

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100817\
 Data File : BF099226.D
 Acq On : 8 Oct 2017 12:20
 Operator : SJ/JU
 Sample : PB103045TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 01:07:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

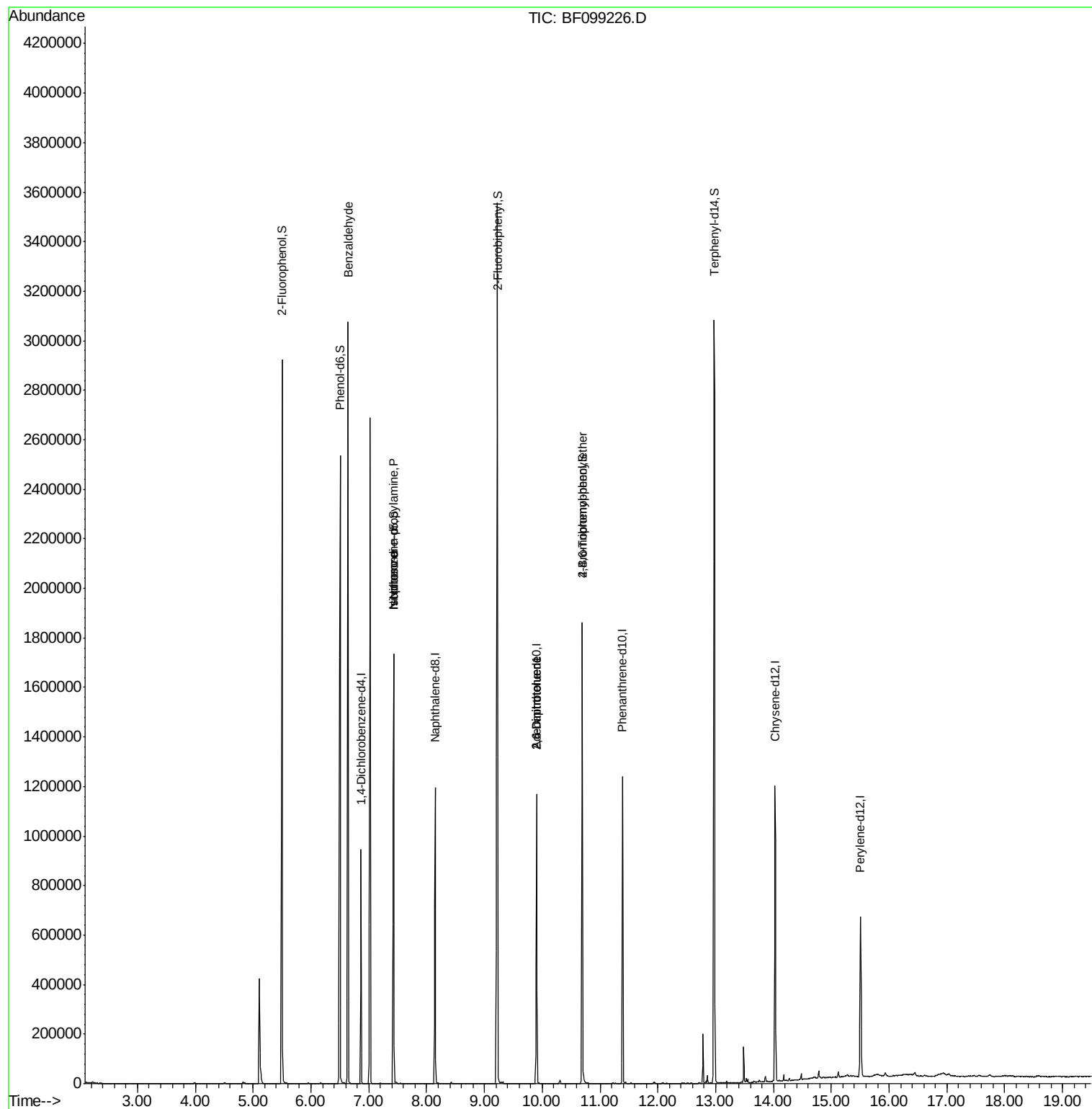
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	134075	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	561340	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	254350	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	467708	20.00	ng	0.00
75) Chrysene-d12	14.03	240	374823	20.00	ng	0.00
86) Perylene-d12	15.51	264	293046	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	929806	110.40	ng	0.02
7) Phenol-d6	6.50	99	1111997	107.03	ng	0.00
23) Nitrobenzene-d5	7.43	82	680525	77.75	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	242569	116.55	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1253802	82.29	ng	0.00
78) Terphenyl-d14	12.97	244	1151055	69.84	ng	0.00
Target Compounds						
9) Benzaldehyde	6.64	77	19059	3.16	ng	Qvalue 84
19) n-Nitroso-di-n-propylamine	7.43	70	86134	12.98	ng	# 76
25) Isophorone	7.43	82	680514	37.60	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	33262	7.96	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	33262	6.13	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	16189	3.54	ng	# 1

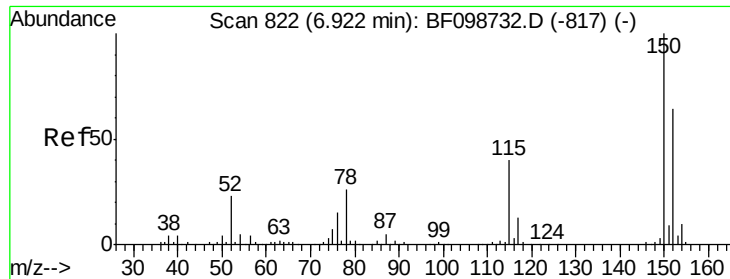
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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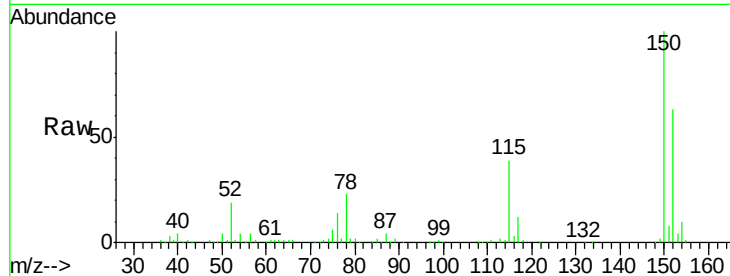


#1

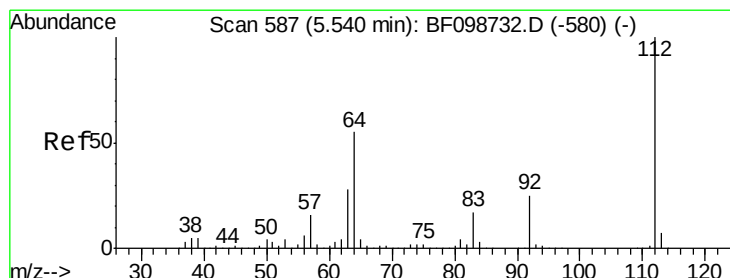
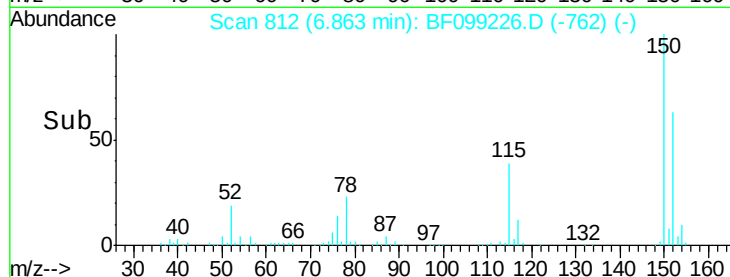
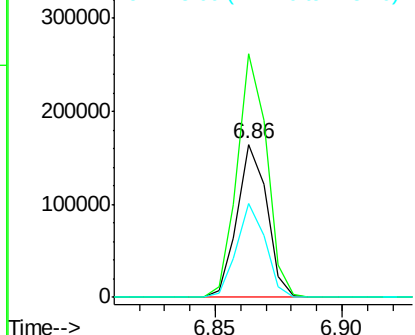
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099226.D
Acq: 8 Oct 2017 12:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134075
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 61.7 50.1 75.1



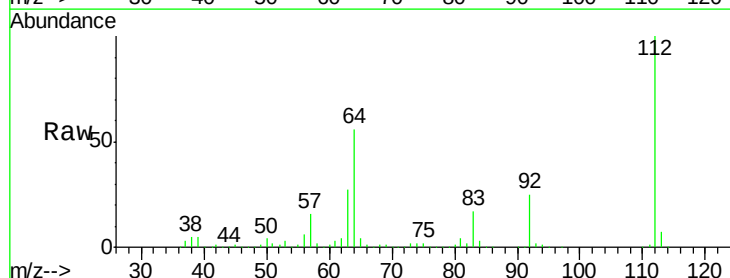
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



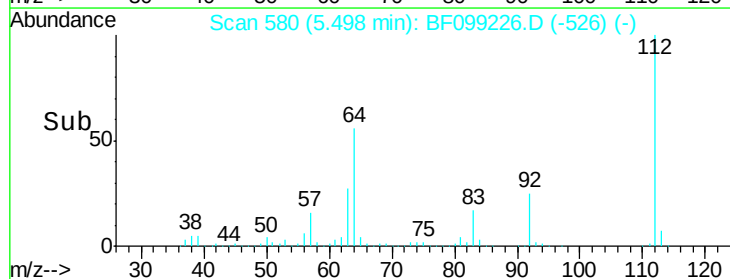
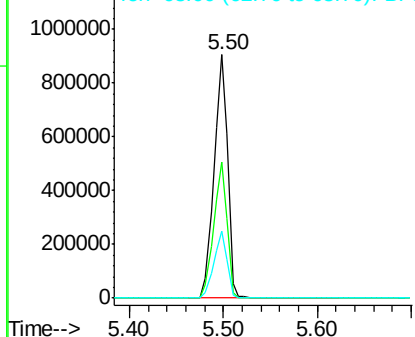
#5

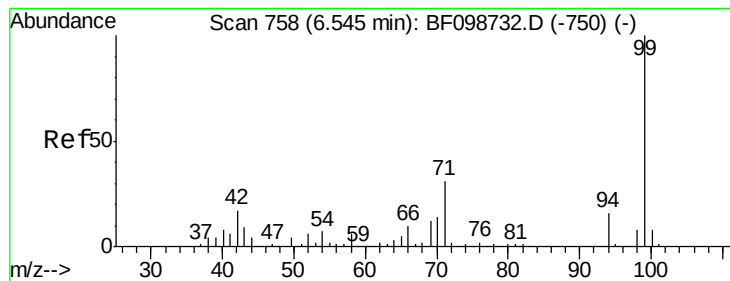
2-Fluorophenol
Concen: 110.40 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.02 min
Lab File: BF099226.D
Acq: 8 Oct 2017 12:20

Tgt Ion:112 Resp: 929806
Ion Ratio Lower Upper
112 100
64 55.9 47.9 71.9
63 27.3 23.7 35.5



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: 107.03 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099226.D

Acq: 8 Oct 2017 12:20

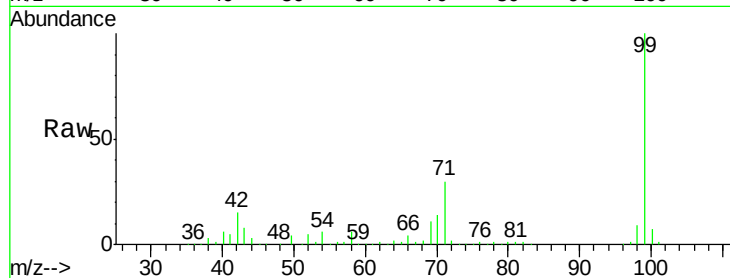
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1111997

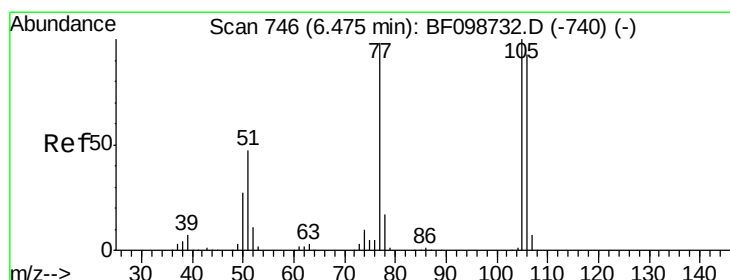
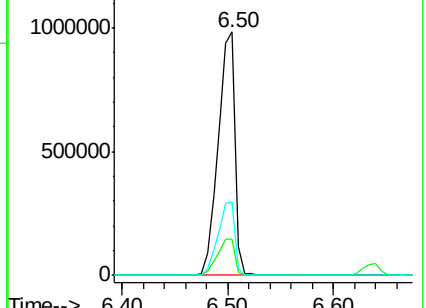
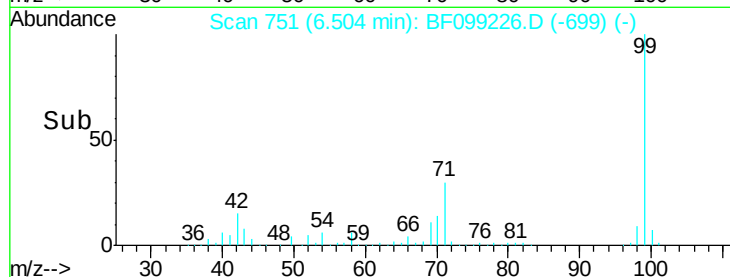
Ion	Ratio	Lower	Upper
99	100		
42	14.7	14.5	21.7
71	30.2	25.4	38.0



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



#9

Benzaldehyde

Concen: 3.16 ng

RT: 6.64 min Scan# 774

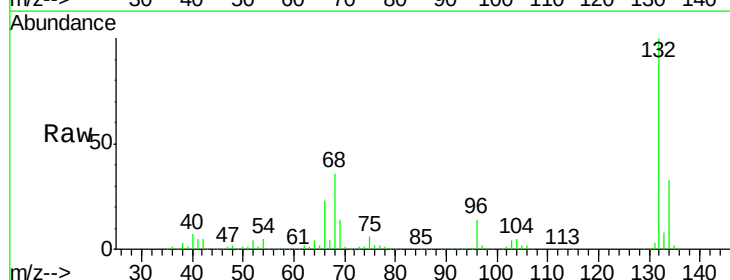
Delta R.T. 0.22 min

Lab File: BF099226.D

Acq: 8 Oct 2017 12:20

Tgt Ion: 77 Resp: 19059

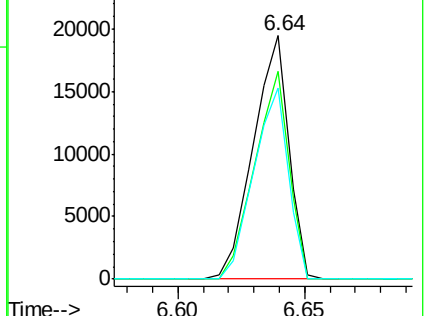
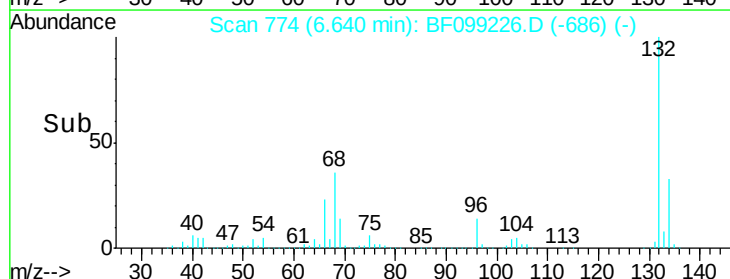
Ion	Ratio	Lower	Upper
77	100		
105	85.5	81.1	121.1
106	78.7	74.5	114.5

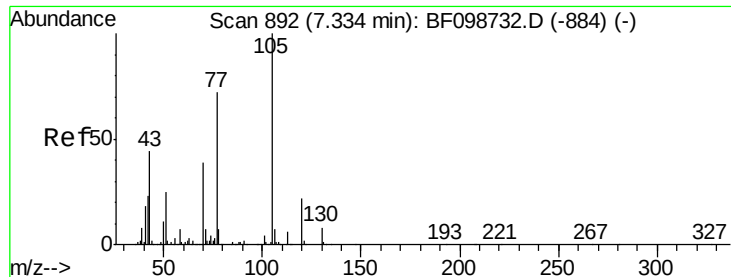


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

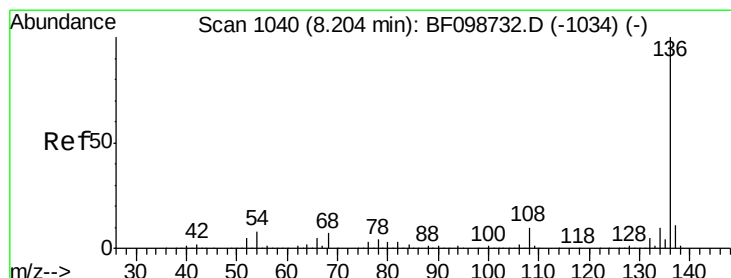
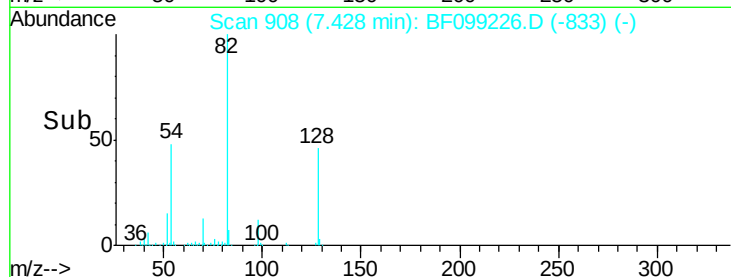
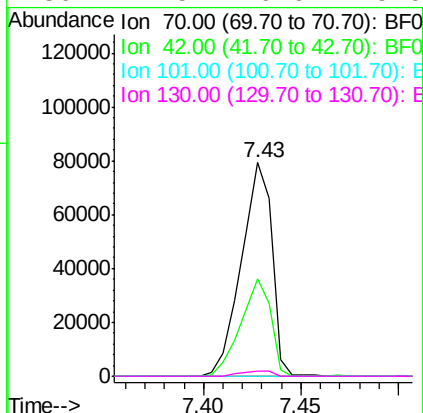
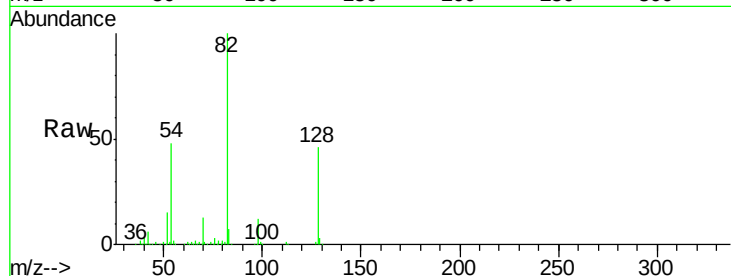




#19
n-Nitroso-di-n-propylamine
Concen: 12.98 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF099226.D
Acq: 8 Oct 2017 12:20

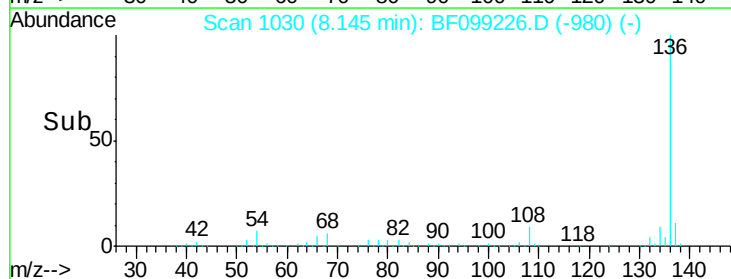
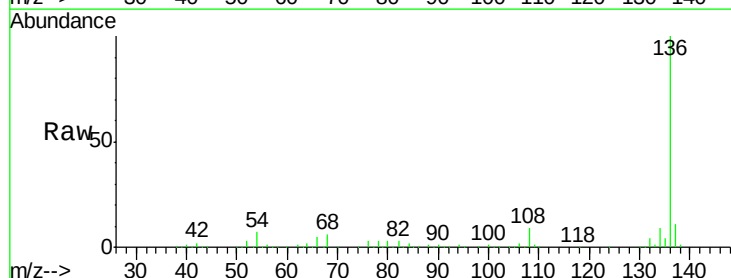
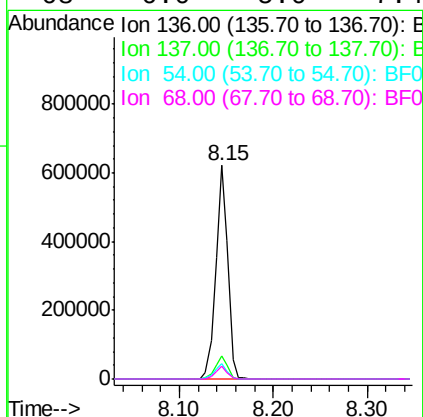
Instrument :
BNA_F
ClientSampleId :

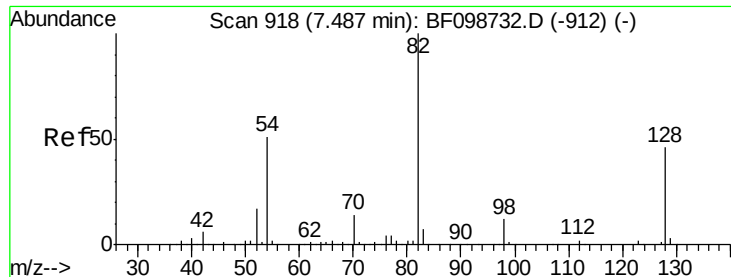
Tot Ion: 70 Resp: 86134
Ion Ratio Lower Upper
70 100
42 45.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099226.D
Acq: 8 Oct 2017 12:20

Tgt Ion:136 Resp: 561340
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.4 6.6 9.8
68 6.0 5.0 7.4

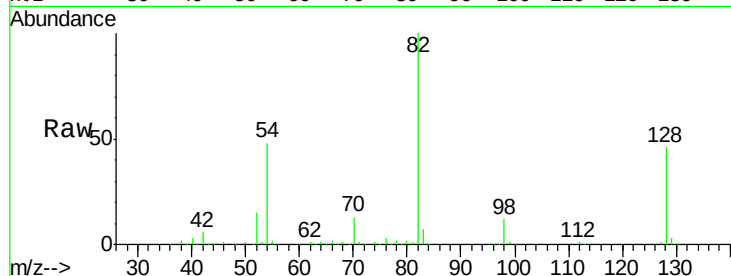




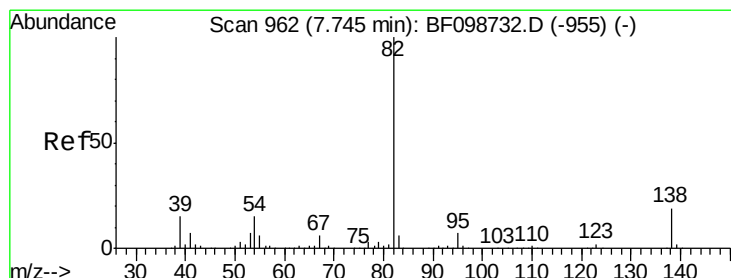
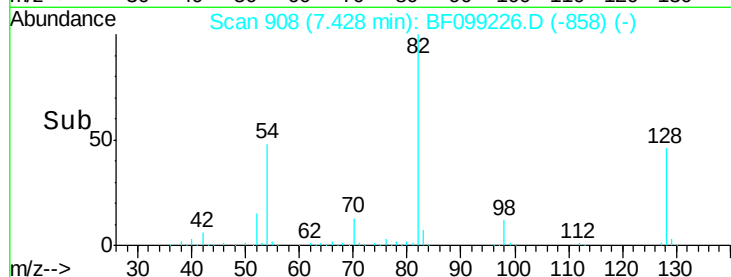
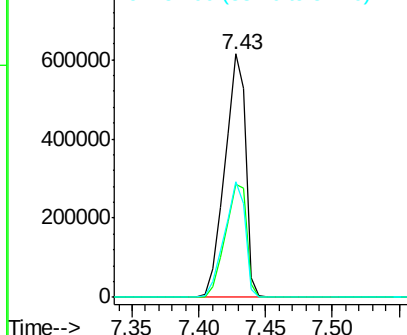
#23
 Nitrobenzene-d5
 Concen: 77.75 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099226.D
 Acq: 8 Oct 2017 12:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	680525
Ion Ratio	Lower	Upper	
82	100		
128	46.2	36.1	54.1
54	47.7	41.4	62.2

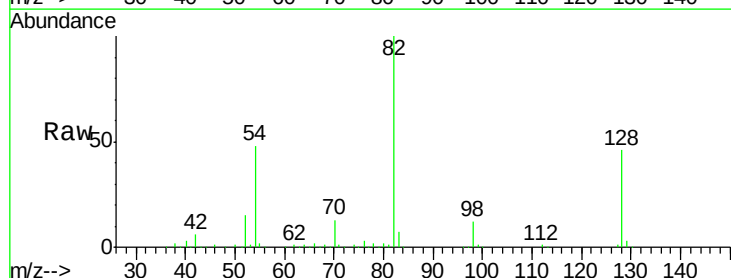


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

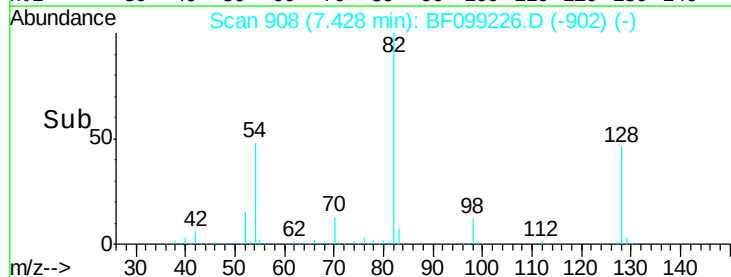
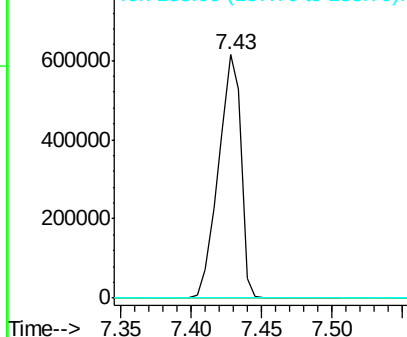


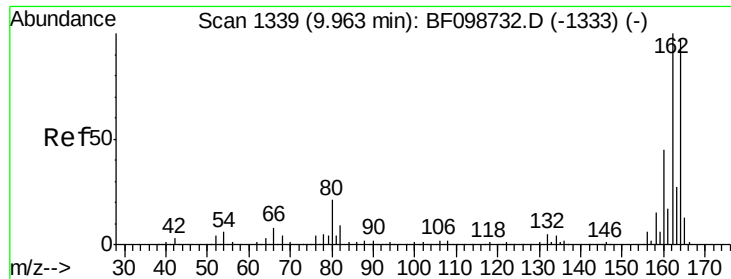
#25
 Isophorone
 Concen: 37.60 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.26 min
 Lab File: BF099226.D
 Acq: 8 Oct 2017 12:20

Tgt Ion	82	Resp	680514
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



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: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099226.D

Acq: 8 Oct 2017 12:20

Instrument :

BNA_F

ClientSampleId :

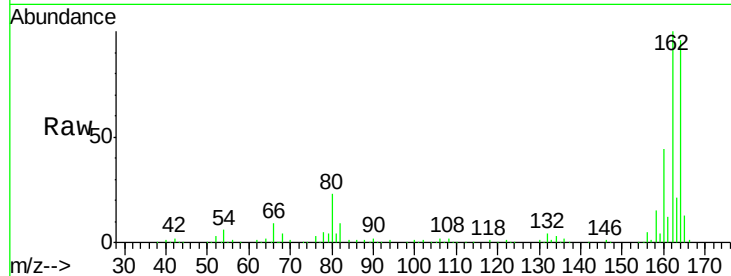
Tot Ion:164 Resp: 254350

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

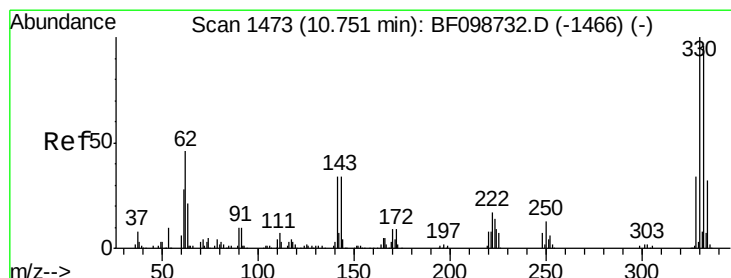
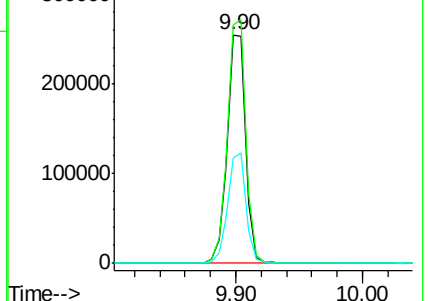
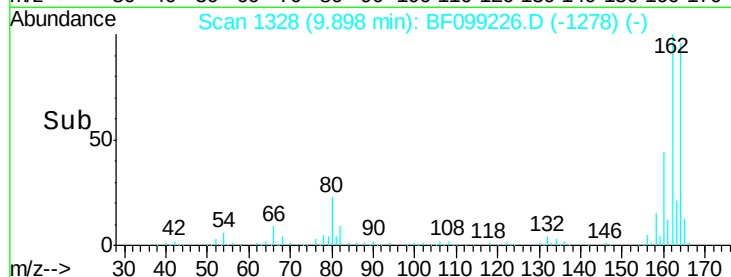
160 45.8 38.3 57.5



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: 116.55 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BF099226.D

Acq: 8 Oct 2017 12:20

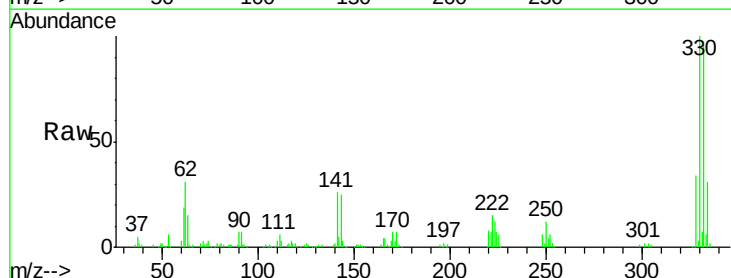
Tgt Ion:330 Resp: 242569

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

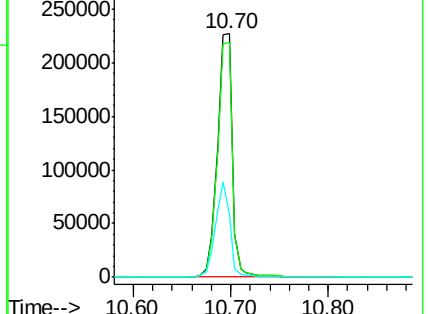
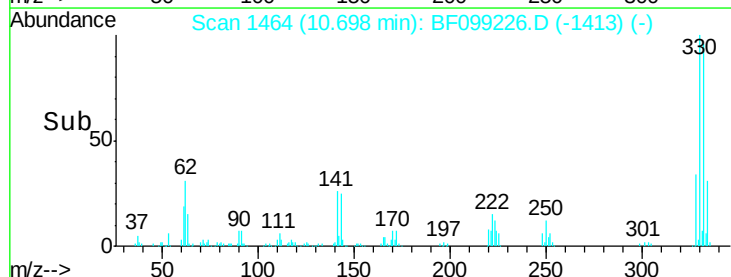
141 37.4 29.9 44.9

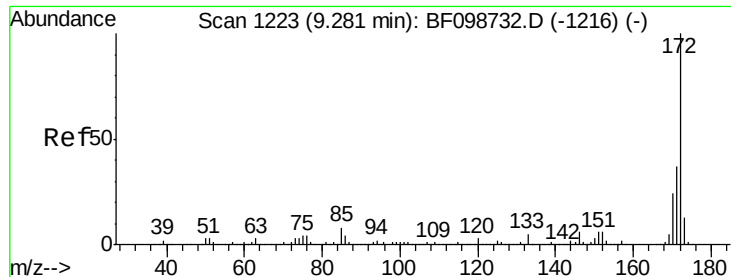


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

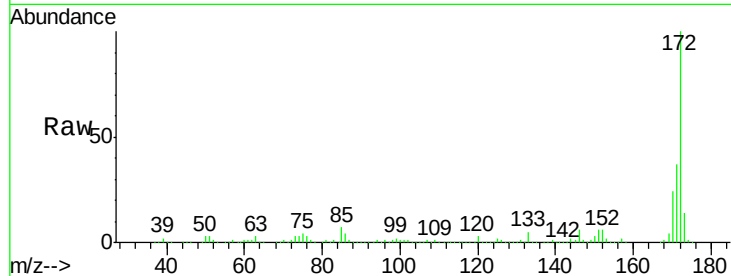




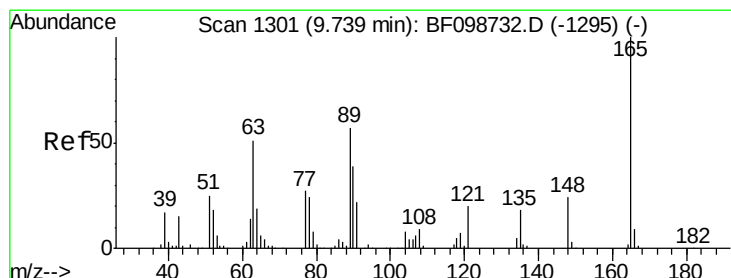
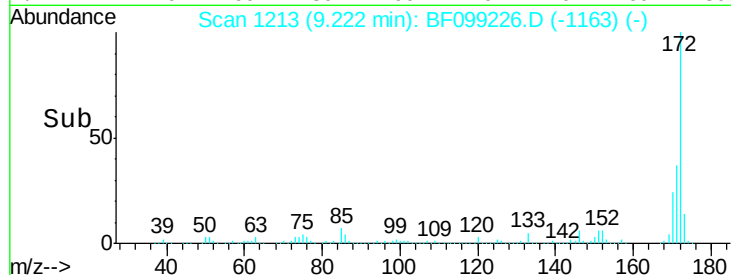
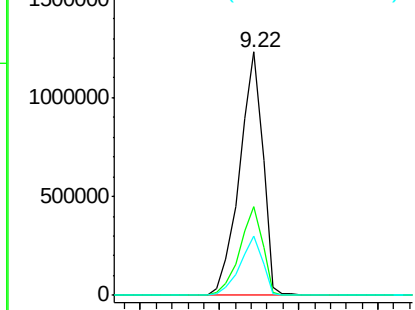
#44
2-Fluorobiphenyl
Concen: 82.29 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF099226.D
Acq: 8 Oct 2017 12:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1253802
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.2 19.6 29.4

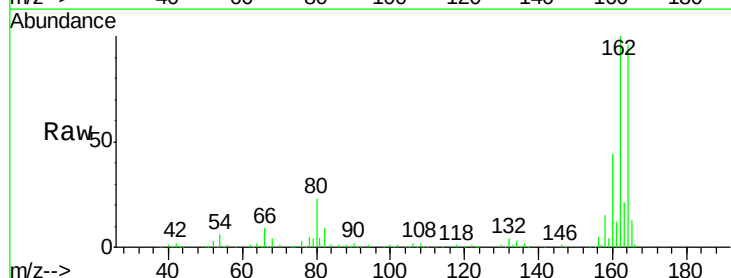


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

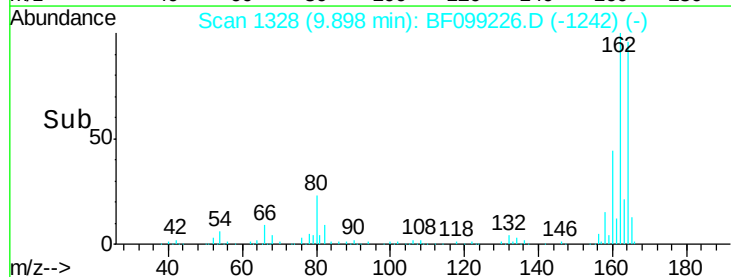
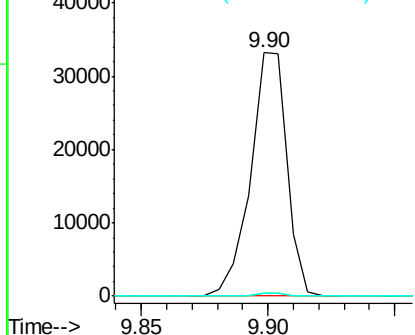


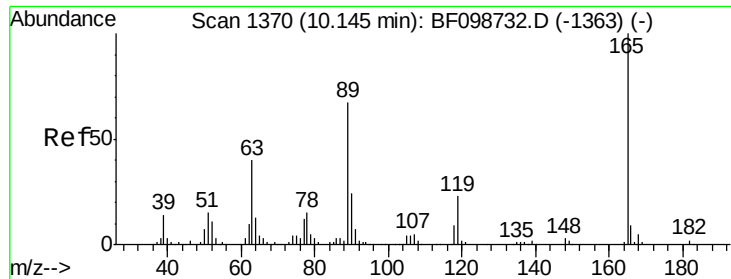
#50
2,6-Dinitrotoluene
Concen: 7.96 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF099226.D
Acq: 8 Oct 2017 12:20

Tgt Ion:165 Resp: 33262
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 1.0 44.0 66.0#



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

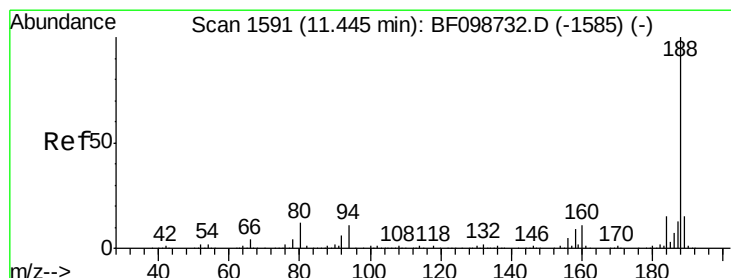
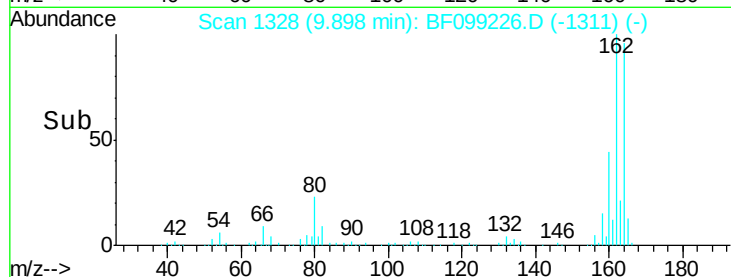
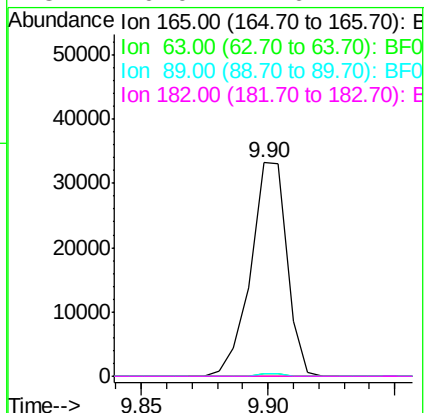
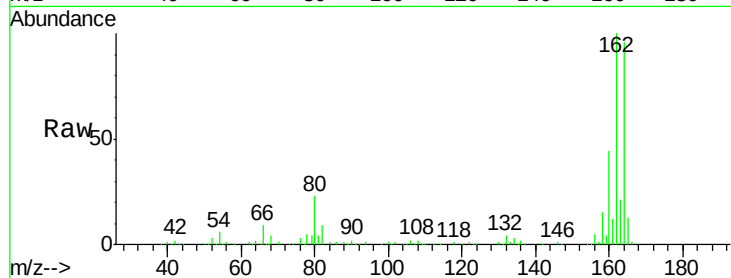




#56
 2,4-Dinitrotoluene
 Concen: 6.13 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099226.D
 Acq: 8 Oct 2017 12:20

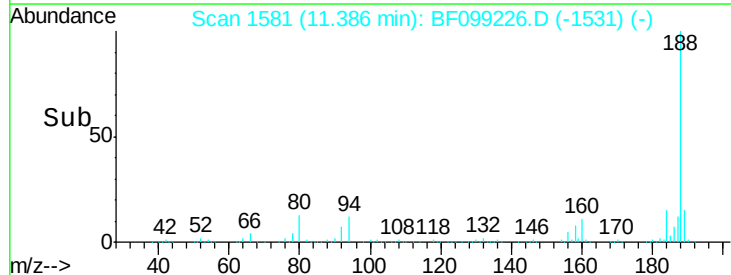
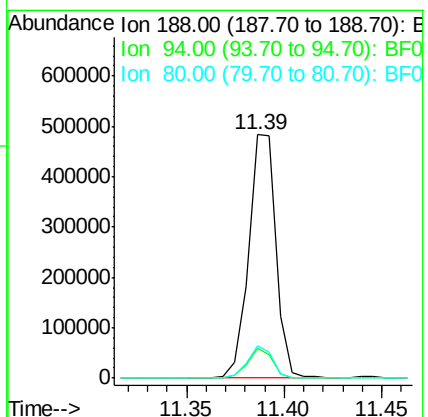
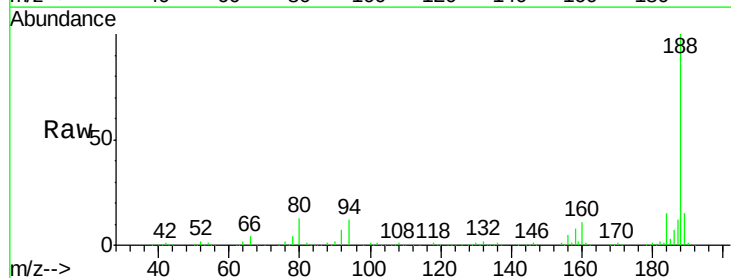
Instrument :
 BNA_F
 ClientSampled :

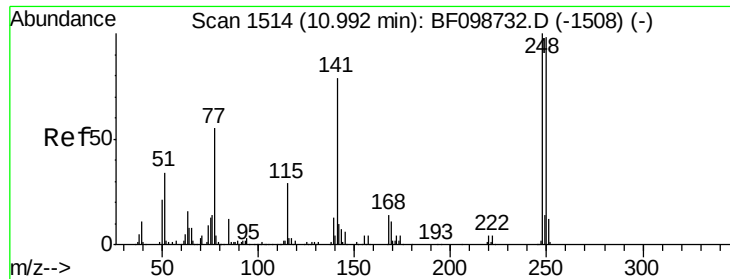
Tot Ion:165	Resp:	33262
Ion Ratio	Lower	Upper
165	100	
63	1.1	36.4 54.6#
89	1.0	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099226.D
 Acq: 8 Oct 2017 12:20

Tgt Ion:188	Resp:	467708
Ion Ratio	Lower	Upper
188	100	
94	12.2	8.5 12.7
80	13.1	9.2 13.8

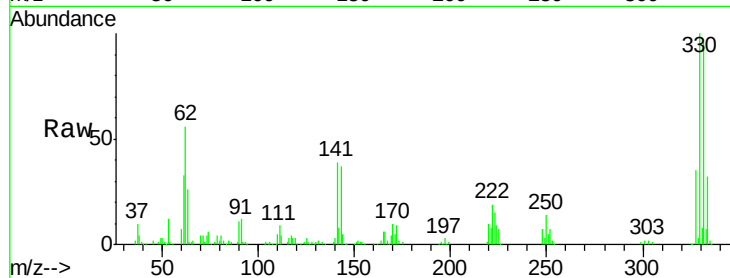




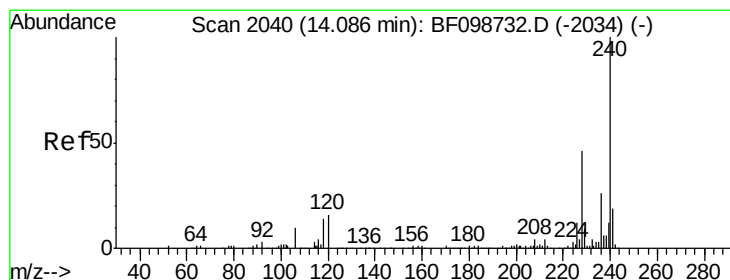
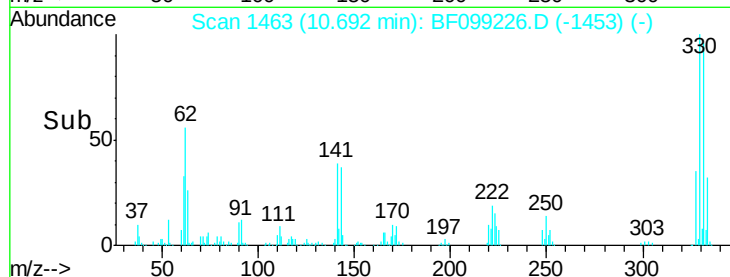
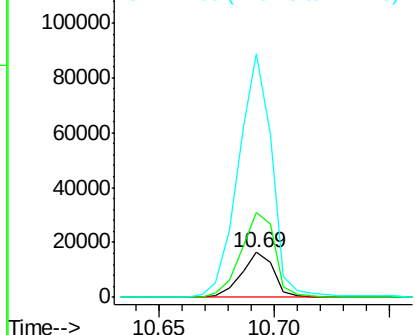
#66
 4-Bromophenyl-phenylether
 Concen: 3.54 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099226.D
 Acq: 8 Oct 2017 12:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 16189
 Ion Ratio Lower Upper
 248 100
 250 188.2 76.9 115.3#
 141 539.7 74.4 111.6#

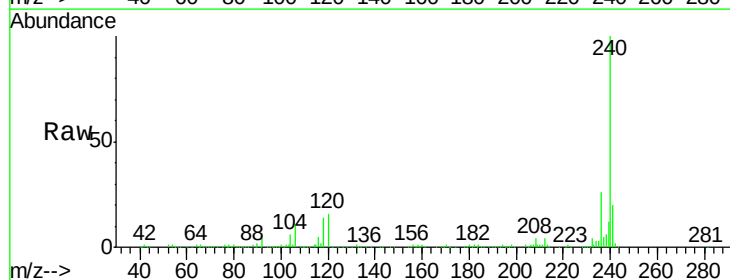


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

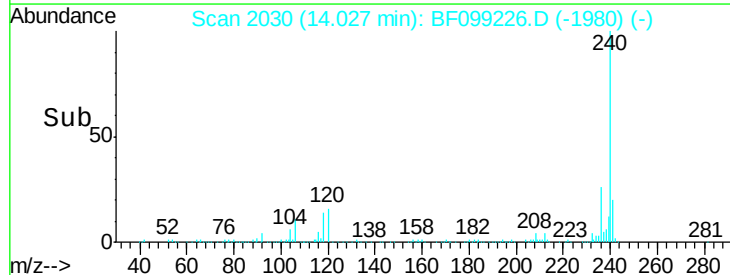
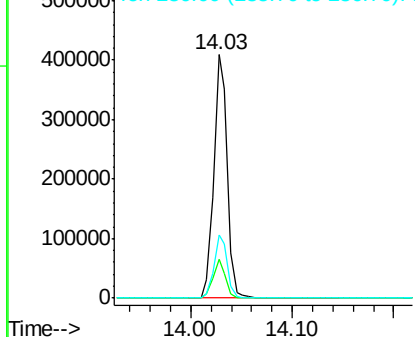


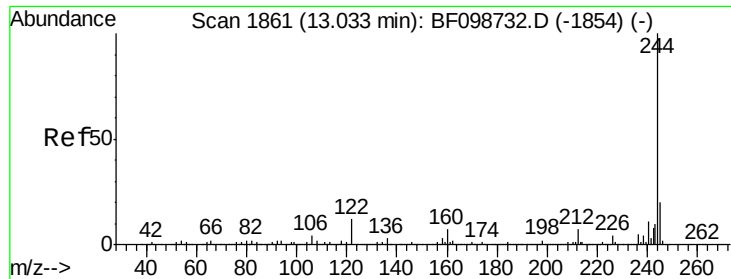
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF099226.D
 Acq: 8 Oct 2017 12:20

Tgt Ion:240 Resp: 374823
 Ion Ratio Lower Upper
 240 100
 120 16.1 9.5 14.3#
 236 26.0 20.7 31.1



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: 69.84 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF099226.D

Acq: 8 Oct 2017 12:20

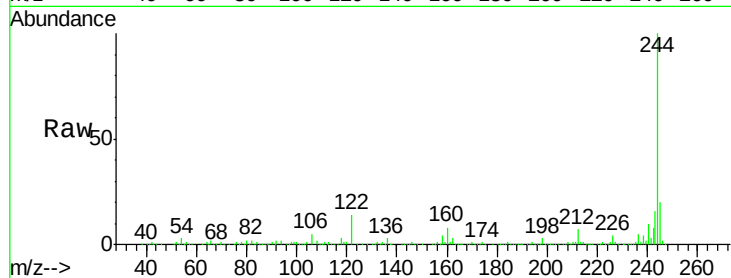
Instrument :

BNA_F

ClientSampled :

Tot Ion:244 Resp: 1151055

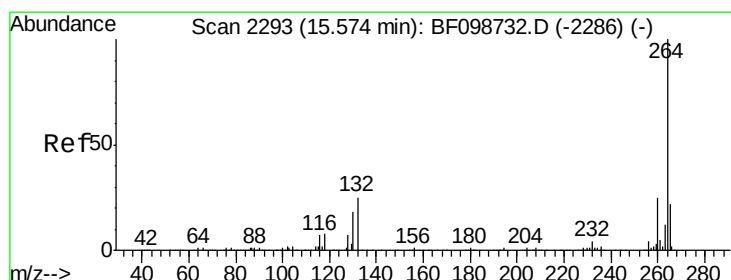
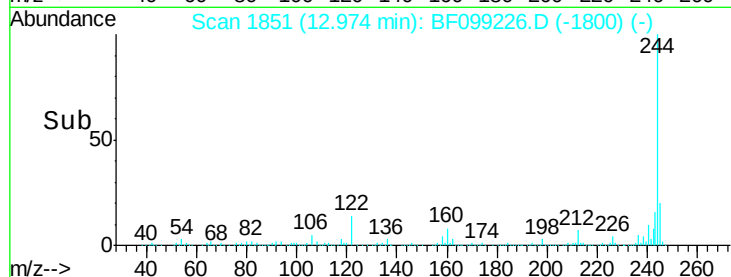
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	14.2	11.0	16.4



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: 20.00 ng

RT: 15.51 min Scan# 2282

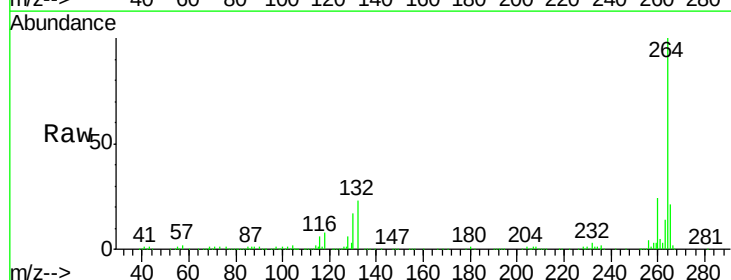
Delta R.T. 0.01 min

Lab File: BF099226.D

Acq: 8 Oct 2017 12:20

Tgt Ion:264 Resp: 293046

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	20.8	17.5	26.3



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

