

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097365.D
 Acq On : 4 Aug 2017 19:39
 Operator : SJ/JU
 Sample : I4562-04RE 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 04 23:00:18 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

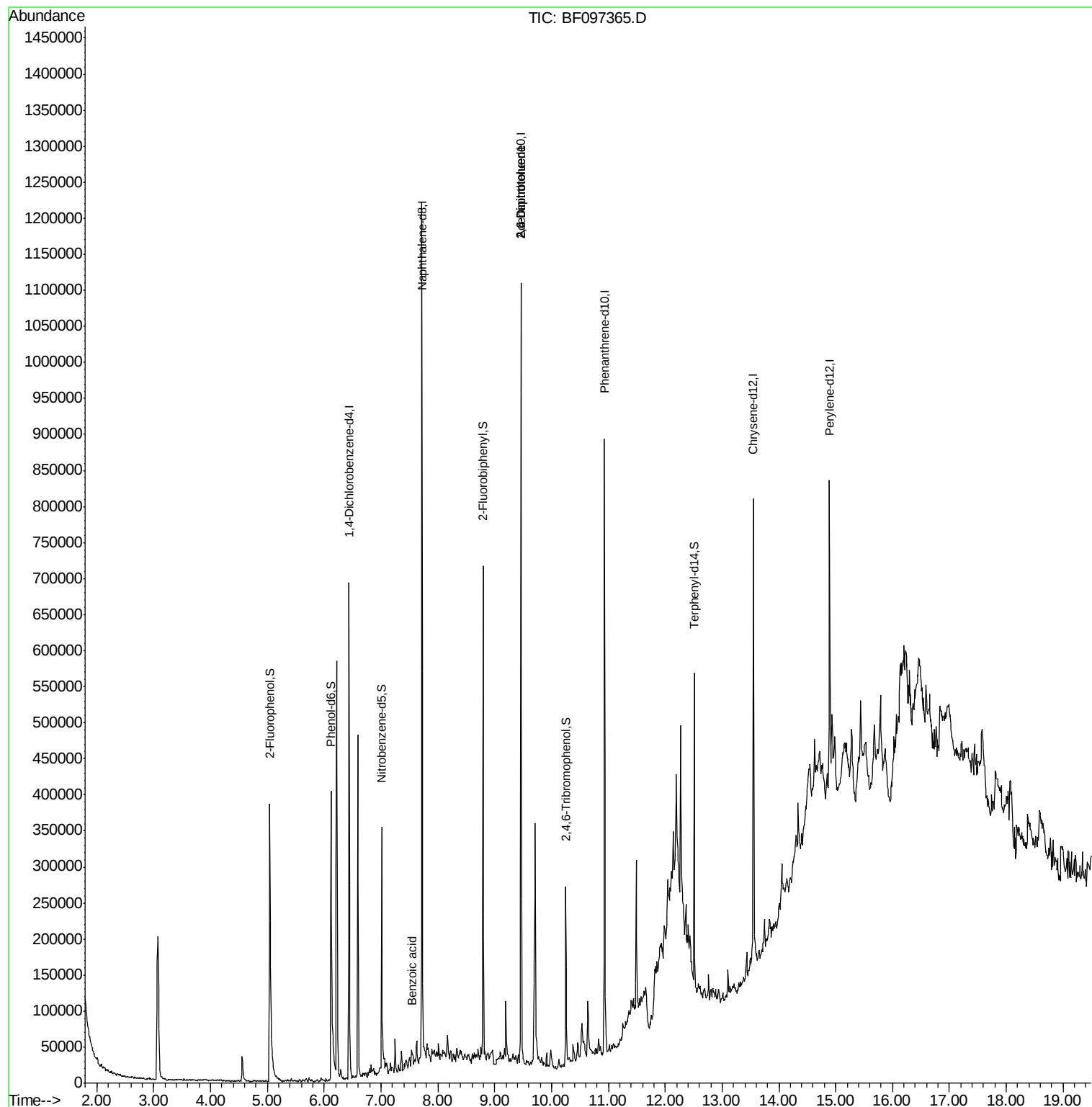
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	113346	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	491628	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	205854	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	281533	20.00	ng	-0.07
75) Chrysene-d12	13.55	240	204354	20.00	ng	-0.08
86) Perylene-d12	14.89	264	169182	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	177732	23.64	ng	-0.06
7) Phenol-d6	6.12	99	213768	24.90	ng	-0.05
23) Nitrobenzene-d5	7.01	82	116638	13.92	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	27342	16.81	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	217679	17.95	ng	-0.07
78) Terphenyl-d14	12.51	244	124898	12.46	ng	-0.08
Target Compounds						
32) Benzoic acid	7.54	122	11694	2.01	ng	Qvalue 95
50) 2,6-Dinitrotoluene	9.46	165	26450	7.98	ng	# 34
56) 2,4-Dinitrotoluene	9.46	165	26450	6.94	ng	# 34

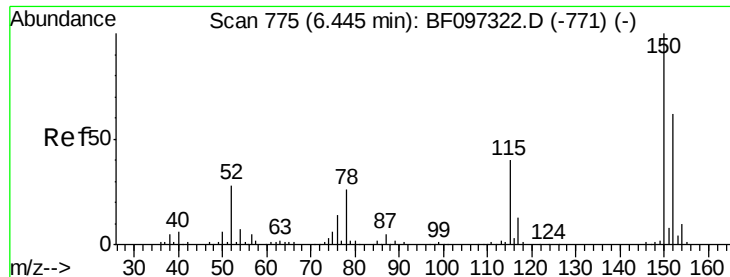
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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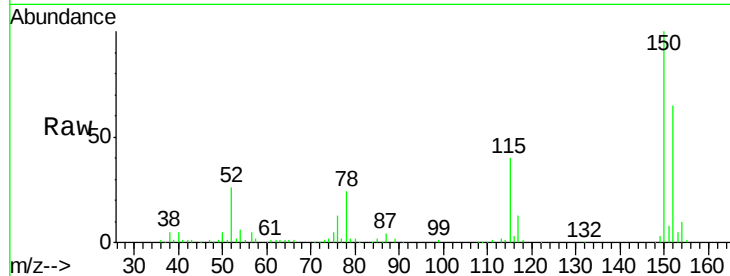


#1

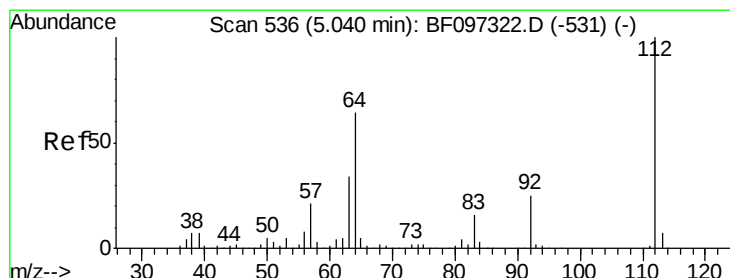
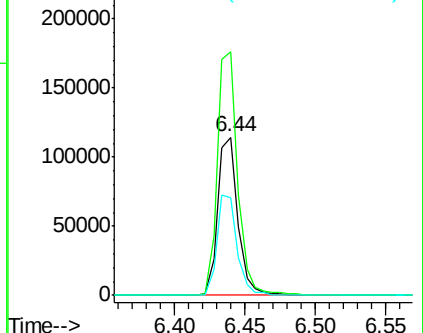
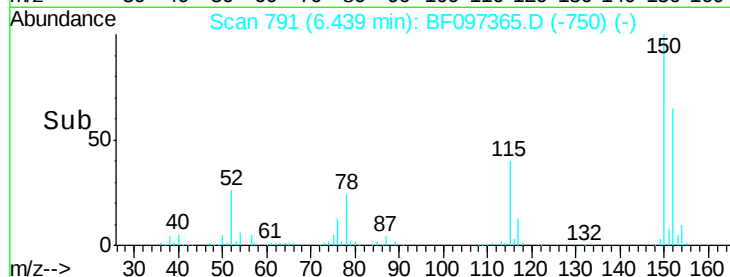
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097365.D
Acq: 4 Aug 2017 19:39

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	126.2	189.2
115	61.6	52.2	78.2



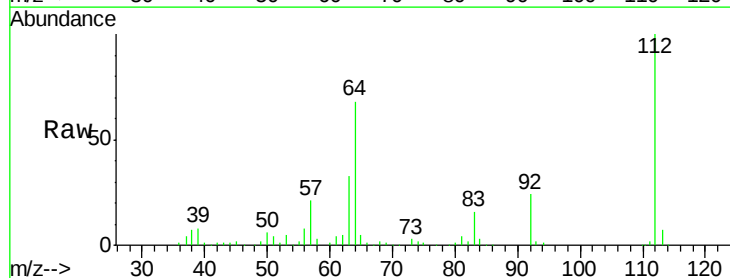
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



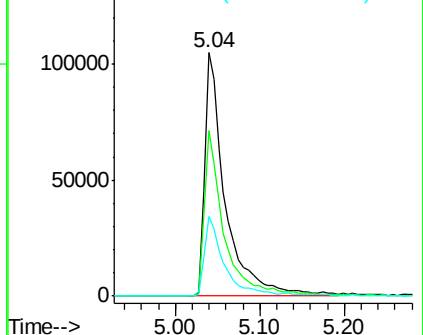
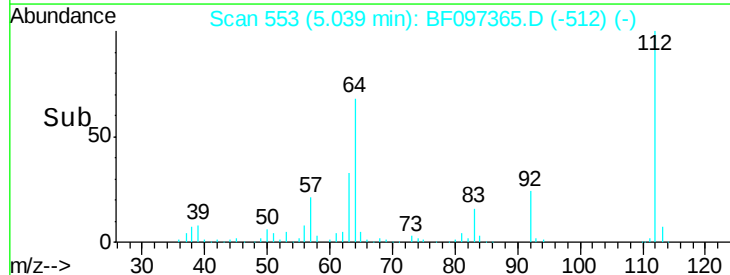
#5

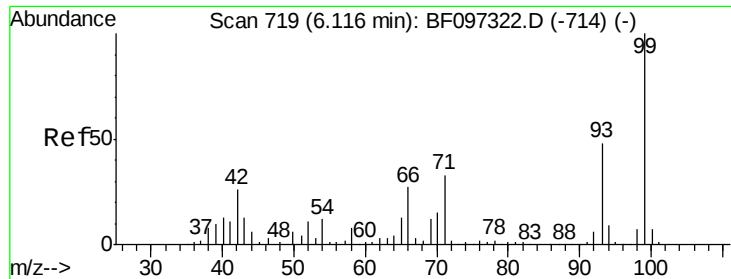
2-Fluorophenol
Concen: 23.64 ng
RT: 5.04 min Scan# 553
Delta R.T. -0.06 min
Lab File: BF097365.D
Acq: 4 Aug 2017 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	46.0	69.0
63	32.9	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: 24.90 ng

RT: 6.12 min Scan# 736

Delta R.T. -0.05 min

Lab File: BF097365.D

Acq: 4 Aug 2017 19:39

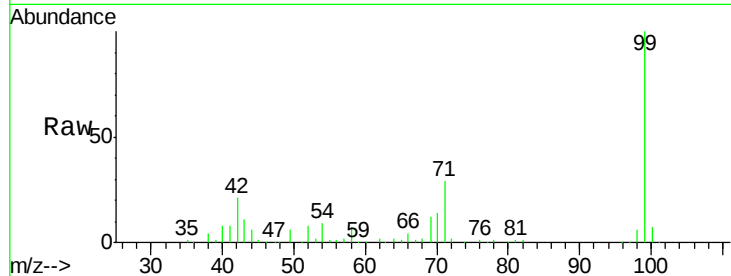
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 213768

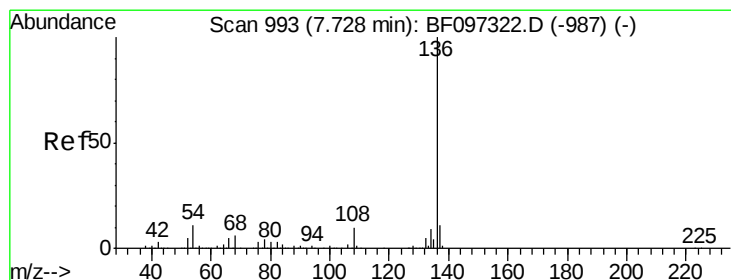
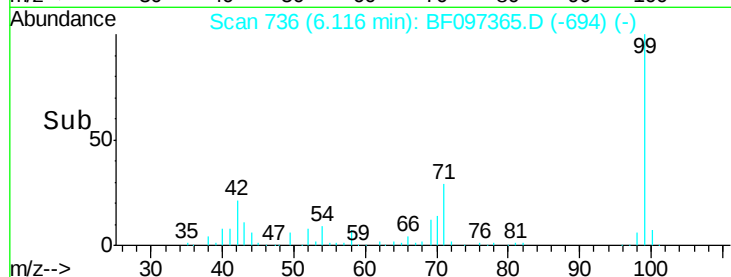
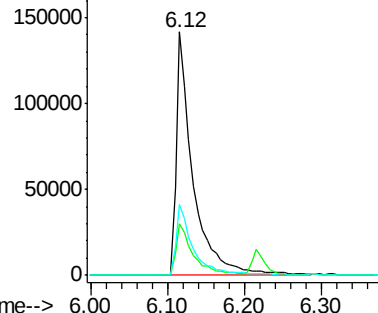
Ion	Ratio	Lower	Upper
99	100		
42	21.3	13.5	20.3#
71	29.0	24.5	36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.72 min Scan# 1009

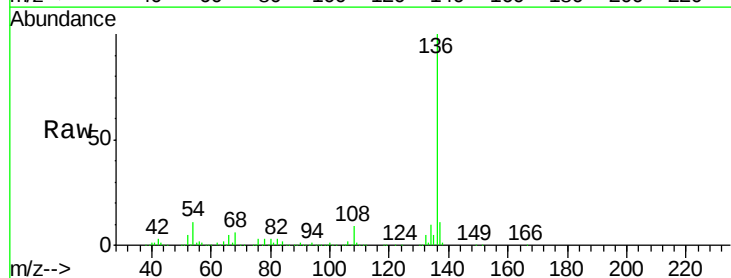
Delta R.T. -0.06 min

Lab File: BF097365.D

Acq: 4 Aug 2017 19:39

Tgt Ion: 136 Resp: 491628

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	10.7	4.9	7.3#
68	5.5	4.1	6.1

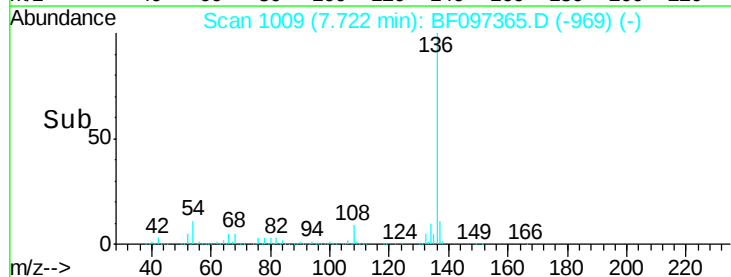
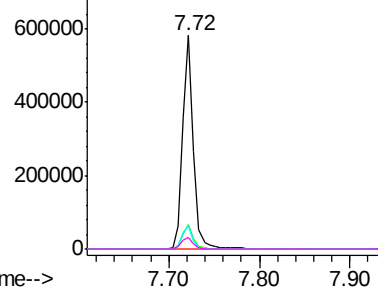


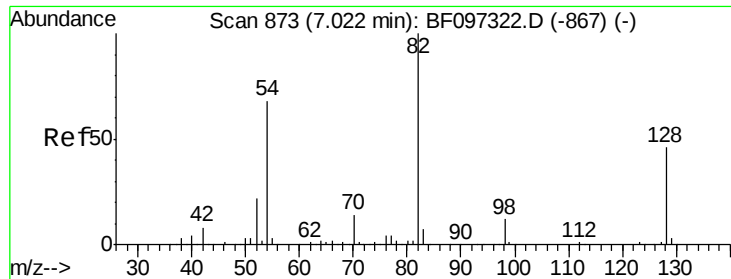
Abundance Ion 136.00 (135.70 to 136.70): E

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

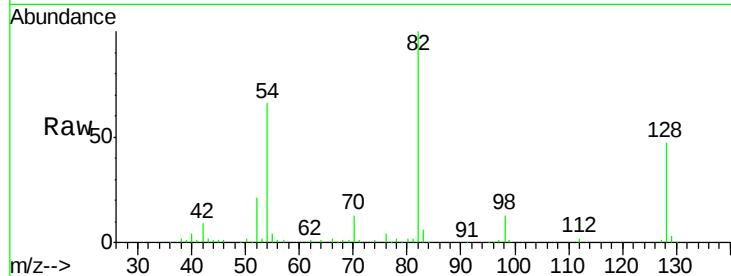




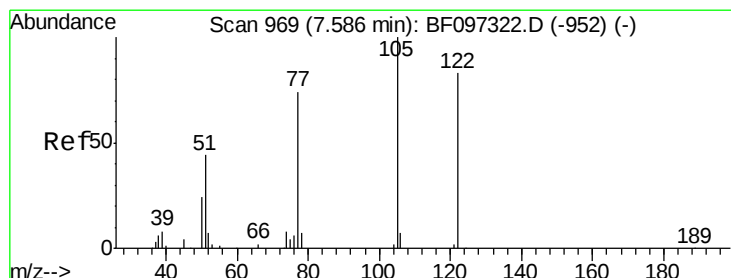
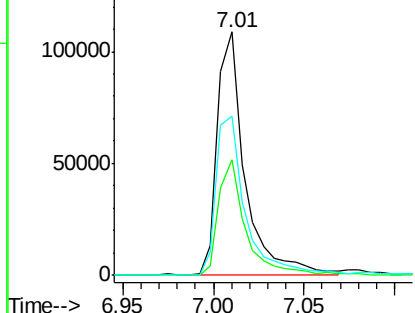
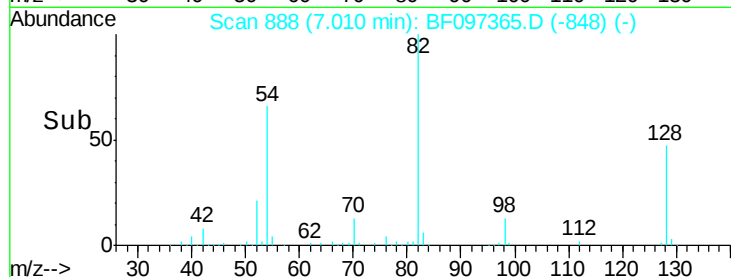
#23
Nitrobenzene-d5
Concen: 13.92 ng
RT: 7.01 min Scan# 888
Delta R.T. -0.06 min
Lab File: BF097365.D
Acq: 4 Aug 2017 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 116638
Ion Ratio Lower Upper
82 100
128 47.4 34.0 51.0
54 65.6 42.2 63.2#

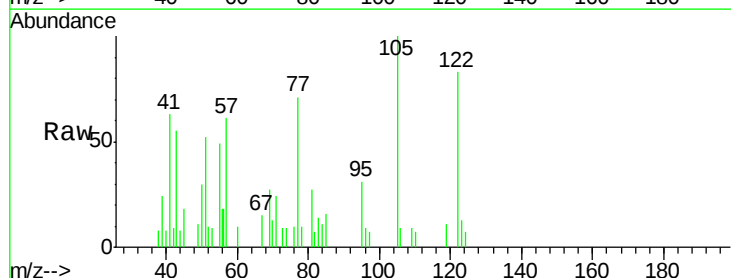


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

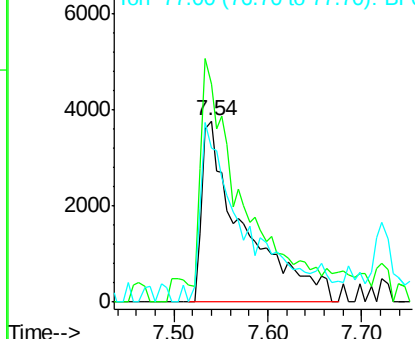
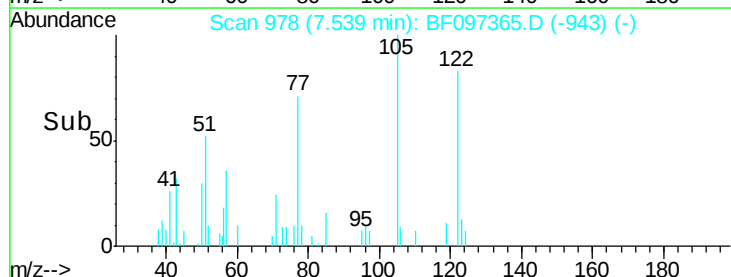


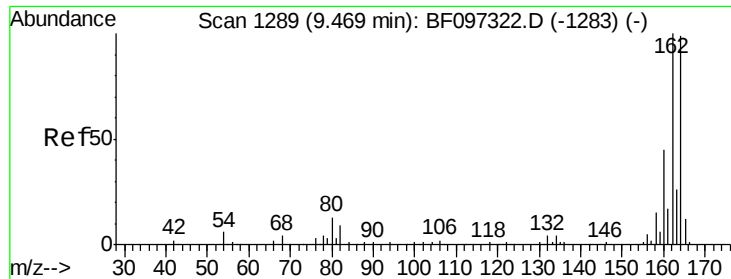
#32
Benzoic acid
Concen: 2.01 ng
RT: 7.54 min Scan# 978
Delta R.T. -0.09 min
Lab File: BF097365.D
Acq: 4 Aug 2017 19:39

Tgt Ion:122 Resp: 11694
Ion Ratio Lower Upper
122 100
105 120.4 103.3 143.3
77 85.2 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): B
Ion 105.00 (104.70 to 105.70): B
Ion 77.00 (76.70 to 77.70): BF0

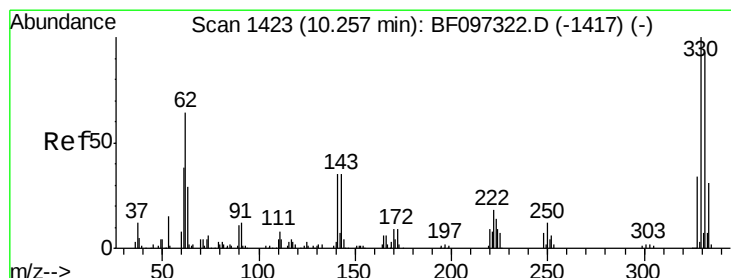
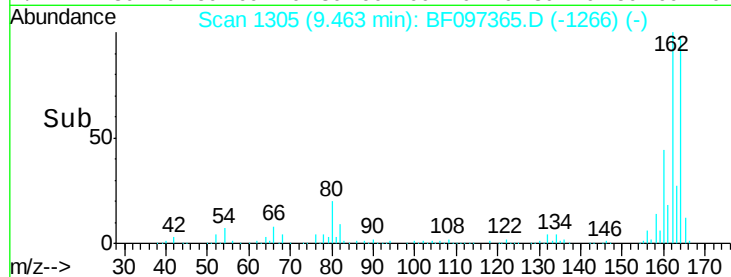
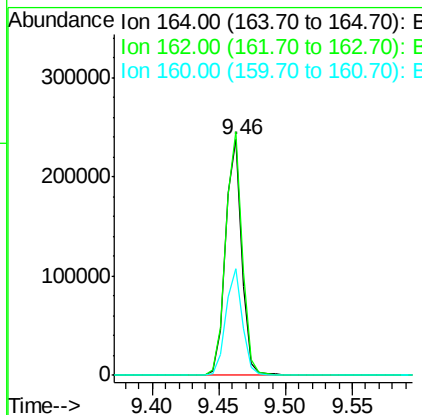
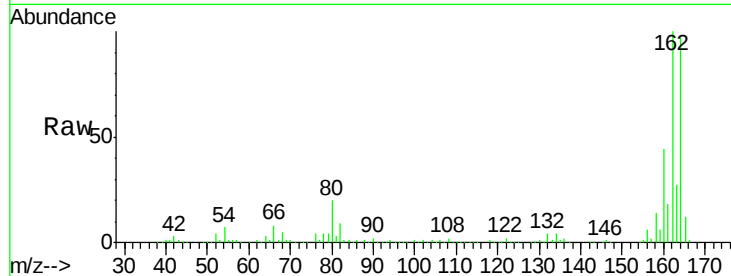




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.46 min Scan# 1305
 Delta R.T. -0.07 min
 Lab File: BF097365.D
 Acq: 4 Aug 2017 19:39

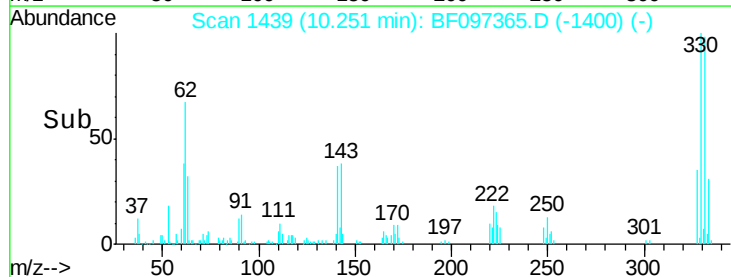
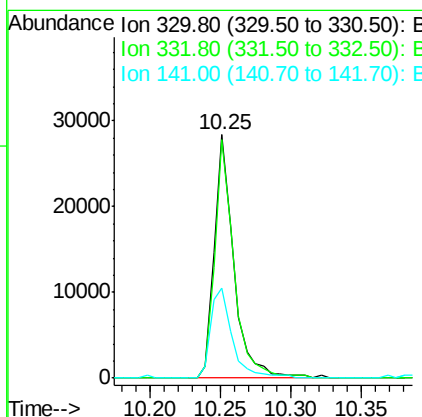
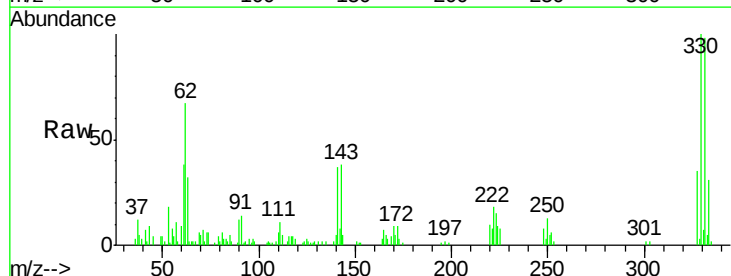
Instrument :
 BNA_F
 ClientSampleId :

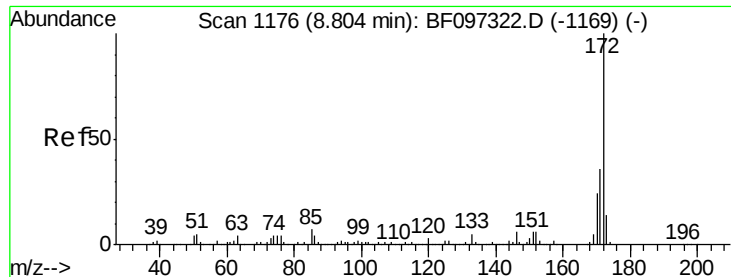
Tot Ion:164 Resp: 205854
 Ion Ratio Lower Upper
 164 100
 162 103.3 82.6 123.8
 160 45.1 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 16.81 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.07 min
 Lab File: BF097365.D
 Acq: 4 Aug 2017 19:39

Tgt Ion:330 Resp: 27342
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 41.0 31.4 47.2

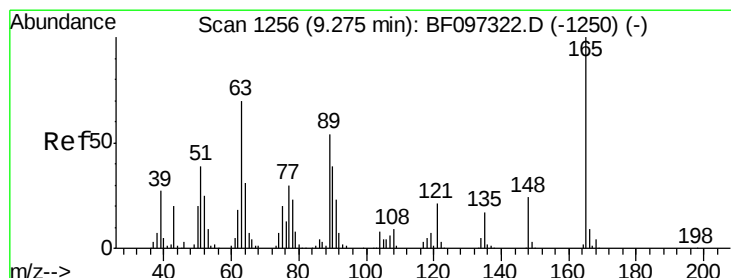
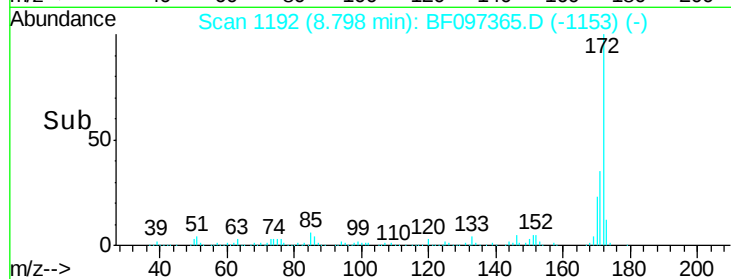
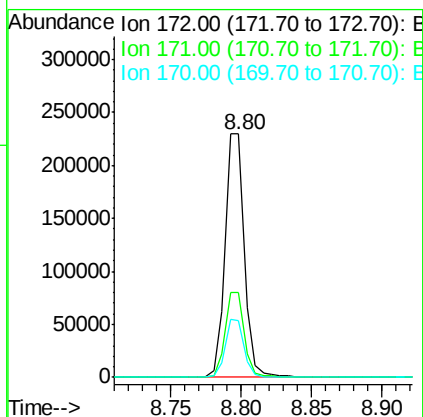
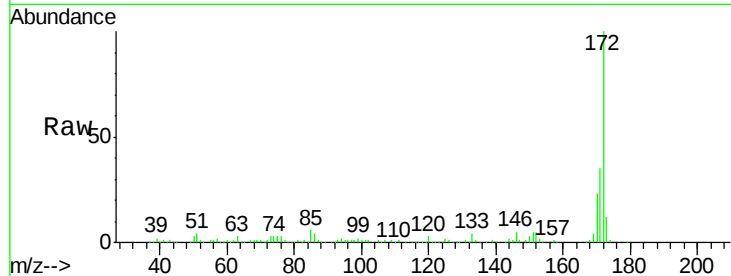




#44
 2-Fluorobiphenyl
 Concen: 17.95 ng
 RT: 8.80 min Scan# 1192
 Delta R.T. -0.07 min
 Lab File: BF097365.D
 Acq: 4 Aug 2017 19:39

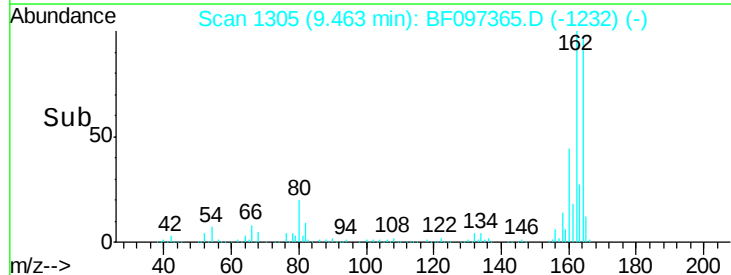
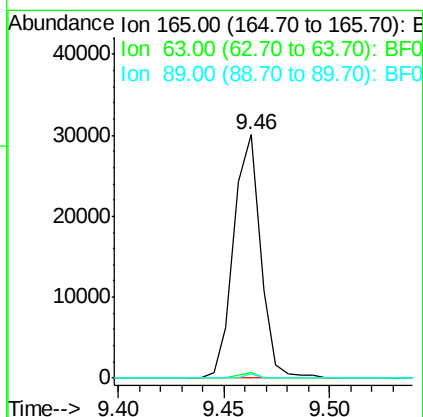
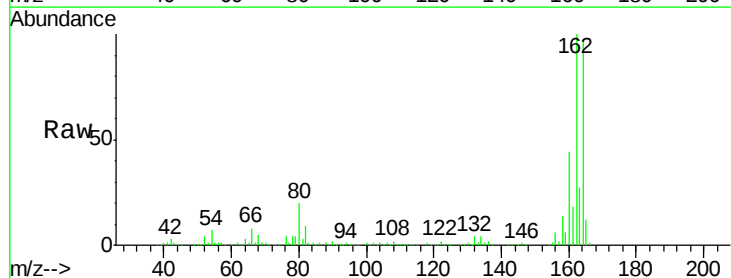
Instrument :
 BNA_F
 ClientSampleId :

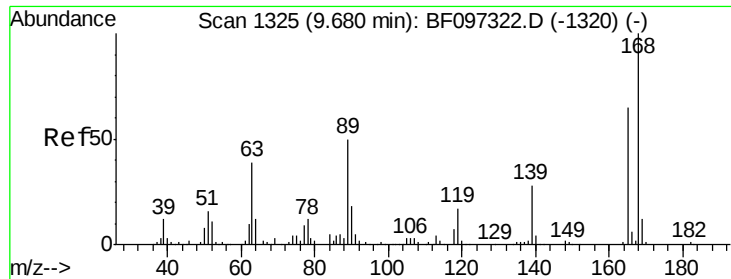
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.6	44.4
170	23.2	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.98 ng
 RT: 9.46 min Scan# 1305
 Delta R.T. 0.13 min
 Lab File: BF097365.D
 Acq: 4 Aug 2017 19:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	34.3	51.5#
89	1.6	37.1	55.7#

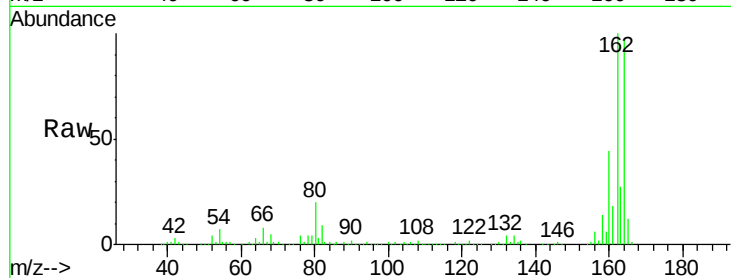




#56
 2,4-Dinitrotoluene
 Concen: 6.94 ng
 RT: 9.46 min Scan# 1305
 Delta R.T. -0.27 min
 Lab File: BF097365.D
 Acq: 4 Aug 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#

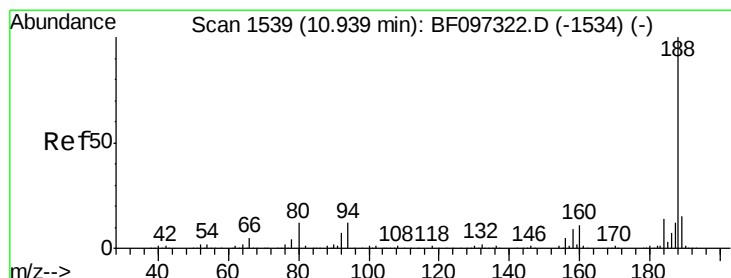
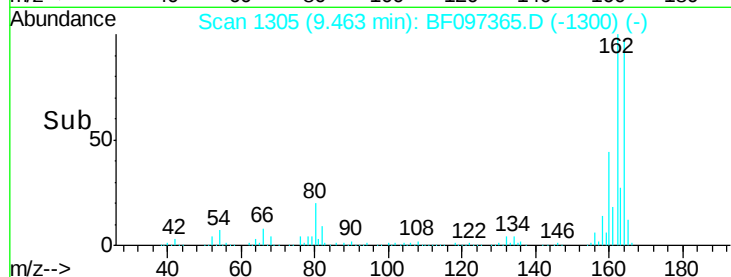
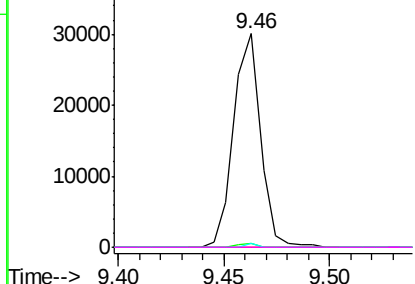


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

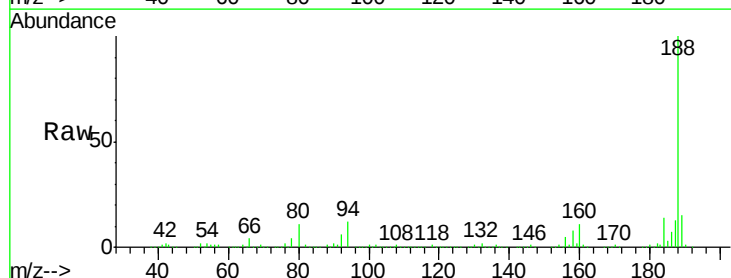
Ion 89.00 (88.70 to 89.70): BF0

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: BF097365.D
 Acq: 4 Aug 2017 19:39

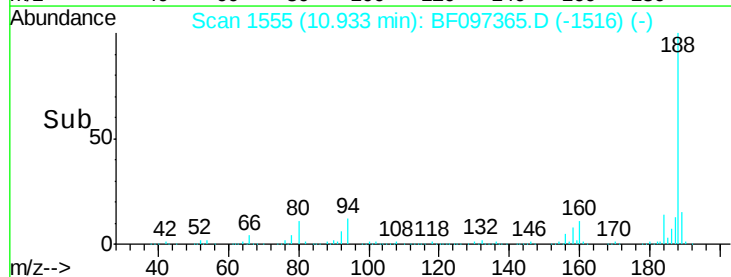
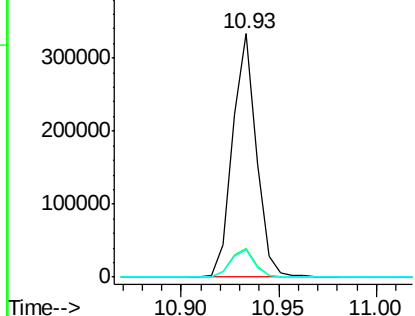
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.4	14.2
80	11.1	10.2	15.2

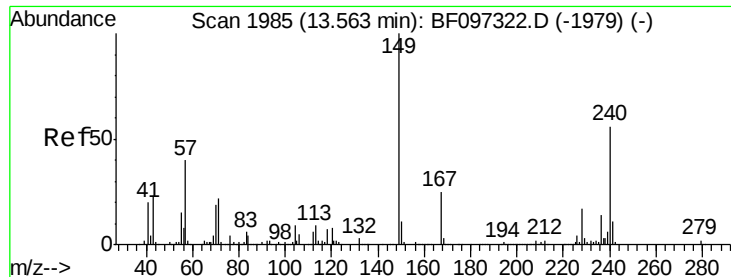


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.55 min Scan# 2000

Delta R.T. -0.08 min

Lab File: BF097365.D

Acq: 4 Aug 2017 19:39

Instrument :

BNA_F

ClientSampleId :

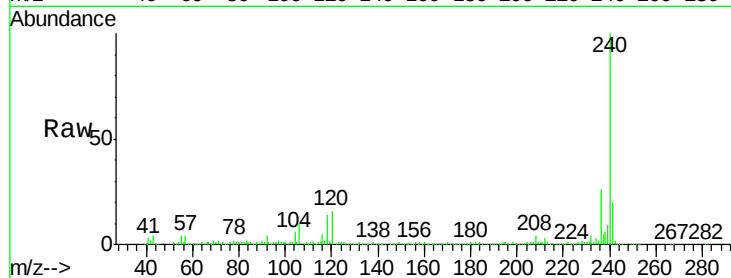
Tot Ion:240 Resp: 204354

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

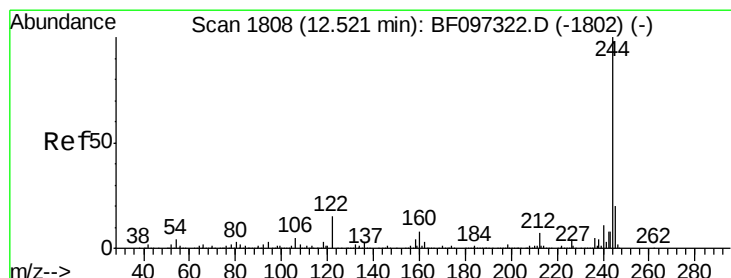
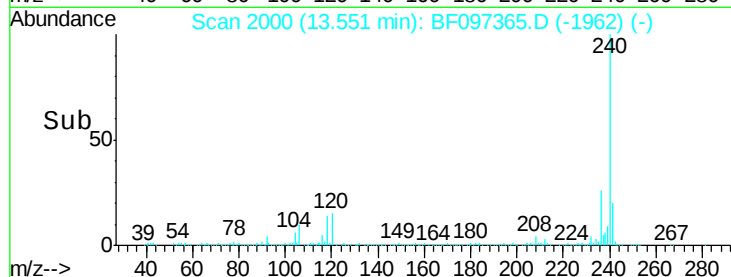
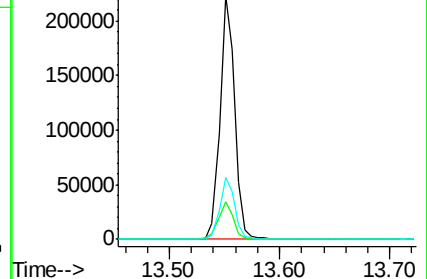
236 25.6 20.5 30.7



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



#78

Terphenyl-d14

Concen: 12.46 ng

RT: 12.51 min Scan# 1823

Delta R.T. -0.08 min

Lab File: BF097365.D

Acq: 4 Aug 2017 19:39

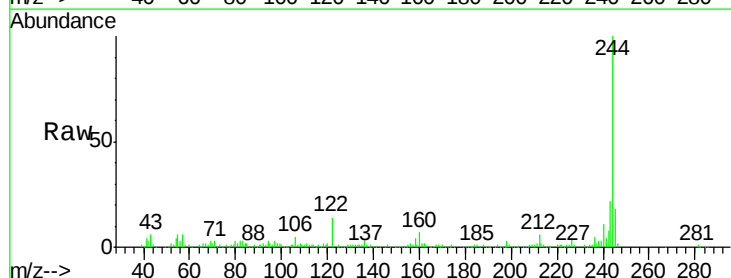
Tgt Ion:244 Resp: 124898

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

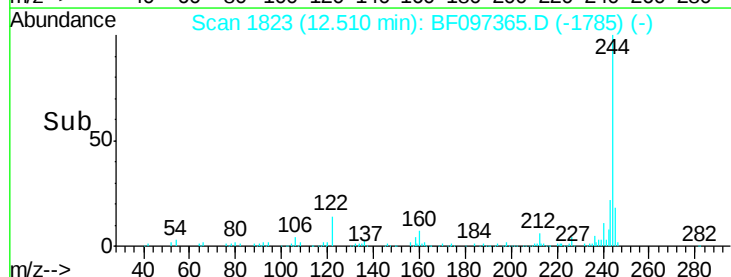
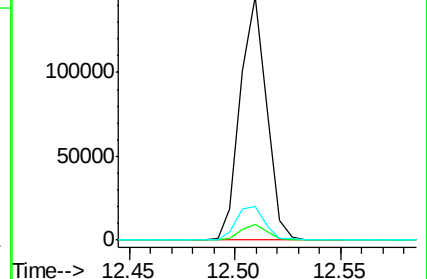
122 13.8 10.3 15.5

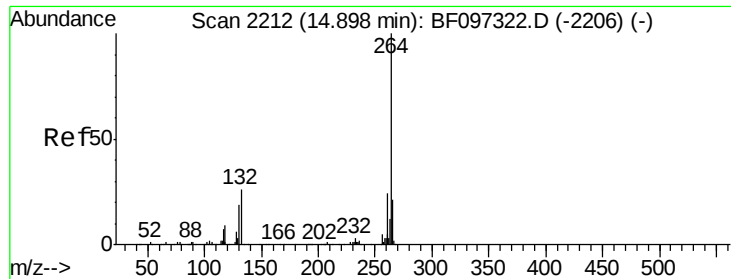


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

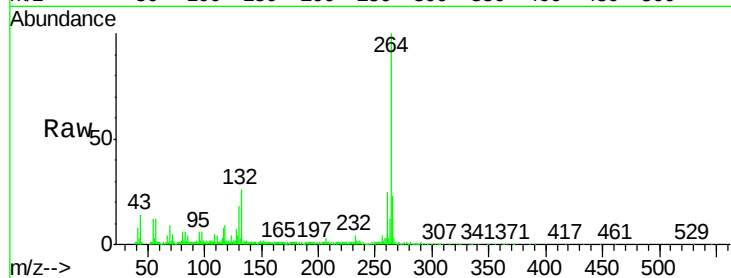




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 2228
Delta R.T. -0.08 min
Lab File: BF097365.D
Acq: 4 Aug 2017 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	22.5	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

