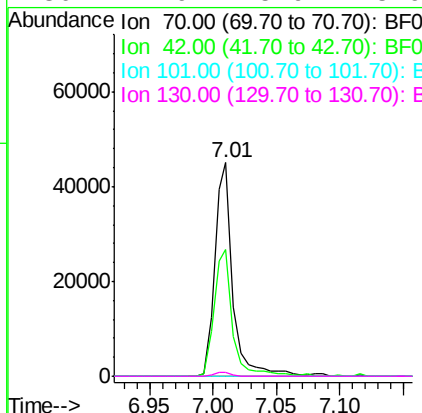
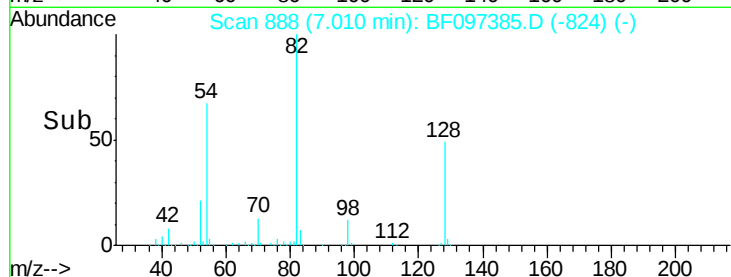
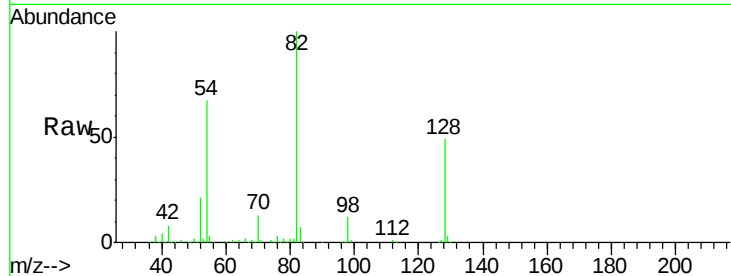




#19
n-Nitroso-di-n-propylamine
Concen: 9.44 ng
RT: 7.01 min Scan# 888
Delta R.T. 0.08 min
Lab File: BF097385.D
Acq: 5 Aug 2017 5:29

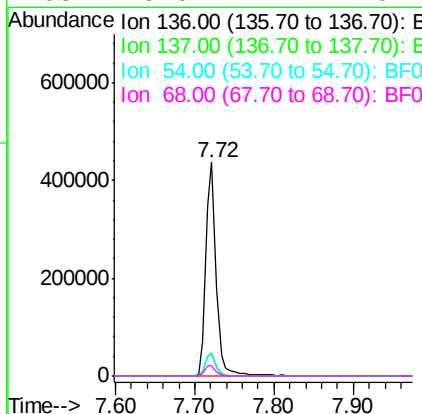
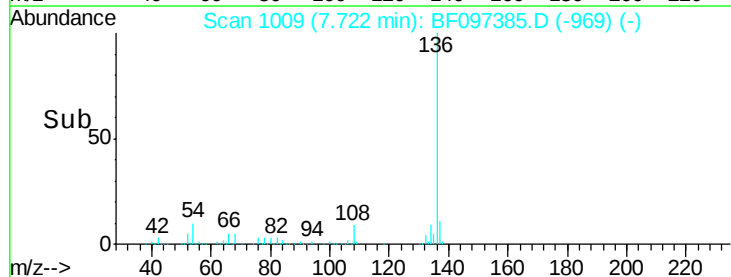
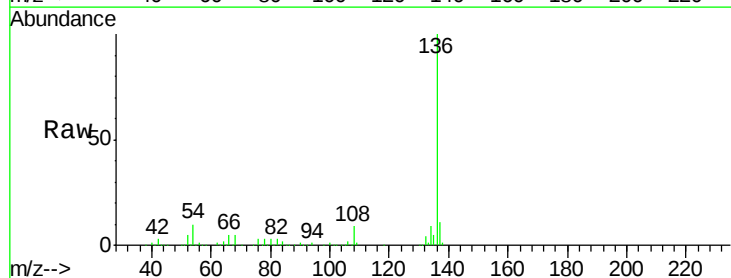
Instrument :
BNA_F
ClientSampleId :
E2-N9-ESW

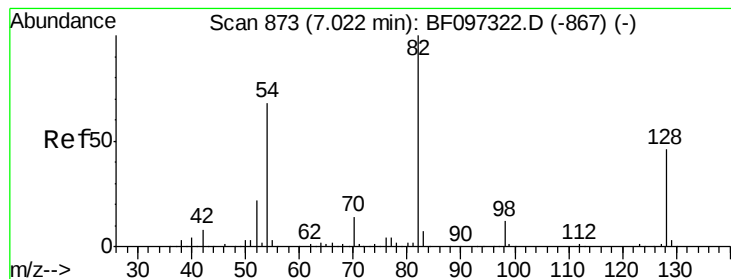
Tot Ion: 70 Resp: 45368
Ion Ratio Lower Upper
70 100
42 59.1 47.2 70.8
101 0.0 7.2 10.8#
130 1.9 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.72 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF097385.D
Acq: 5 Aug 2017 5:29

Tgt Ion:136 Resp: 402997
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 10.0 4.9 7.3#
68 5.0 4.1 6.1





#23

Nitrobenzene-d5

Concen: 48.76 ng

RT: 7.01 min Scan# 888

Delta R.T. -0.06 min

Lab File: BF097385.D

Acq: 5 Aug 2017 5:29

Instrument :

BNA_F

ClientSampleId :

E2-N9-ESW

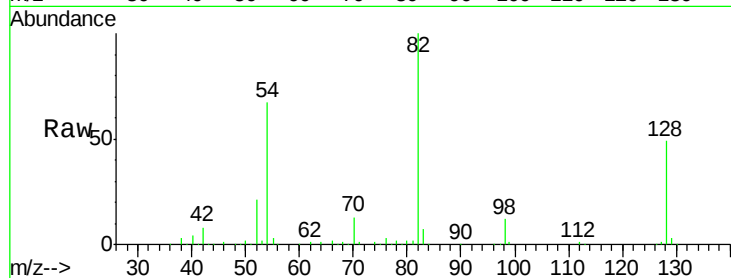
Tot Ion: 82 Resp: 334991

Ion Ratio Lower Upper

82 100

128 49.3 34.0 51.0

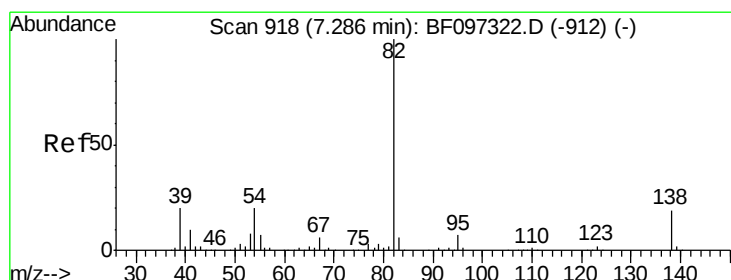
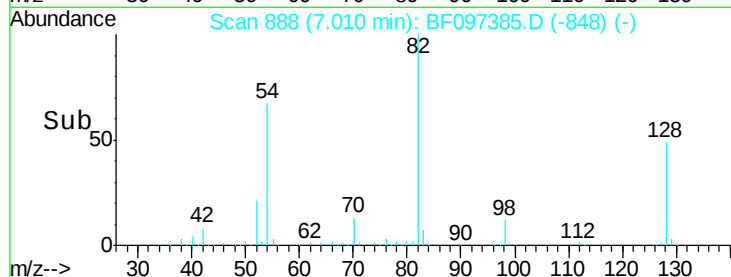
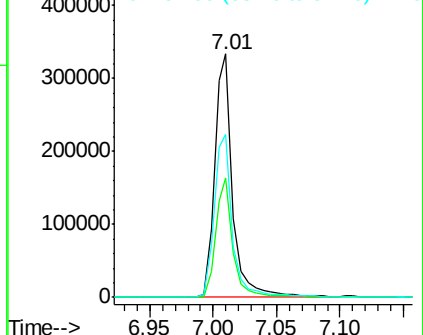
54 67.2 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 24.13 ng

RT: 7.01 min Scan# 888

Delta R.T. -0.33 min

Lab File: BF097385.D

Acq: 5 Aug 2017 5:29

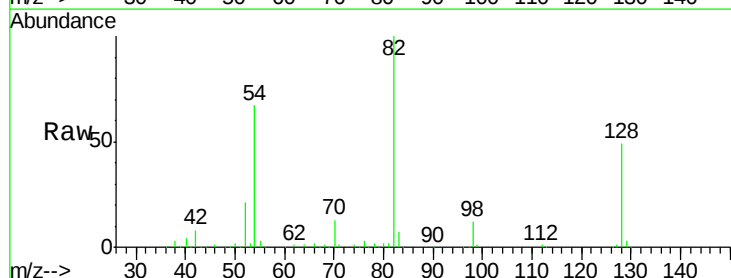
Tgt Ion: 82 Resp: 324634

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

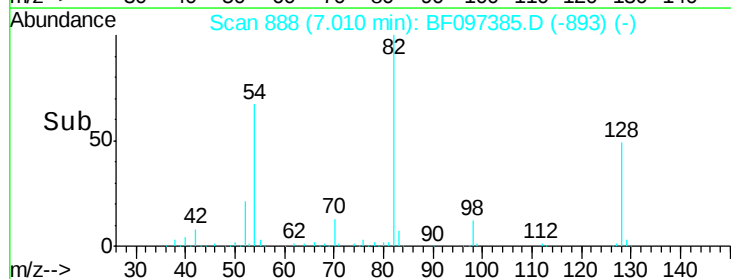
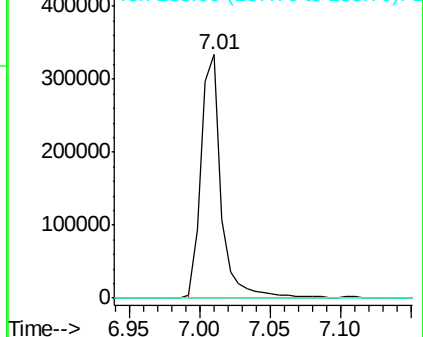
138 0.0 13.1 19.7#

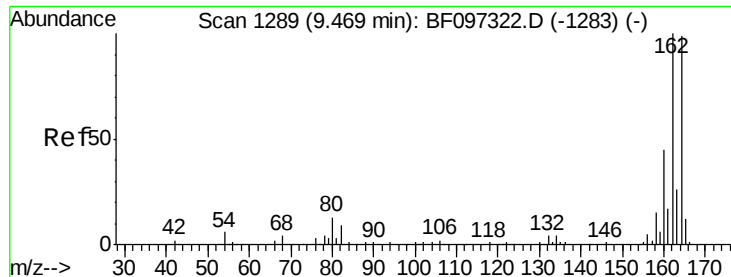


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.46 min Scan# 1304

Delta R.T. -0.08 min

Lab File: BF097385.D

Acq: 5 Aug 2017 5:29

Instrument :

BNA_F

ClientSampleId :

E2-N9-ESW

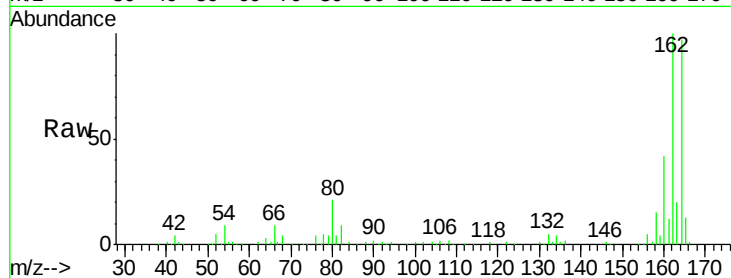
Tot Ion:164 Resp: 161718

Ion Ratio Lower Upper

164 100

162 102.6 82.6 123.8

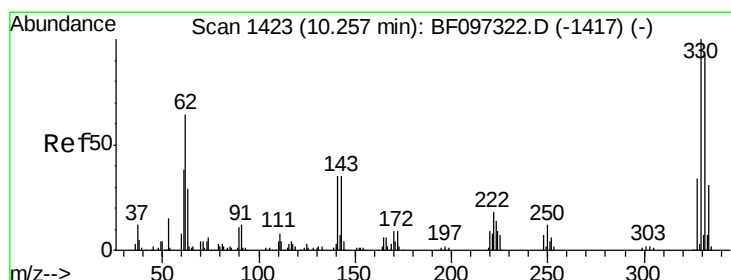
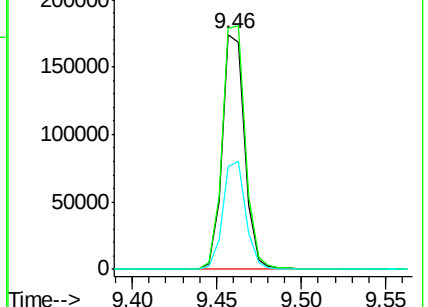
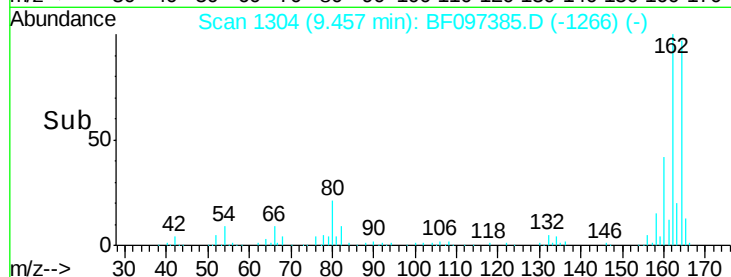
160 43.6 36.2 54.2



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: 71.29 ng

RT: 10.25 min Scan# 1439

Delta R.T. -0.07 min

Lab File: BF097385.D

Acq: 5 Aug 2017 5:29

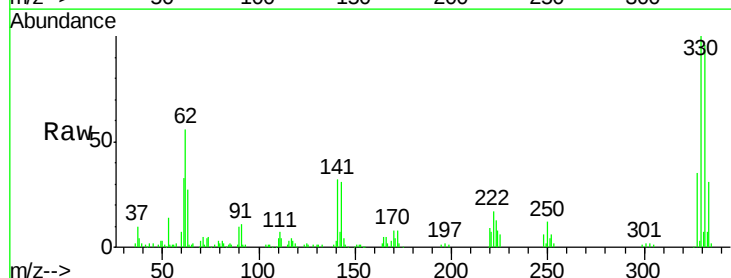
Tgt Ion:330 Resp: 91085

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

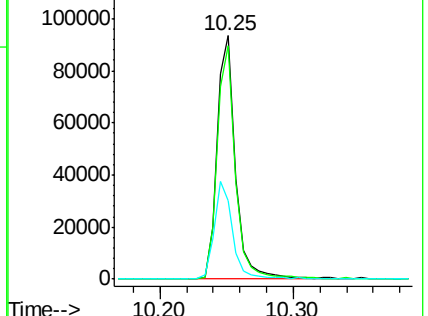
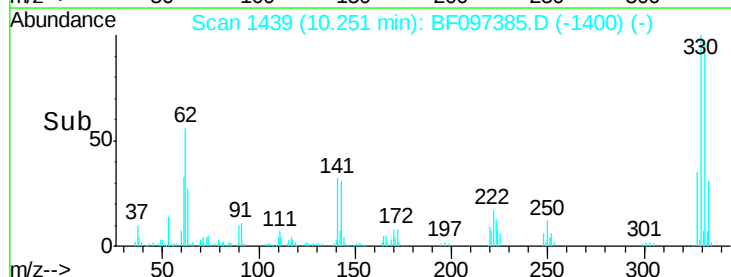
141 40.3 31.4 47.2

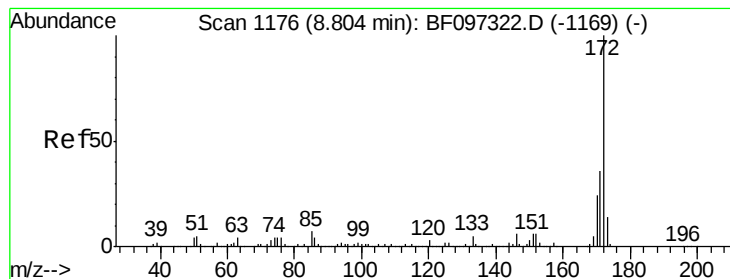


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

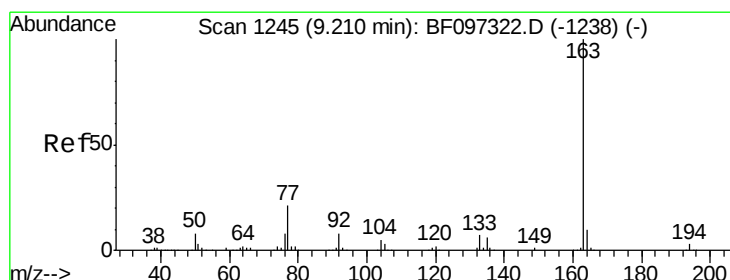
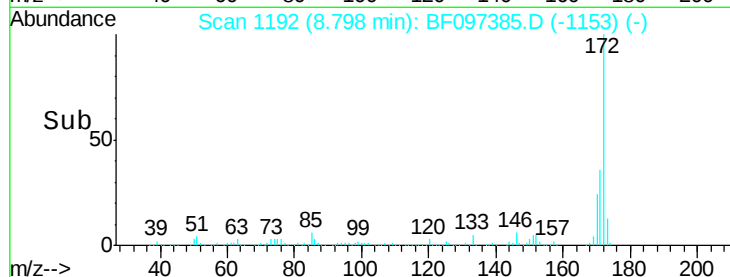
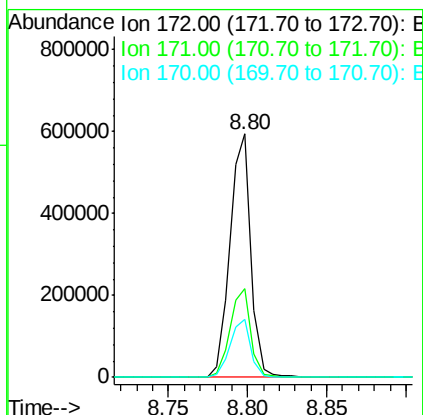
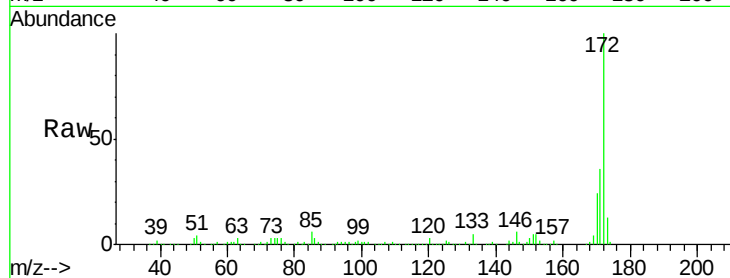




#44
2-Fluorobiphenyl
Concen: 56.83 ng
RT: 8.80 min Scan# 1192
Delta R.T. -0.07 min
Lab File: BF097385.D
Acq: 5 Aug 2017 5:29

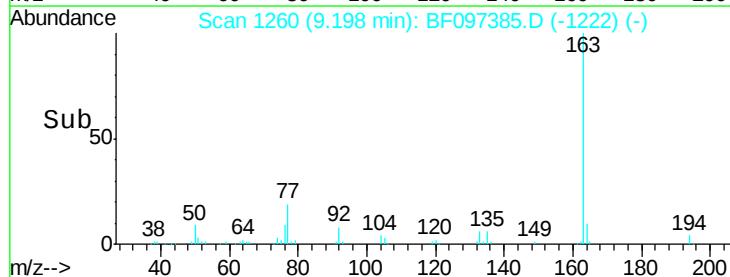
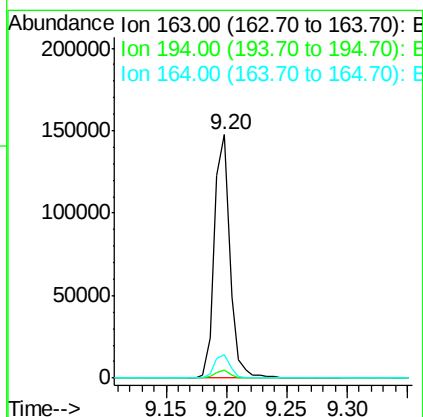
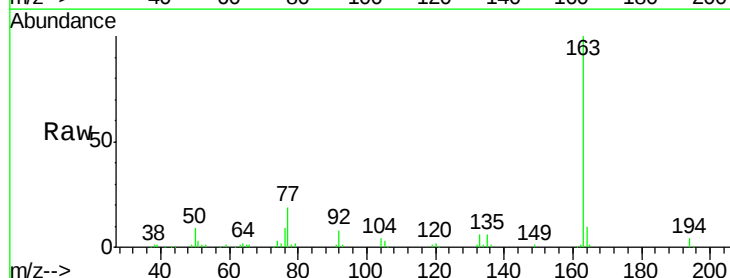
Instrument :
BNA_F
ClientSampleId :
E2-N9-ESW

Tot Ion:172 Resp: 541551
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 24.1 19.8 29.8



#49
Dimethylphthalate
Concen: 10.63 ng
RT: 9.20 min Scan# 1260
Delta R.T. -0.08 min
Lab File: BF097385.D
Acq: 5 Aug 2017 5:29

Tgt Ion:163 Resp: 130519
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.9 8.4 12.6

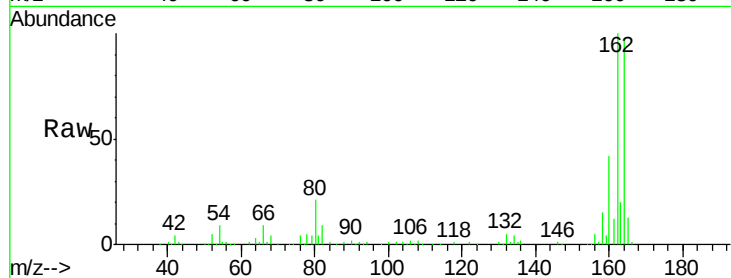




#56
 2,4-Dinitrotoluene
 Concen: 7.18 ng
 RT: 9.46 min Scan# 1304
 Delta R.T. -0.28 min
 Lab File: BF097385.D
 Acq: 5 Aug 2017 5:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-N9-ESW

Tot Ion:	165	Resp:	21491
Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

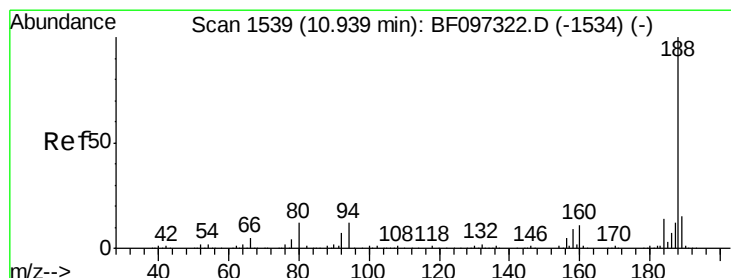
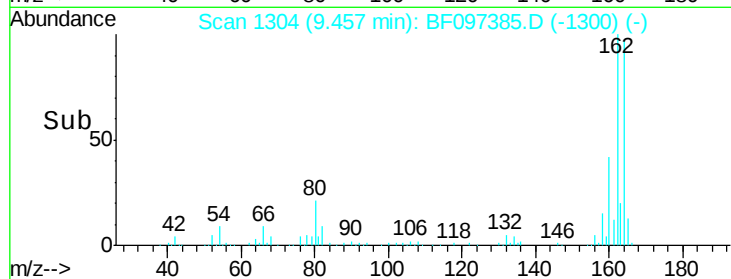
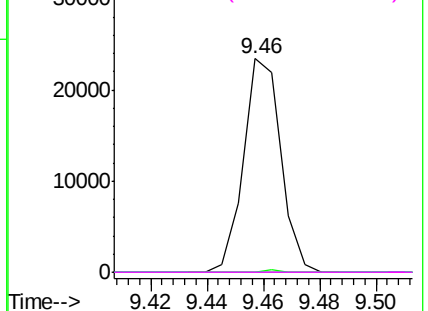


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

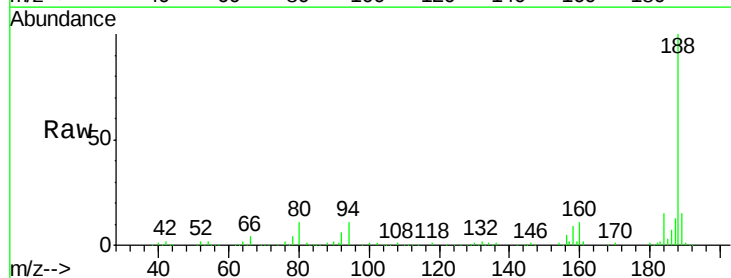
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.93 min Scan# 1555
 Delta R.T. -0.07 min
 Lab File: BF097385.D
 Acq: 5 Aug 2017 5:29

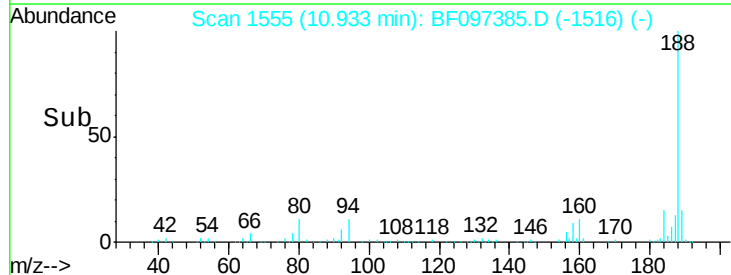
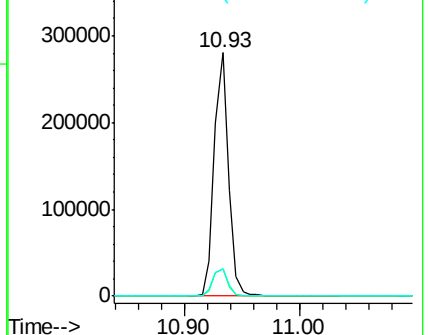
Tgt Ion:	188	Resp:	240767
Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.3	10.2	15.2



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

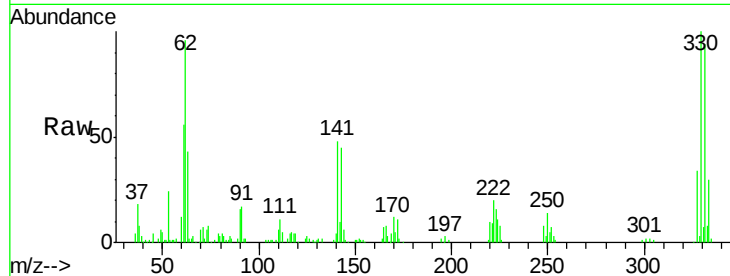




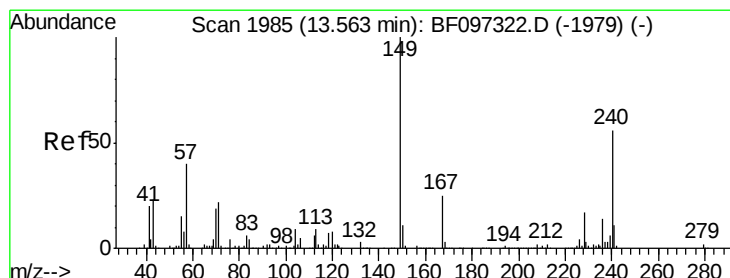
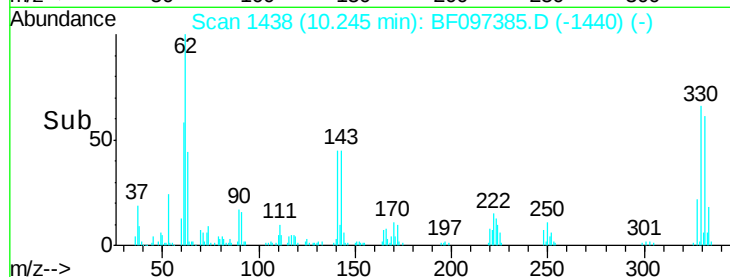
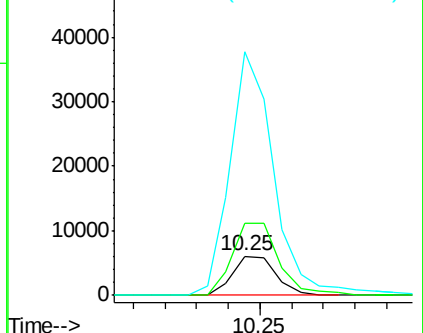
#66
 4-Bromophenyl-phenylether
 Concen: 2.39 ng
 RT: 10.25 min Scan# 1438
 Delta R.T. -0.31 min
 Lab File: BF097385.D
 Acq: 5 Aug 2017 5:29

Instrument :
 BNA_F
 ClientSampleId :
 E2-N9-ESW

Tot Ion:248 Resp: 5737
 Ion Ratio Lower Upper
 248 100
 250 184.3 76.8 115.2#
 141 622.1 68.6 103.0#

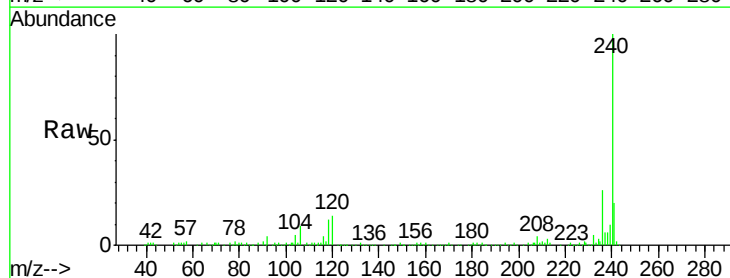


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

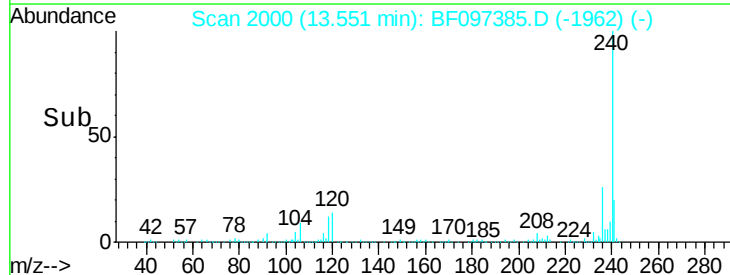
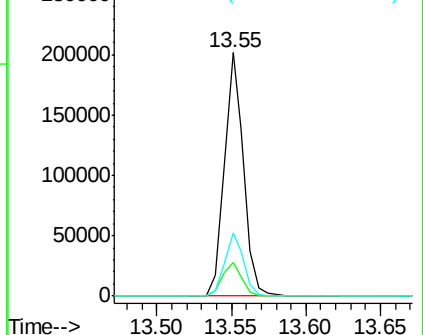


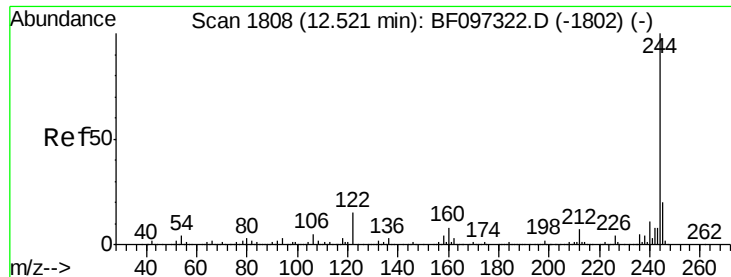
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.55 min Scan# 2000
 Delta R.T. -0.08 min
 Lab File: BF097385.D
 Acq: 5 Aug 2017 5:29

Tgt Ion:240 Resp: 182972
 Ion Ratio Lower Upper
 240 100
 120 13.9 5.8 8.8#
 236 26.1 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

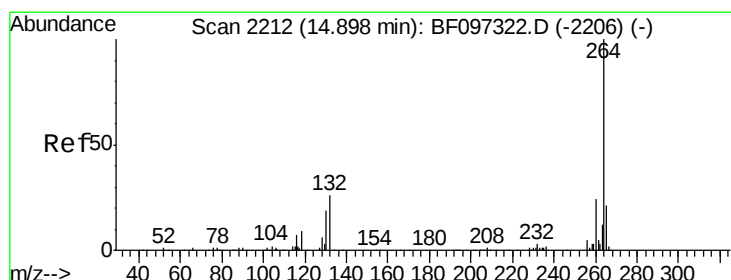
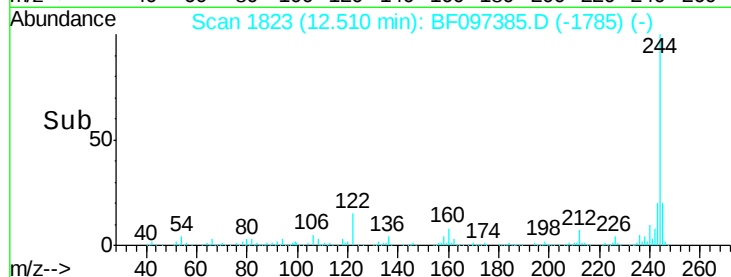
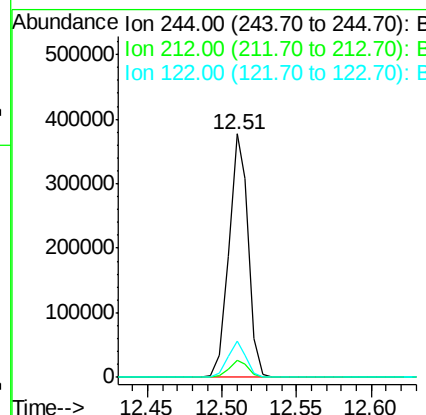
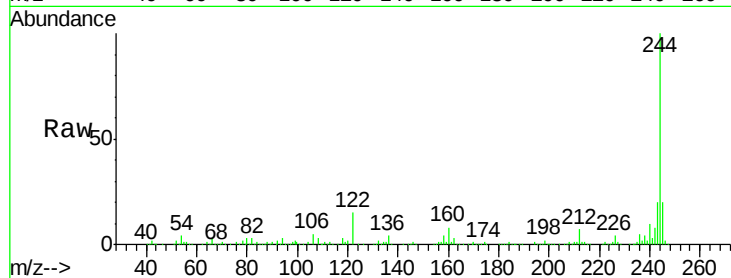




#78
 Terphenyl-d14
 Concen: 38.44 ng
 RT: 12.51 min Scan# 1823
 Delta R.T. -0.08 min
 Lab File: BF097385.D
 Acq: 5 Aug 2017 5:29

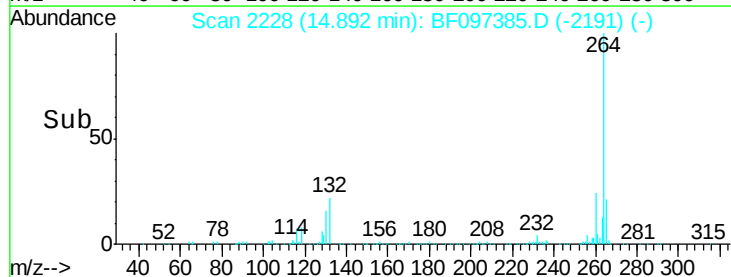
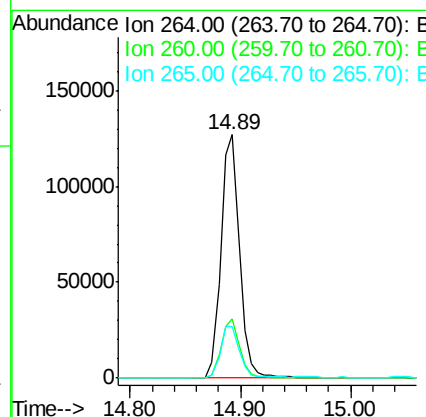
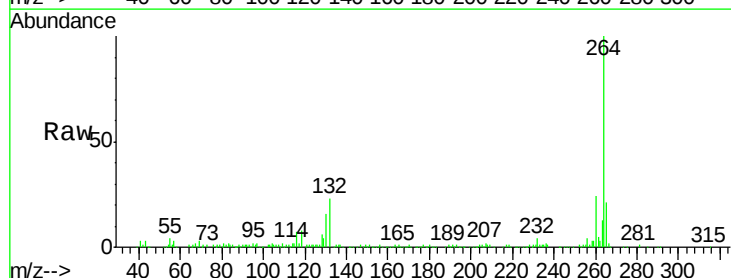
Instrument :
 BNA_F
 ClientSampleId :
 E2-N9-ESW

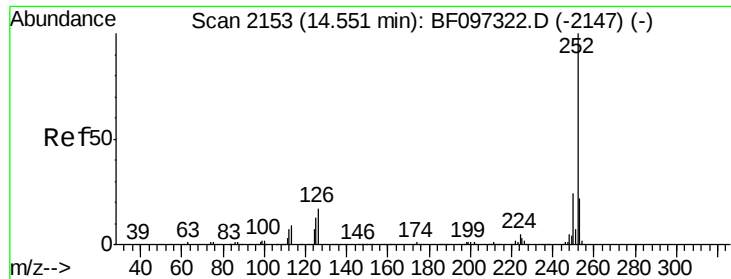
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	14.9	10.3	15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.89 min Scan# 2228
 Delta R.T. -0.08 min
 Lab File: BF097385.D
 Acq: 5 Aug 2017 5:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 2.03 ng

RT: 14.54 min Scan# 2169

Delta R.T. -0.07 min

Lab File: BF097385.D

Acq: 5 Aug 2017 5:29

Instrument :

BNA_F

ClientSampleId :

E2-N9-ESW

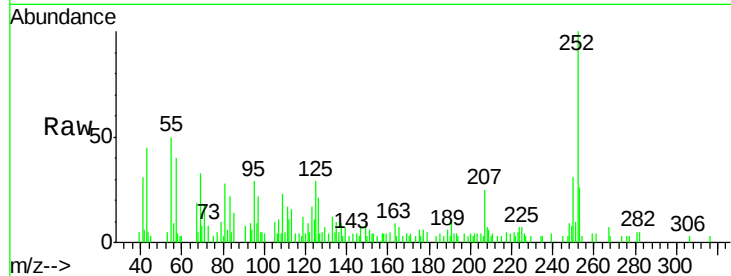
Tot Ion:252 Resp: 18148

Ion Ratio Lower Upper

252 100

253 26.2 18.1 27.1

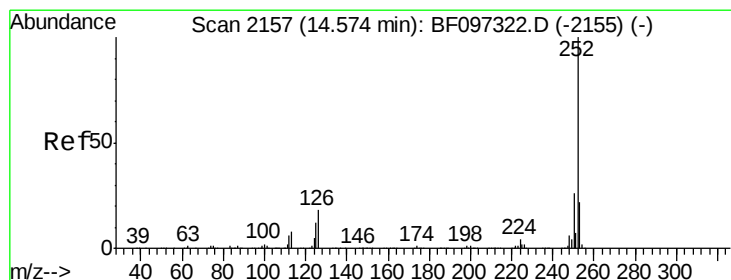
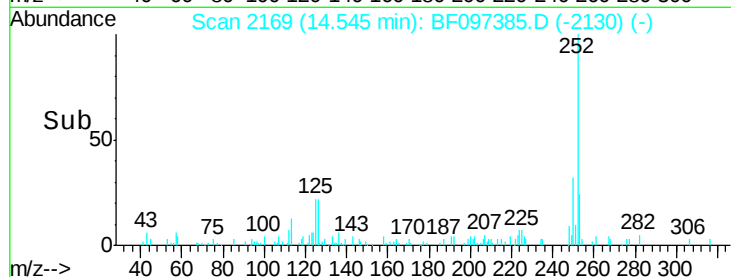
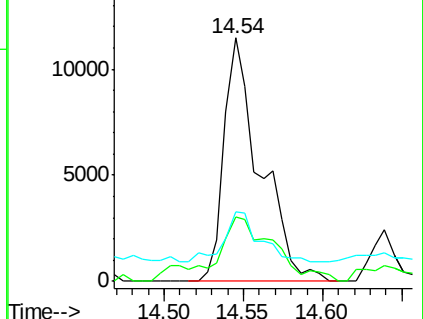
125 28.6 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 2.13 ng

RT: 14.54 min Scan# 2169

Delta R.T. -0.10 min

Lab File: BF097385.D

Acq: 5 Aug 2017 5:29

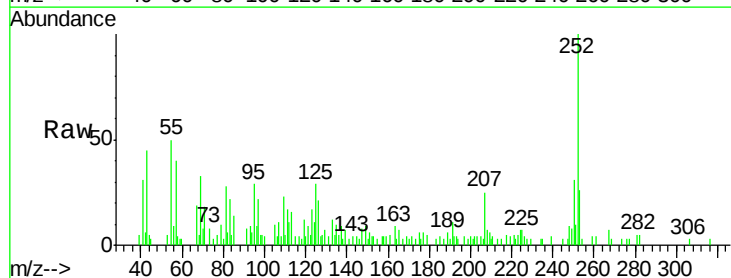
Tgt Ion:252 Resp: 18148

Ion Ratio Lower Upper

252 100

253 26.2 18.4 27.6

125 28.6 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

