

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101642.D
 Acq On : 22 Dec 2017 8:28
 Operator : SJ/JU
 Sample : I7008-09
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 10:23:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

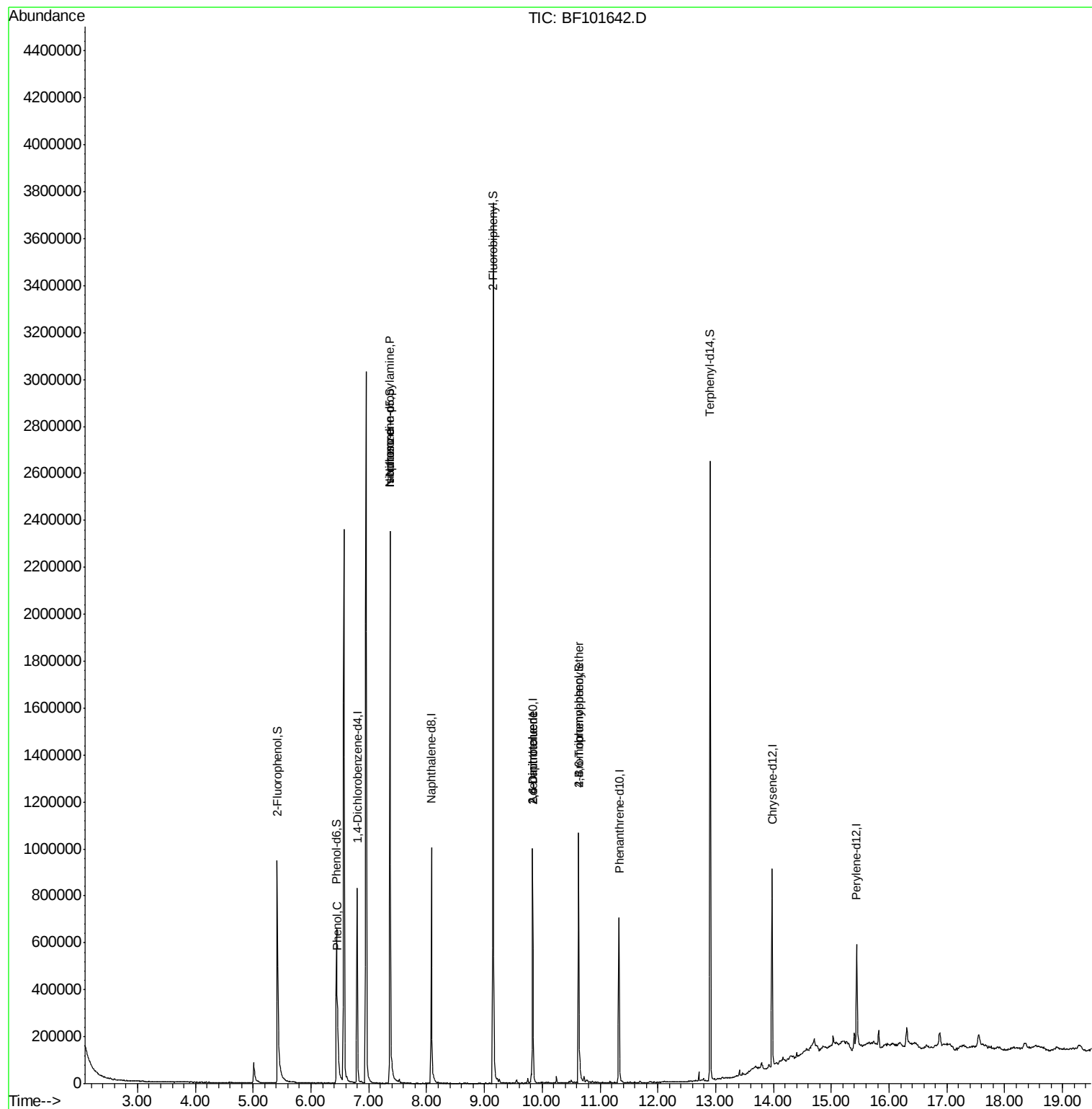
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	140540	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	531297	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	202348	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	305665	20.00	ng	0.00
75) Chrysene-d12	13.97	240	308061	20.00	ng	0.00
86) Perylene-d12	15.44	264	234814	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	420016	44.52	ng	0.00
7) Phenol-d6	6.44	99	332940	28.35	ng	0.00
23) Nitrobenzene-d5	7.37	82	835979	87.59	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	140106	71.86	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1313285	100.68	ng	0.00
78) Terphenyl-d14	12.90	244	944784	73.94	ng	0.00
Target Compounds						
10) Phenol	6.46	94	42391	3.167	ng	# 77
19) n-Nitroso-di-n-propylamine	7.37	70	112069	14.533	ng	# 81
25) Isophorone	7.37	82	835979	43.662	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	25622	7.745	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	25622	6.875	ng	# 23
66) 4-Bromophenyl-phenylether	10.63	248	9123	2.656	ng	# 1

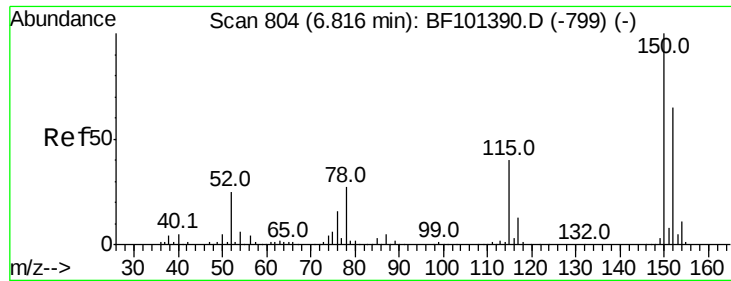
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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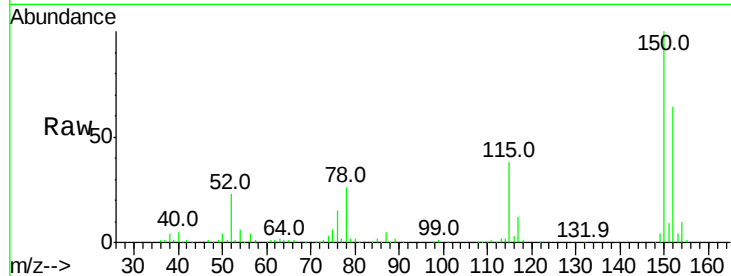


#1

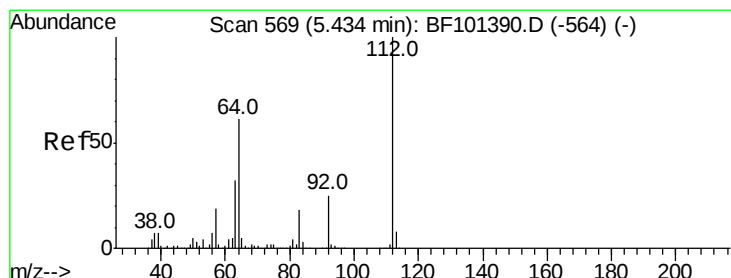
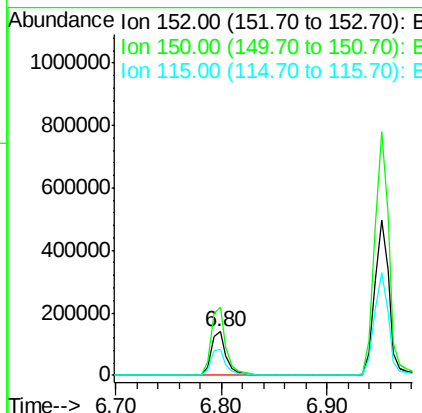
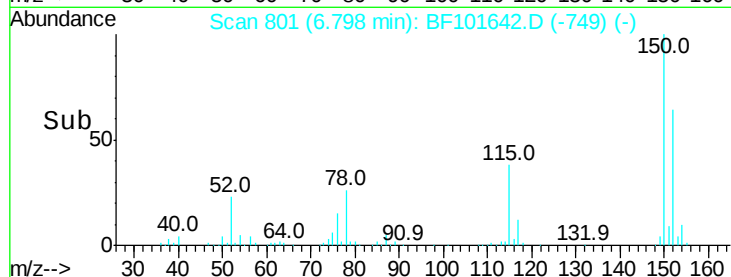
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101642.D
Acq: 22 Dec 2017 8:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 140540
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 58.4 50.1 75.1



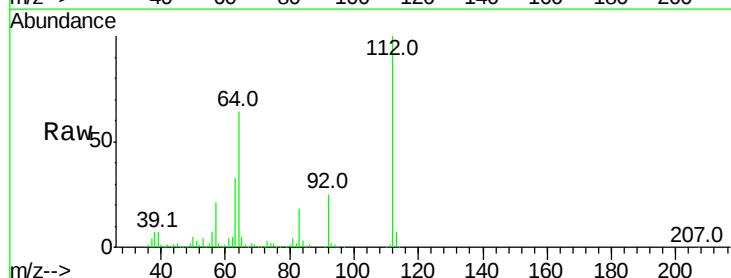
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



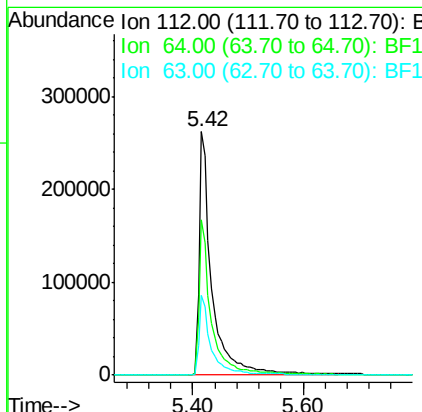
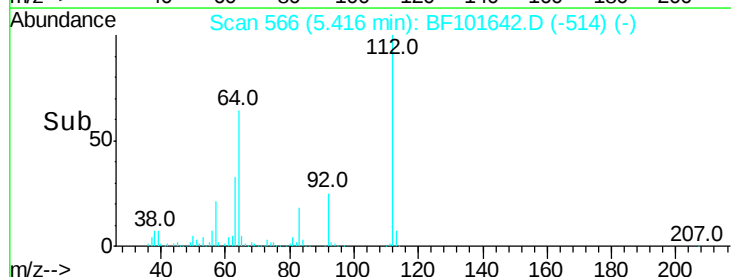
#5

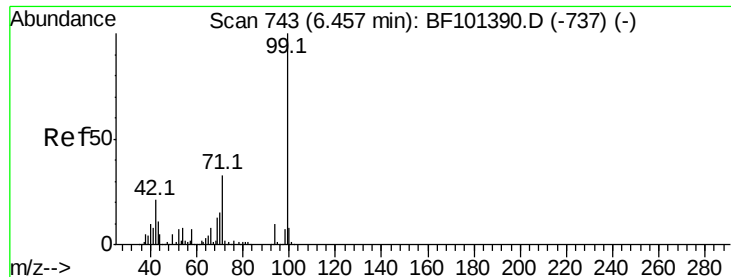
2-Fluorophenol
Concen: 44.517 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101642.D
Acq: 22 Dec 2017 8:28

Tgt Ion:112 Resp: 420016
Ion Ratio Lower Upper
112 100
64 63.8 47.9 71.9
63 32.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 28.354 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF101642.D

Acq: 22 Dec 2017 8:28

Instrument :

BNA_F

ClientSampleId :

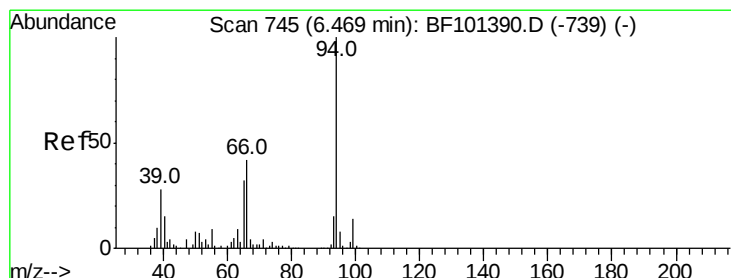
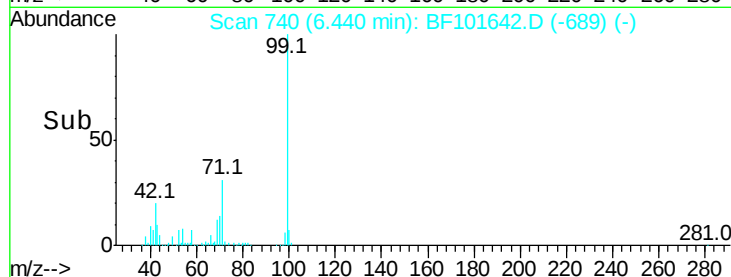
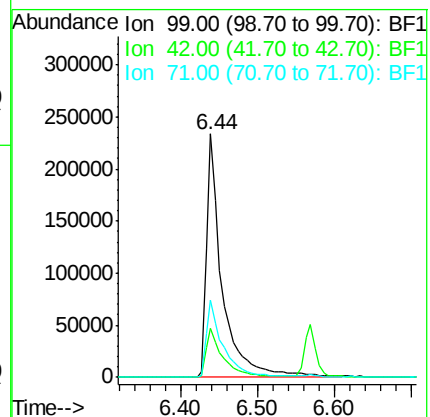
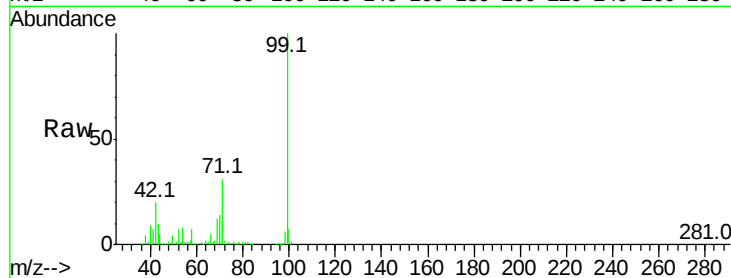
Tot Ion: 99 Resp: 332940

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 31.5 25.4 38.0



#10

Phenol

Concen: 3.167 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101642.D

Acq: 22 Dec 2017 8:28

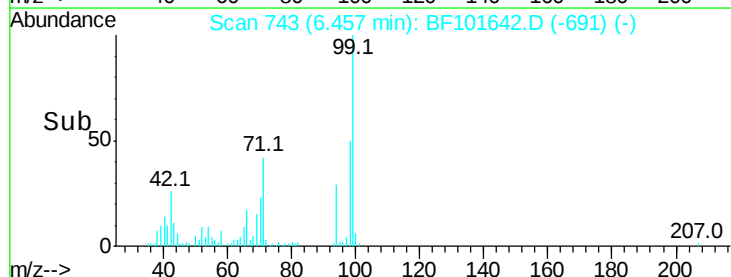
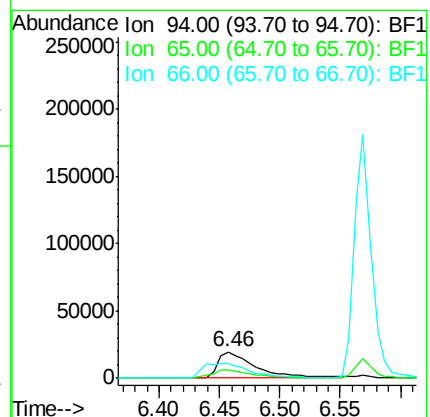
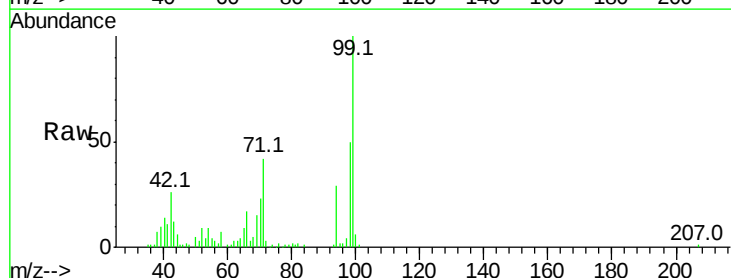
Tgt Ion: 94 Resp: 42391

Ion Ratio Lower Upper

94 100

65 32.4 7.9 47.9

66 56.8 16.2 56.2#





#19

n-Nitroso-di-n-propylamine

Concen: 14.533 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.16 min

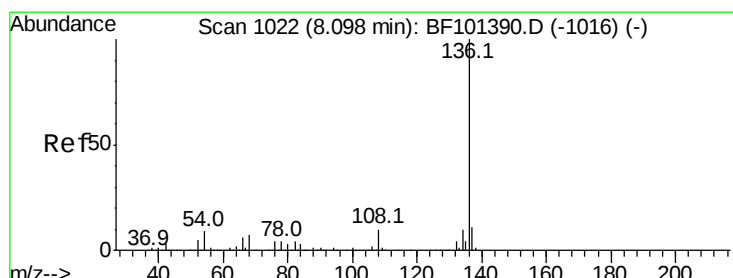
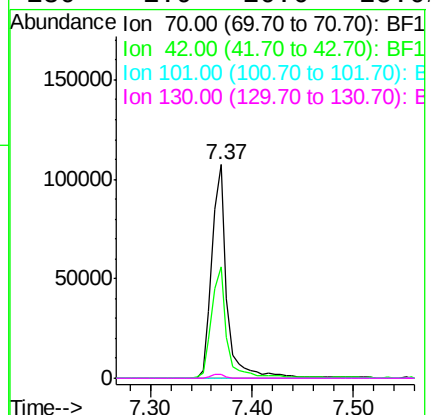
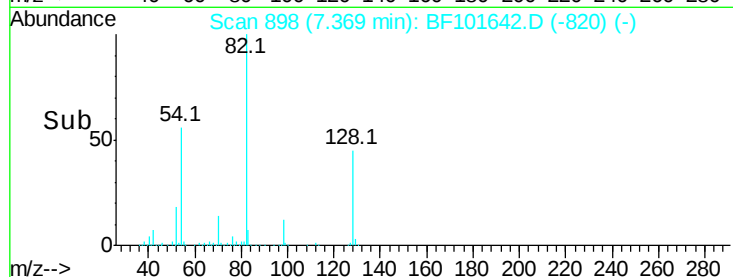
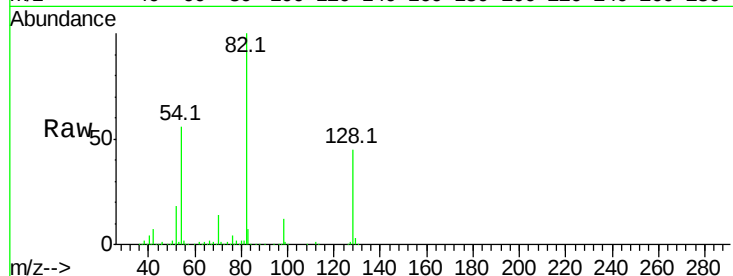
Lab File: BF101642.D

Acq: 22 Dec 2017 8:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 112069

Ion	Ratio	Lower	Upper
70	100		
42	51.9	47.5	71.3
101	0.0	7.4	11.2#
130	1.9	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

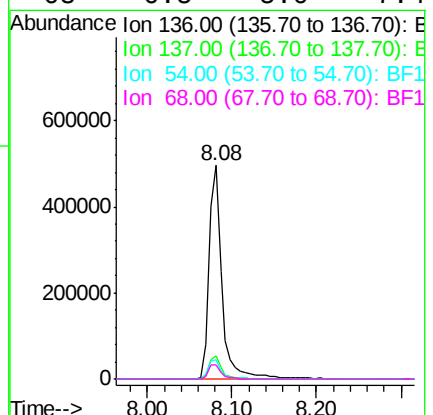
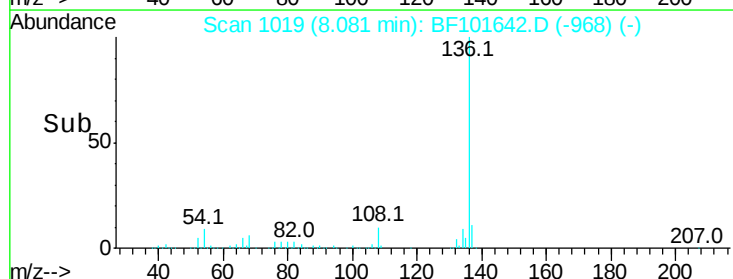
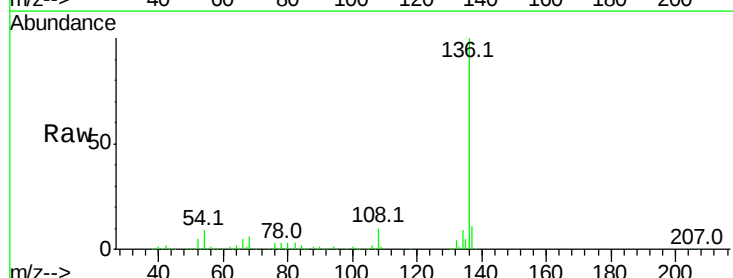
Delta R.T. 0.00 min

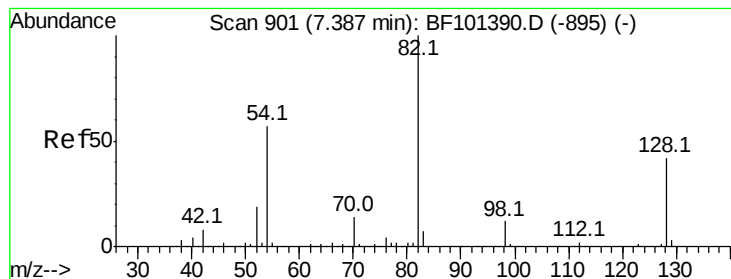
Lab File: BF101642.D

Acq: 22 Dec 2017 8:28

Tgt Ion: 136 Resp: 531297

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.9	6.6	9.8
68	6.5	5.0	7.4





#23

Nitrobenzene-d5

Concen: 87.588 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF101642.D

Acq: 22 Dec 2017 8:28

Instrument :
BNA_F
ClientSampled :

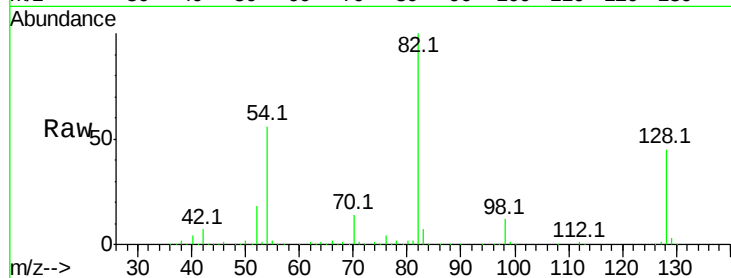
Tot Ion: 82 Resp: 835979

Ion Ratio Lower Upper

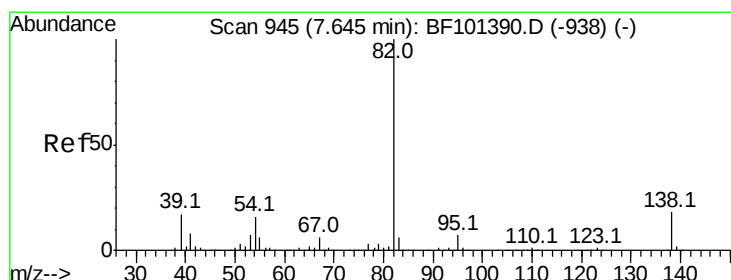
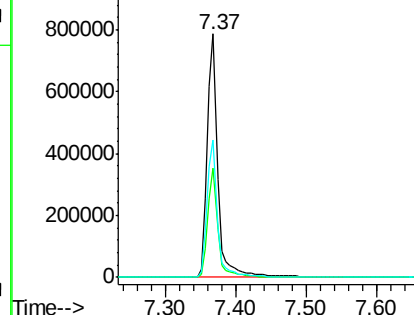
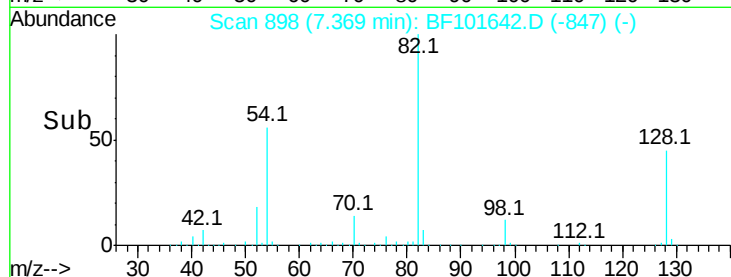
82 100

128 44.9 36.1 54.1

54 56.3 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 43.662 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.25 min

Lab File: BF101642.D

Acq: 22 Dec 2017 8:28

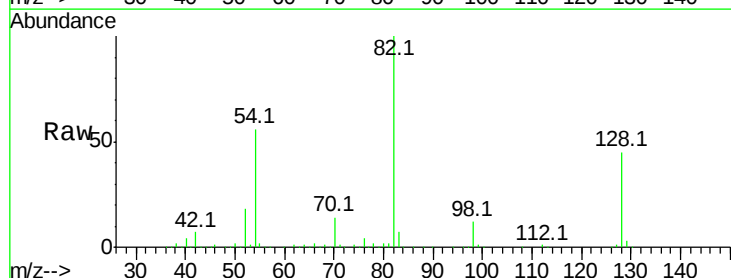
Tgt Ion: 82 Resp: 835979

Ion Ratio Lower Upper

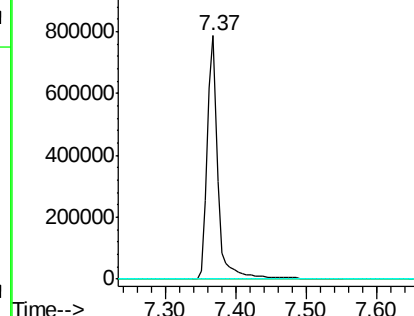
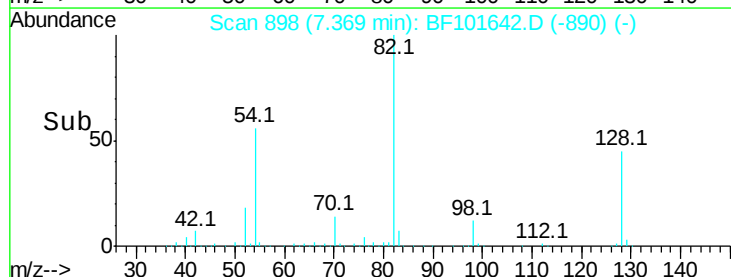
82 100

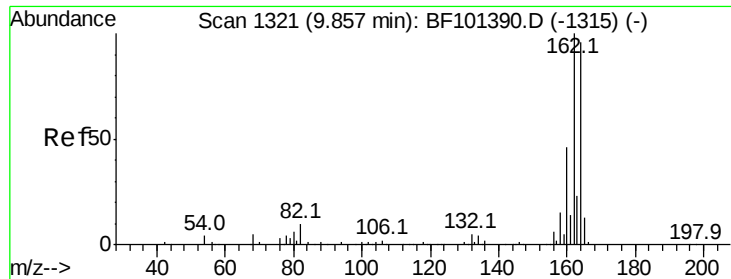
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

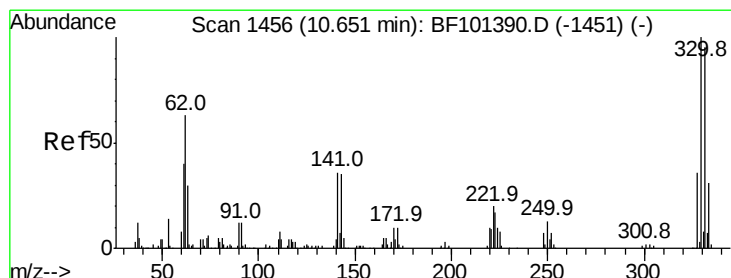
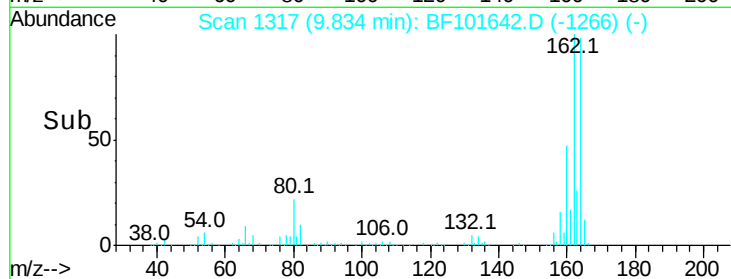
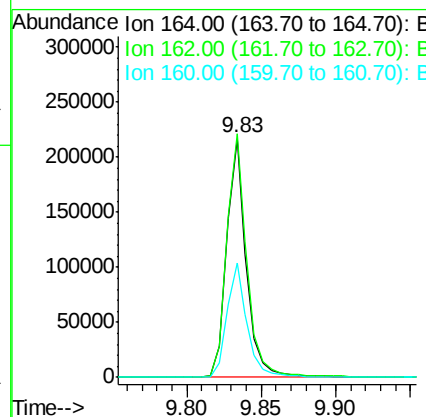
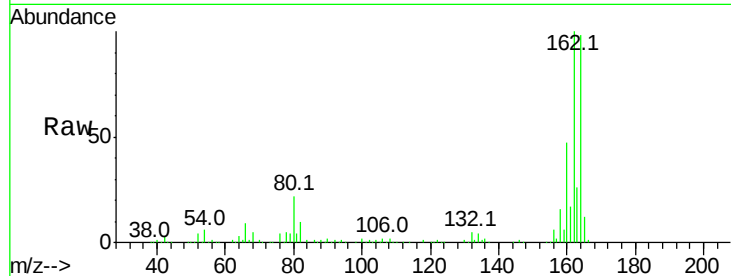




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BF101642.D
 Acq: 22 Dec 2017 8:28

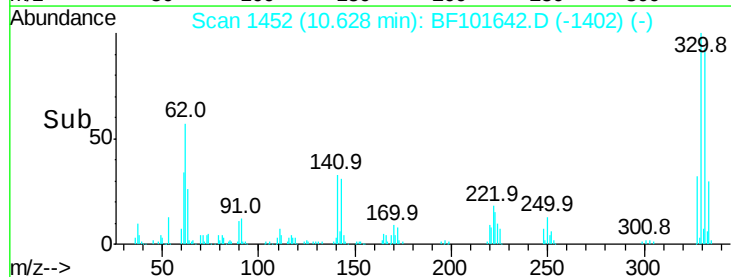
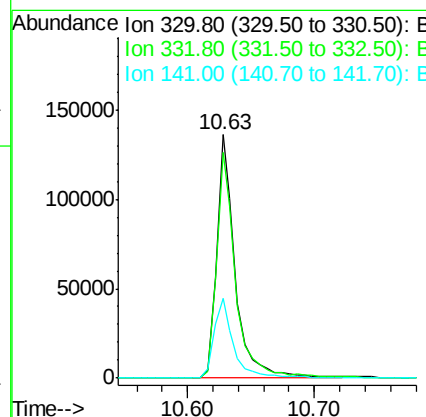
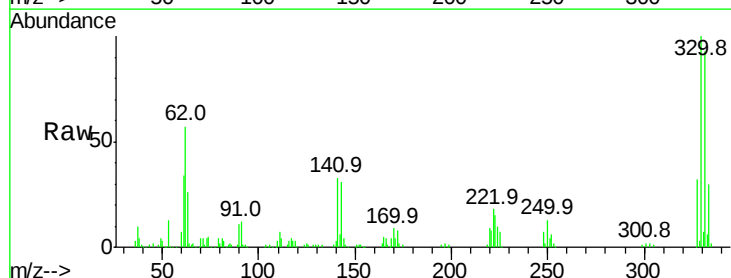
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 202348
 Ion Ratio Lower Upper
 164 100
 162 101.9 86.1 129.1
 160 48.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 71.857 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF101642.D
 Acq: 22 Dec 2017 8:28

Tgt Ion:330 Resp: 140106
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 34.5 29.9 44.9



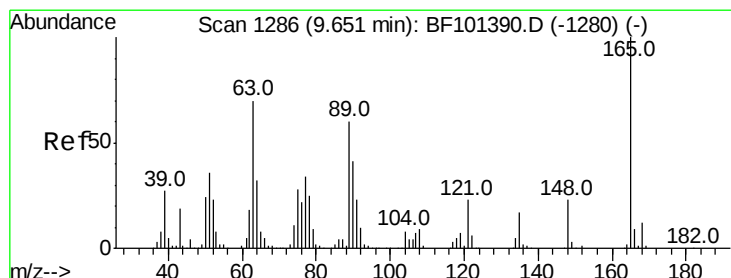
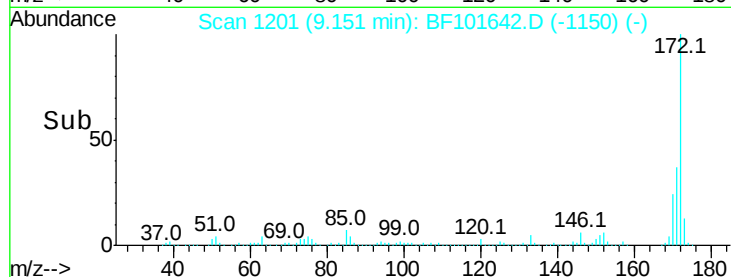
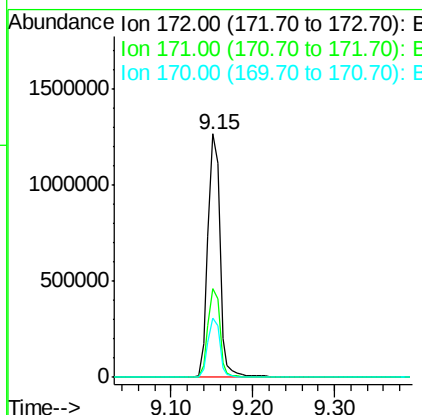
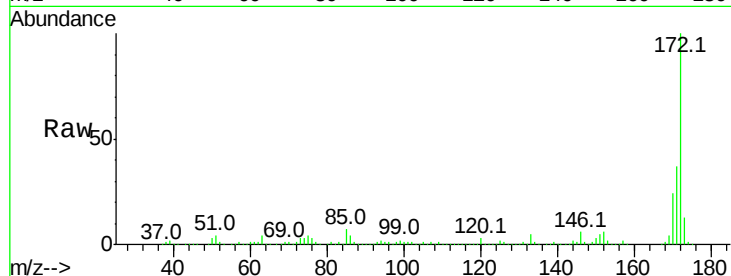


#44
 2-Fluorobiphenyl
 Concen: 100.679 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF101642.D
 Acq: 22 Dec 2017 8:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1313285

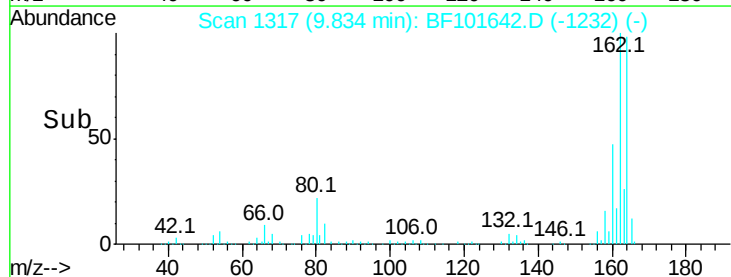
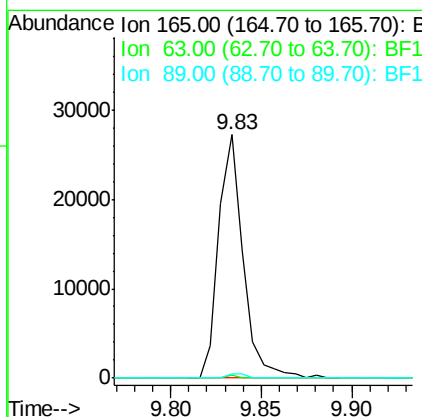
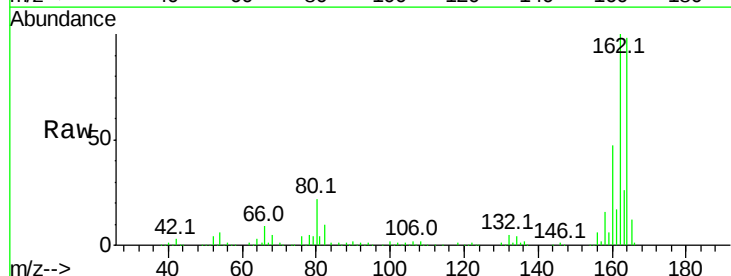
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.1	19.6	29.4

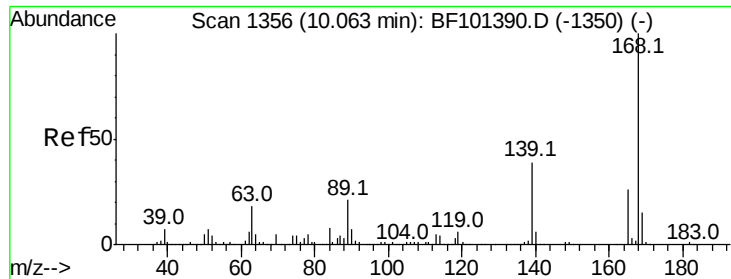


#50
 2,6-Dinitrotoluene
 Concen: 7.745 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.20 min
 Lab File: BF101642.D
 Acq: 22 Dec 2017 8:28

Tgt Ion:165 Resp: 25622

Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.5	44.0	66.0#

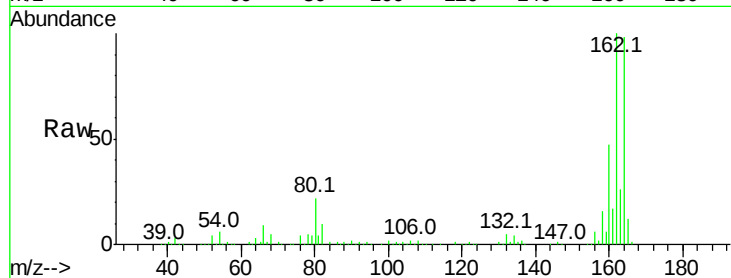




#56
 2,4-Dinitrotoluene
 Concen: 6.875 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF101642.D
 Acq: 22 Dec 2017 8:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

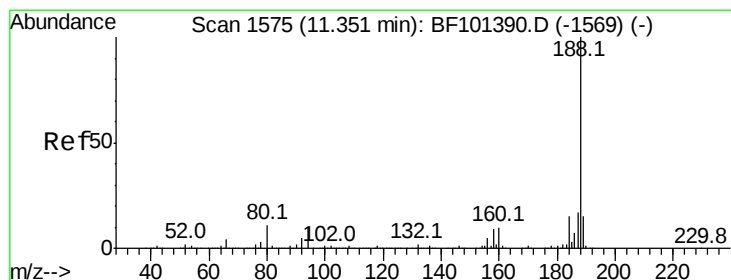
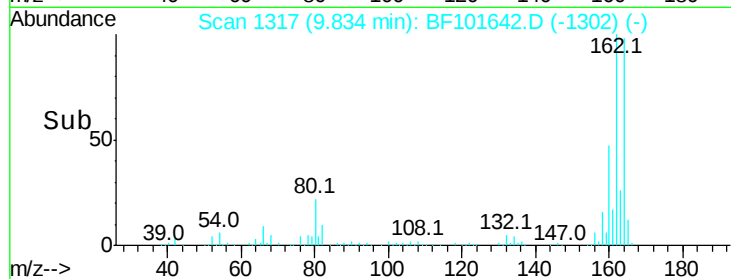
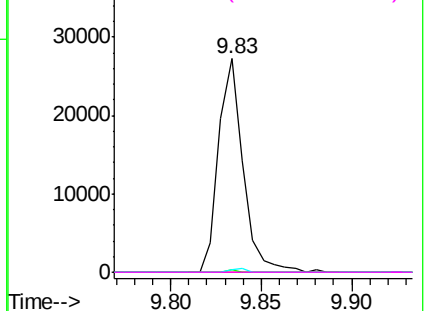


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

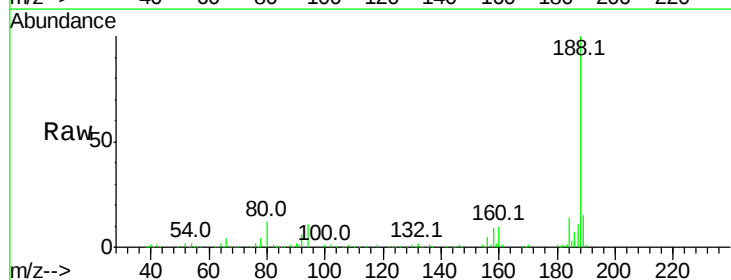
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF101642.D
 Acq: 22 Dec 2017 8:28

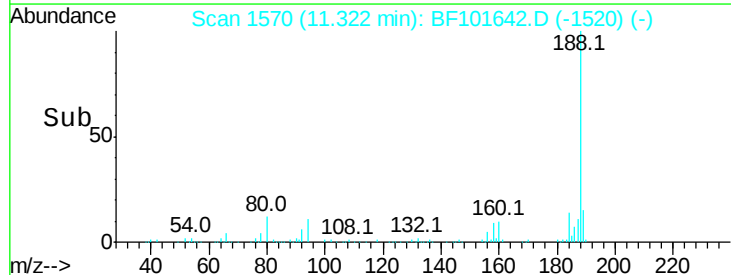
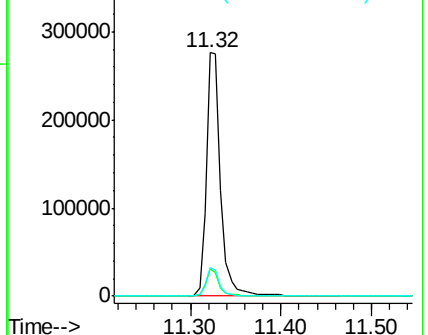
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	11.9	9.2	13.8

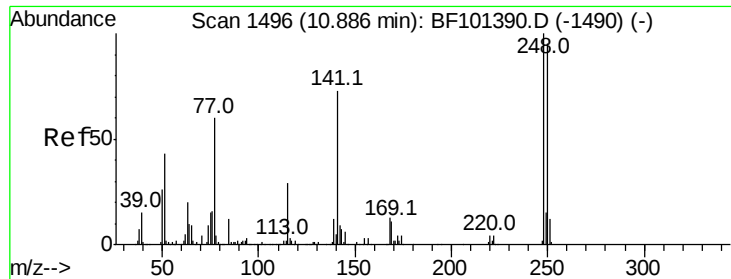


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

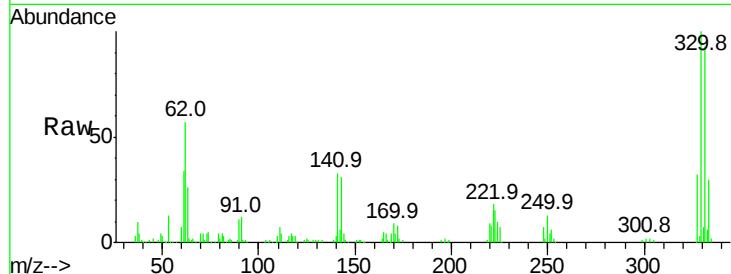




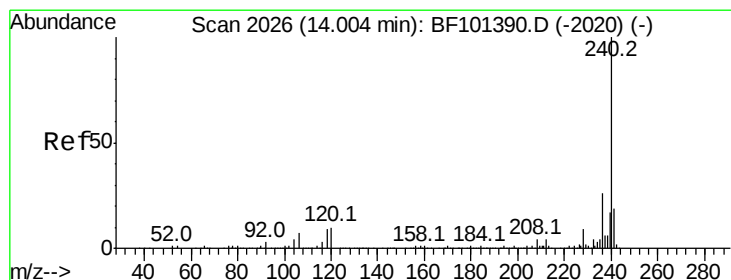
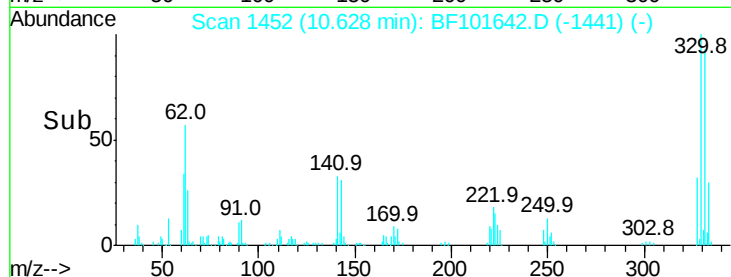
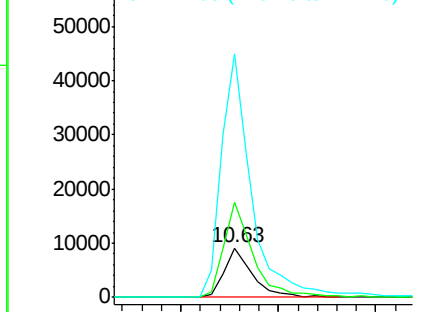
#66
 4-Bromophenyl-phenylether
 Concen: 2.656 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF101642.D
 Acq: 22 Dec 2017 8:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9123
 Ion Ratio Lower Upper
 248 100
 250 191.6 76.9 115.3#
 141 493.4 74.4 111.6#

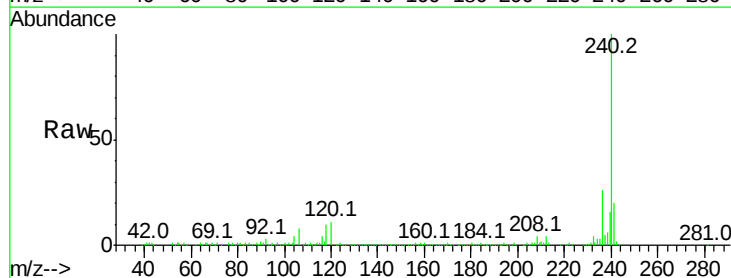


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

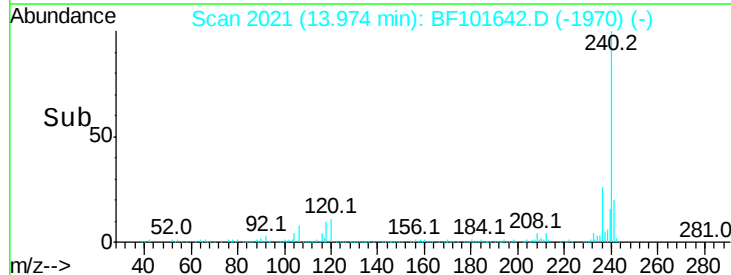
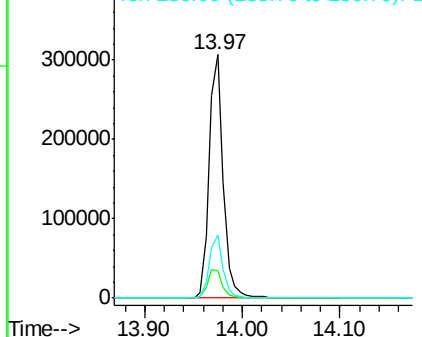


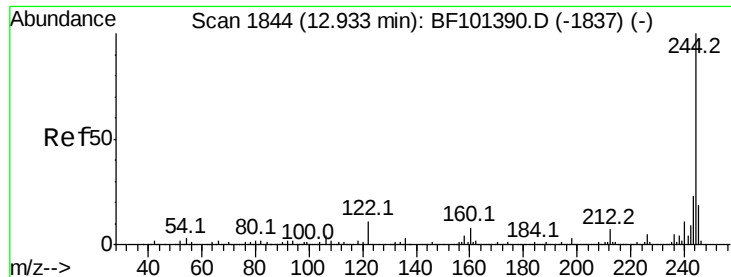
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF101642.D
 Acq: 22 Dec 2017 8:28

Tgt Ion:240 Resp: 308061
 Ion Ratio Lower Upper
 240 100
 120 11.2 9.5 14.3
 236 26.2 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: 73.935 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101642.D

Acq: 22 Dec 2017 8:28

Instrument :

BNA_F

ClientSampleId :

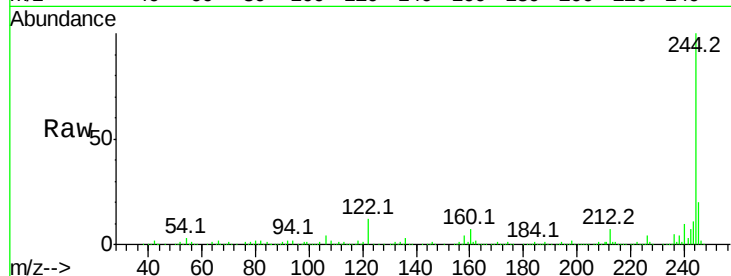
Tot Ion:244 Resp: 944784

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

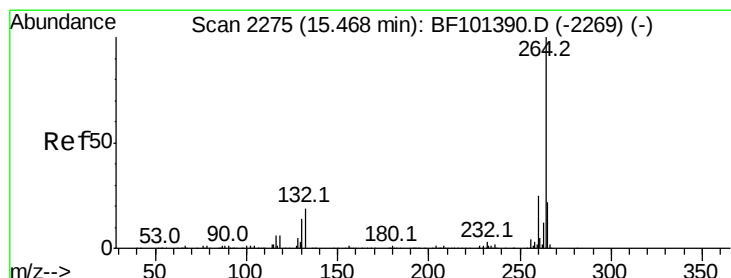
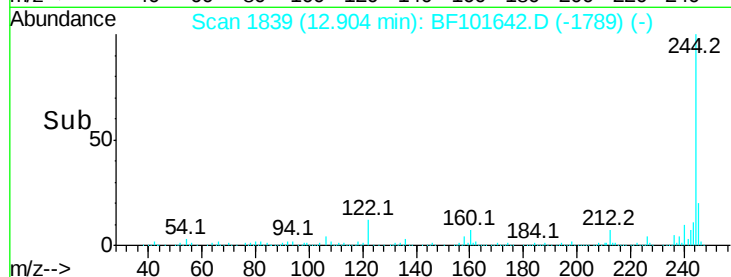
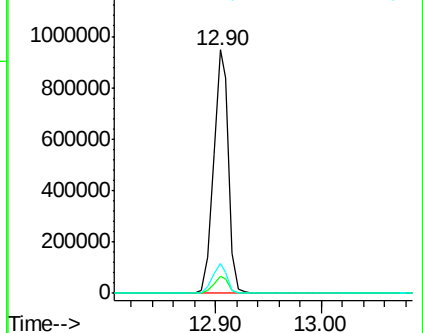
122 12.4 11.0 16.4



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: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF101642.D

Acq: 22 Dec 2017 8:28

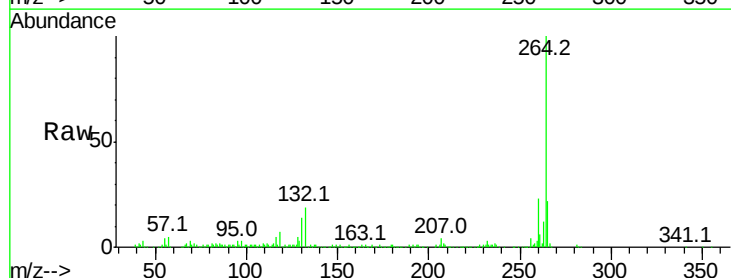
Tgt Ion:264 Resp: 234814

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.6 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

