

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097549.D
 Acq On : 10 Aug 2017 8:52
 Operator : SJ/JU
 Sample : I4664-01 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 13:25:01 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

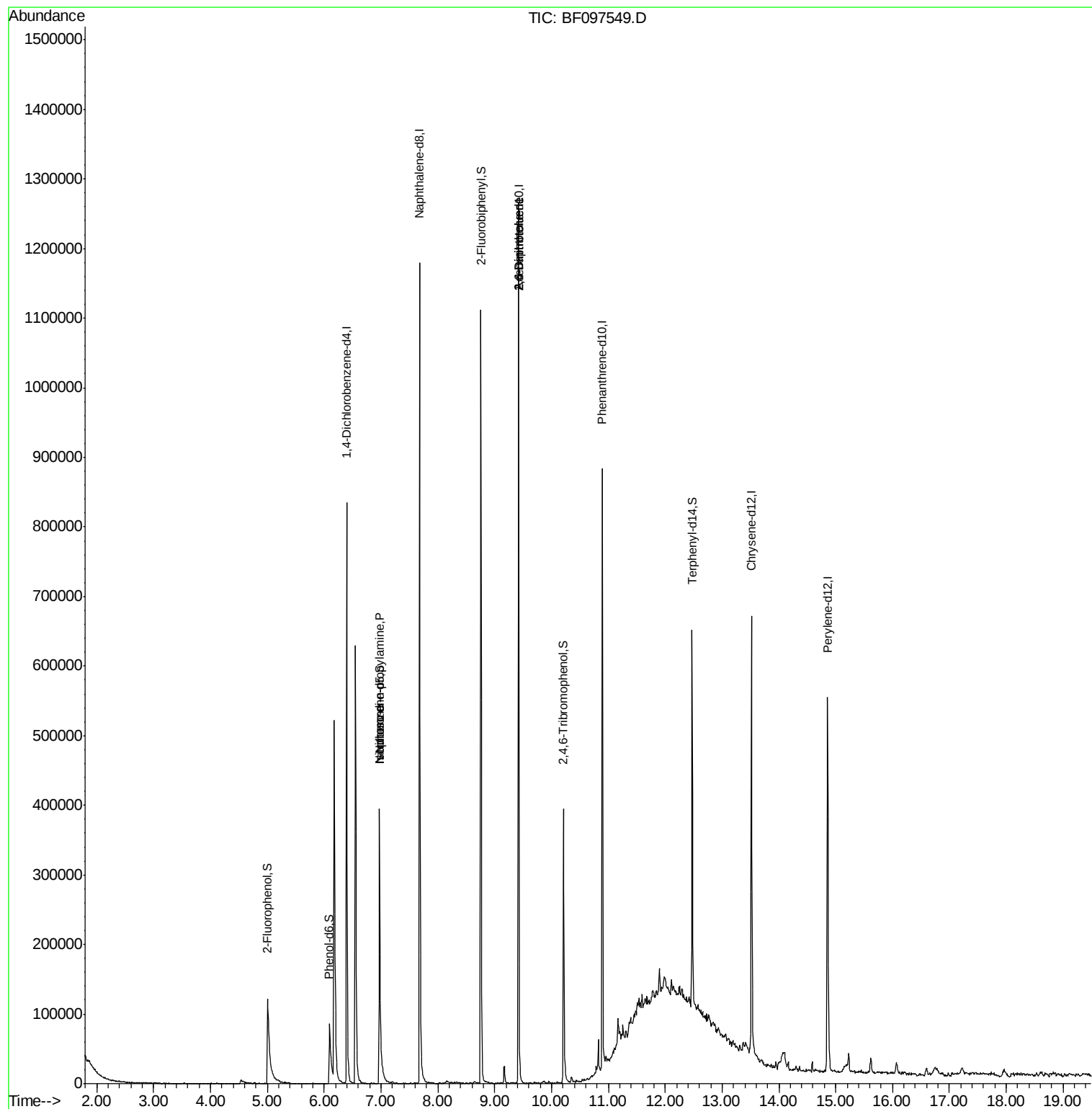
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	139467	20.00	ng	-0.02
21) Naphthalene-d8	7.68	136	578005	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	238681	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	340779	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	233418	20.00	ng	-0.02
86) Perylene-d12	14.86	264	212556	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	96563	10.44	ng	0.00
7) Phenol-d6	6.09	99	80848	7.65	ng	0.00
23) Nitrobenzene-d5	6.97	82	175657	17.83	ng	-0.02
41) 2,4,6-Tribromophenol	10.21	330	45547	24.15	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	330597	23.51	ng	-0.02
78) Terphenyl-d14	12.47	244	155283	13.56	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.97	70	22650	3.258	ng	# 81
25) Isophorone	6.97	82	175657	9.104	ng	# 67
50) 2,6-Dinitrotoluene	9.42	165	28777	7.486	ng	# 34
56) 2,4-Dinitrotoluene	9.42	165	28777	6.512	ng	# 34

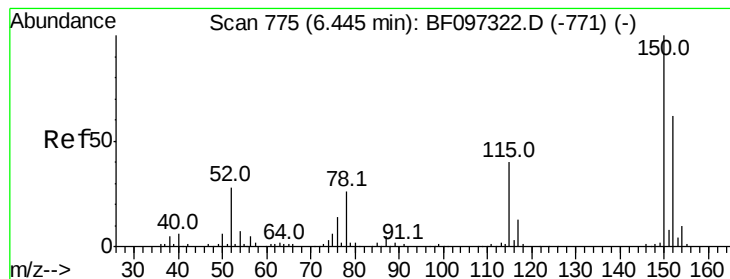
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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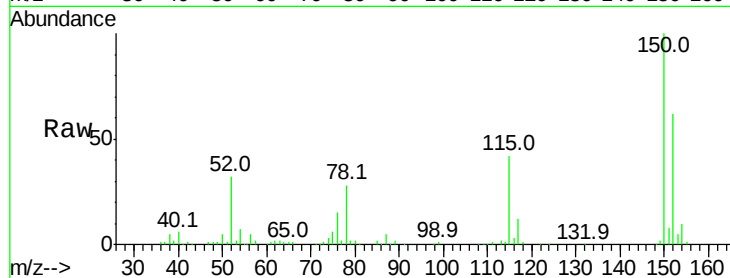


#1

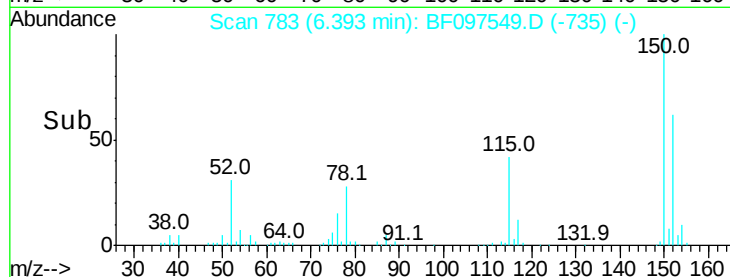
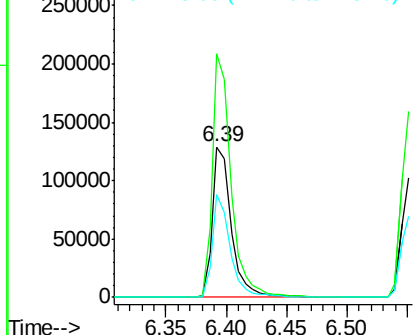
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.39 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF097549.D
Acq: 10 Aug 2017 8:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139467
Ion Ratio Lower Upper
152 100
150 161.5 126.2 189.2
115 68.4 52.2 78.2



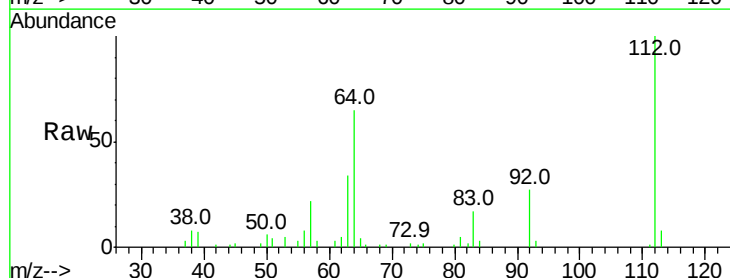
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



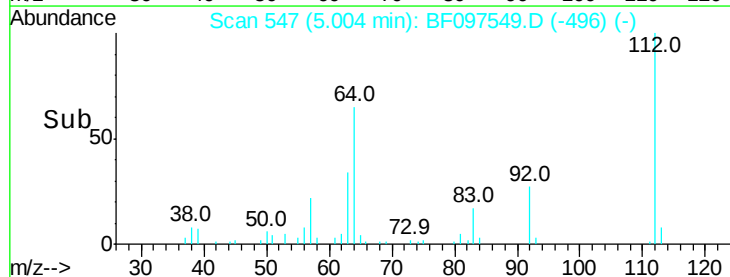
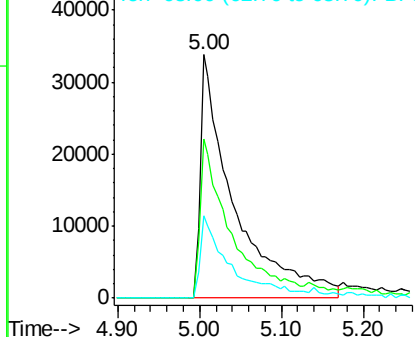
#5

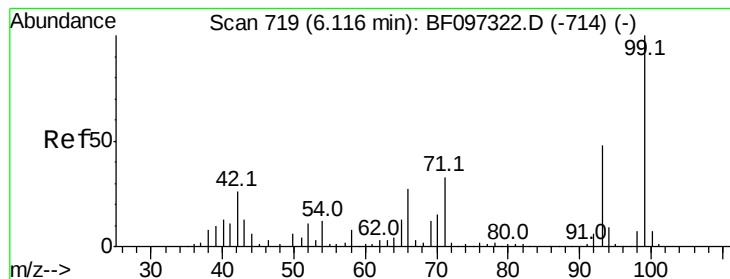
2-Fluorophenol
Concen: 10.437 ng
RT: 5.00 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF097549.D
Acq: 10 Aug 2017 8:52

Tgt Ion:112 Resp: 96563
Ion Ratio Lower Upper
112 100
64 65.4 46.0 69.0
63 33.8 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: 7.655 ng

RT: 6.09 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF097549.D

Acq: 10 Aug 2017 8:52

Instrument :

BNA_F

ClientSampleId :

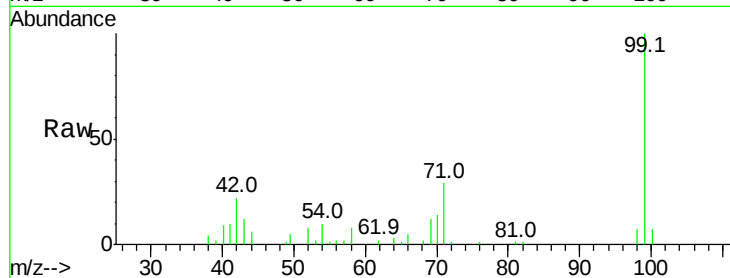
Tot Ion: 99 Resp: 80848

Ion Ratio Lower Upper

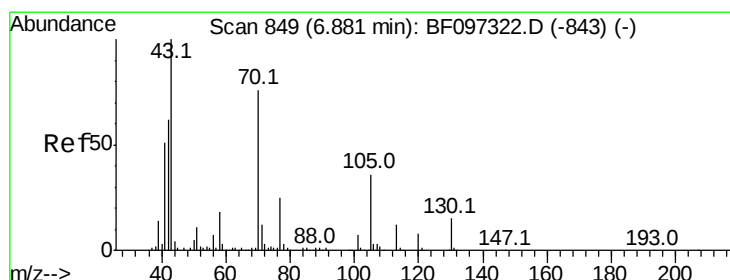
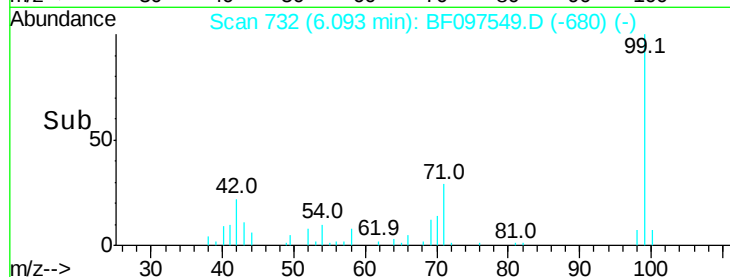
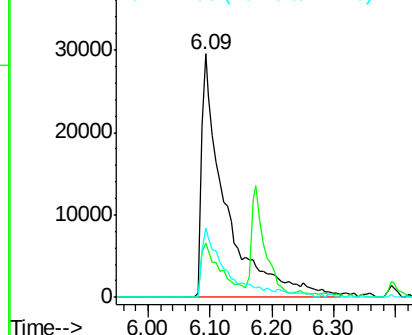
99 100

42 22.1 13.5 20.3#

71 28.7 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: 3.258 ng

RT: 6.97 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF097549.D

Acq: 10 Aug 2017 8:52

Tgt Ion: 70 Resp: 22650

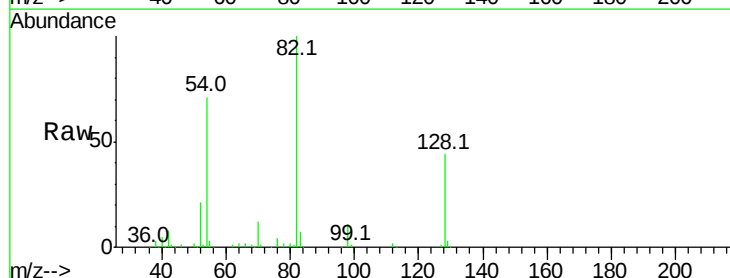
Ion Ratio Lower Upper

70 100

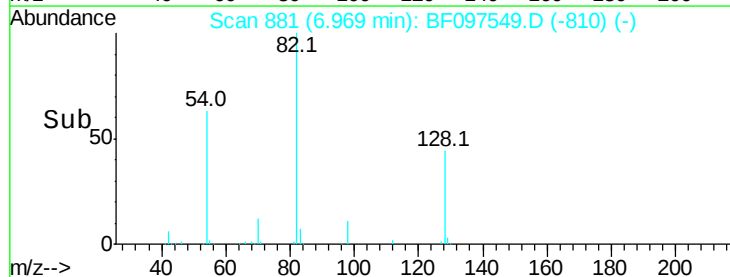
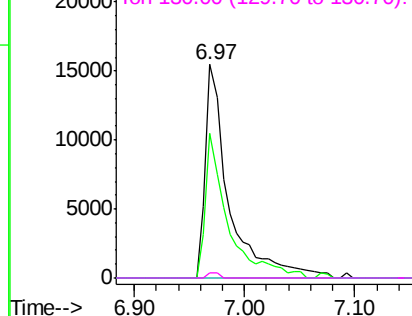
42 67.5 47.2 70.8

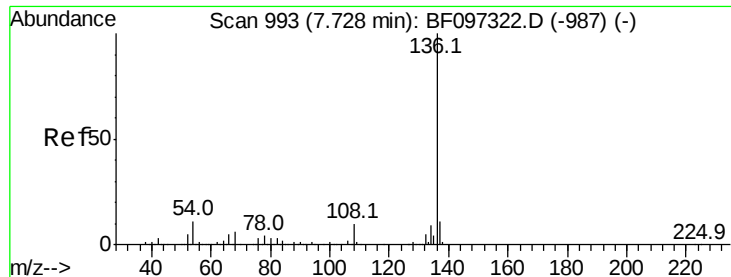
101 0.0 7.2 10.8#

130 2.1 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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.68 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF097549.D

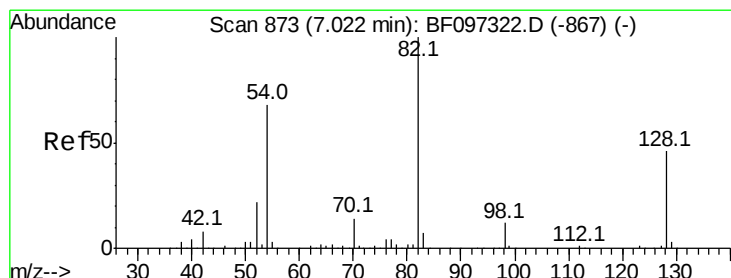
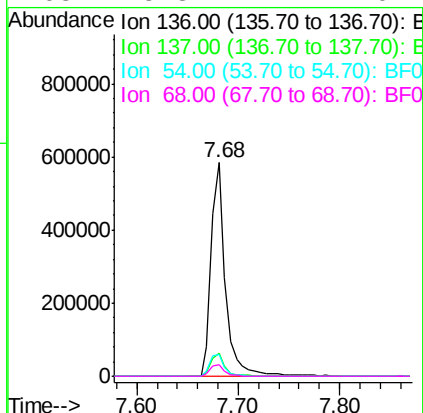
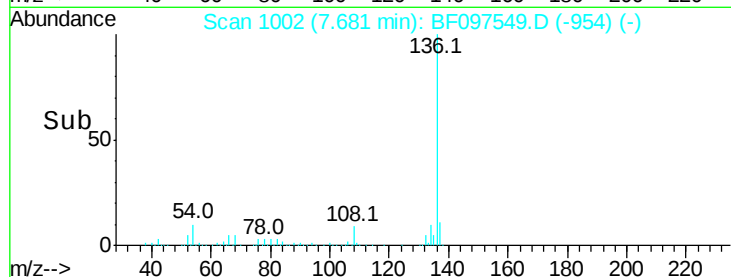
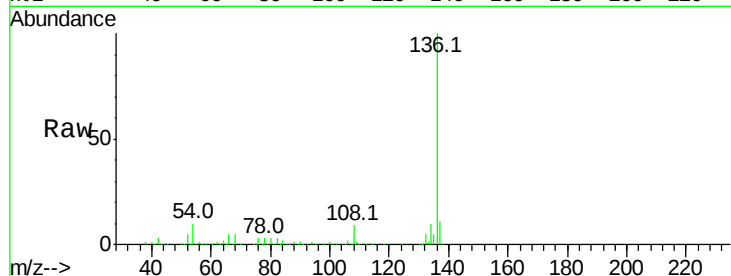
Acq: 10 Aug 2017 8:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	136	Resp:	578005
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	10.3	4.9	7.3#
68	5.3	4.1	6.1



#23

Nitrobenzene-d5

Concen: 17.828 ng

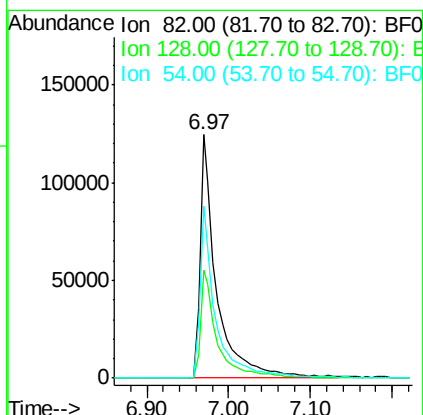
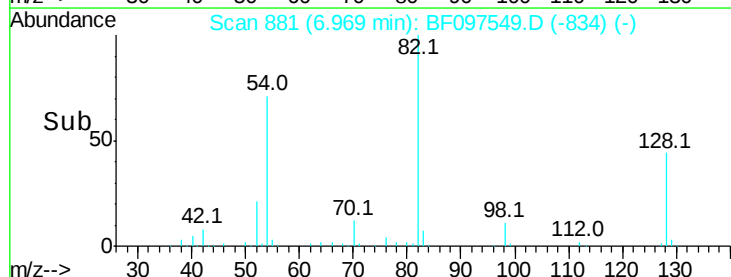
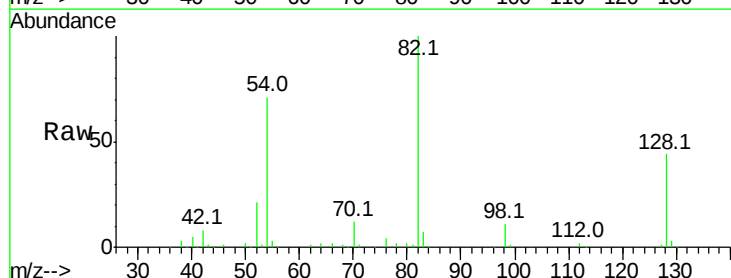
RT: 6.97 min Scan# 881

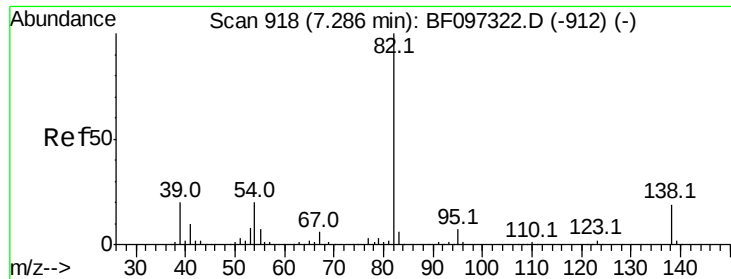
Delta R.T. -0.02 min

Lab File: BF097549.D

Acq: 10 Aug 2017 8:52

Tgt Ion:	82	Resp:	175657
Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.0	51.0
54	70.9	42.2	63.2#





#25

Isophorone

Concen: 9.104 ng

RT: 6.97 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF097549.D

Acq: 10 Aug 2017 8:52

Instrument :

BNA_F

ClientSampleId :

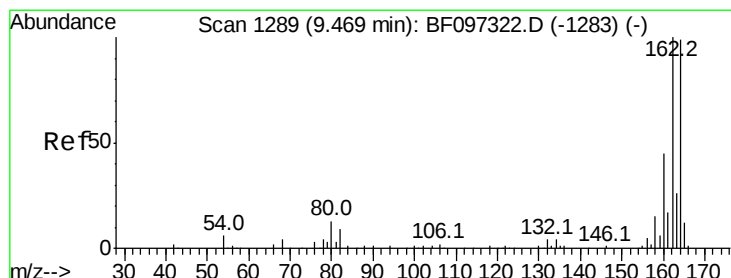
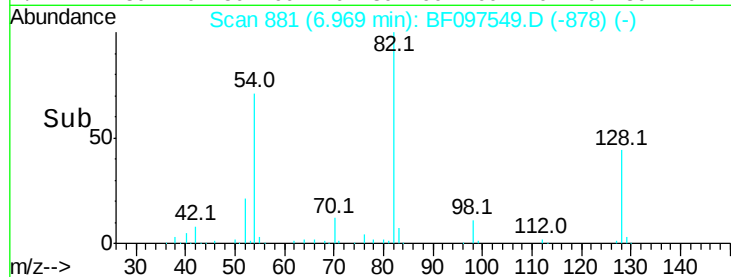
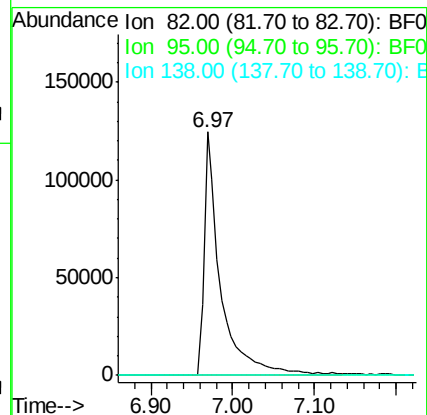
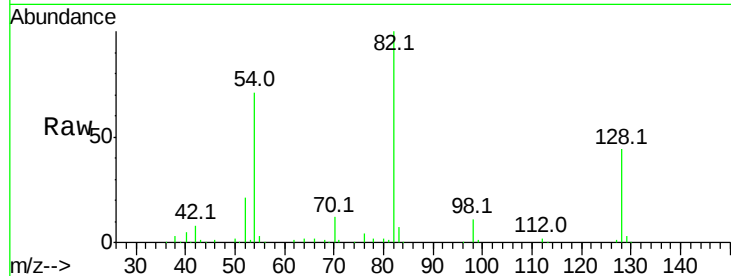
Tot Ion: 82 Resp: 175657

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: 9.42 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF097549.D

Acq: 10 Aug 2017 8:52

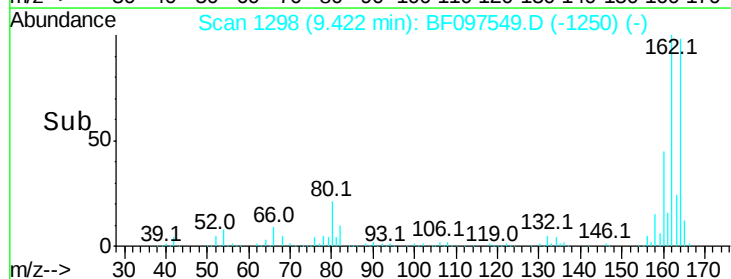
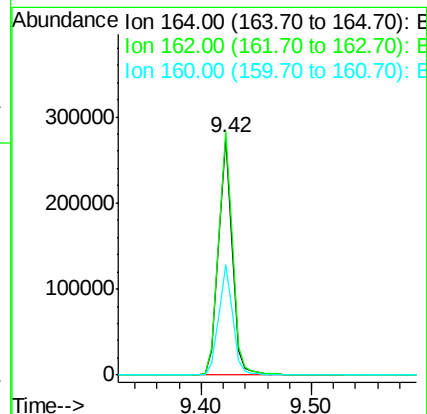
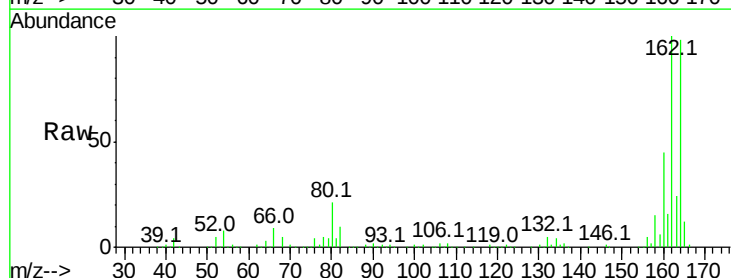
Tgt Ion: 164 Resp: 238681

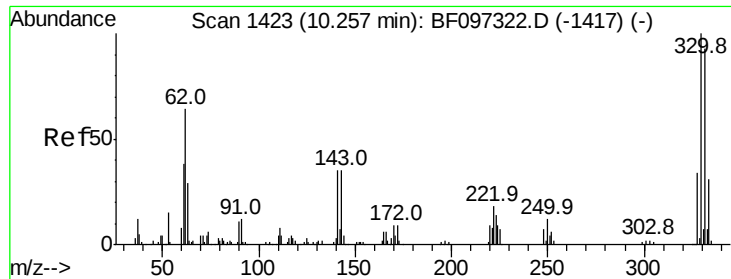
Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

160 46.4 36.2 54.2

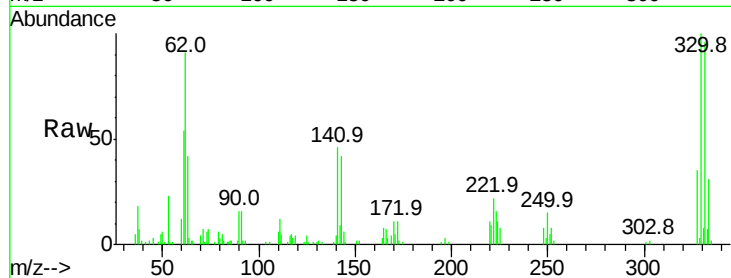




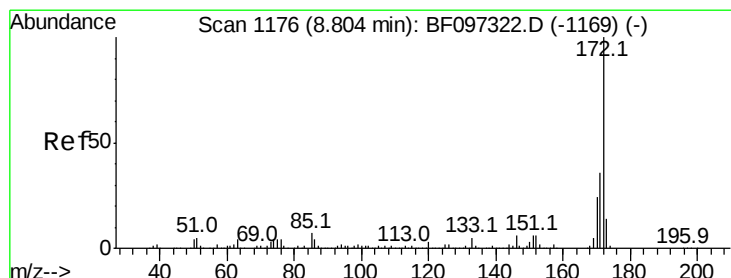
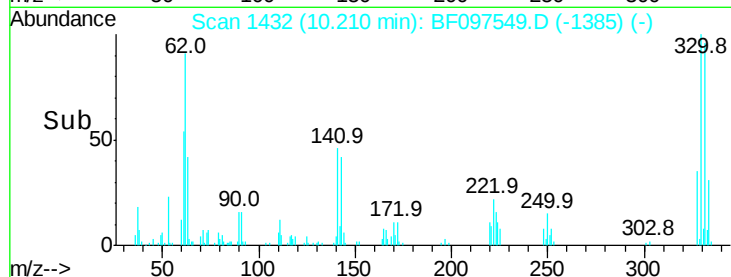
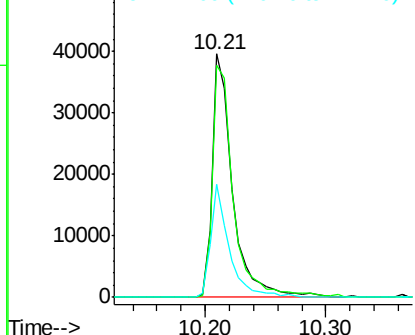
#41
 2,4,6-Tribromophenol
 Concen: 24.152 ng
 RT: 10.21 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BF097549.D
 Acq: 10 Aug 2017 8:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 45547
 Ion Ratio Lower Upper
 330 100
 332 98.8 76.6 115.0
 141 42.9 31.4 47.2

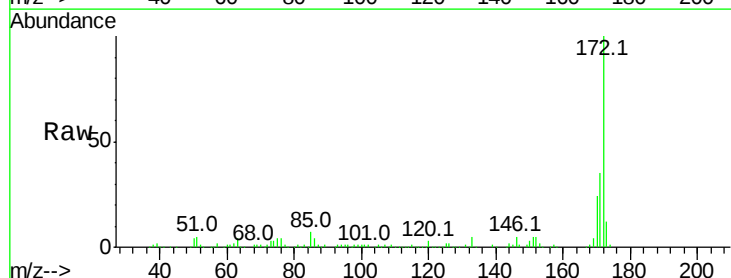


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

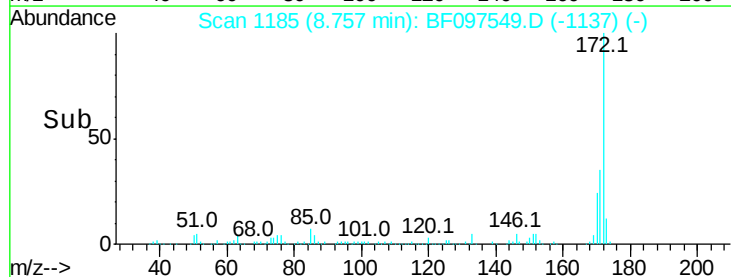
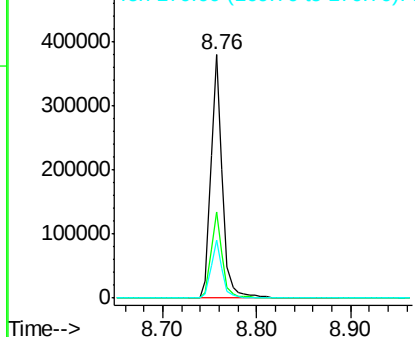


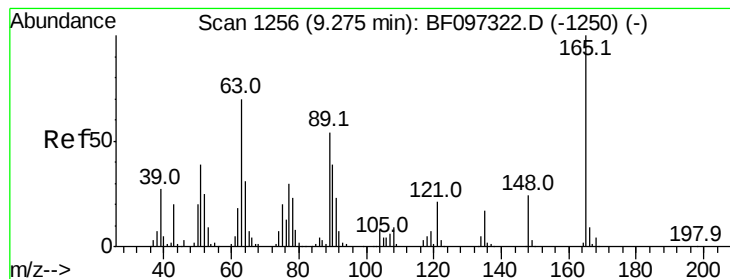
#44
 2-Fluorobiphenyl
 Concen: 23.506 ng
 RT: 8.76 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF097549.D
 Acq: 10 Aug 2017 8:52

Tgt Ion:172 Resp: 330597
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.6 44.4
 170 23.9 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

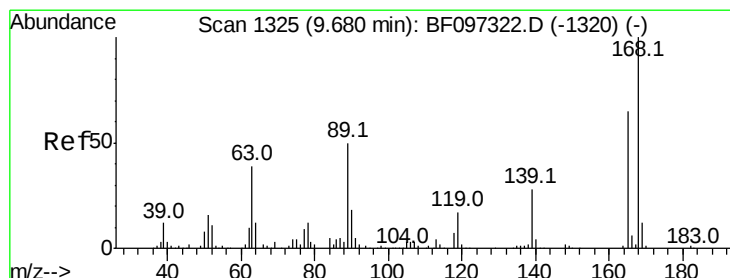
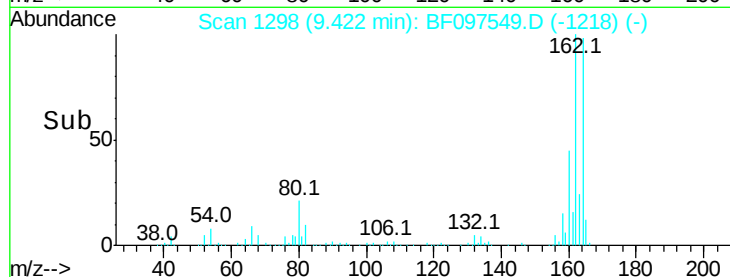
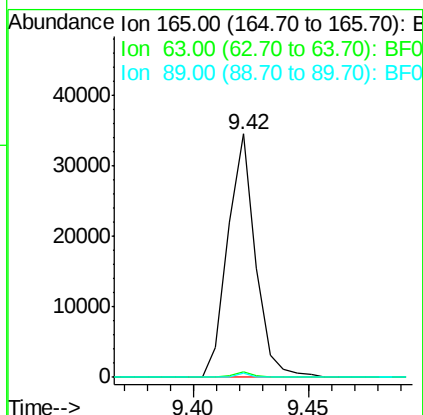
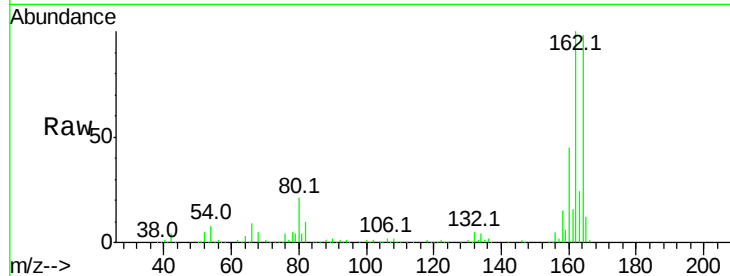




#50
 2,6-Dinitrotoluene
 Concen: 7.486 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. 0.17 min
 Lab File: BF097549.D
 Acq: 10 Aug 2017 8:52

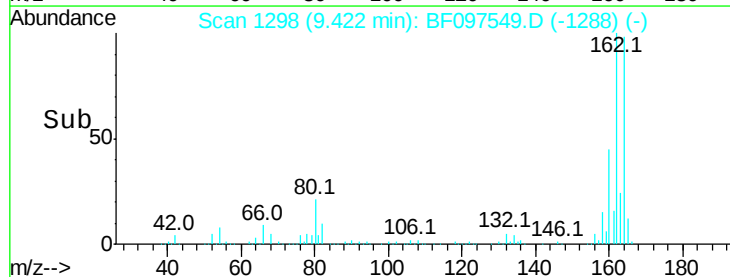
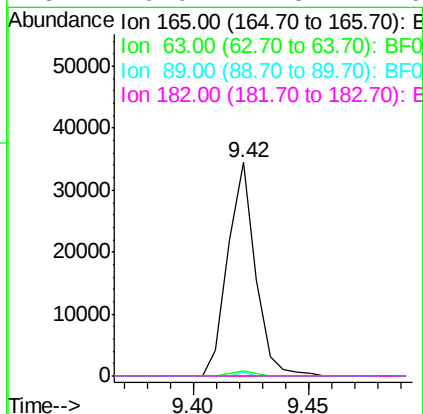
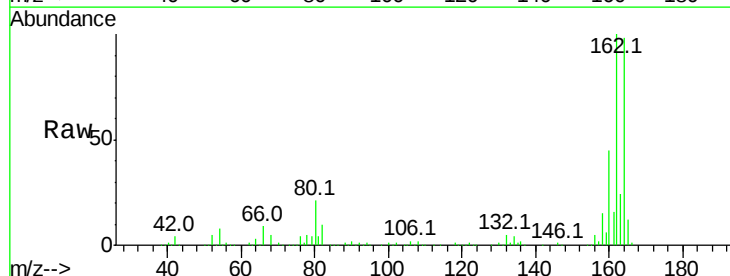
Instrument :
 BNA_F
 ClientSampleId :

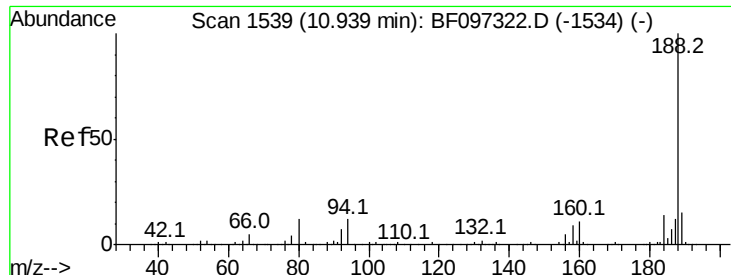
Tot Ion:165	Resp:	28777
Ion Ratio	Lower	Upper
165 100		
63 2.2	34.3	51.5#
89 1.6	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.512 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. -0.24 min
 Lab File: BF097549.D
 Acq: 10 Aug 2017 8:52

Tgt Ion:165	Resp:	28777
Ion Ratio	Lower	Upper
165 100		
63 2.2	25.4	38.0#
89 1.6	46.4	69.6#
182 0.0	1.8	2.6#

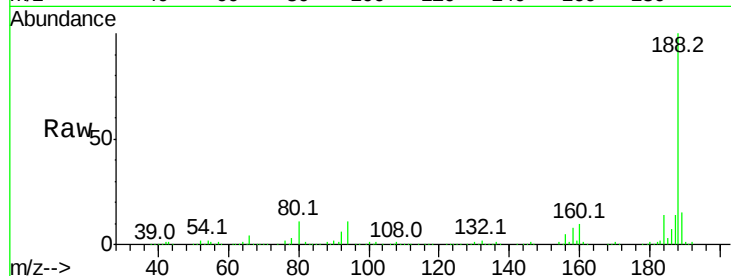




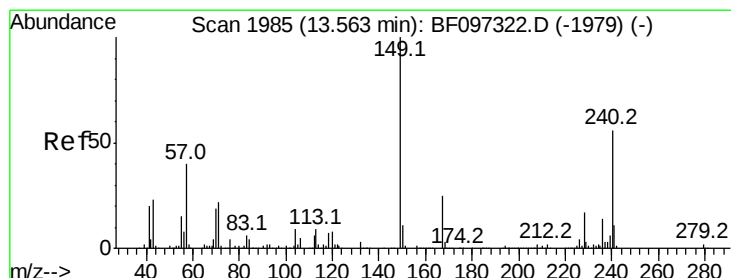
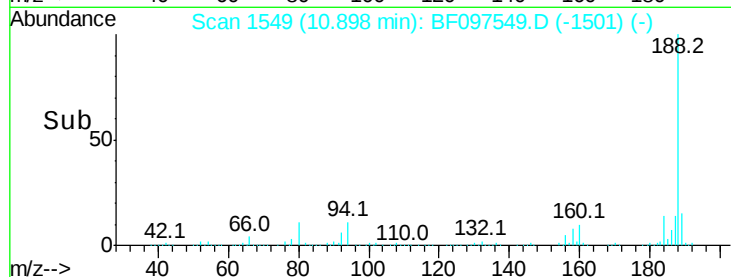
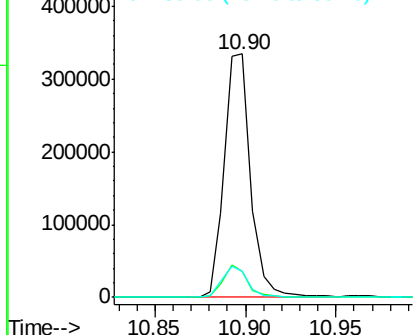
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.90 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BF097549.D
Acq: 10 Aug 2017 8:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 340779
Ion Ratio Lower Upper
188 100
94 10.5 9.4 14.2
80 10.5 10.2 15.2

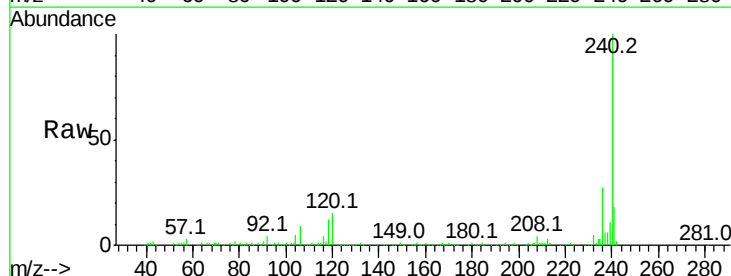


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

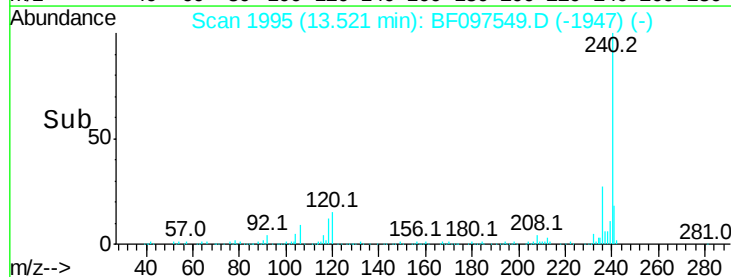
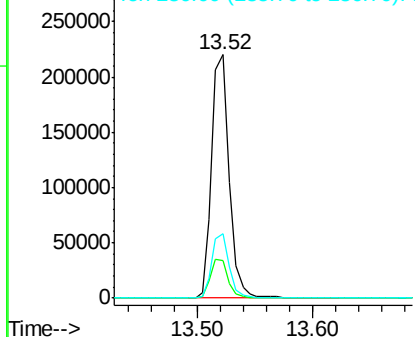


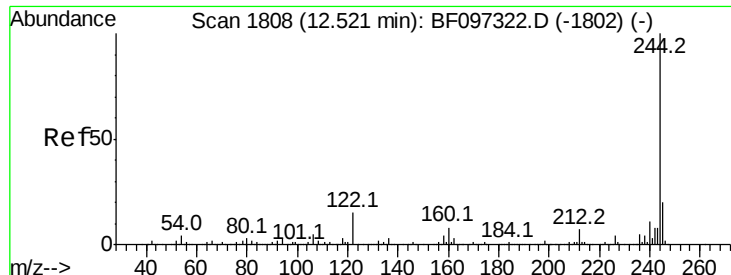
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.52 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF097549.D
Acq: 10 Aug 2017 8:52

Tgt Ion:240 Resp: 233418
Ion Ratio Lower Upper
240 100
120 15.4 5.8 8.8#
236 26.5 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 13.564 ng

RT: 12.47 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF097549.D

Acq: 10 Aug 2017 8:52

Instrument :

BNA_F

ClientSampleId :

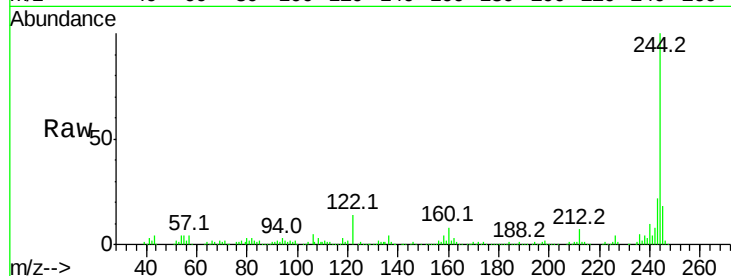
Tot Ion:244 Resp: 155283

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

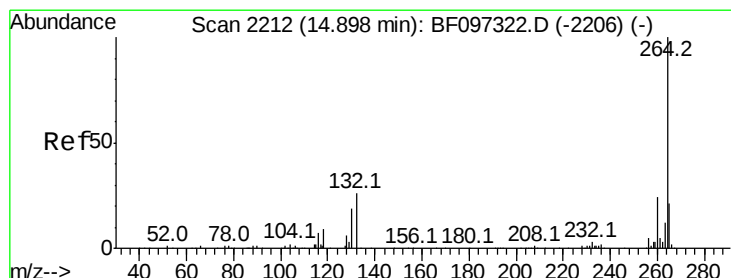
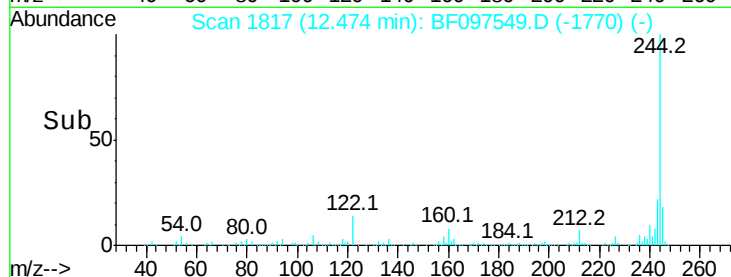
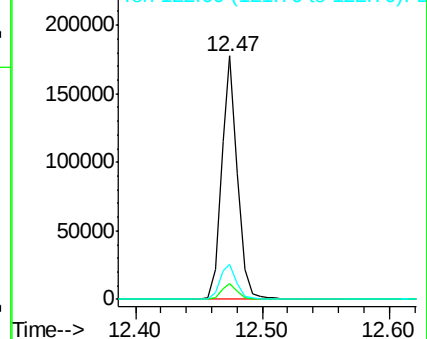
122 14.5 10.3 15.5



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

Perylene-d12

Concen: 20.000 ng

RT: 14.86 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BF097549.D

Acq: 10 Aug 2017 8:52

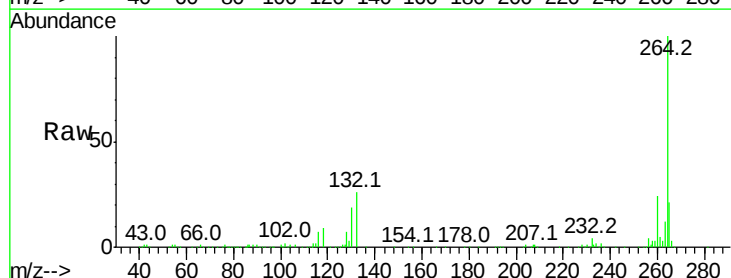
Tgt Ion:264 Resp: 212556

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.2 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

