

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097449.D
 Acq On : 8 Aug 2017 00:37
 Operator : SJ/JU
 Sample : I4582-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2

Quant Time: Aug 08 04:52:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

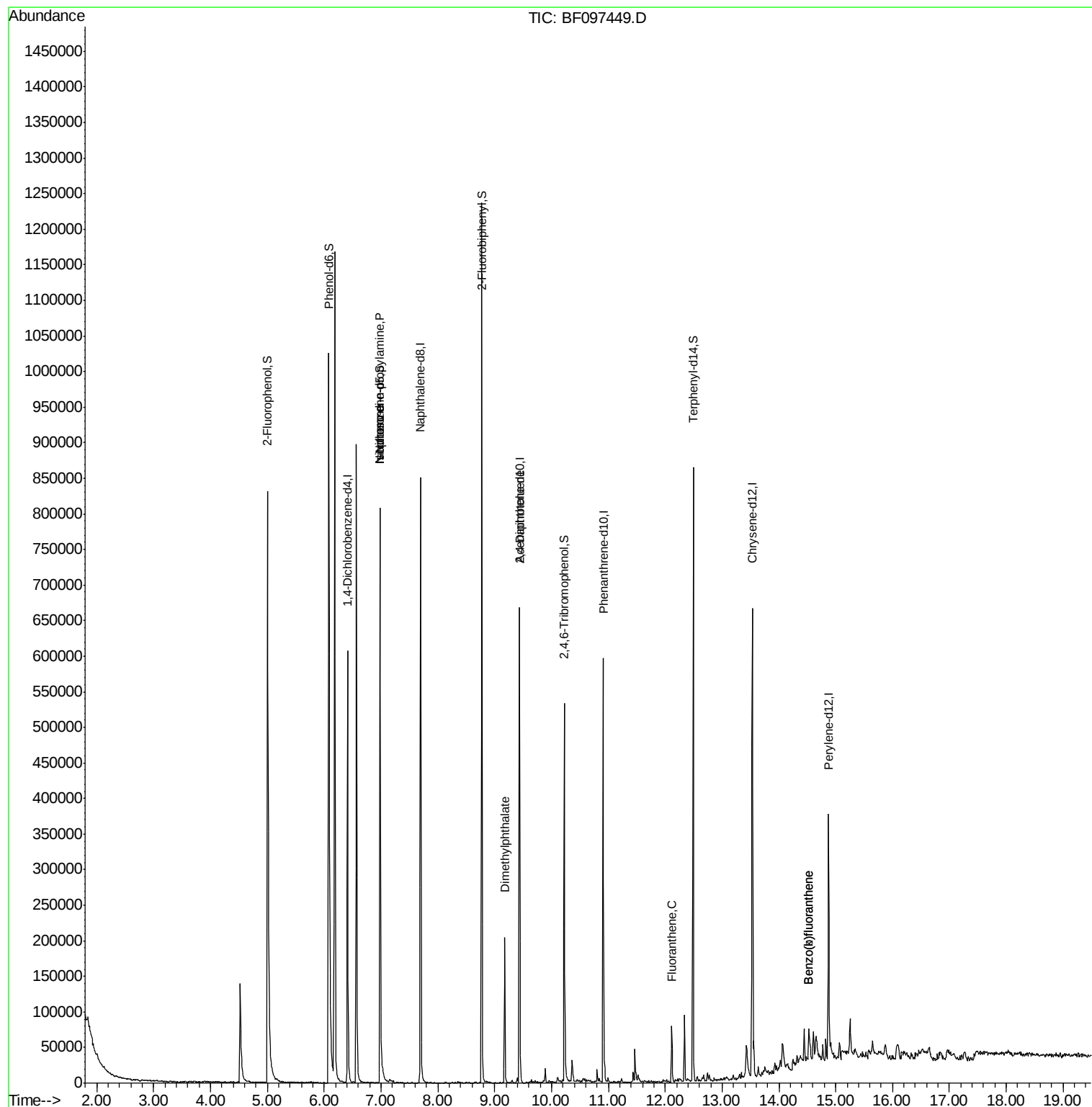
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.41	152	92116	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	386352	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	138688	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	204363	20.00	ng	0.00
75) Chrysene-d12	13.53	240	207334	20.00	ng	0.00
86) Perylene-d12	14.87	264	133730	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	325187	53.22	ng	0.00
7) Phenol-d6	6.08	99	401352	57.53	ng	0.00
23) Nitrobenzene-d5	6.98	82	250595	38.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	56690	51.74	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	374758	45.86	ng	0.00
78) Terphenyl-d14	12.49	244	254723	25.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.98	70	33405	7.27	ng	# 86
25) Isophorone	6.98	82	250592	19.43	ng	# 67
49) Dimethylphthalate	9.17	163	80217	7.62	ng	97
56) 2,4-Dinitrotoluene	9.43	165	16895	6.58	ng	# 32
74) Fluoranthene	12.12	202	30966	2.89	ng	98
87) Benzo(b)fluoranthene	14.53	252	25336	3.15	ng	# 90
88) Benzo(k)fluoranthene	14.53	252	25336	3.31	ng	93

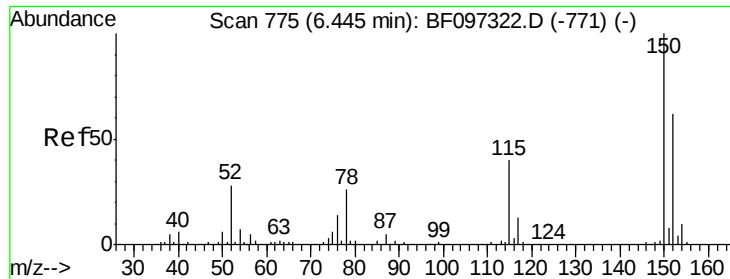
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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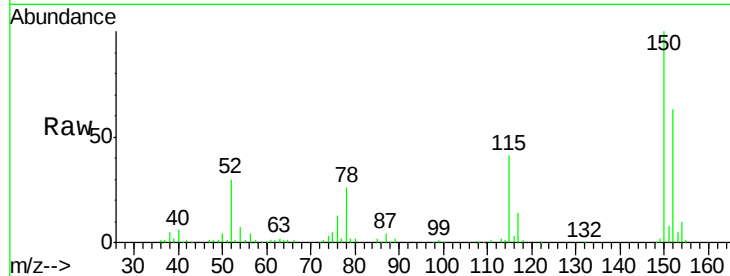


#1

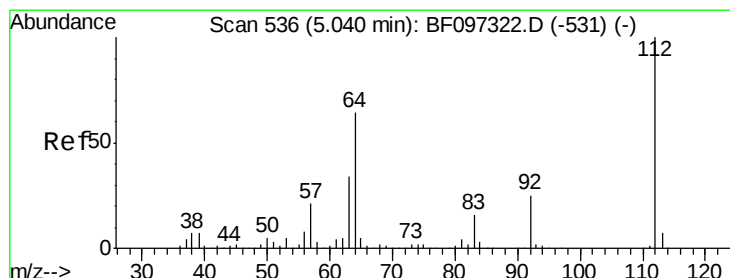
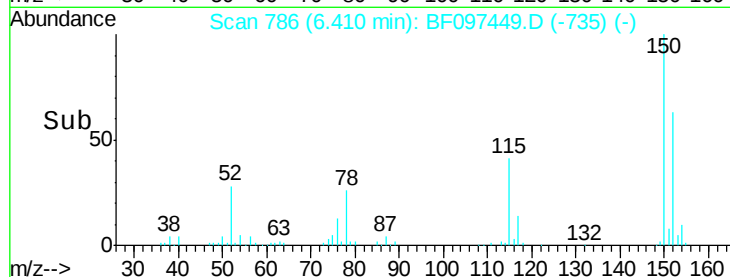
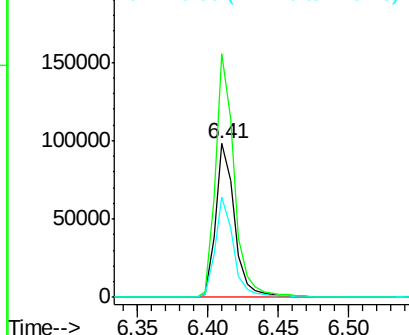
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097449.D
Acq: 8 Aug 2017 00:37

Instrument :
BNA_F
ClientSampled :
S2

Tot Ion:152 Resp: 92116
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.2
115 65.2 52.2 78.2



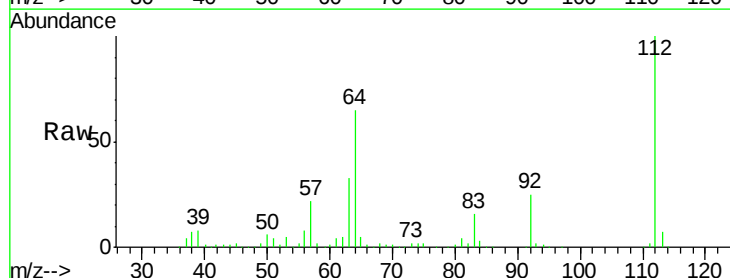
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



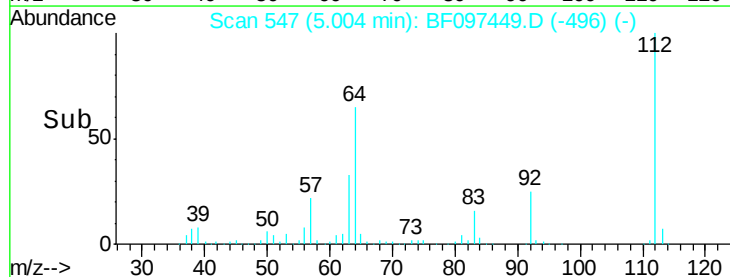
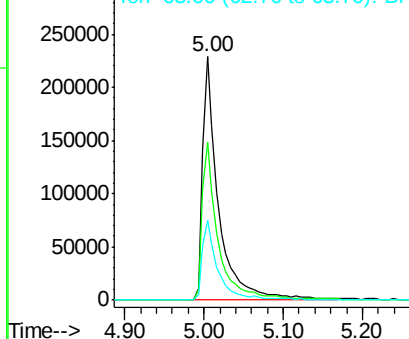
#5

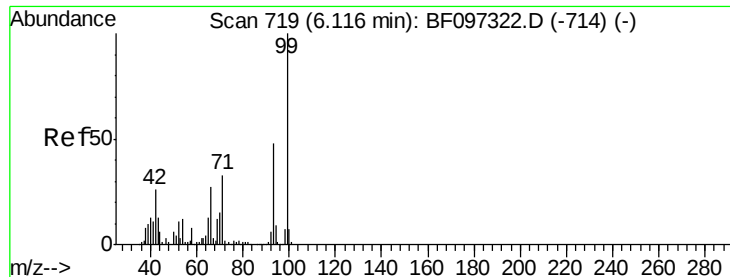
2-Fluorophenol
Concen: 53.22 ng
RT: 5.00 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF097449.D
Acq: 8 Aug 2017 00:37

Tgt Ion:112 Resp: 325187
Ion Ratio Lower Upper
112 100
64 64.7 46.0 69.0
63 32.5 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: 57.53 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097449.D

Acq: 8 Aug 2017 00:37

Instrument :

BNA_F

ClientSampleId :

S2

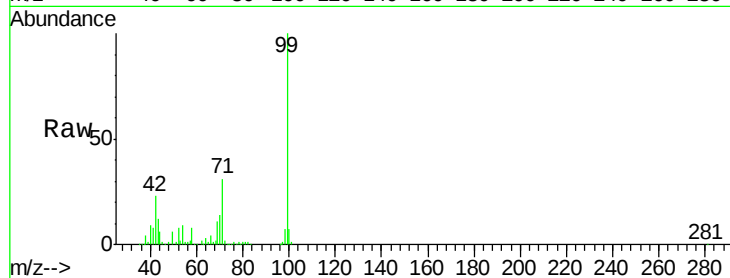
Tot Ion: 99 Resp: 401352

Ion Ratio Lower Upper

99 100

42 22.6 13.5 20.3#

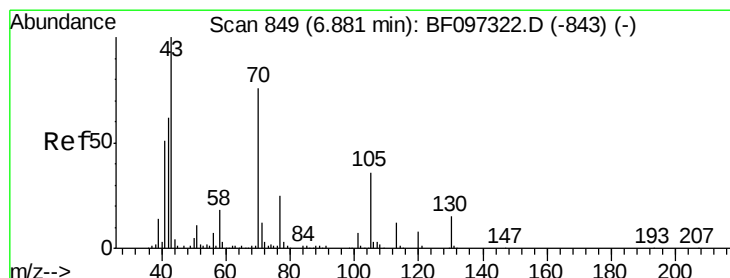
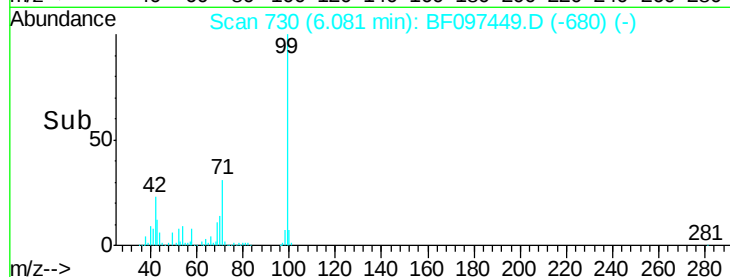
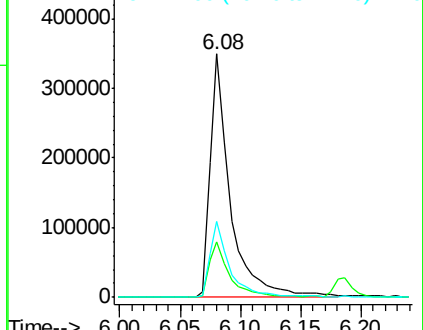
71 31.1 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 7.27 ng

RT: 6.98 min Scan# 883

Delta R.T. 0.13 min

Lab File: BF097449.D

Acq: 8 Aug 2017 00:37

Tgt Ion: 70 Resp: 33405

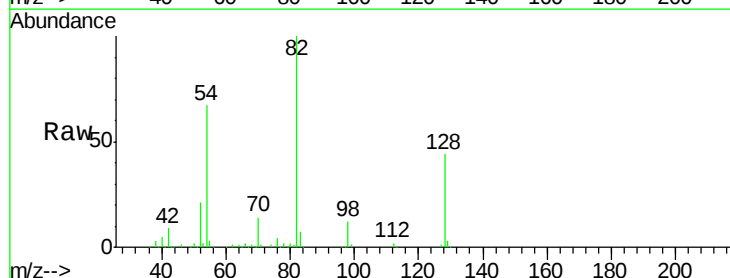
Ion Ratio Lower Upper

70 100

42 61.6 47.2 70.8

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

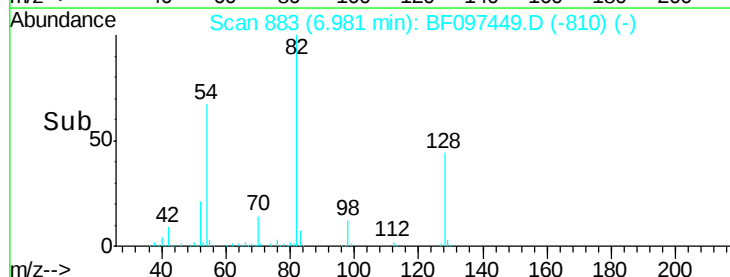
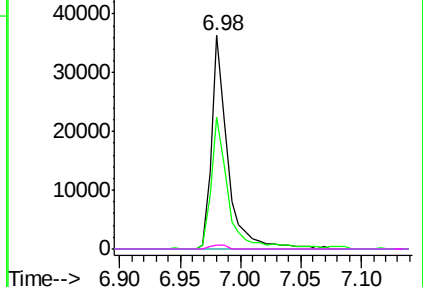


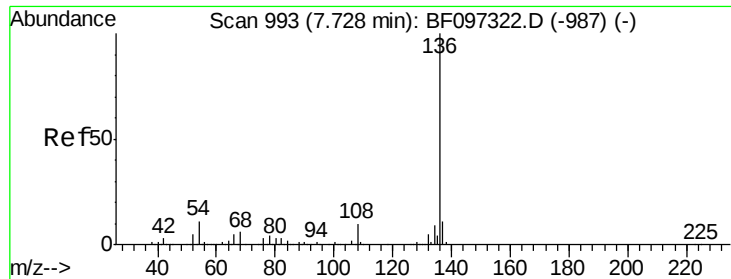
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

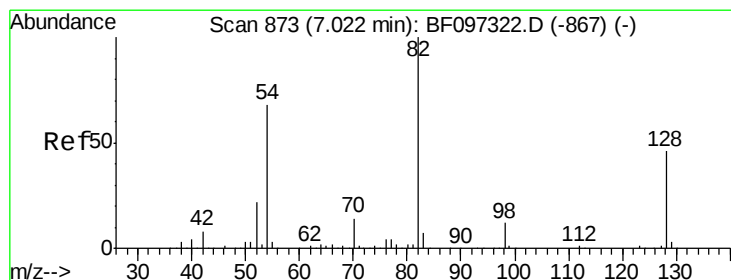
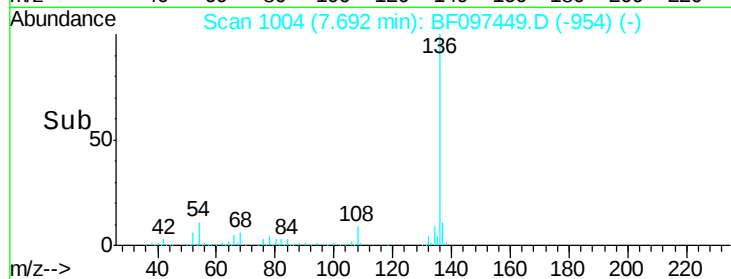
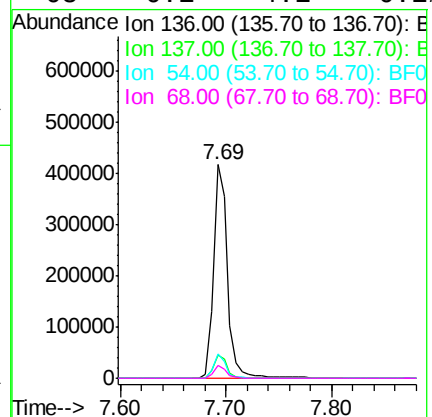
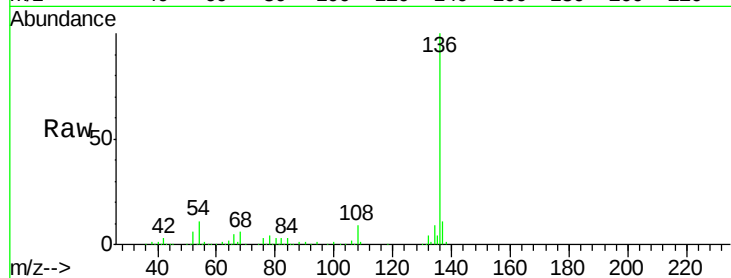




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.69 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF097449.D
Acq: 8 Aug 2017 00:37

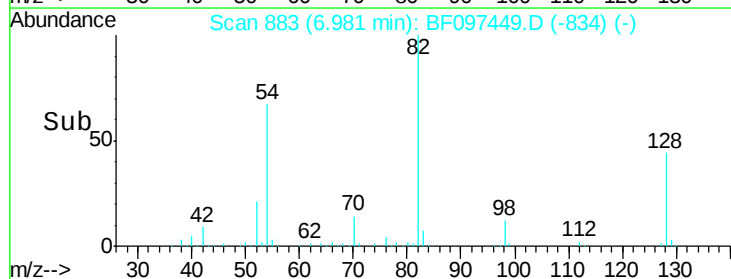
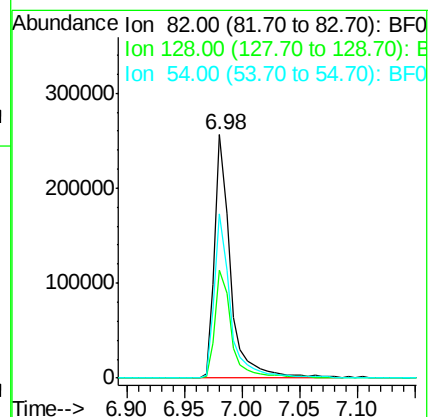
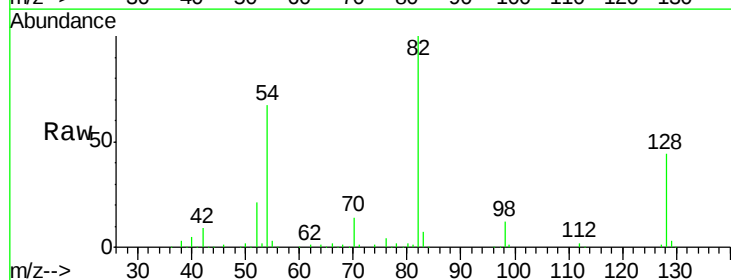
Instrument :
BNA_F
ClientSampleId :
S2

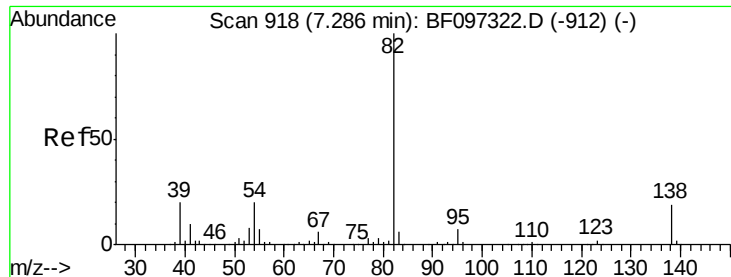
Tot Ion:136 Resp: 386352
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 11.3 4.9 7.3#
68 6.1 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 38.05 ng
RT: 6.98 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF097449.D
Acq: 8 Aug 2017 00:37

Tgt Ion: 82 Resp: 250595
Ion Ratio Lower Upper
82 100
128 44.2 34.0 51.0
54 67.5 42.2 63.2#





#25

Isophorone

Concen: 19.43 ng

RT: 6.98 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF097449.D

Acq: 8 Aug 2017 00:37

Instrument :

BNA_F

ClientSampleId :

S2

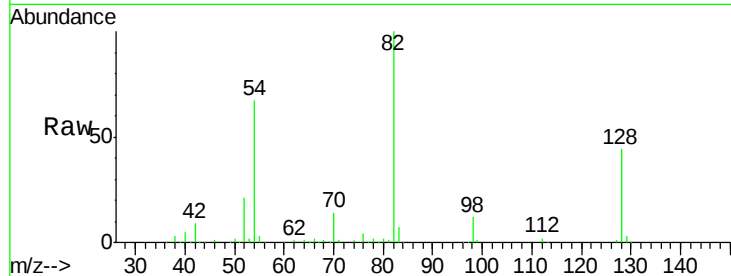
Tot Ion: 82 Resp: 250592

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

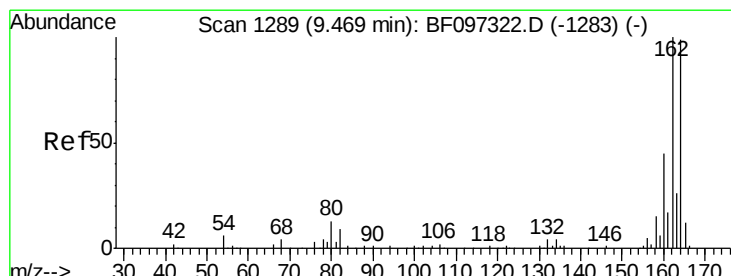
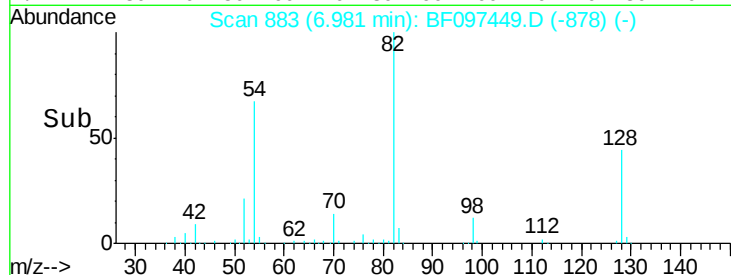
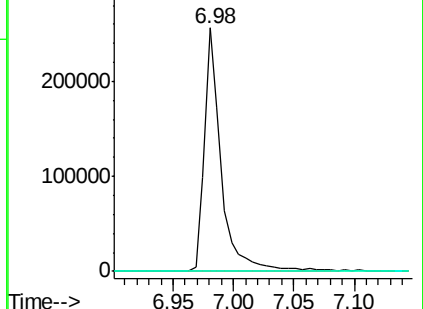
138 0.0 13.1 19.7#



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: 9.43 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF097449.D

Acq: 8 Aug 2017 00:37

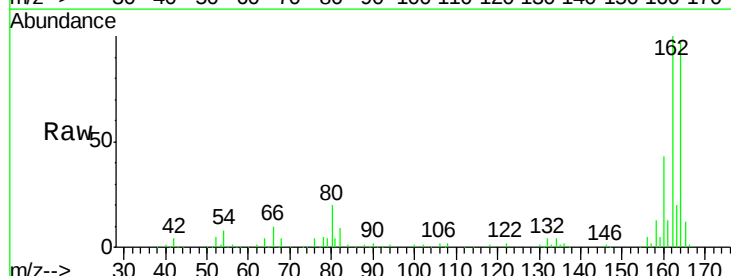
Tgt Ion:164 Resp: 138688

Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

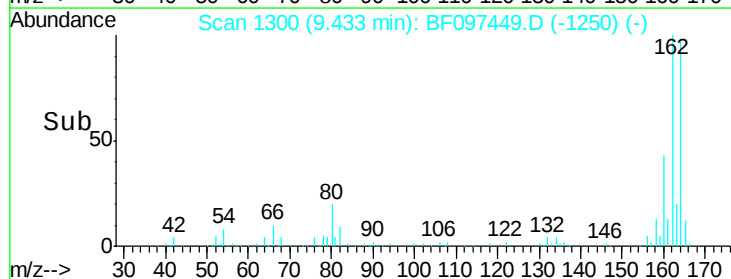
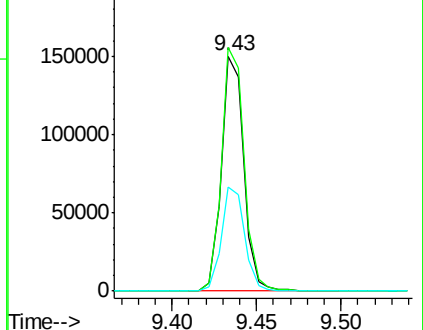
160 44.3 36.2 54.2



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

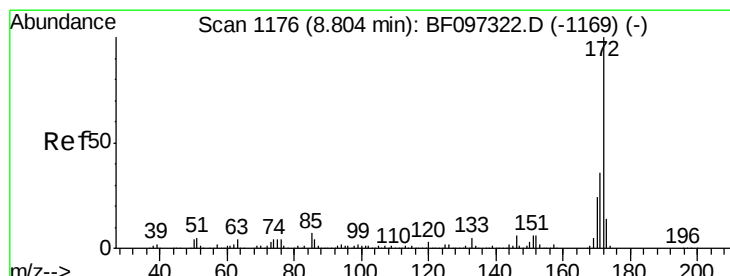
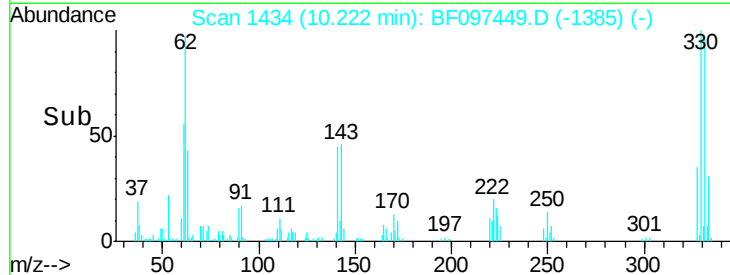
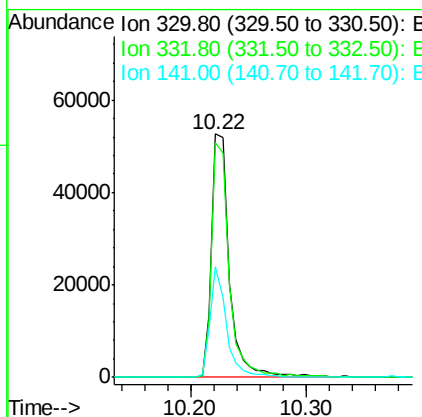
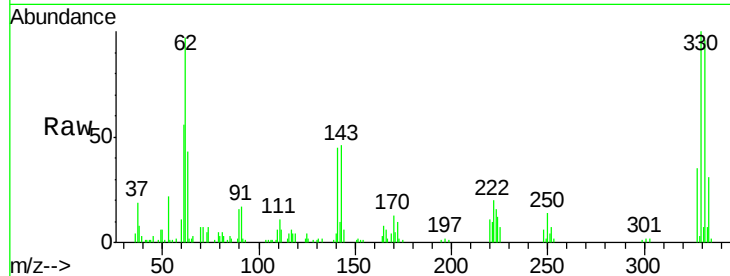




#41
 2,4,6-Tribromophenol
 Concen: 51.74 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097449.D
 Acq: 8 Aug 2017 00:37

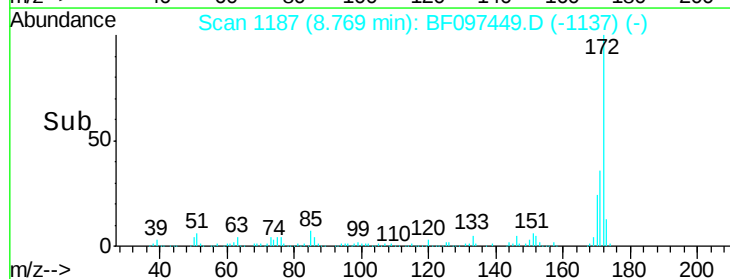
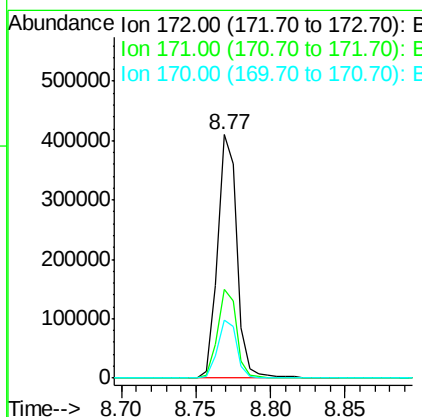
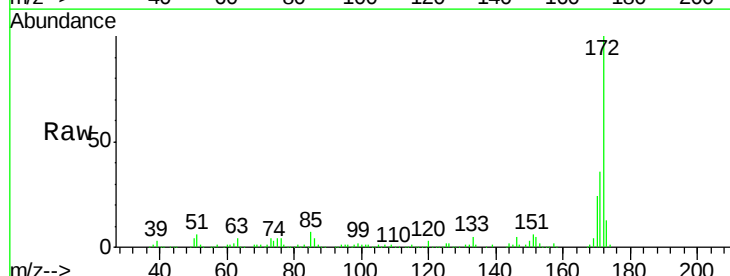
Instrument :
 BNA_F
 ClientSampleId :
 S2

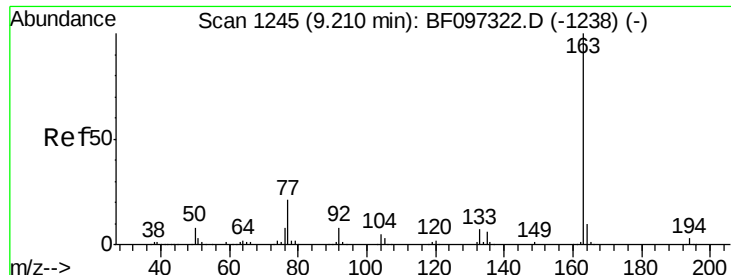
Tot Ion:330 Resp: 56690
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.6 115.0
 141 41.0 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 45.86 ng
 RT: 8.77 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF097449.D
 Acq: 8 Aug 2017 00:37

Tgt Ion:172 Resp: 374758
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 23.9 19.8 29.8

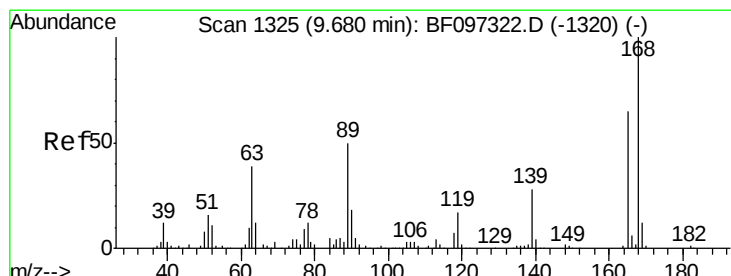
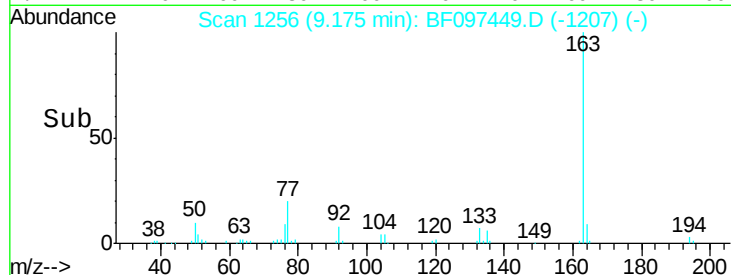
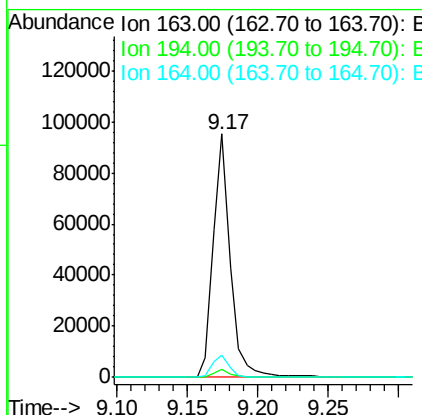
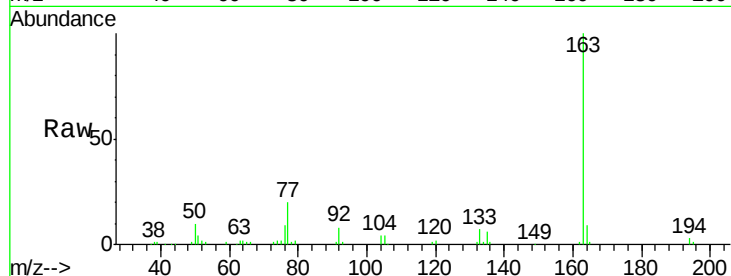




#49
Dimethylphthalate
Concen: 7.62 ng
RT: 9.17 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF097449.D
Acq: 8 Aug 2017 00:37

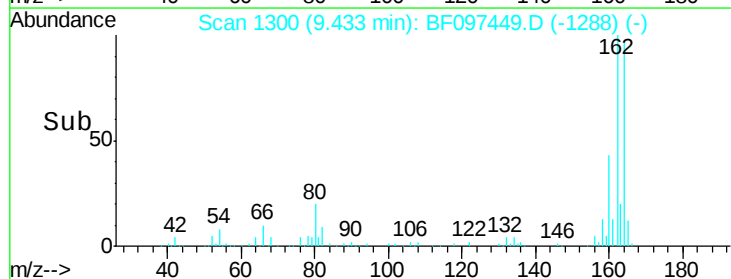
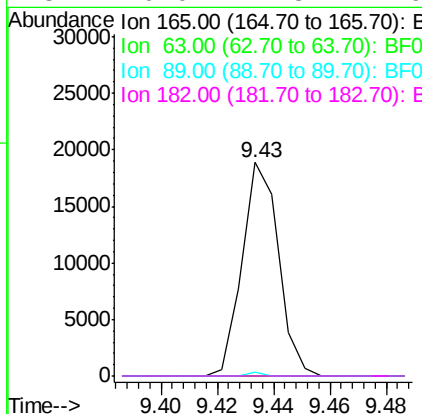
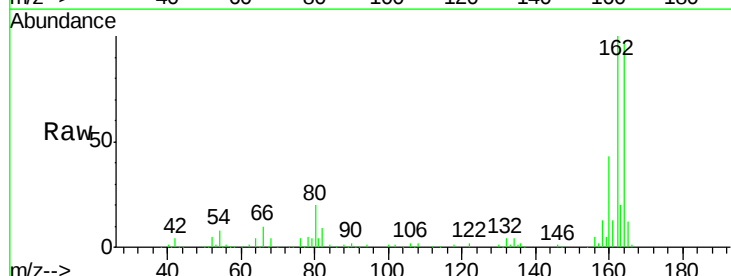
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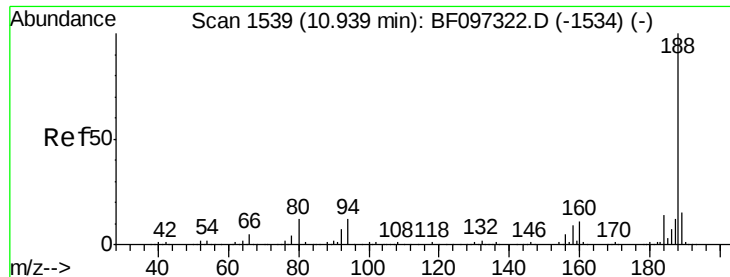
Tot Ion:163 Resp: 80217
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 9.3 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.58 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.23 min
Lab File: BF097449.D
Acq: 8 Aug 2017 00:37

Tgt Ion:165 Resp: 16895
Ion Ratio Lower Upper
165 100
63 0.0 25.4 38.0#
89 1.7 46.4 69.6#
182 0.0 1.8 2.6#

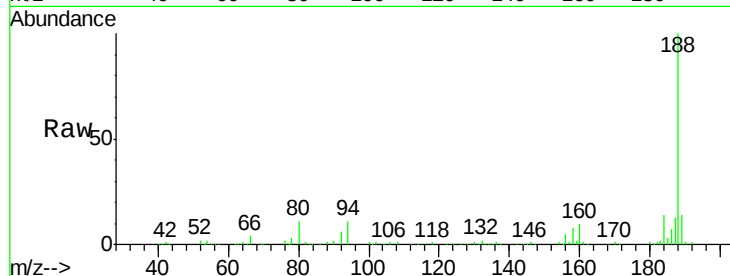




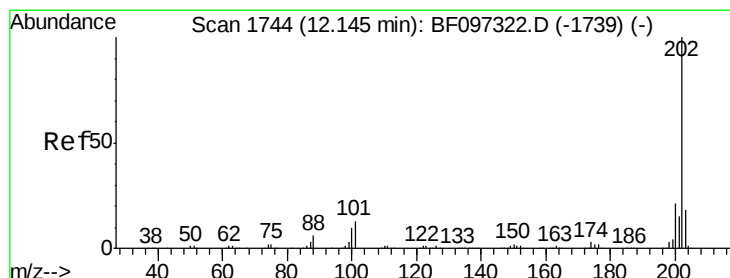
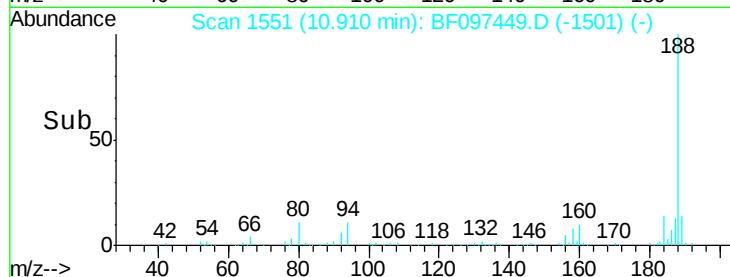
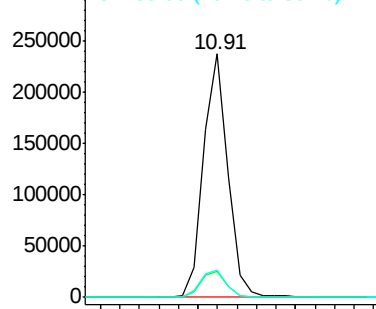
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.91 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF097449.D
Acq: 8 Aug 2017 00:37

Instrument :
BNA_F
ClientSampleId :
S2

Tot Ion:188 Resp: 204363
Ion Ratio Lower Upper
188 100
94 10.7 9.4 14.2
80 11.3 10.2 15.2

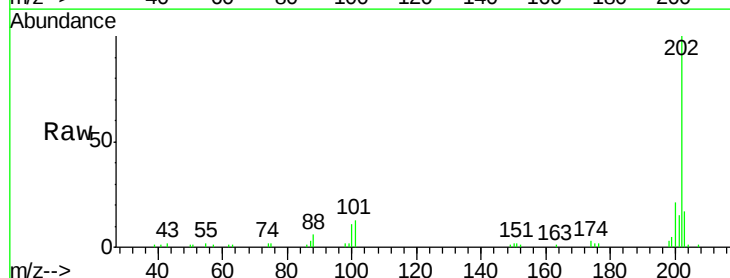


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

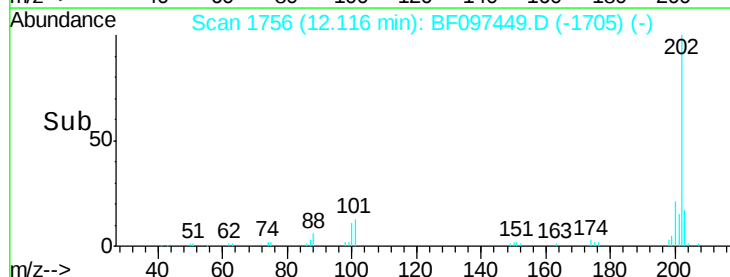
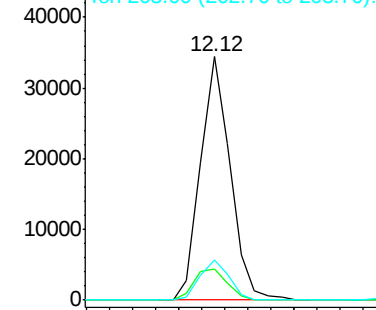


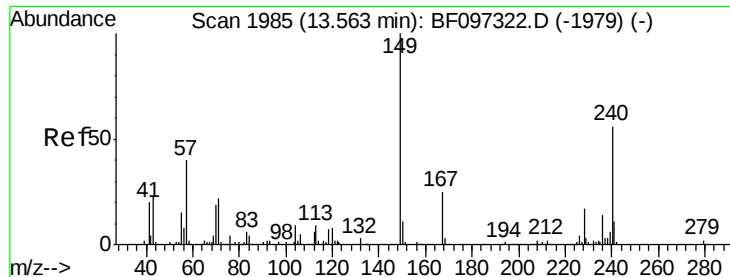
#74
Fluoranthene
Concen: 2.89 ng
RT: 12.12 min Scan# 1756
Delta R.T. 0.00 min
Lab File: BF097449.D
Acq: 8 Aug 2017 00:37

Tgt Ion:202 Resp: 30966
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.2
203 16.7 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: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097449.D

Acq: 8 Aug 2017 00:37

Instrument :

BNA_F

ClientSampleId :

S2

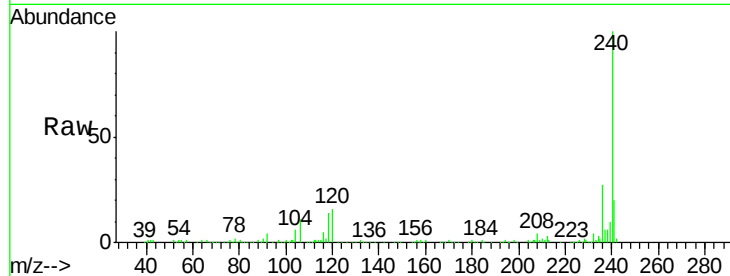
Tot Ion:240 Resp: 207334

Ion Ratio Lower Upper

240 100

120 16.1 5.8 8.8#

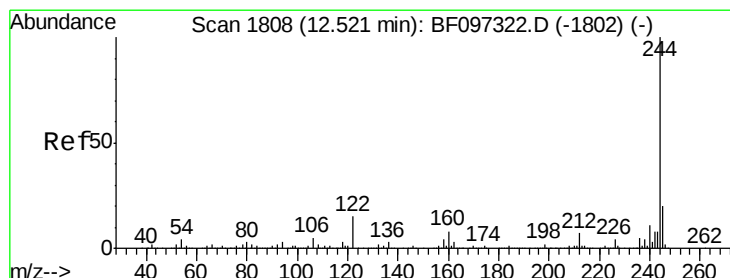
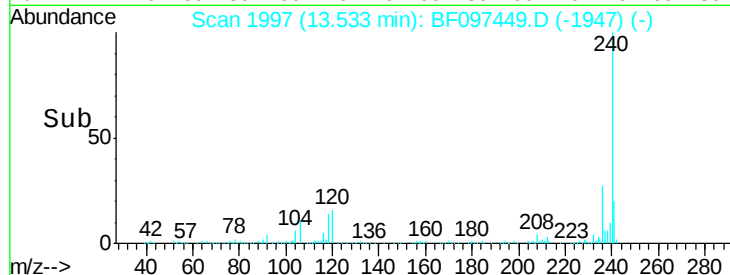
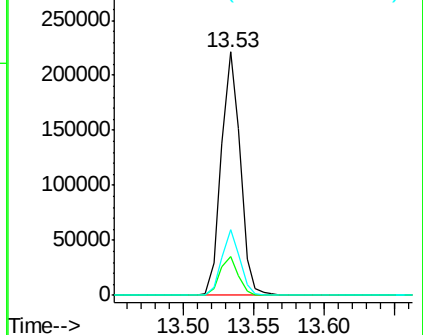
236 26.8 20.5 30.7



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: 25.05 ng

RT: 12.49 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF097449.D

Acq: 8 Aug 2017 00:37

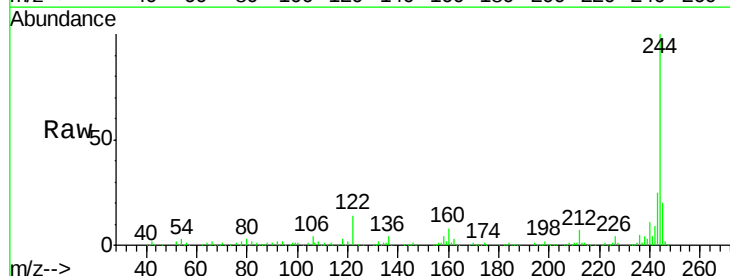
Tgt Ion:244 Resp: 254723

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

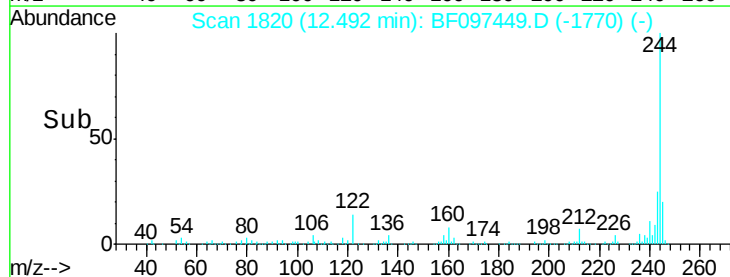
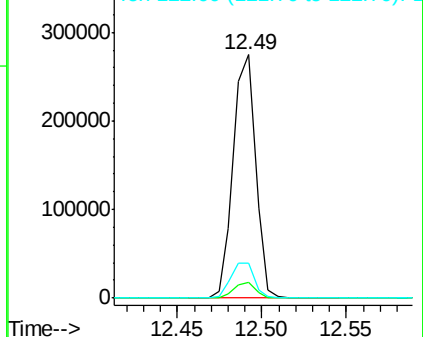
122 14.1 10.3 15.5

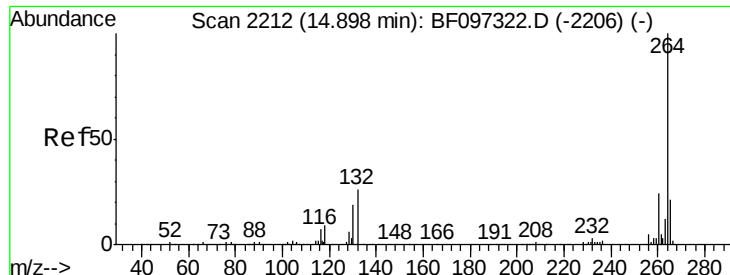


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

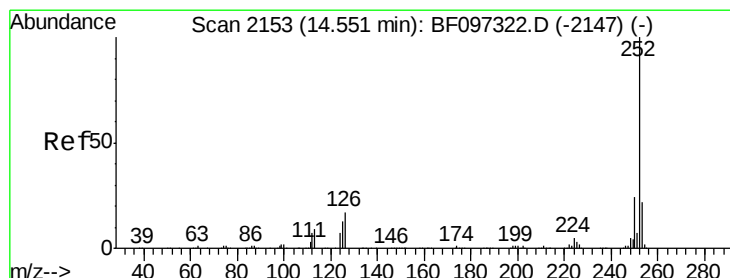
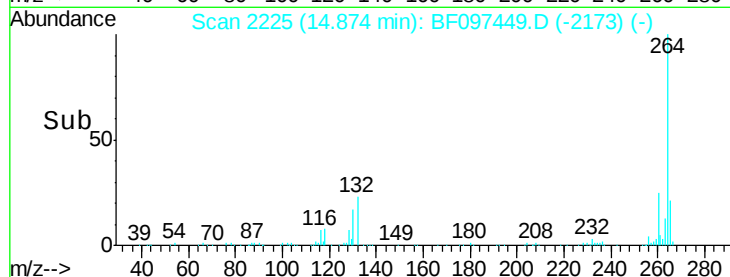
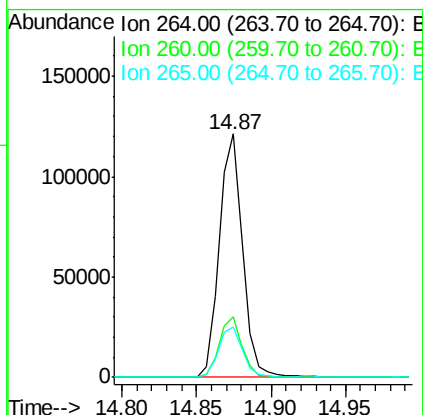
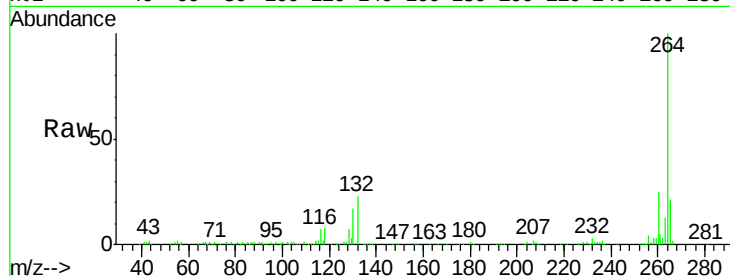




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097449.D
Acq: 8 Aug 2017 00:37

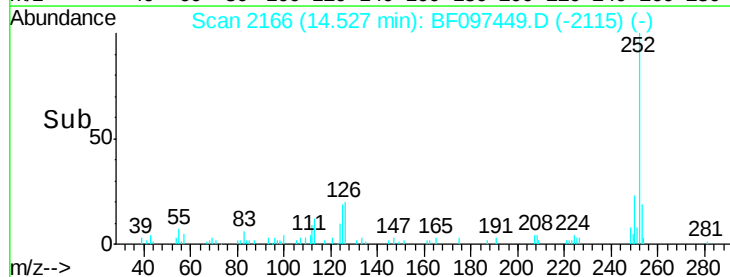
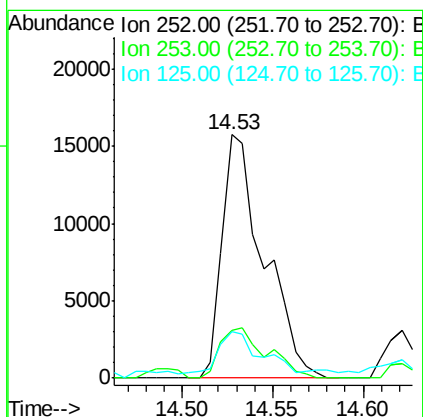
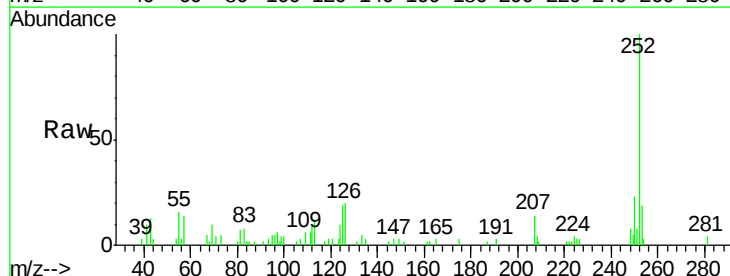
Instrument :
BNA_F
ClientSampleId :
S2

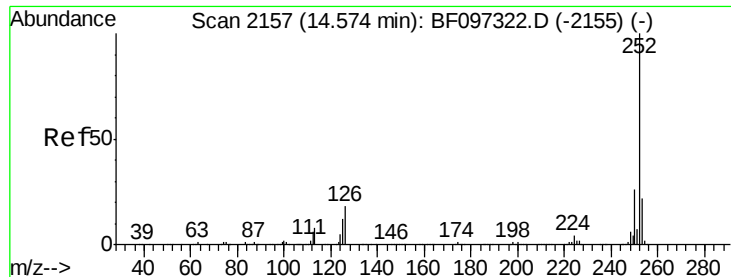
Tot Ion:264 Resp: 133730
Ion Ratio Lower Upper
264 100
260 25.1 19.5 29.3
265 20.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.15 ng
RT: 14.53 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF097449.D
Acq: 8 Aug 2017 00:37

Tgt Ion:252 Resp: 25336
Ion Ratio Lower Upper
252 100
253 19.4 18.1 27.1
125 18.9 9.8 14.8#





#88
 Benzo(k)fluoranthene
 Concen: 3.31 ng
 RT: 14.53 min Scan# 2166
 Delta R.T. -0.02 min
 Lab File: BF097449.D
 Acq: 8 Aug 2017 00:37

Instrument :
 BNA_F
 ClientSampleId :
 S2

Tot Ion	Ratio	Lower	Upper
252	100		
253	19.4	18.4	27.6
125	18.9	13.1	19.7

