

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097376.D
 Acq On : 5 Aug 2017 00:48
 Operator : SJ/JU
 Sample : I4582-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2

Quant Time: Aug 05 01:30:11 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

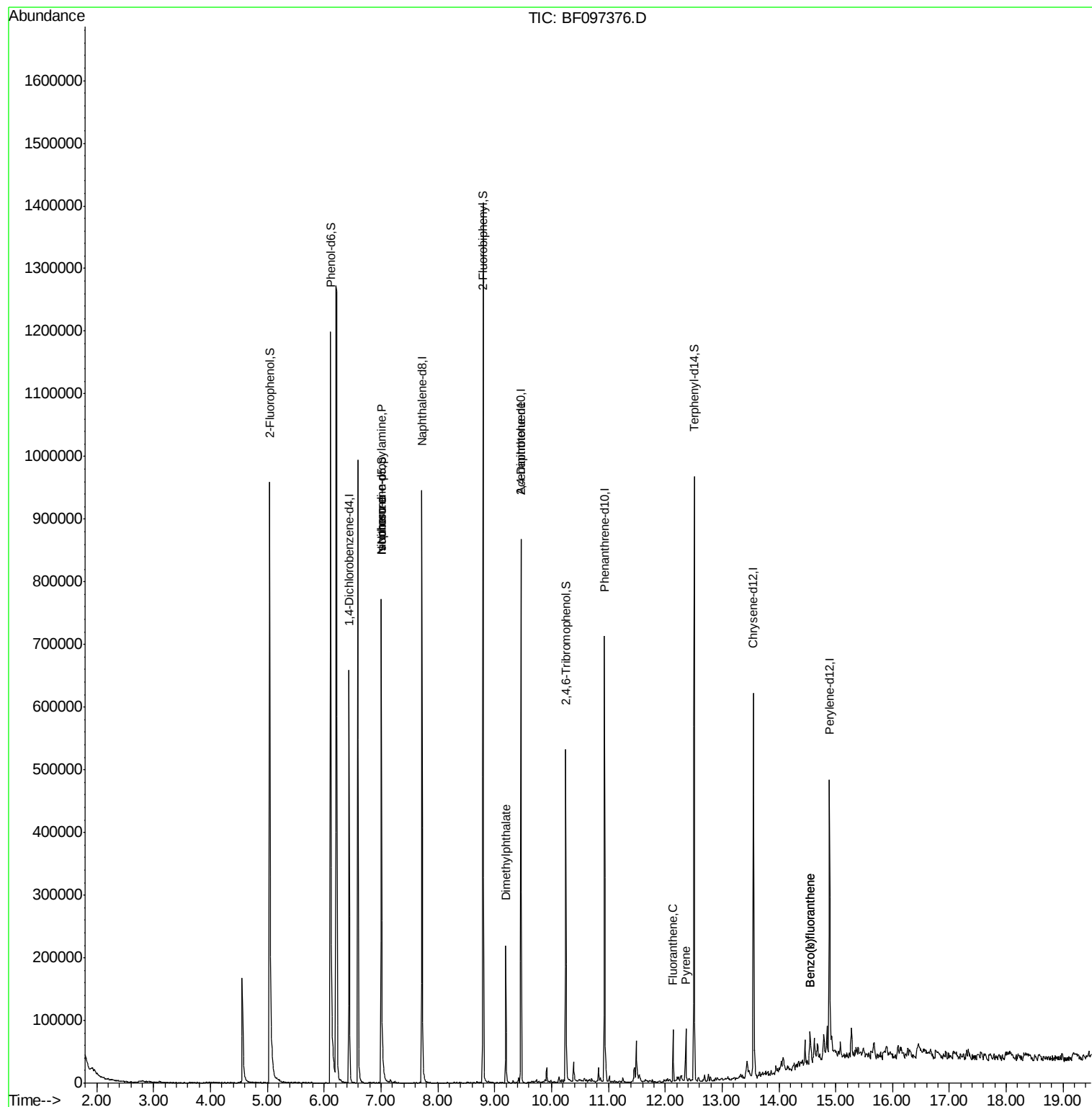
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	102107	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	437584	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	166628	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	239171	20.00	ng	-0.07
75) Chrysene-d12	13.55	240	194972	20.00	ng	-0.08
86) Perylene-d12	14.89	264	174259	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	356038	52.56	ng	-0.06
7) Phenol-d6	6.11	99	447218	57.84	ng	-0.06
23) Nitrobenzene-d5	7.00	82	262749	35.23	ng	-0.07
41) 2,4,6-Tribromophenol	10.25	330	62266	47.30	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	453979	46.24	ng	-0.07
78) Terphenyl-d14	12.51	244	265330	27.75	ng	-0.08
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.01	70	35324	6.94	ng	# 87
25) Isophorone	7.00	82	262047	17.94	ng	# 67
49) Dimethylphthalate	9.20	163	91934	7.27	ng	97
56) 2,4-Dinitrotoluene	9.46	165	21084	6.83	ng	# 32
74) Fluoranthene	12.14	202	34452	2.74	ng	96
77) Pyrene	12.36	202	32370	2.03	ng	96
87) Benzo(b)fluoranthene	14.54	252	26915	2.57	ng	# 97
88) Benzo(k)fluoranthene	14.54	252	26915	2.70	ng	99

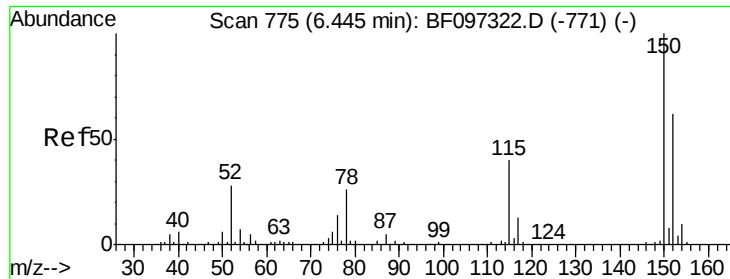
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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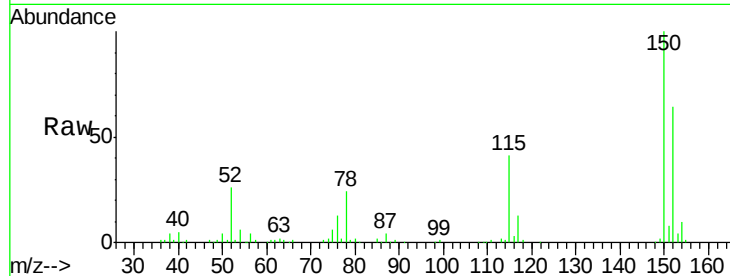


#1

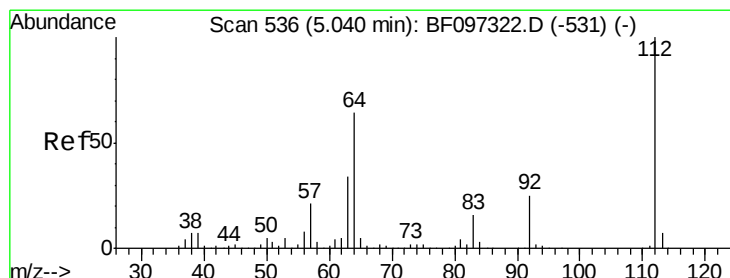
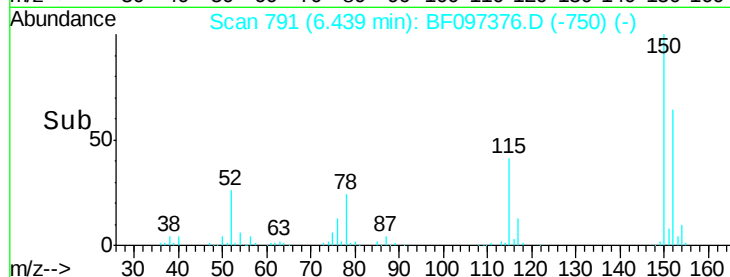
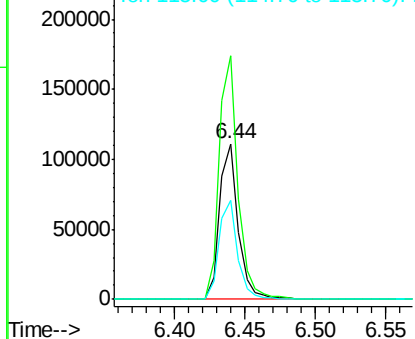
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097376.D
Acq: 5 Aug 2017 00:48

Instrument :
BNA_F
ClientSampleId :
S2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.2	189.2
115	63.6	52.2	78.2



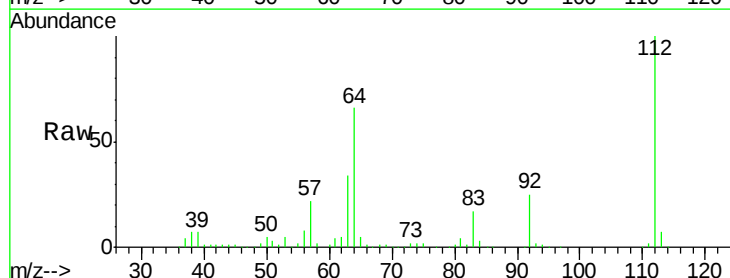
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



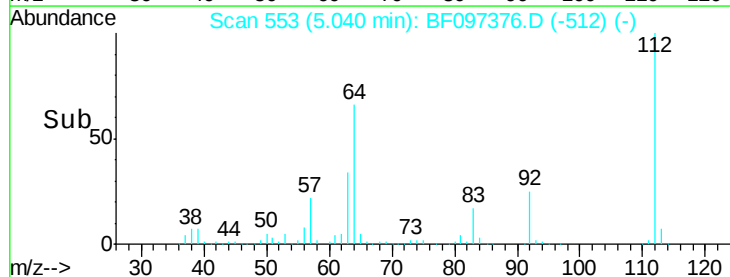
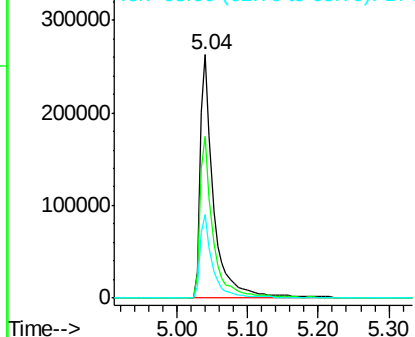
#5

2-Fluorophenol
Concen: 52.56 ng
RT: 5.04 min Scan# 553
Delta R.T. -0.06 min
Lab File: BF097376.D
Acq: 5 Aug 2017 00:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	46.0	69.0
63	34.2	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: 57.84 ng

RT: 6.11 min Scan# 735

Delta R.T. -0.06 min

Lab File: BF097376.D

Acq: 5 Aug 2017 00:48

Instrument :

BNA_F

ClientSampled :

S2

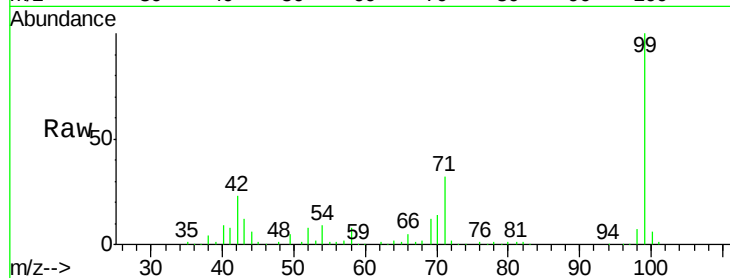
Tot Ion: 99 Resp: 447218

Ion Ratio Lower Upper

99 100

42 23.3 13.5 20.3#

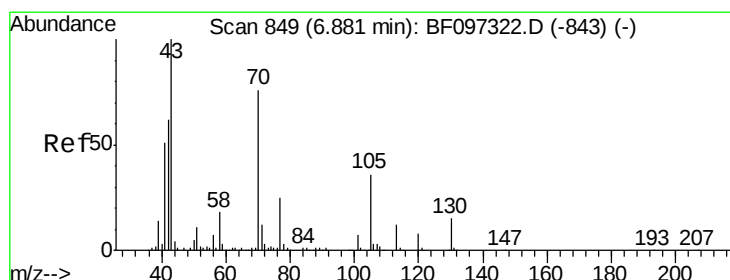
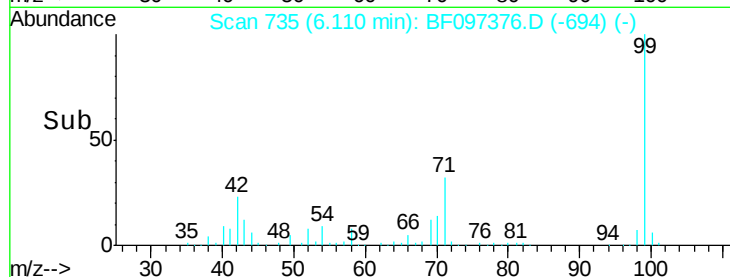
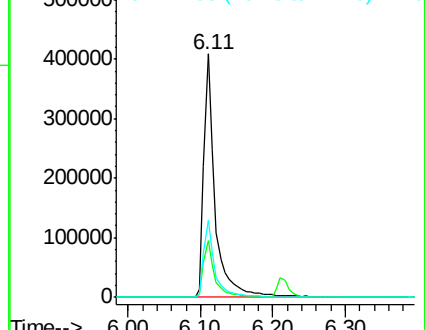
71 32.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 6.94 ng

RT: 7.01 min Scan# 888

Delta R.T. 0.08 min

Lab File: BF097376.D

Acq: 5 Aug 2017 00:48

Tgt Ion: 70 Resp: 35324

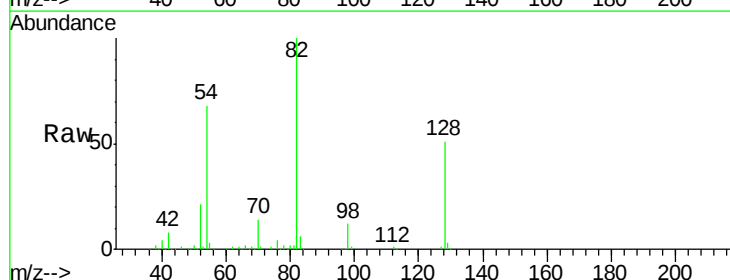
Ion Ratio Lower Upper

70 100

42 60.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

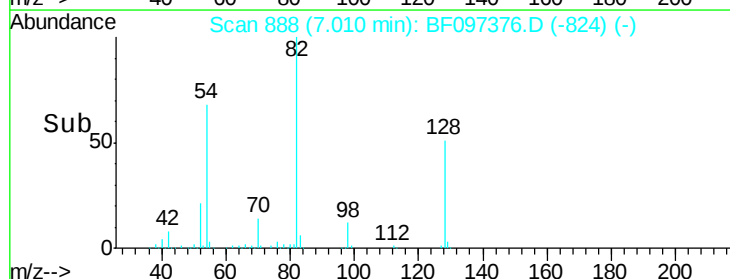
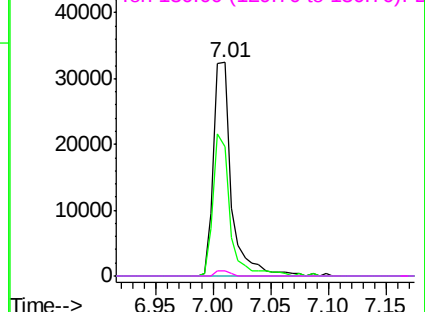


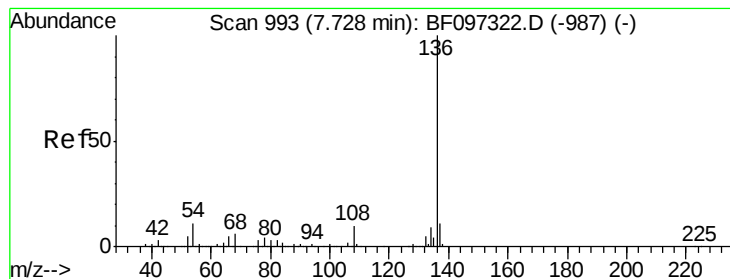
Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.72 min Scan# 1009

Delta R.T. -0.06 min

Lab File: BF097376.D

Acq: 5 Aug 2017 00:48

Instrument :

BNA_F

ClientSampleId :

S2

Tot Ion:136 Resp: 437584

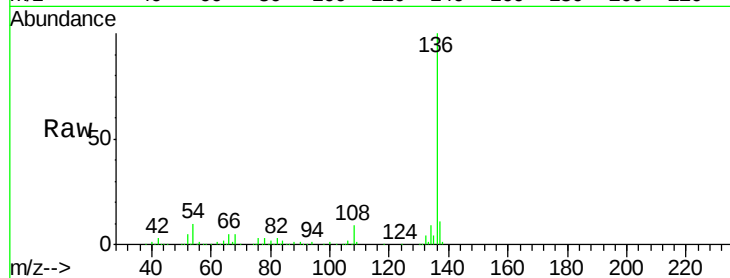
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.1 4.9 7.3#

68 5.2 4.1 6.1

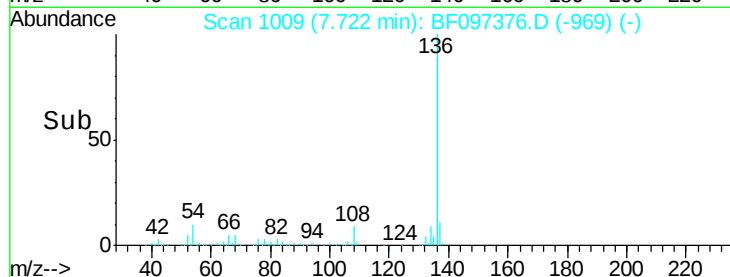


Abundance Ion 136.00 (135.70 to 136.70): E

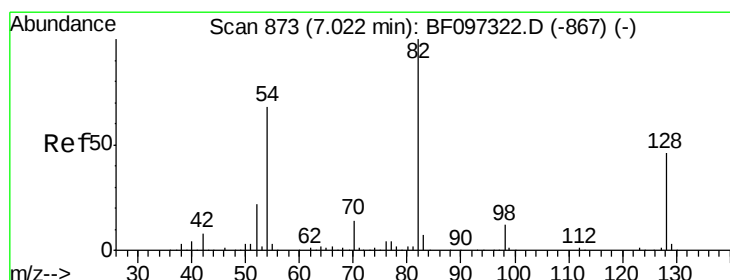
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 7.60 7.70 7.80 7.90



#23

Nitrobenzene-d5

Concen: 35.23 ng

RT: 7.00 min Scan# 887

Delta R.T. -0.07 min

Lab File: BF097376.D

Acq: 5 Aug 2017 00:48

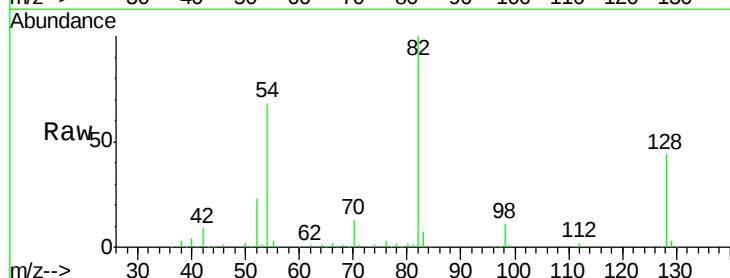
Tgt Ion: 82 Resp: 262749

Ion Ratio Lower Upper

82 100

128 44.1 34.0 51.0

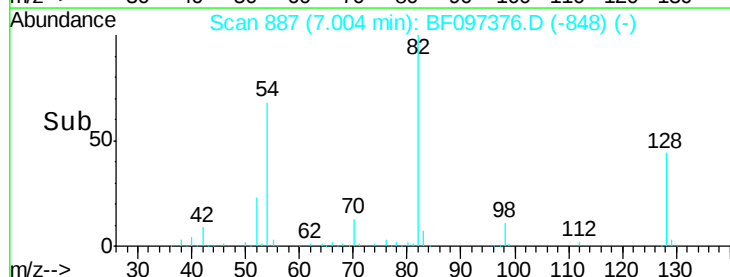
54 68.3 42.2 63.2#



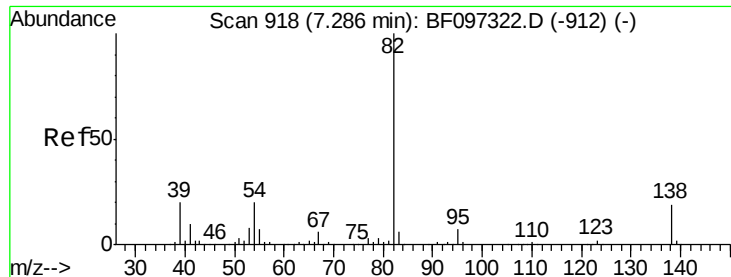
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 6.90 7.00 7.10 7.20



#25

Isophorone

Concen: 17.94 ng

RT: 7.00 min Scan# 887

Delta R.T. -0.34 min

Lab File: BF097376.D

Acq: 5 Aug 2017 00:48

Instrument :

BNA_F

ClientSampleId :

S2

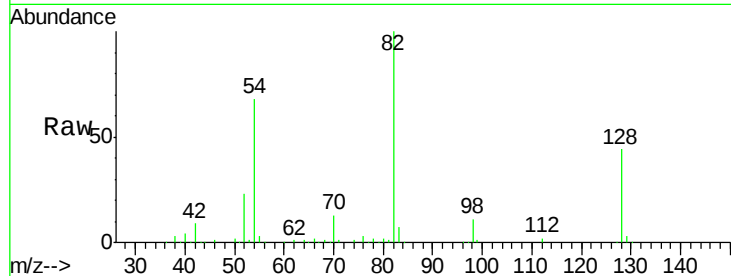
Tot Ion: 82 Resp: 262047

Ion Ratio Lower Upper

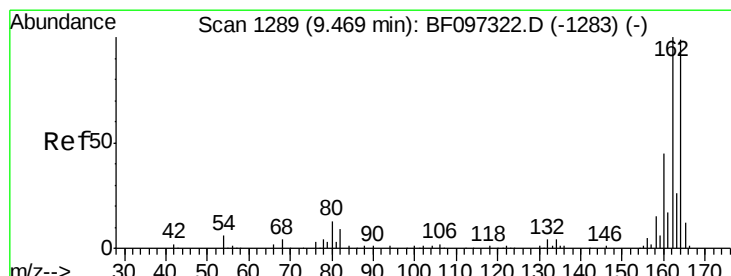
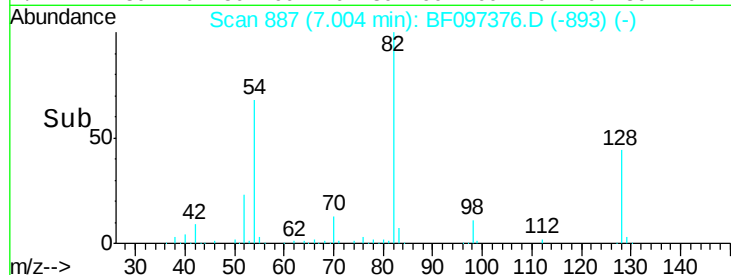
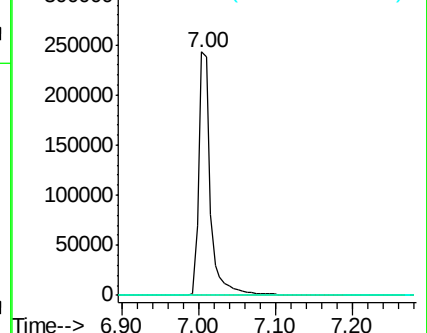
82 100

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# 1305

Delta R.T. -0.07 min

Lab File: BF097376.D

Acq: 5 Aug 2017 00:48

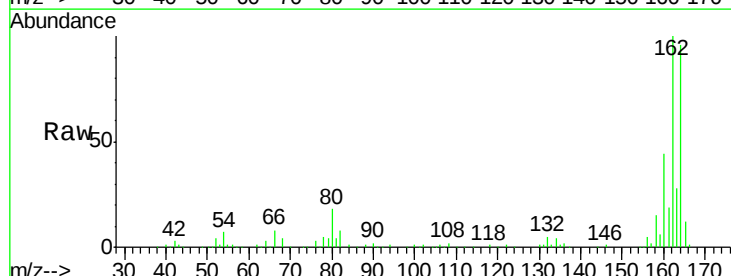
Tgt Ion:164 Resp: 166628

Ion Ratio Lower Upper

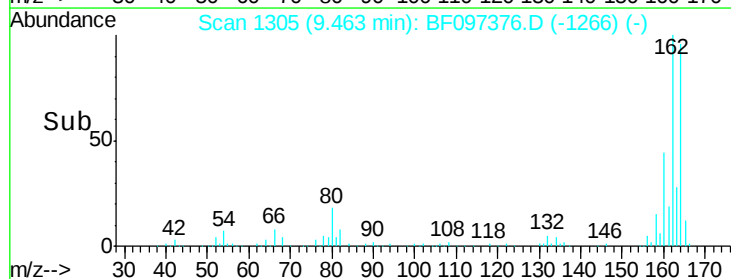
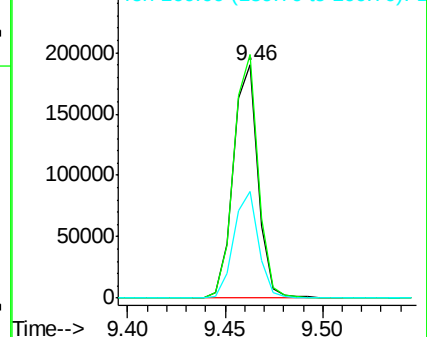
164 100

162 104.4 82.6 123.8

160 46.0 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

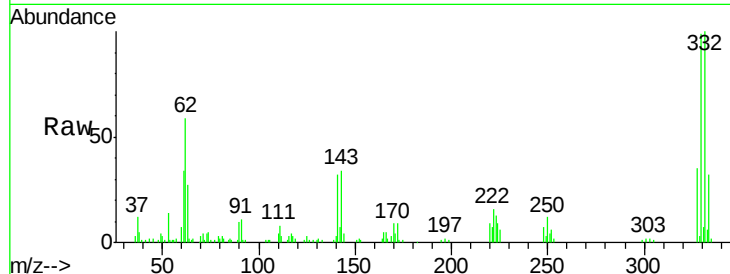




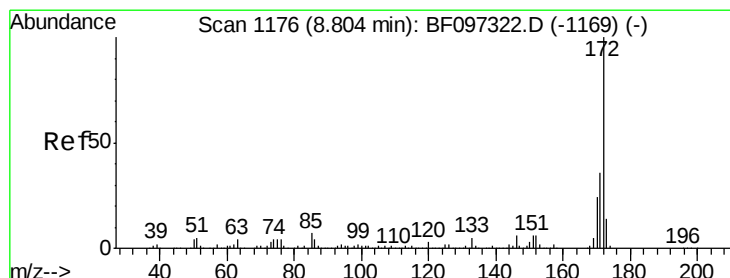
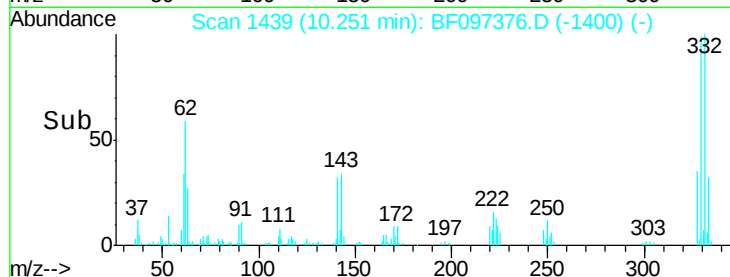
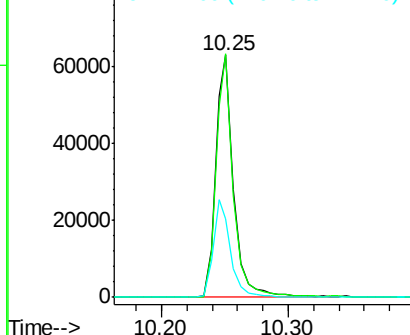
#41
 2,4,6-Tribromophenol
 Concen: 47.30 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.07 min
 Lab File: BF097376.D
 Acq: 5 Aug 2017 00:48

Instrument :
 BNA_F
 ClientSampleId :
 S2

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	115.0
141	39.4	31.4	47.2

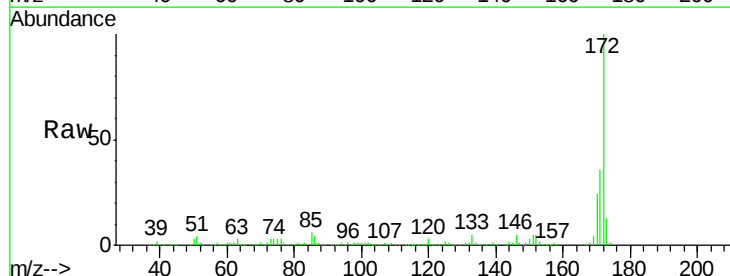


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

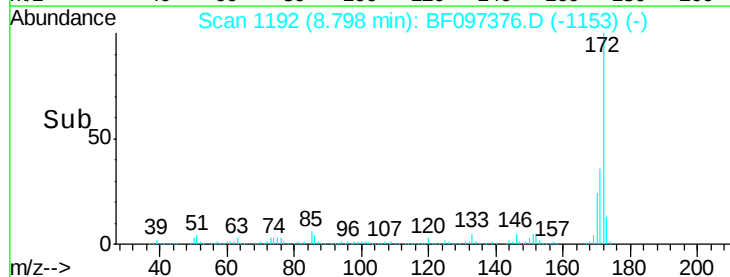
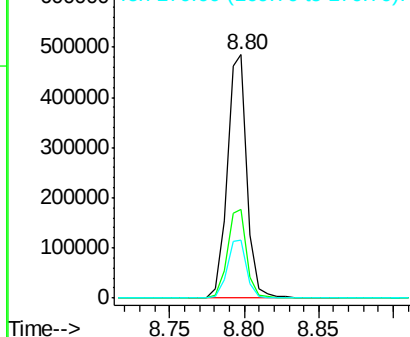


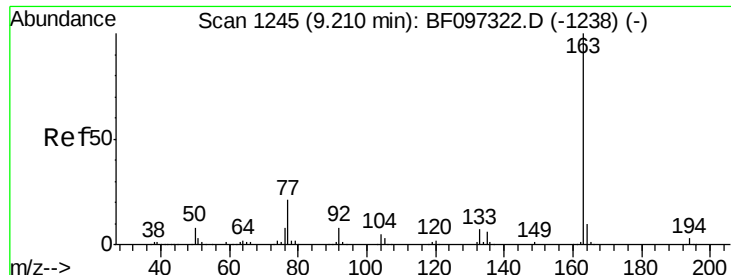
#44
 2-Fluorobiphenyl
 Concen: 46.24 ng
 RT: 8.80 min Scan# 1192
 Delta R.T. -0.07 min
 Lab File: BF097376.D
 Acq: 5 Aug 2017 00:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.8	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

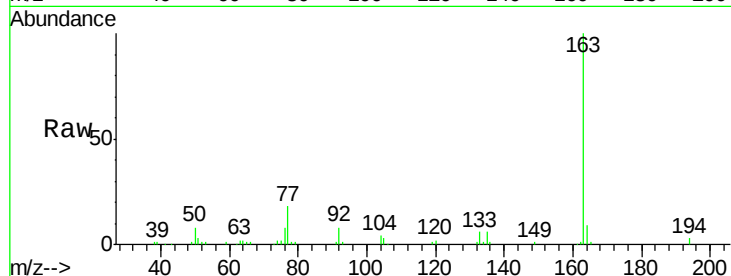




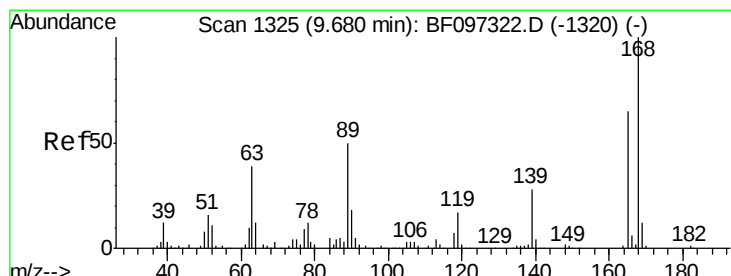
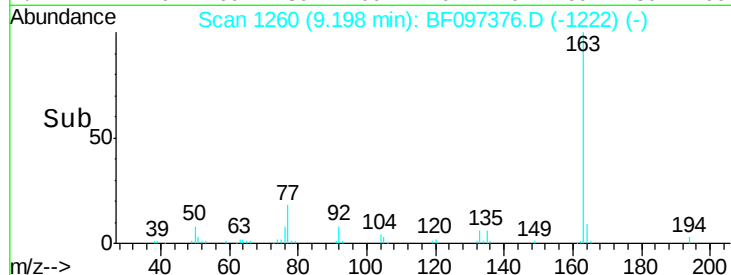
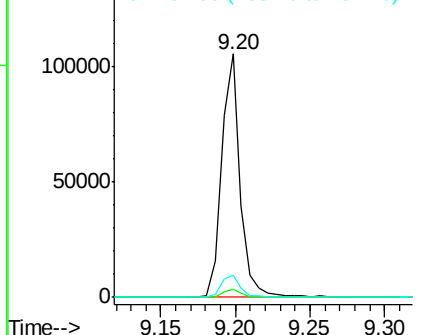
#49
Dimethylphthalate
Concen: 7.27 ng
RT: 9.20 min Scan# 1260
Delta R.T. -0.08 min
Lab File: BF097376.D
Acq: 5 Aug 2017 00:48

Instrument :
BNA_F
ClientSampleId :
S2

Tot Ion:163 Resp: 91934
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.2 8.4 12.6

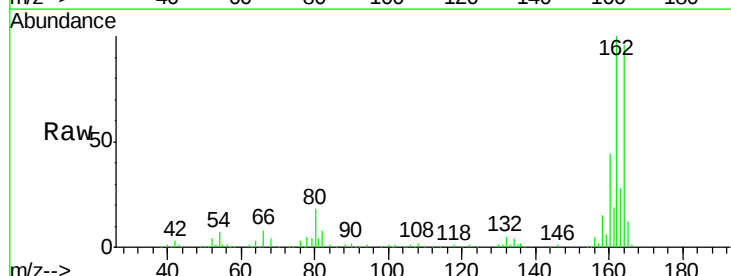


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

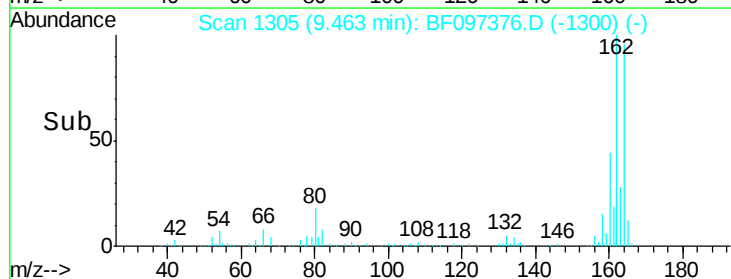
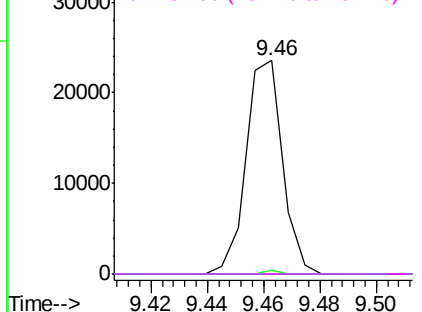


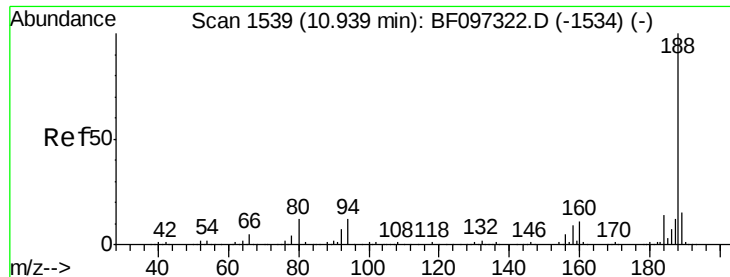
#56
2,4-Dinitrotoluene
Concen: 6.83 ng
RT: 9.46 min Scan# 1305
Delta R.T. -0.27 min
Lab File: BF097376.D
Acq: 5 Aug 2017 00:48

Tgt Ion:165 Resp: 21084
Ion Ratio Lower Upper
165 100
63 1.8 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

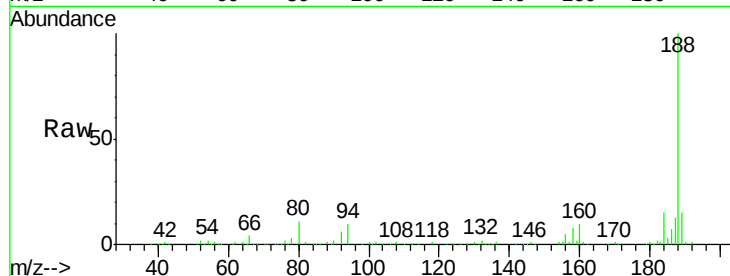




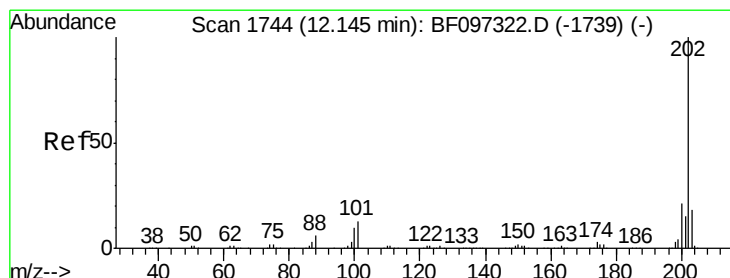
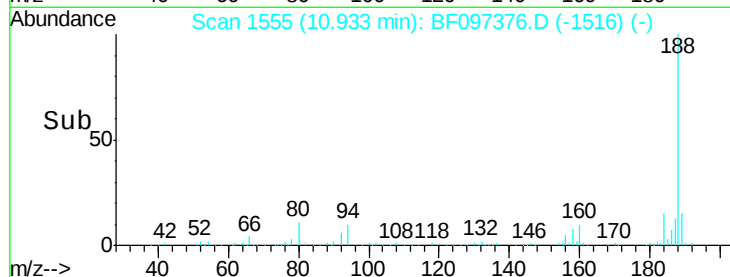
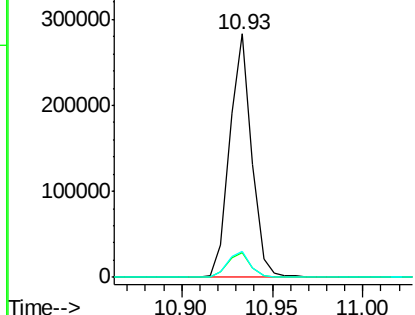
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.07 min
Lab File: BF097376.D
Acq: 5 Aug 2017 00:48

Instrument :
BNA_F
ClientSampleId :
S2

Tot Ion:188 Resp: 239171
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 10.9 10.2 15.2

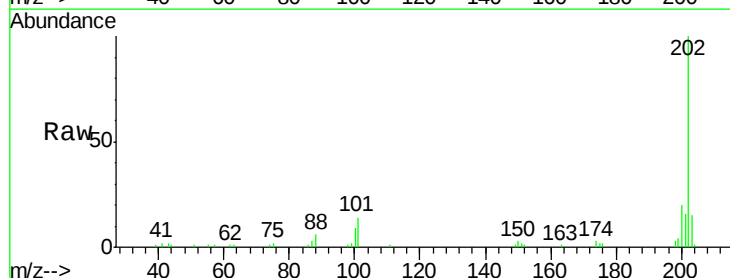


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

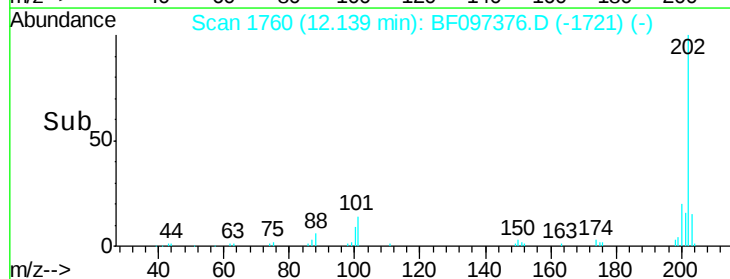
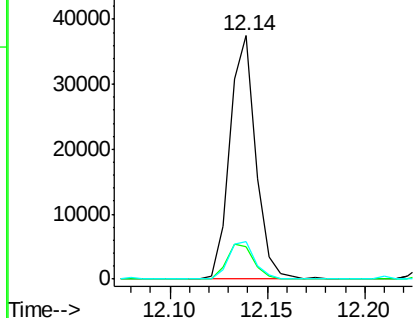


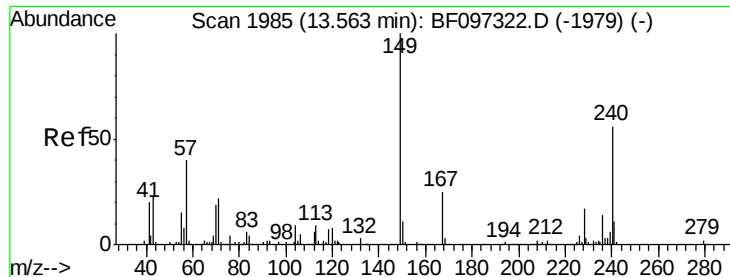
#74
Fluoranthene
Concen: 2.74 ng
RT: 12.14 min Scan# 1760
Delta R.T. -0.07 min
Lab File: BF097376.D
Acq: 5 Aug 2017 00:48

Tgt Ion:202 Resp: 34452
Ion Ratio Lower Upper
202 100
101 13.6 0.0 33.2
203 15.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.55 min Scan# 2000

Delta R.T. -0.08 min

Lab File: BF097376.D

Acq: 5 Aug 2017 00:48

Instrument :

BNA_F

ClientSampleId :

S2

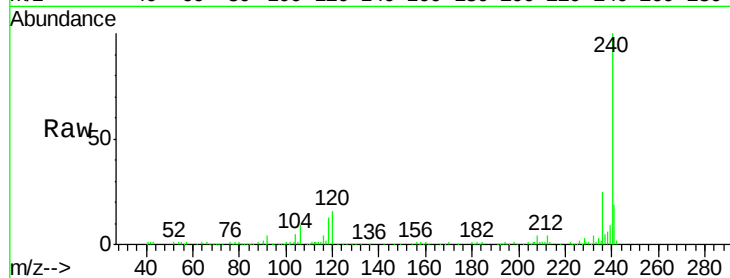
Tot Ion:240 Resp: 194972

Ion Ratio Lower Upper

240 100

120 16.0 5.8 8.8#

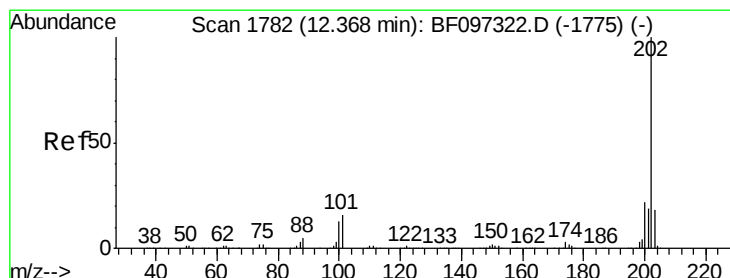
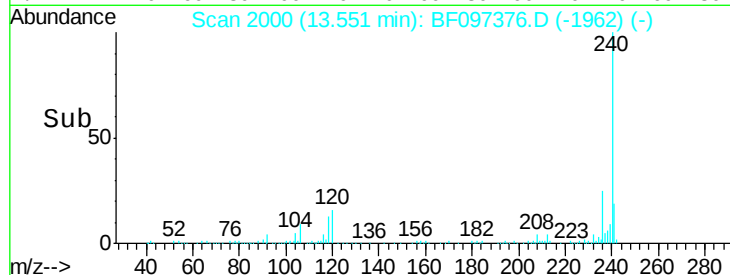
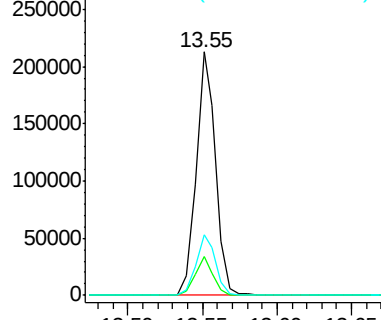
236 24.6 20.5 30.7



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: 2.03 ng

RT: 12.36 min Scan# 1798

Delta R.T. -0.07 min

Lab File: BF097376.D

Acq: 5 Aug 2017 00:48

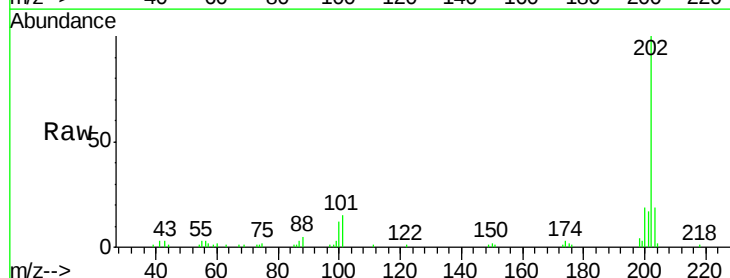
Tgt Ion:202 Resp: 32370

Ion Ratio Lower Upper

202 100

200 19.3 17.6 26.4

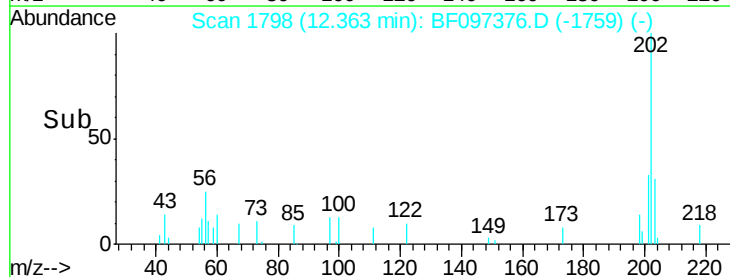
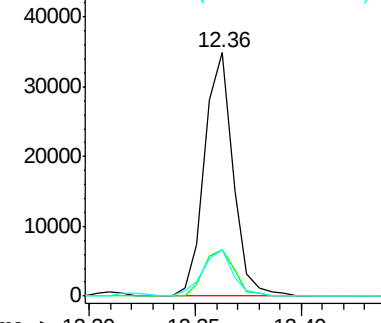
203 19.2 14.4 21.6

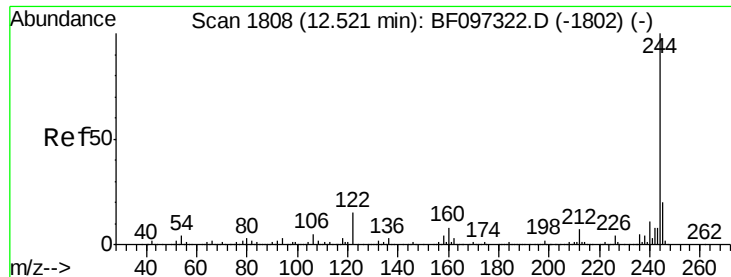


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

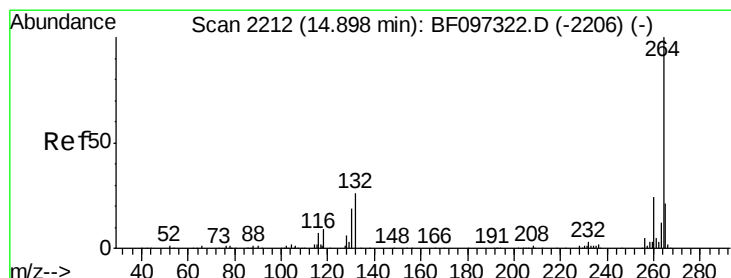
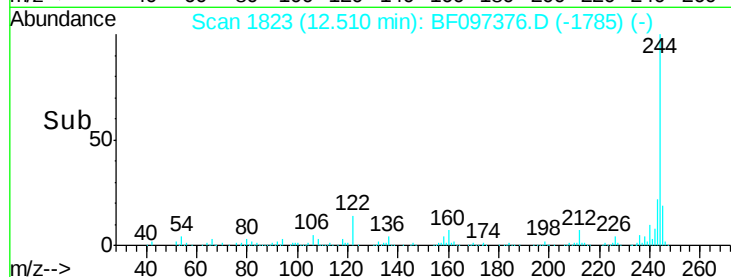
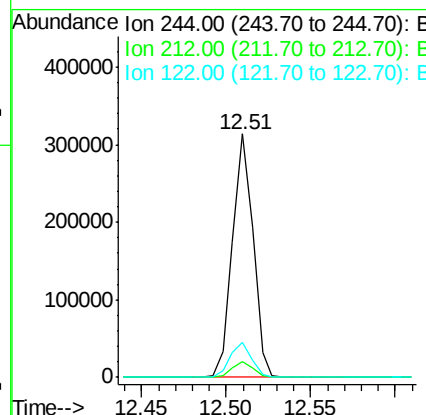
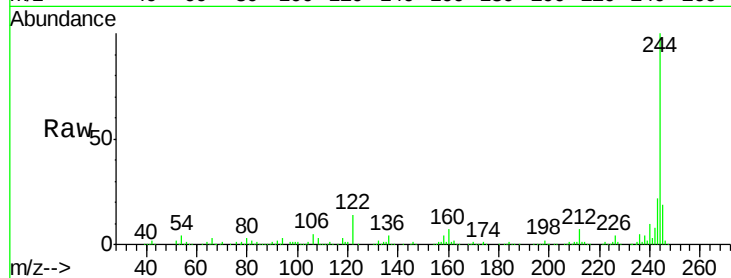




#78
 Terphenyl-d14
 Concen: 27.75 ng
 RT: 12.51 min Scan# 1823
 Delta R.T. -0.08 min
 Lab File: BF097376.D
 Acq: 5 Aug 2017 00:48

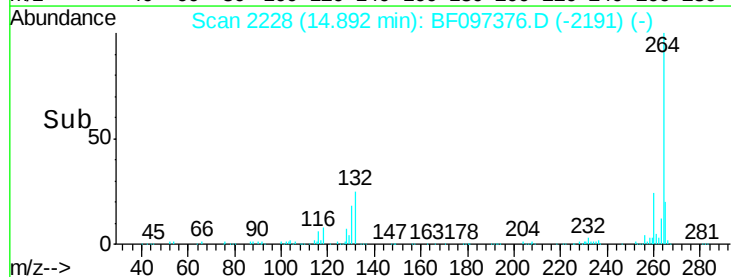
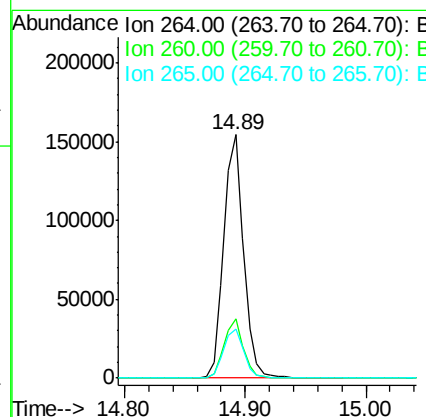
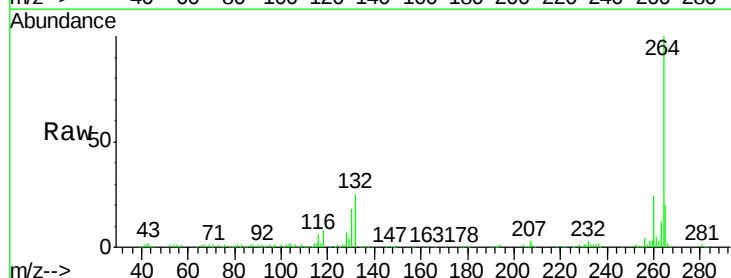
Instrument :
 BNA_F
 ClientSampleId :
 S2

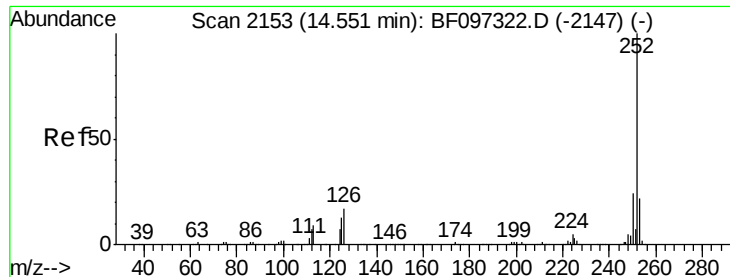
Tot Ion:244 Resp: 265330
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 14.5 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.89 min Scan# 2228
 Delta R.T. -0.08 min
 Lab File: BF097376.D
 Acq: 5 Aug 2017 00:48

Tgt Ion:264 Resp: 174259
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.5 29.3
 265 20.4 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.57 ng

RT: 14.54 min Scan# 2169

Delta R.T. -0.07 min

Lab File: BF097376.D

Acq: 5 Aug 2017 00:48

Instrument :

BNA_F

ClientSampleId :

S2

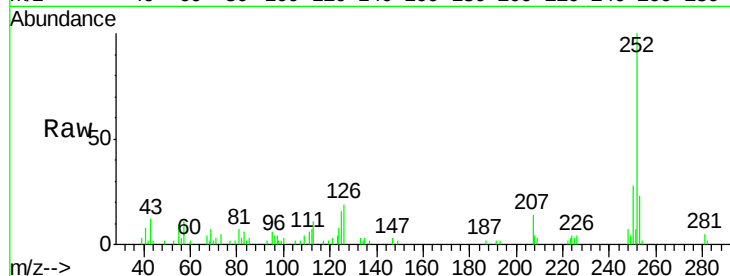
Tot Ion:252 Resp: 26915

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

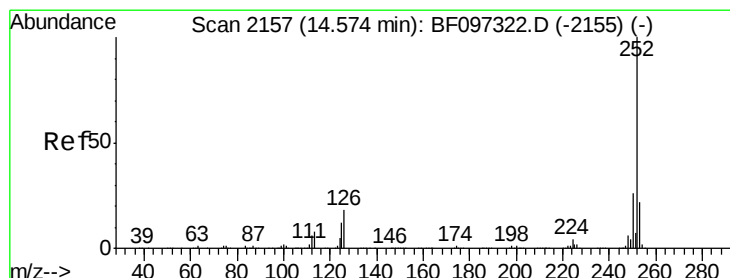
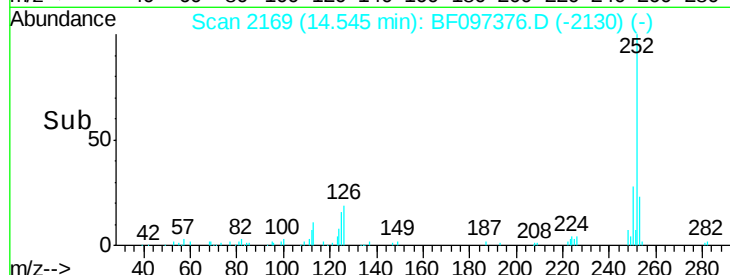
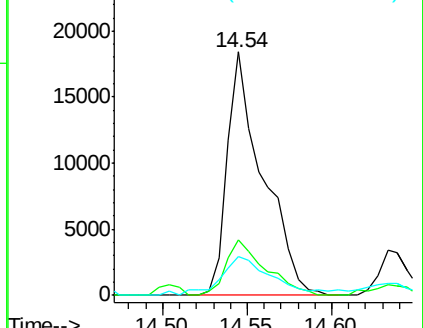
125 15.8 9.8 14.8#



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: 2.70 ng

RT: 14.54 min Scan# 2169

Delta R.T. -0.10 min

Lab File: BF097376.D

Acq: 5 Aug 2017 00:48

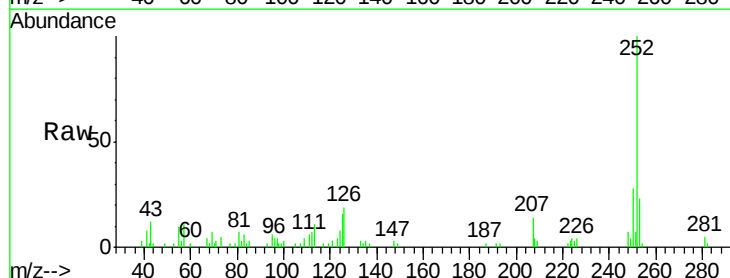
Tgt Ion:252 Resp: 26915

Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

125 15.8 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

