

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104374.D
 Acq On : 9 Apr 2018 16:10
 Operator : JU/SJ
 Sample : J2104-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:16:43 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	166417	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	673292	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	309455	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	526527	20.00	ng	0.00
75) Chrysene-d12	13.97	240	325787	20.00	ng	0.00
86) Perylene-d12	15.43	264	348860	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1074123	98.69	ng	0.01
7) Phenol-d6	6.43	99	1292661	96.67	ng	0.00
23) Nitrobenzene-d5	7.37	82	792541	76.86	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	291605	90.84	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1179877	60.23	ng	0.00
78) Terphenyl-d14	12.92	244	956935	66.97	ng	0.00

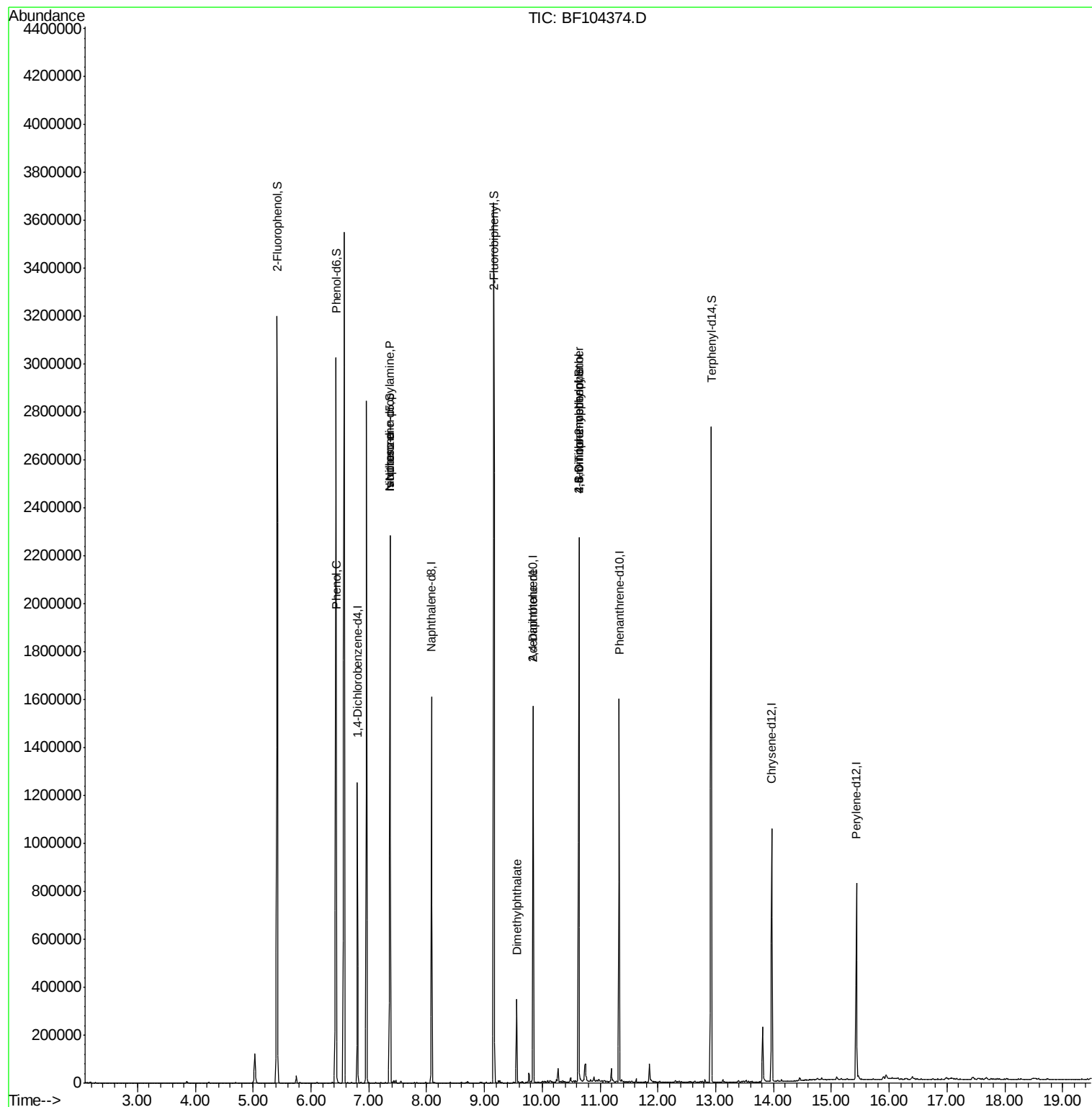
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	2202	Below Cal		# 1
10) Phenol	6.45	94	30546	2.153	ng	93
19) n-Nitroso-di-n-propylamine	7.37	70	104229	11.928	ng	# 73
25) Isophorone	7.37	82	792195	36.332	ng	# 64
49) Dimethylphthalate	9.56	163	128960	5.285	ng	99
56) 2,4-Dinitrotoluene	9.84	165	39609	6.687	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	503	7.513	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	17507	3.126	ng	# 1
76) Benzidine	12.92	184	12453	Below Cal		97

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

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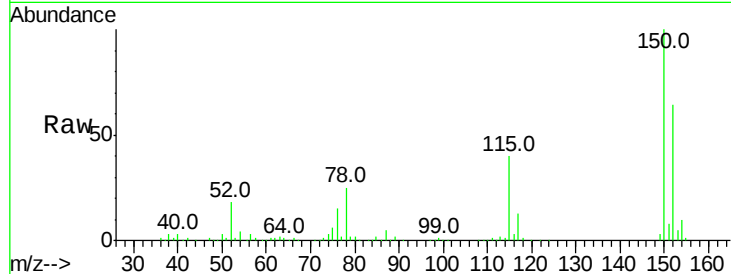


#1

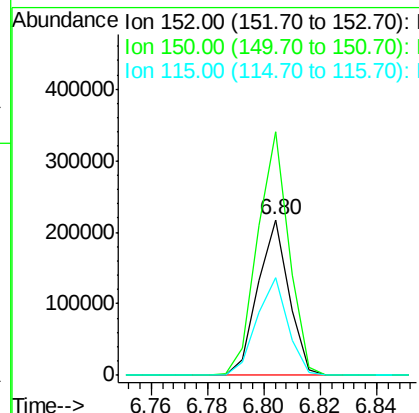
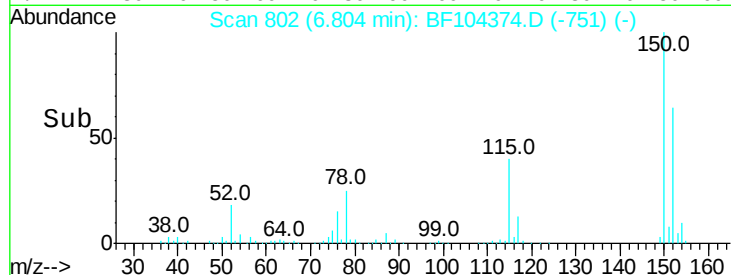
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF104374.D
 Acq: 9 Apr 2018 16:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 166417
 Ion Ratio Lower Upper
 152 100
 150 156.5 124.6 186.8
 115 62.9 50.1 75.1



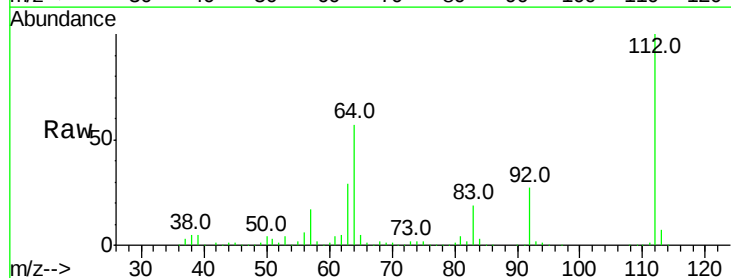
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



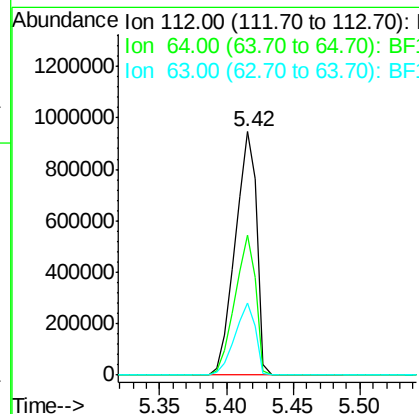
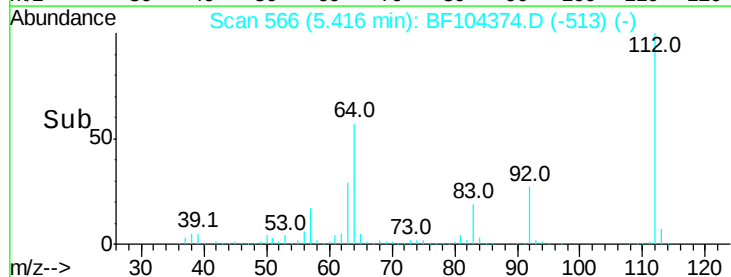
#5

2-Fluorophenol
 Concen: 98.691 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF104374.D
 Acq: 9 Apr 2018 16:10

Tgt Ion:112 Resp: 1074123
 Ion Ratio Lower Upper
 112 100
 64 57.3 47.9 71.9
 63 29.4 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: 96.666 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF104374.D

Acq: 9 Apr 2018 16:10

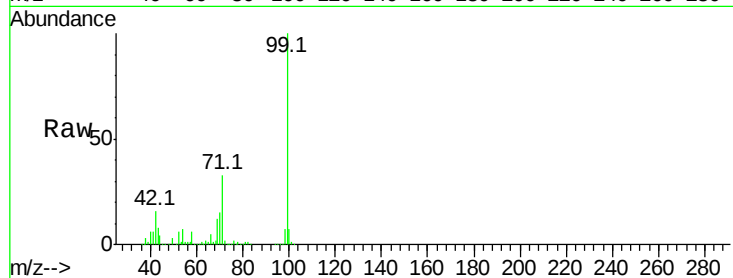
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1292661

Ion	Ratio	Lower	Upper
99	100		
42	16.4	14.5	21.7
71	33.5	25.4	38.0

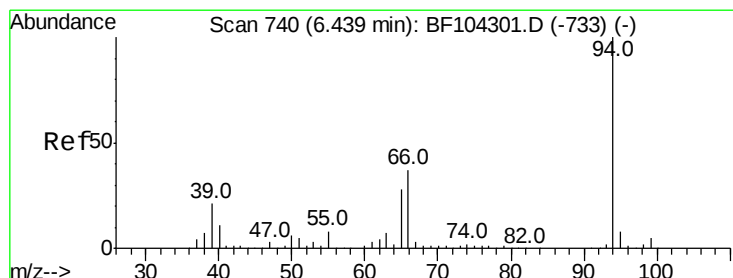
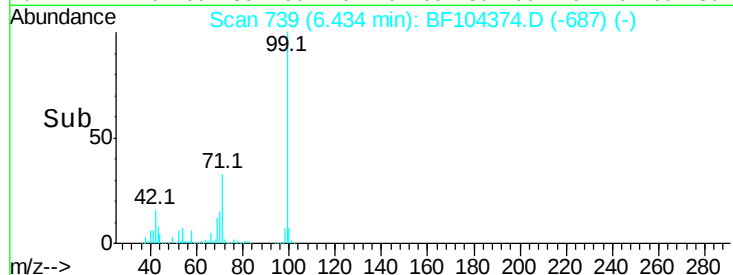
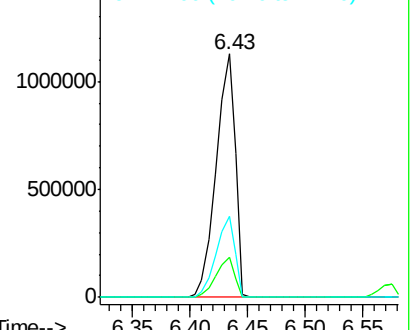


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.153 ng

RT: 6.45 min Scan# 741

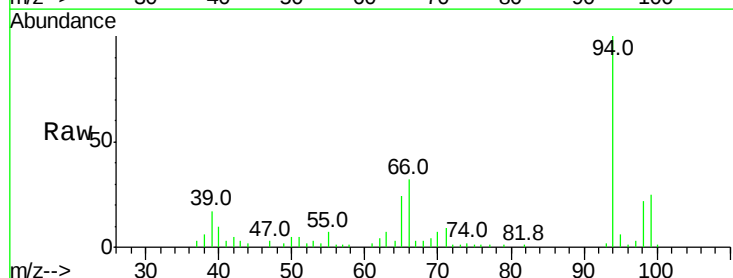
Delta R.T. 0.01 min

Lab File: BF104374.D

Acq: 9 Apr 2018 16:10

Tgt Ion: 94 Resp: 30546

Ion	Ratio	Lower	Upper
94	100		
65	24.3	7.9	47.9
66	32.4	16.2	56.2

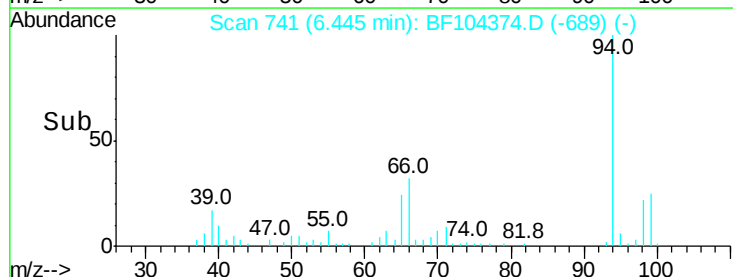
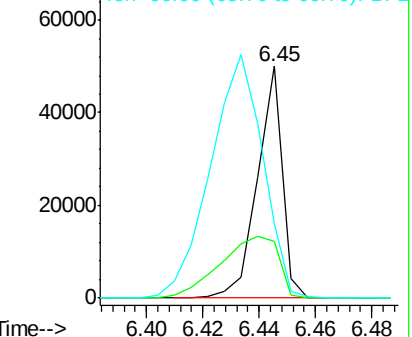


Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

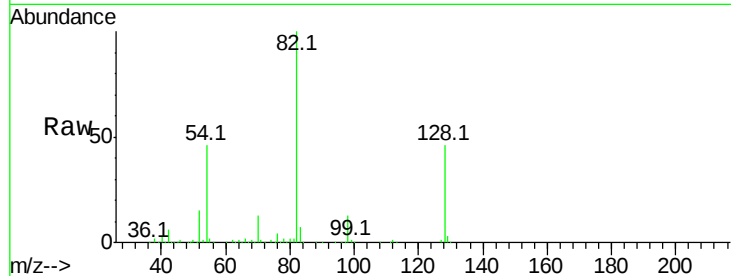




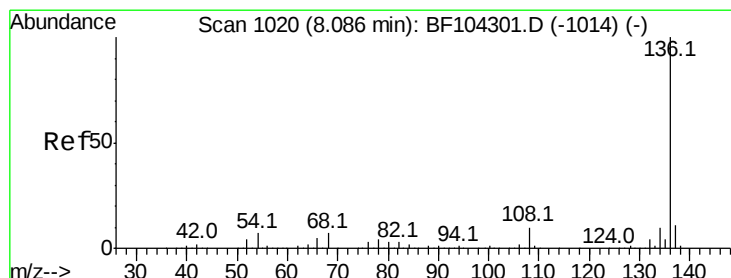
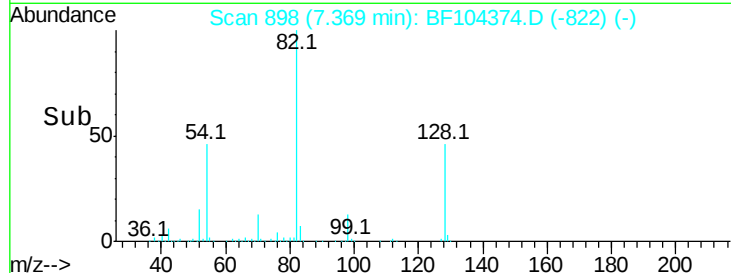
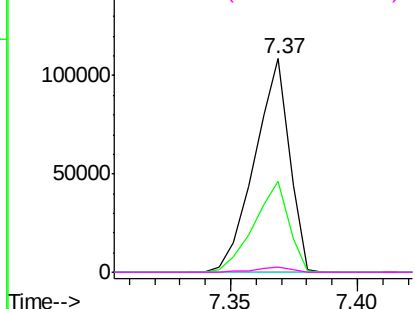
#19
n-Nitroso-di-n-propylamine
Concen: 11.928 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.15 min
Lab File: BF104374.D
Acq: 9 Apr 2018 16:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 104229
Ion Ratio Lower Upper
70 100
42 42.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#

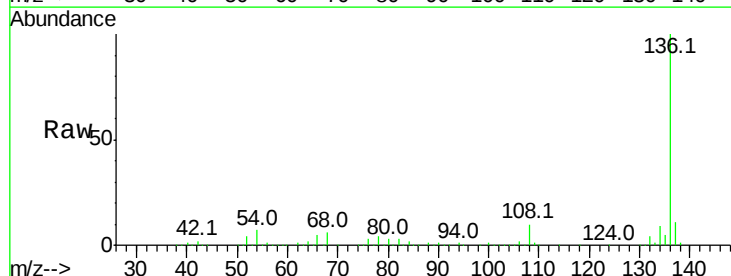


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

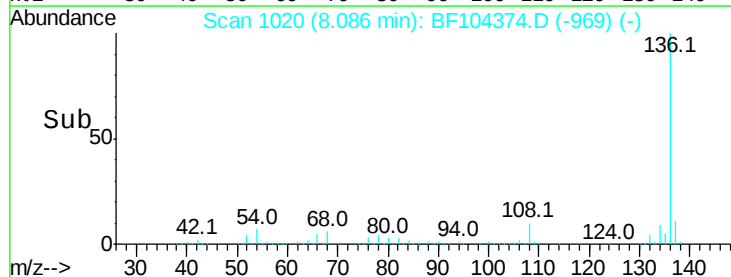
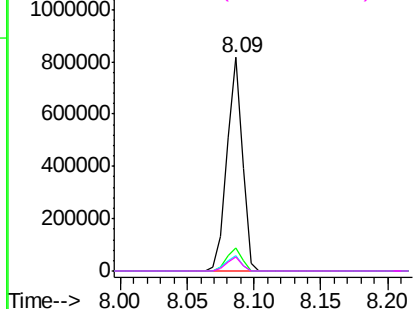


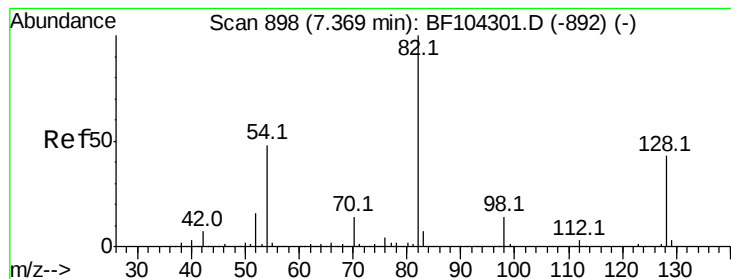
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104374.D
Acq: 9 Apr 2018 16:10

Tgt Ion:136 Resp: 673292
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.3 6.6 9.8
68 6.5 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): BF1
Ion 137.00 (136.70 to 137.70): BF1
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 76.863 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.00 min

Lab File: BF104374.D

Acq: 9 Apr 2018 16:10

Instrument :

BNA_F

ClientSampled :

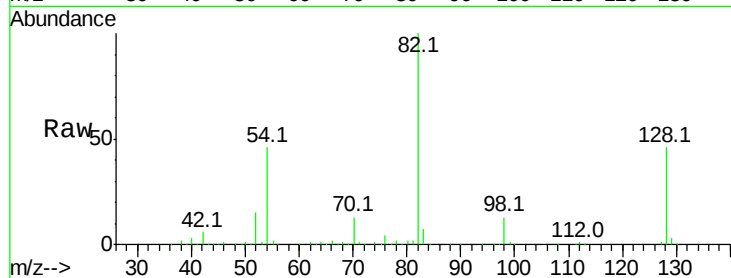
Tot Ion: 82 Resp: 792541

Ion Ratio Lower Upper

82 100

128 45.6 36.1 54.1

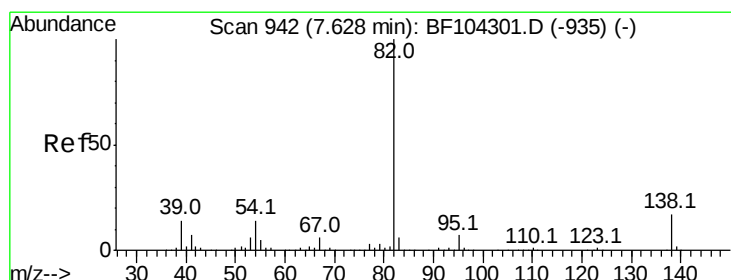
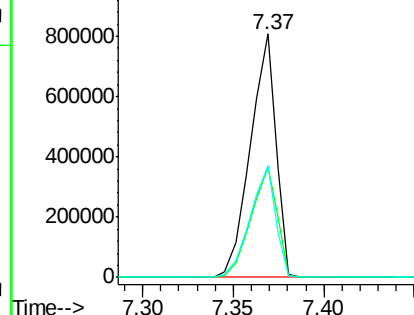
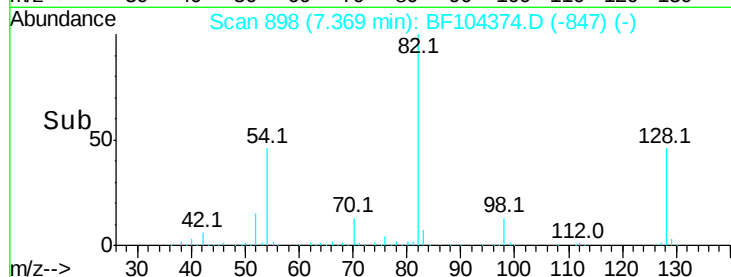
54 45.8 41.4 62.2



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: 36.332 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104374.D

Acq: 9 Apr 2018 16:10

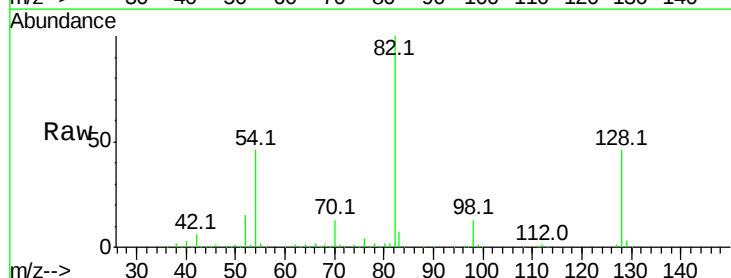
Tgt Ion: 82 Resp: 792195

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

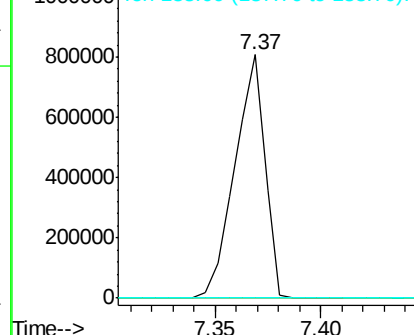
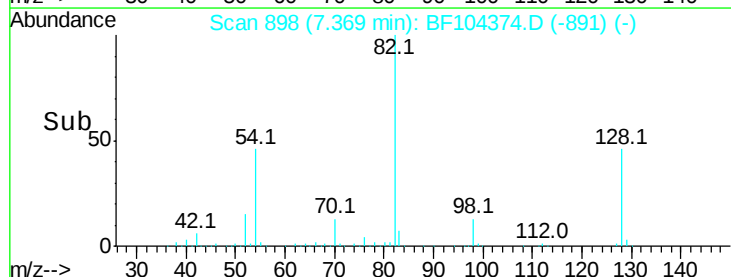
138 0.0 14.9 22.3#

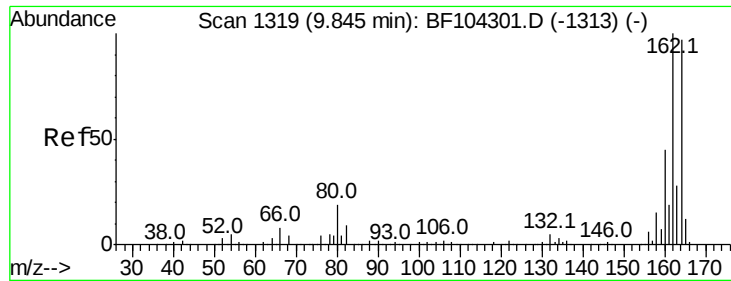


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

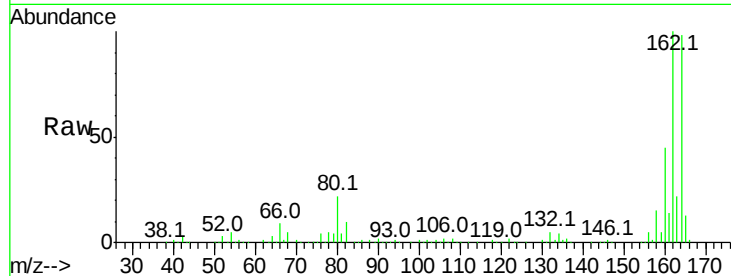




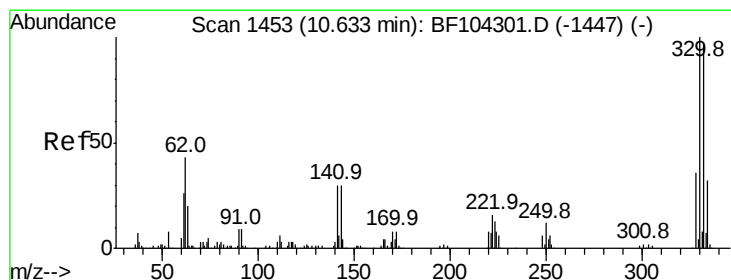
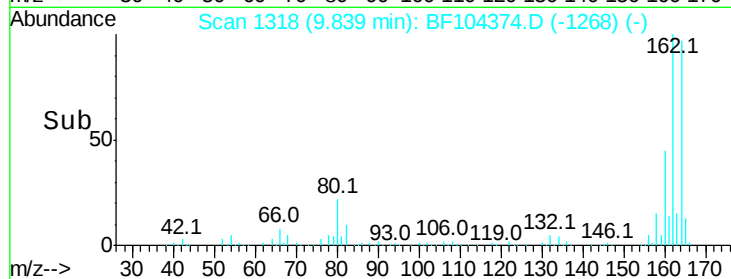
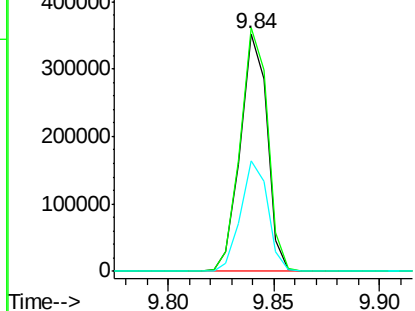
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104374.D
 Acq: 9 Apr 2018 16:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	46.4	38.3	57.5

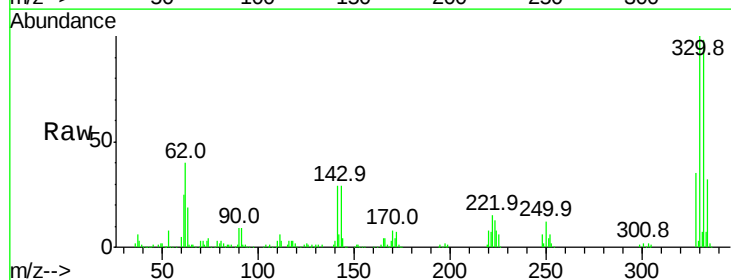


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

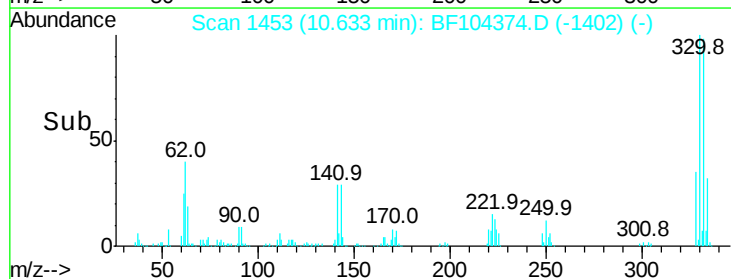
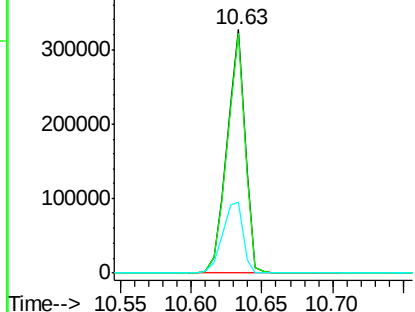


#41
 2,4,6-Tribromophenol
 Concen: 90.841 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF104374.D
 Acq: 9 Apr 2018 16:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	33.1	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



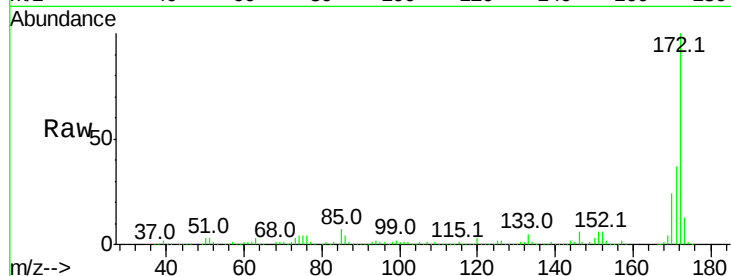


#44
2-Fluorobiphenyl
Concen: 60.232 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104374.D
Acq: 9 Apr 2018 16:10

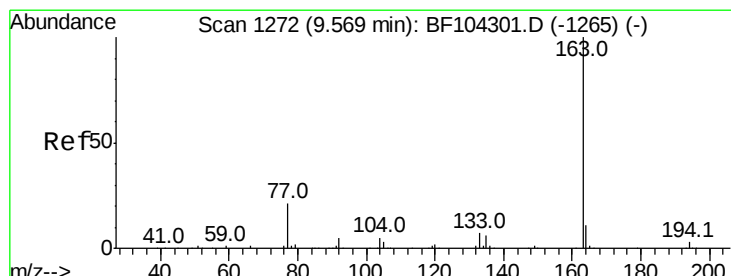
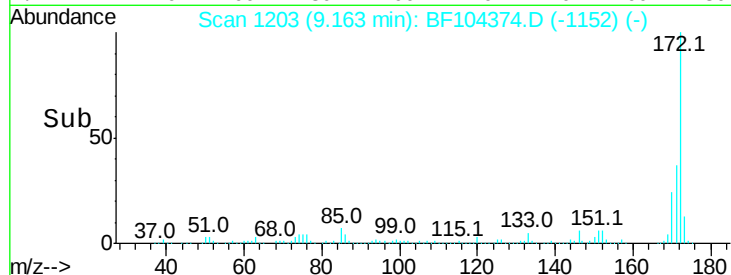
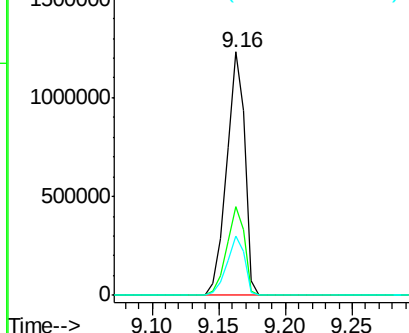
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1179877

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.3	19.6	29.4



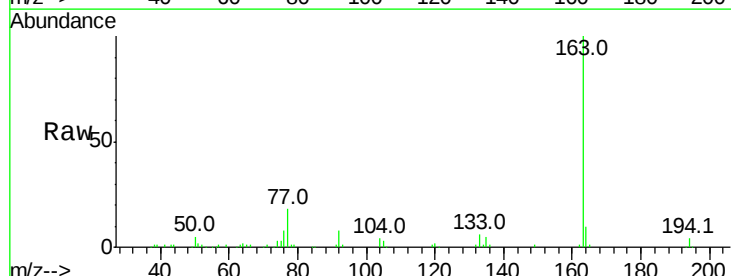
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



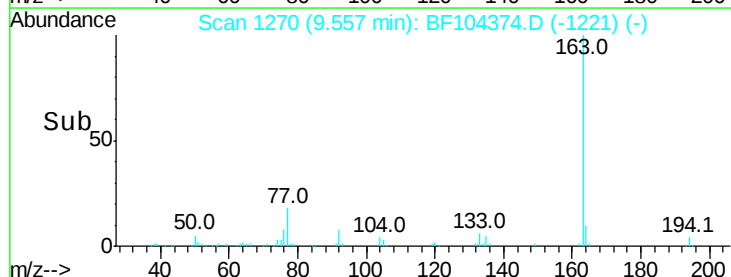
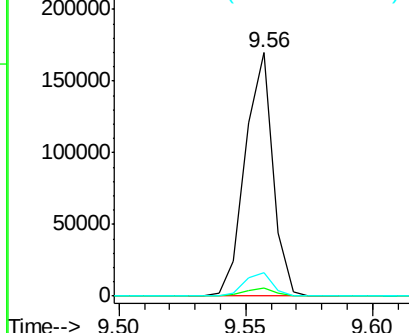
#49
Dimethylphthalate
Concen: 5.285 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104374.D
Acq: 9 Apr 2018 16:10

Tgt Ion:163 Resp: 128960

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.5	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

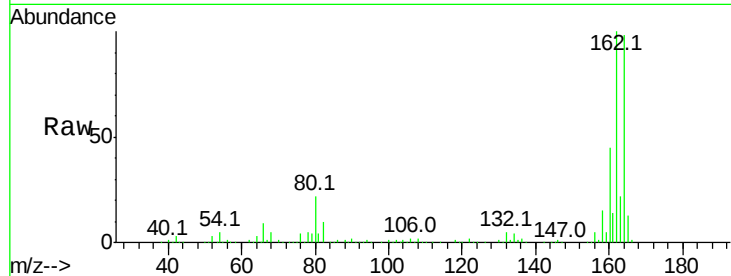




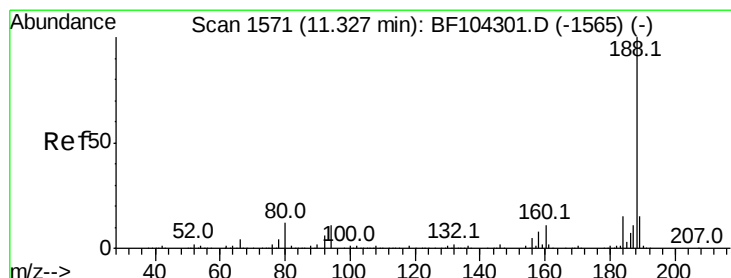
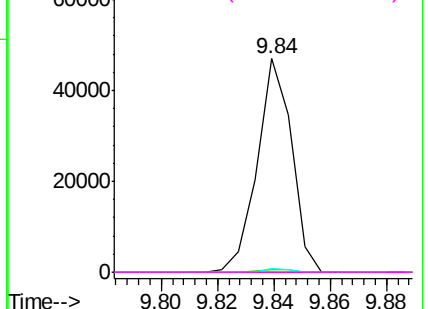
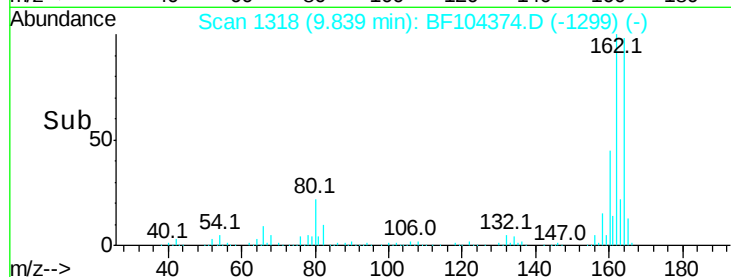
#56
2,4-Dinitrotoluene
Concen: 6.687 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.19 min
Lab File: BF104374.D
Acq: 9 Apr 2018 16:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 39609
Ion Ratio Lower Upper
165 100
63 1.0 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#

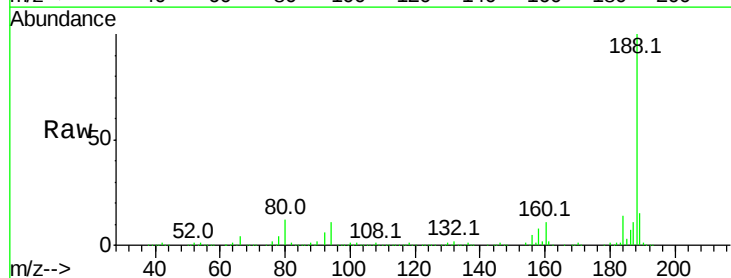


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

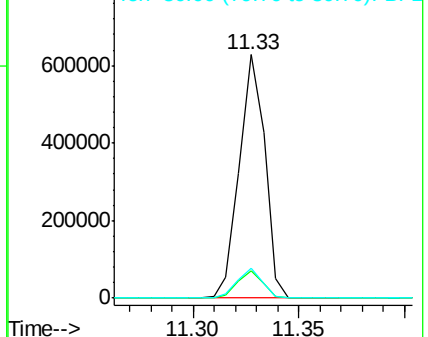
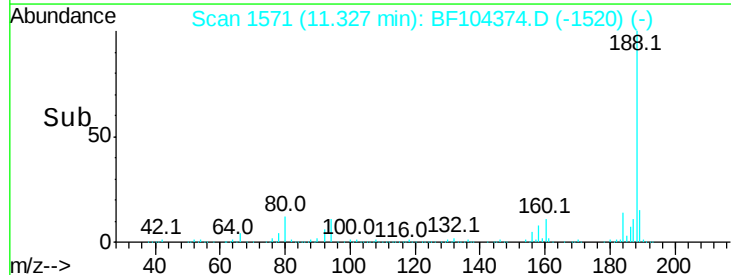


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF104374.D
Acq: 9 Apr 2018 16:10

Tgt Ion:188 Resp: 526527
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 12.1 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





#64

4,6-Dinitro-2-methylphenol

Concen: 7.513 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.19 min

Lab File: BF104374.D

Acq: 9 Apr 2018 16:10

Instrument :

BNA_F

ClientSampleId :

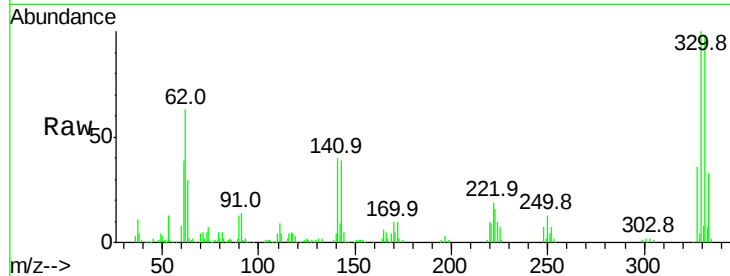
Tot Ion:198 Resp: 503

Ion Ratio Lower Upper

198 100

51 159.2 37.7 77.7#

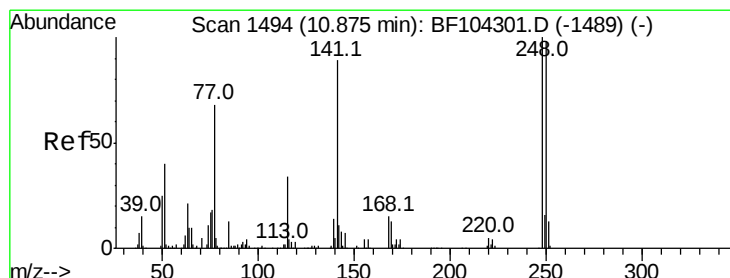
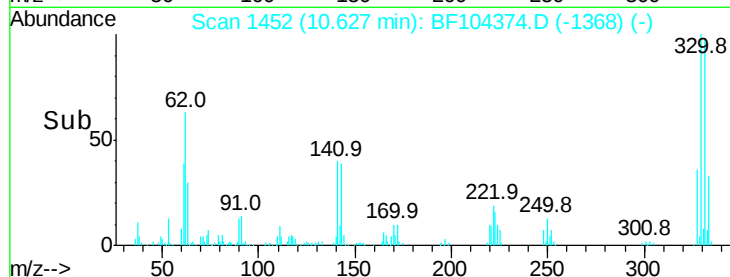
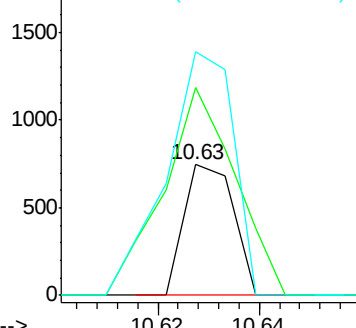
105 186.6 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.126 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.24 min

Lab File: BF104374.D

Acq: 9 Apr 2018 16:10

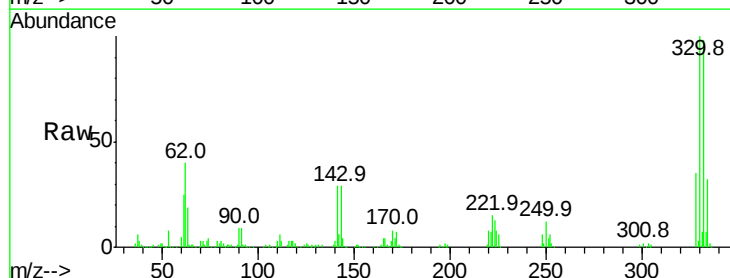
Tgt Ion:248 Resp: 17507

Ion Ratio Lower Upper

248 100

250 202.6 76.9 115.3#

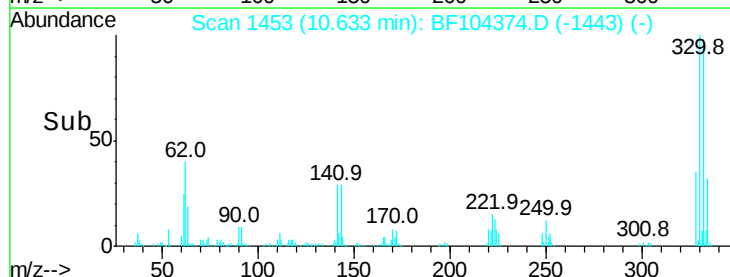
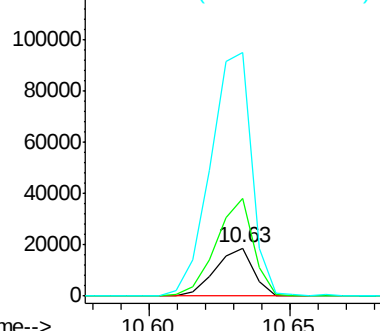
141 507.9 74.4 111.6#

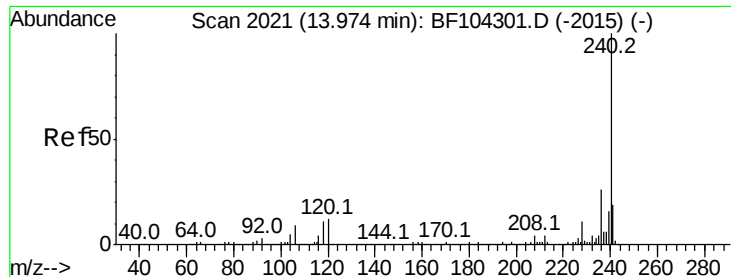


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2020

Delta R.T. -0.01 min

Lab File: BF104374.D

Acq: 9 Apr 2018 16:10

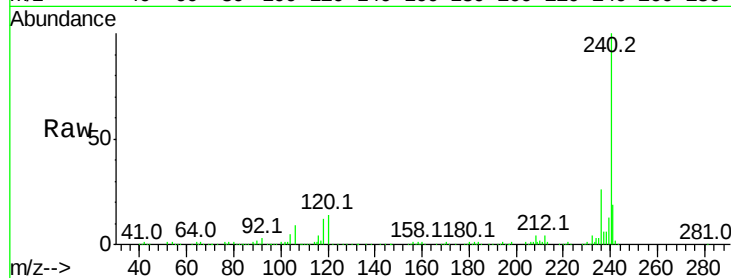
Instrument :

BNA_F

ClientSampled :

Tot Ion:240 Resp: 325787

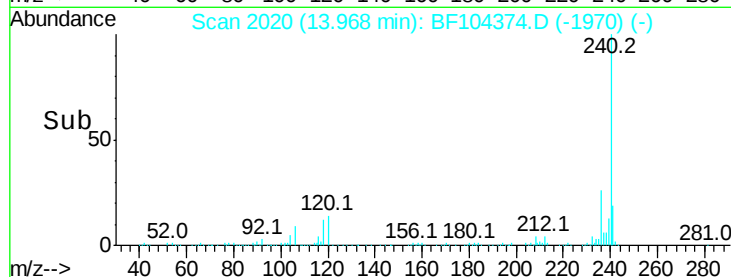
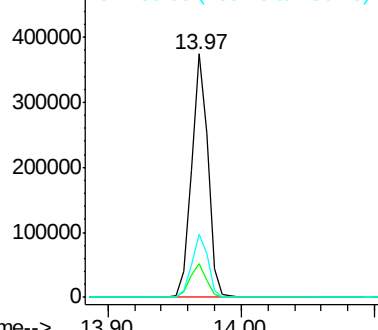
Ion	Ratio	Lower	Upper
240	100		
120	13.8	9.5	14.3
236	26.0	20.7	31.1



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: 66.965 ng

RT: 12.92 min Scan# 1842

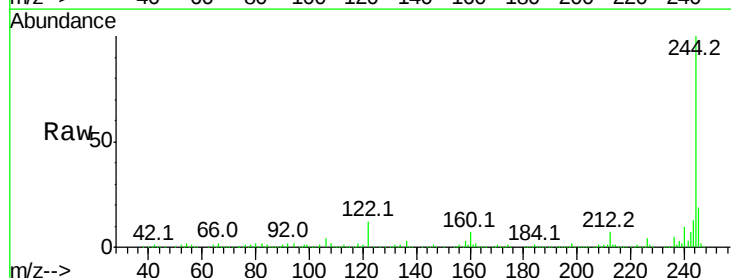
Delta R.T. -0.00 min

Lab File: BF104374.D

Acq: 9 Apr 2018 16:10

Tgt Ion:244 Resp: 956935

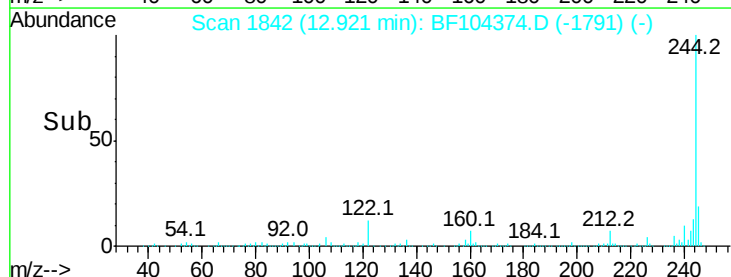
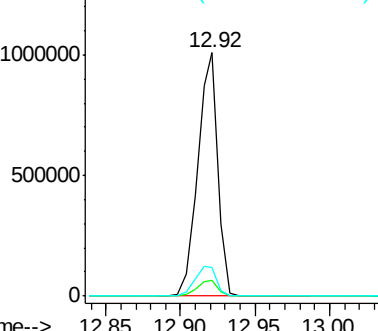
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.8	11.0	16.4

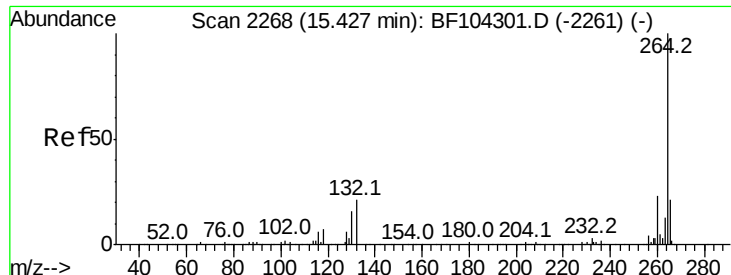


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

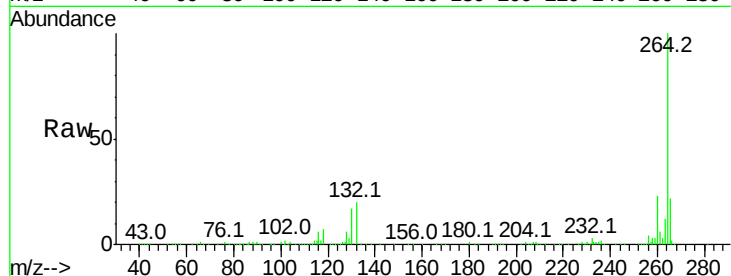




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF104374.D
 Acq: 9 Apr 2018 16:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	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

