

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104482.D
 Acq On : 13 Apr 2018 16:54
 Operator : JU/SJ
 Sample : J2360-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 17:41:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	134322	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	541082	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	245025	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	402543	20.00	ng	0.00
75) Chrysene-d12	13.99	240	265250	20.00	ng	0.00
86) Perylene-d12	15.46	264	230672	20.00	ng	0.00

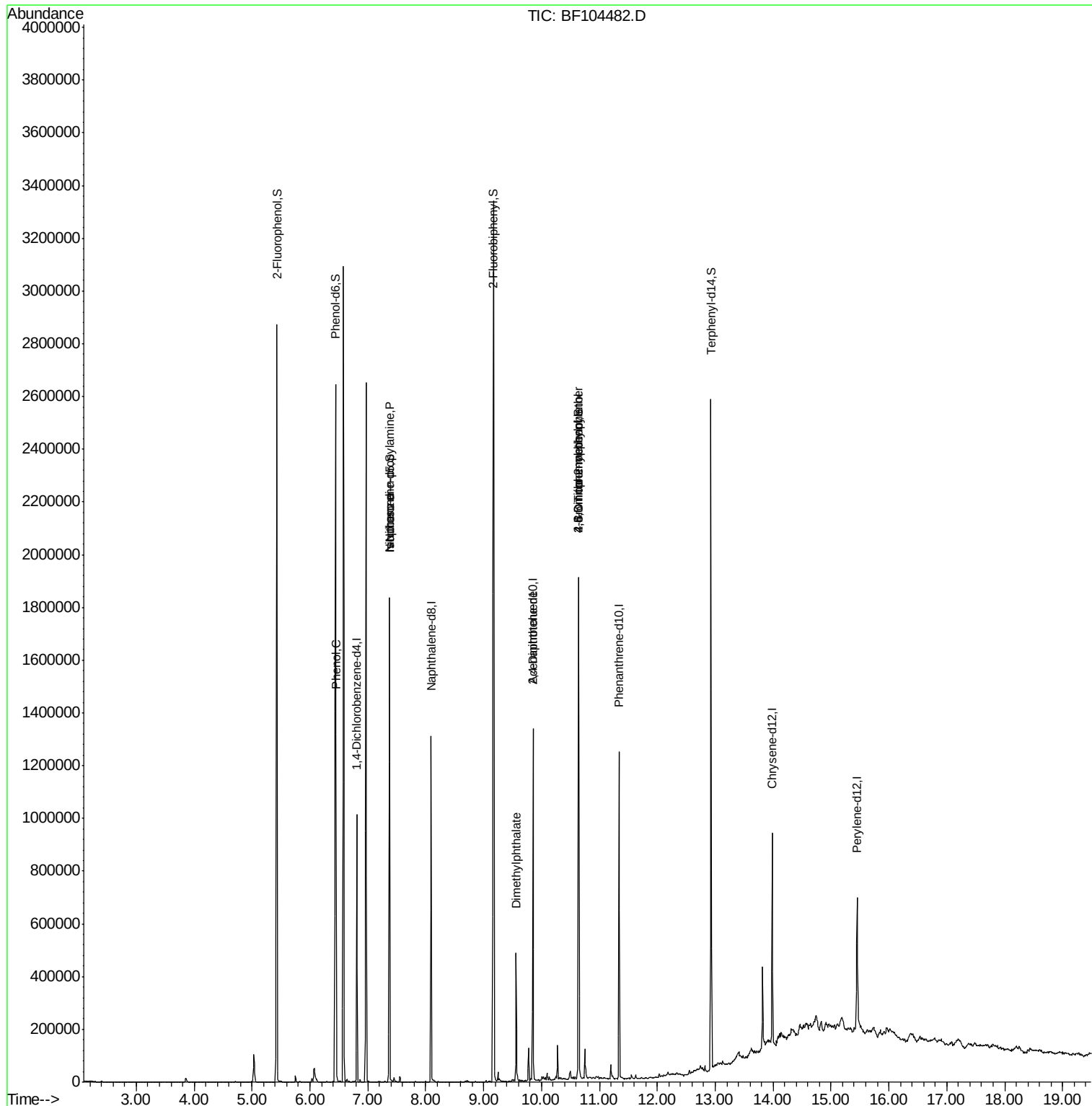
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	891034	101.43	ng	0.00
7) Phenol-d6	6.45	99	1084343	100.46	ng	0.00
23) Nitrobenzene-d5	7.37	82	681191	82.21	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	256323	100.85	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1183817	76.32	ng	0.00
78) Terphenyl-d14	12.93	244	951539	81.78	ng	0.00

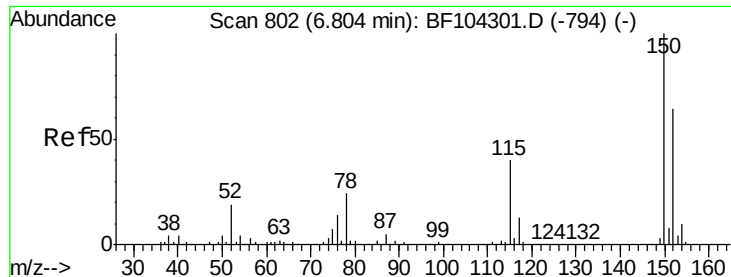
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1990	Below Cal		# 1
10) Phenol	6.46	94	41305	3.607	ng	95
19) n-Nitroso-di-n-propylamine	7.37	70	89602	12.704	ng	# 74
25) Isophorone	7.37	82	681183	38.874	ng	# 64
49) Dimethylphthalate	9.56	163	179195	9.274	ng	99
56) 2,4-Dinitrotoluene	9.85	165	30954	6.600	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	736	7.665	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	15412	3.599	ng	# 1
76) Benzidine	12.93	184	12786	Below Cal		96

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

```
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Operator  : JU/SJ  
Sample    : J2360-01  
Misc      :  
ALS Vial  : 11      Sample Multiplier: 1
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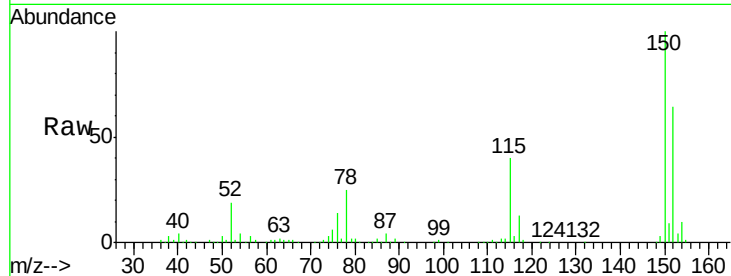


#1

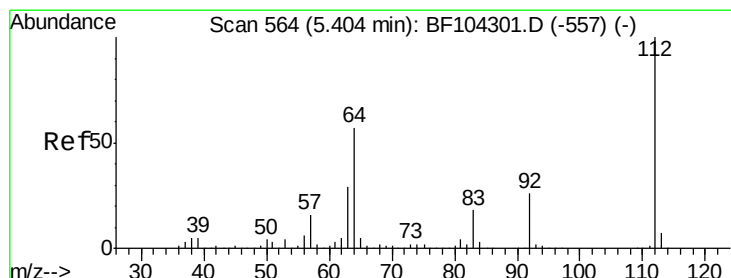
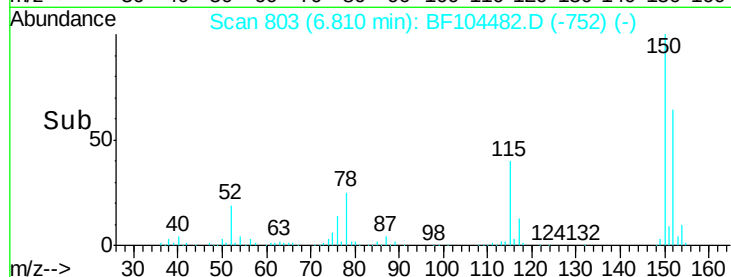
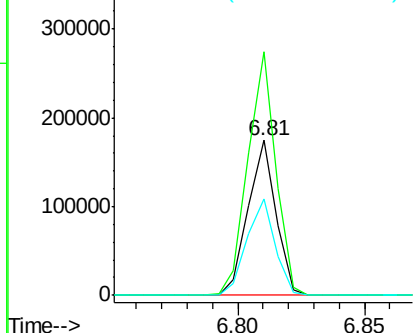
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104482.D
Acq: 13 Apr 2018 16:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134322
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 62.1 50.1 75.1



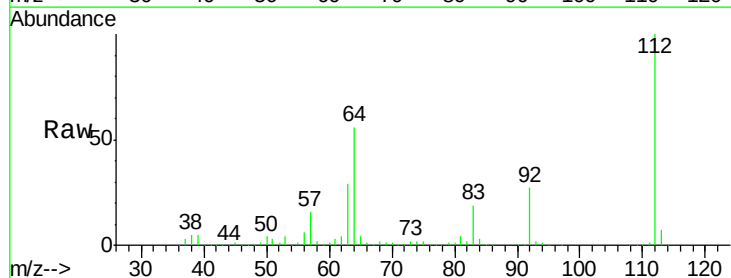
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



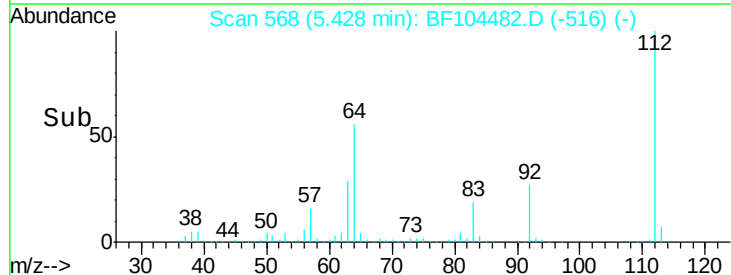
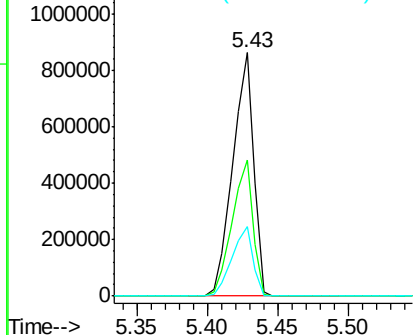
#5

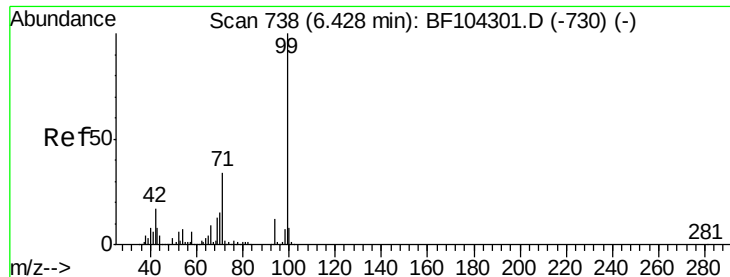
2-Fluorophenol
Concen: 101.431 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104482.D
Acq: 13 Apr 2018 16:54

Tgt Ion:112 Resp: 891034
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 28.7 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: 100.463 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104482.D

Acq: 13 Apr 2018 16:54

Instrument :

BNA_F

ClientSampleId :

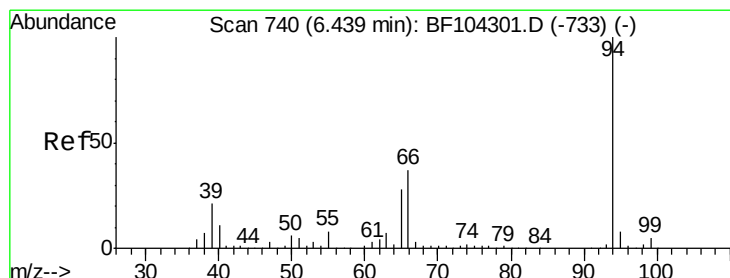
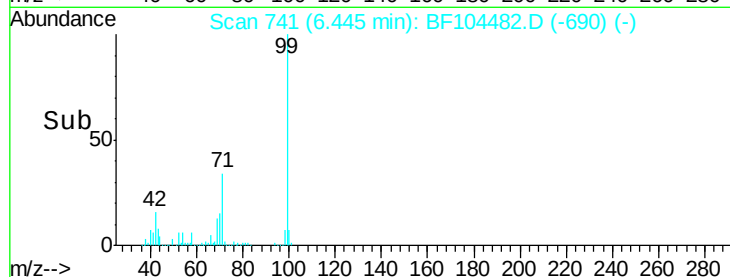
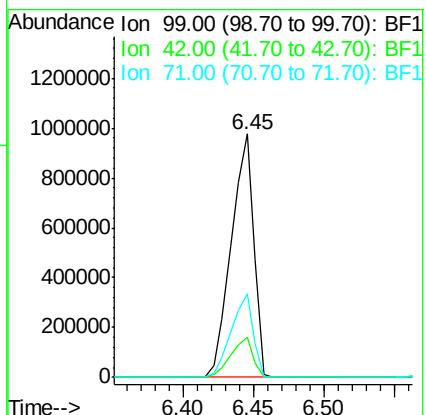
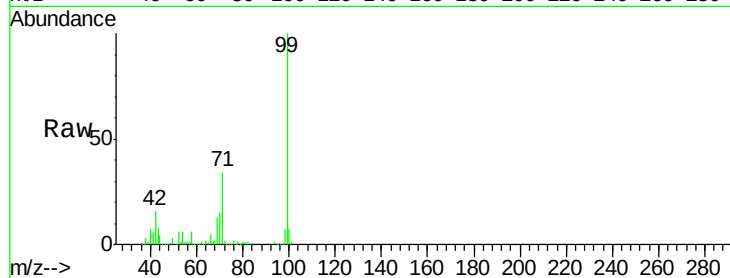
Tot Ion: 99 Resp: 1084343

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

71 34.4 25.4 38.0



#10

Phenol

Concen: 3.607 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF104482.D

Acq: 13 Apr 2018 16:54

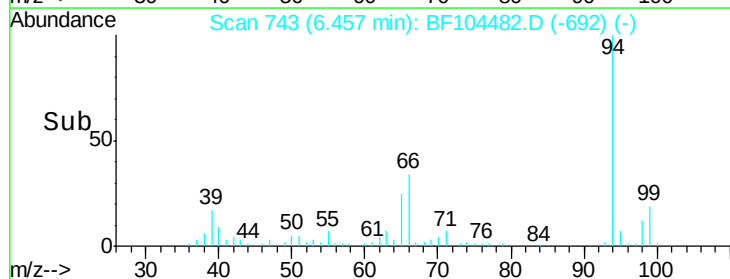
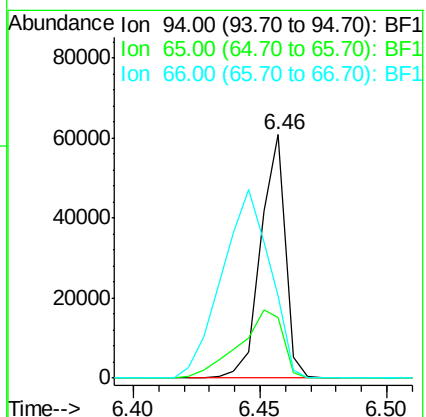
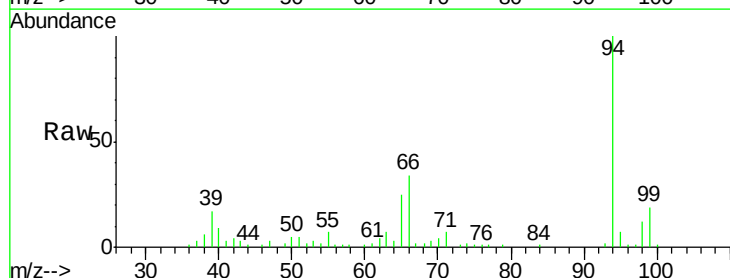
Tgt Ion: 94 Resp: 41305

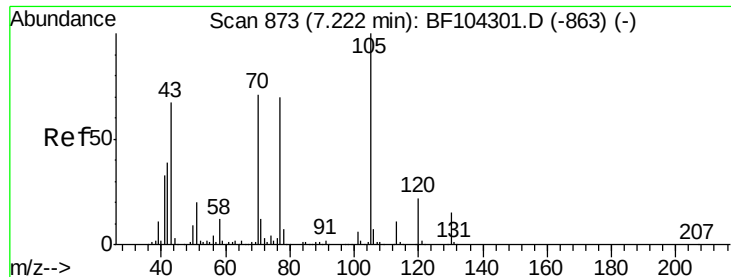
Ion Ratio Lower Upper

94 100

65 25.0 7.9 47.9

66 33.9 16.2 56.2

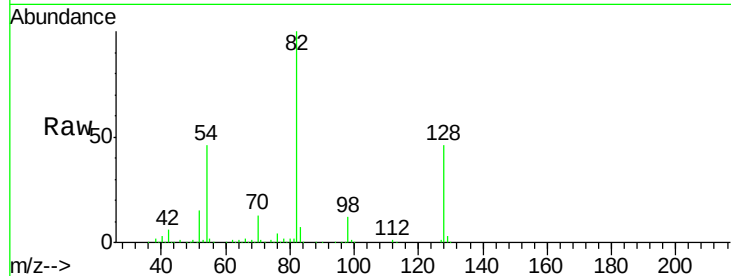




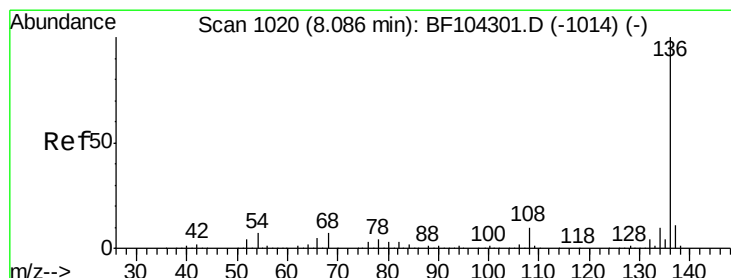
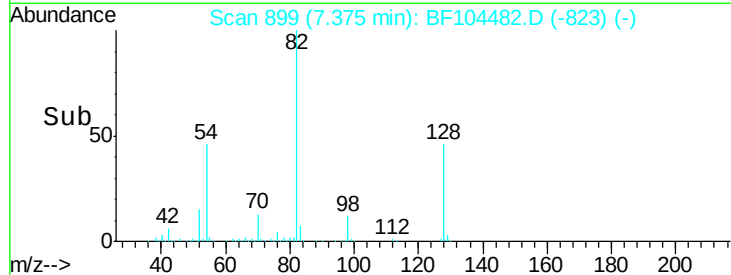
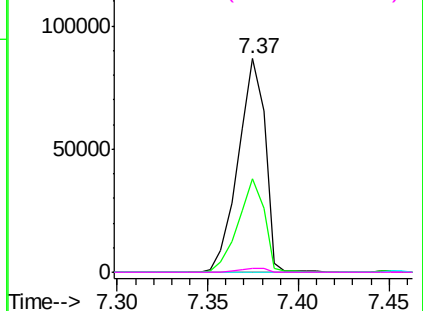
#19
n-Nitroso-di-n-propylamine
Concen: 12.704 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104482.D
Acq: 13 Apr 2018 16:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 89602
Ion Ratio Lower Upper
70 100
42 43.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#

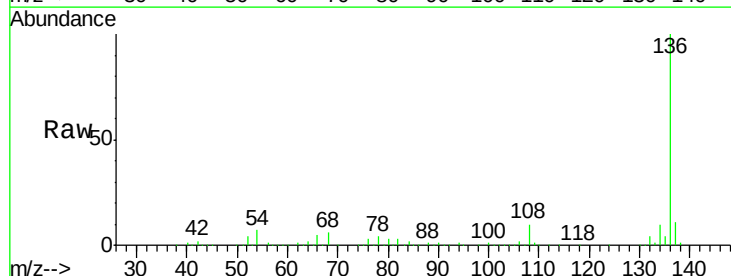


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

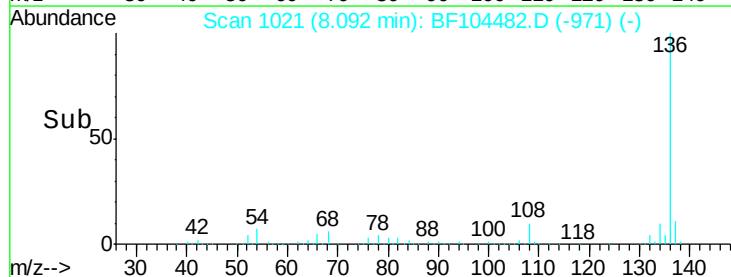
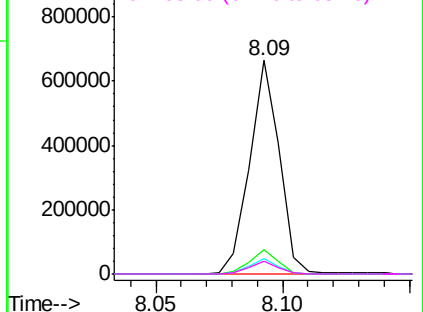


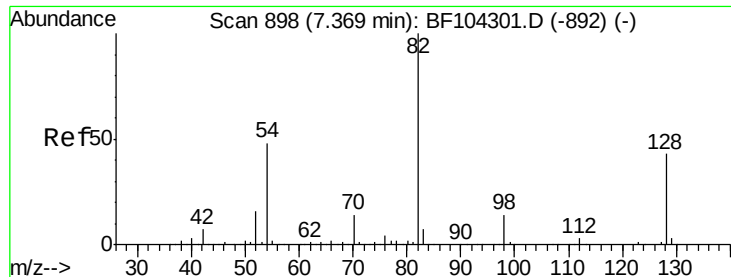
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104482.D
Acq: 13 Apr 2018 16:54

Tgt Ion:136 Resp: 541082
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.2 6.6 9.8
68 6.1 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

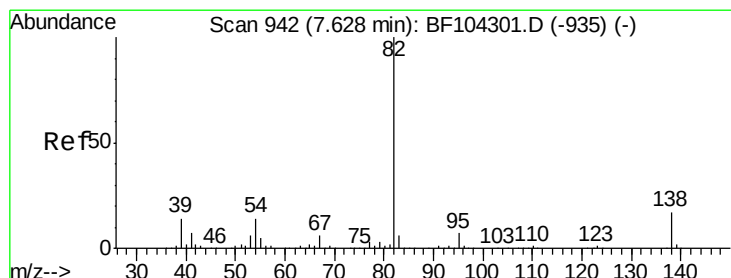
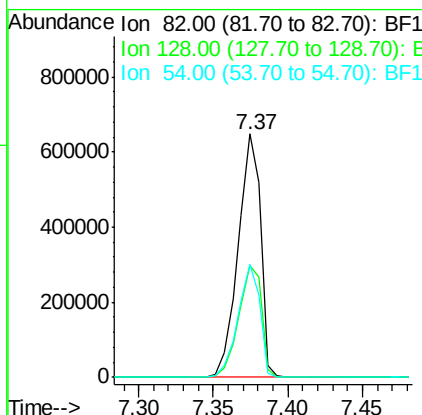
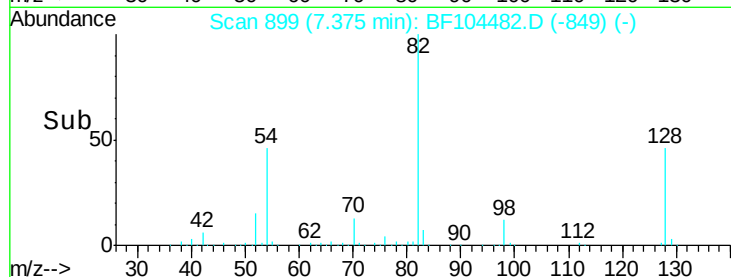
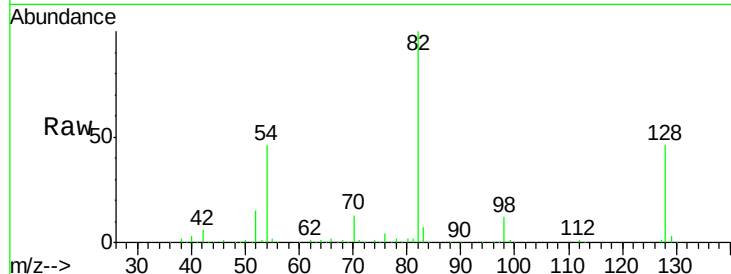




#23
Nitrobenzene-d5
Concen: 82.206 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104482.D
Acq: 13 Apr 2018 16:54

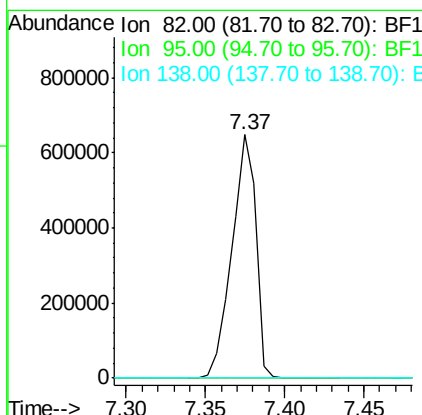
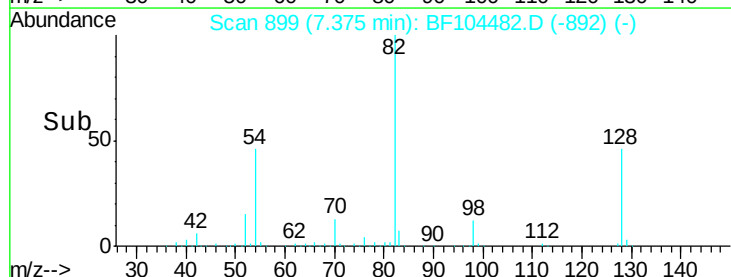
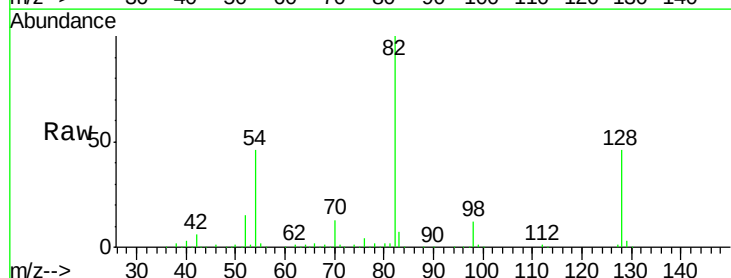
Instrument :
BNA_F
ClientSampleId :

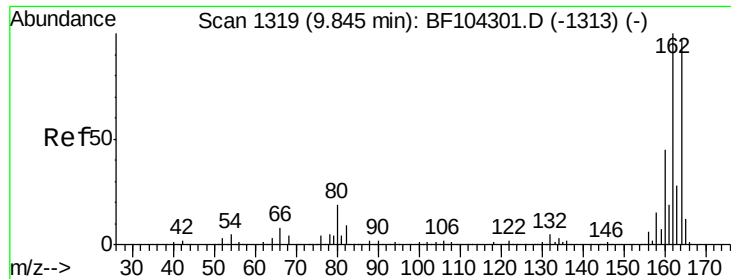
Tot Ion: 82 Resp: 681191
Ion Ratio Lower Upper
82 100
128 45.7 36.1 54.1
54 46.3 41.4 62.2



#25
Isophorone
Concen: 38.874 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF104482.D
Acq: 13 Apr 2018 16:54

Tgt Ion: 82 Resp: 681183
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

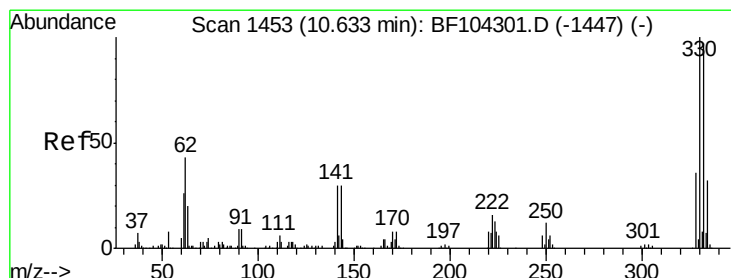
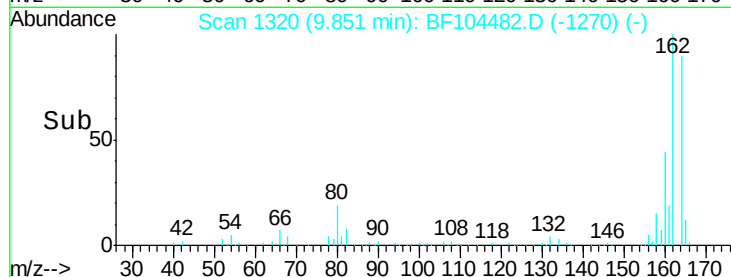
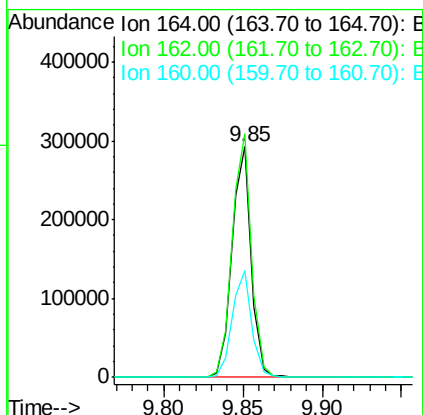
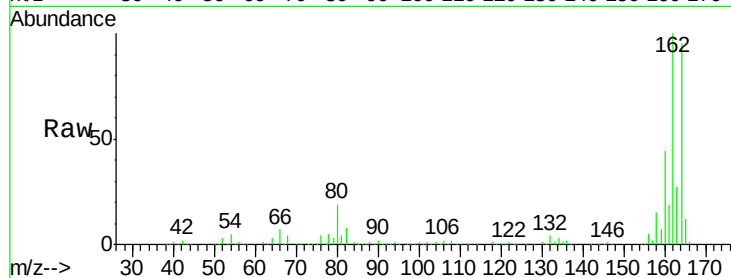




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF104482.D
 Acq: 13 Apr 2018 16:54

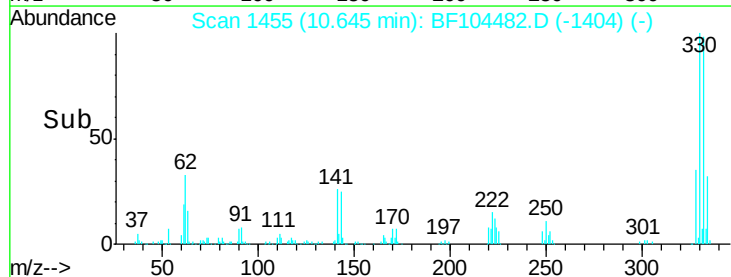
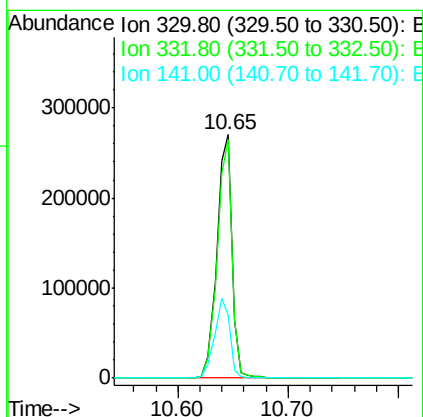
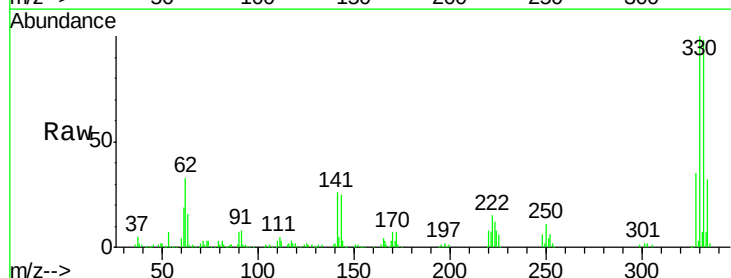
Instrument :
 BNA_F
 ClientSampleId :

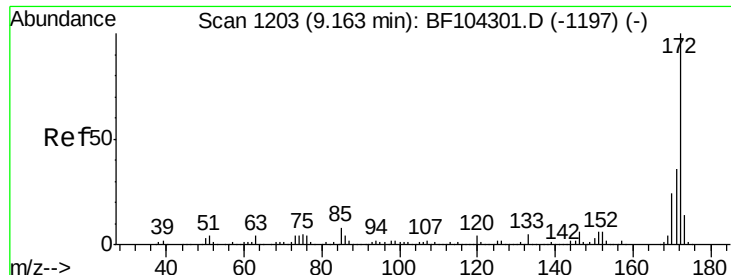
Tot Ion:164 Resp: 245025
 Ion Ratio Lower Upper
 164 100
 162 105.6 86.1 129.1
 160 46.3 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 100.847 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF104482.D
 Acq: 13 Apr 2018 16:54

Tgt Ion:330 Resp: 256323
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 32.8 29.9 44.9

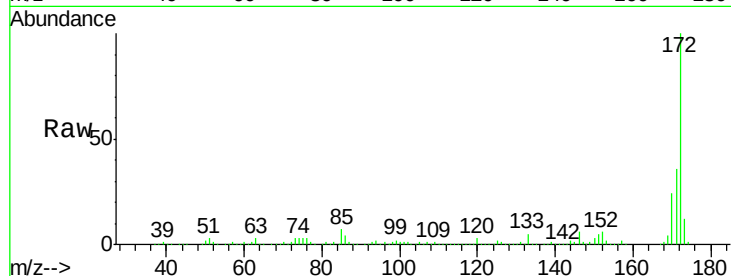




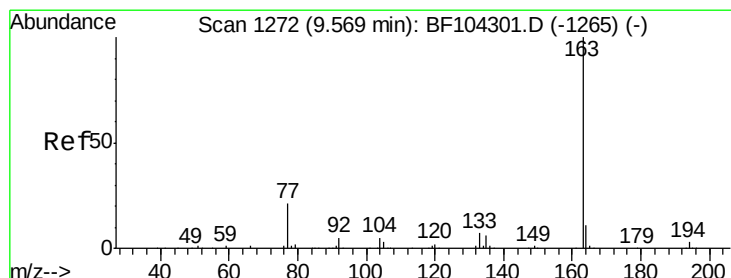
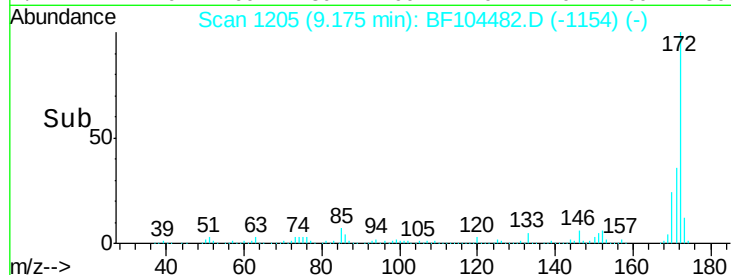
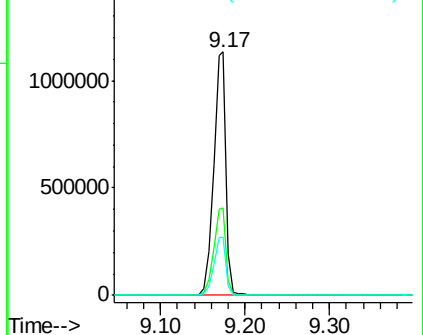
#44
2-Fluorobiphenyl
Concen: 76.324 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF104482.D
Acq: 13 Apr 2018 16:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1183817
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.0 19.6 29.4

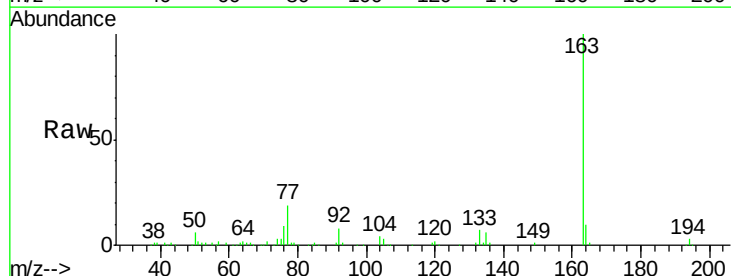


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

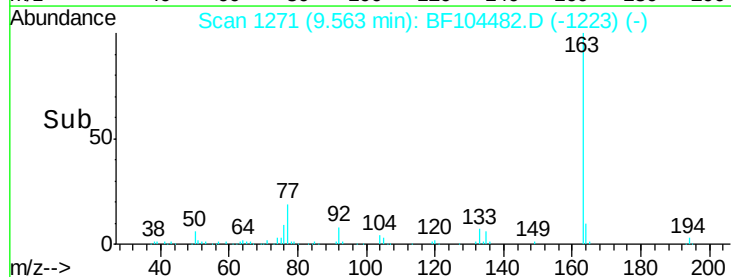
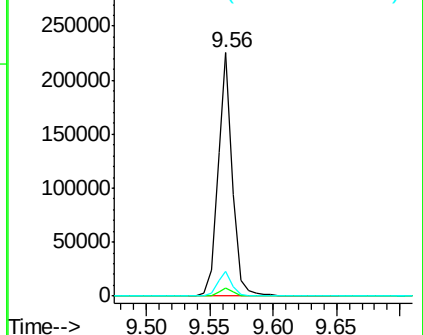


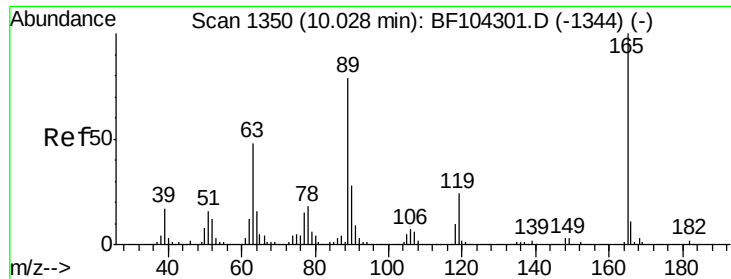
#49
Dimethylphthalate
Concen: 9.274 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF104482.D
Acq: 13 Apr 2018 16:54

Tgt Ion:163 Resp: 179195
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.9 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

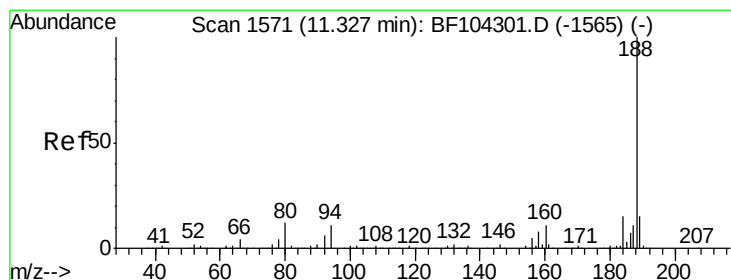
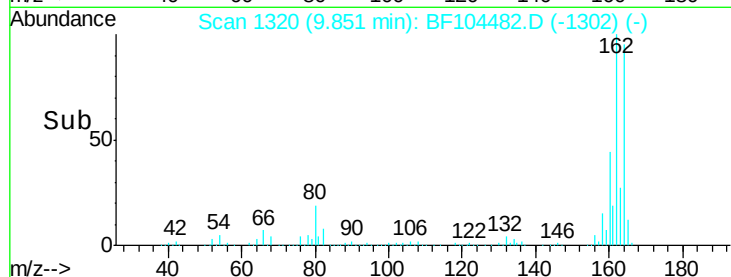
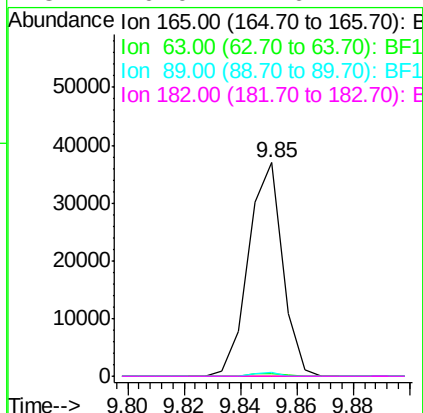
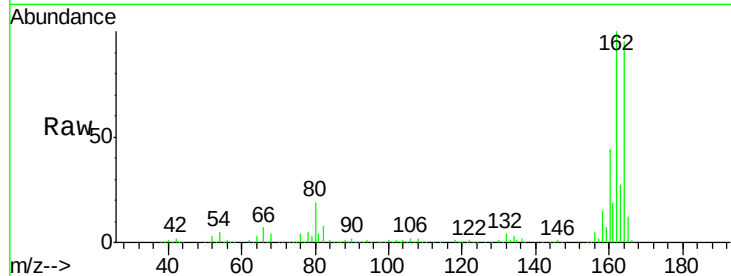




#56
 2,4-Dinitrotoluene
 Concen: 6.600 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104482.D
 Acq: 13 Apr 2018 16:54

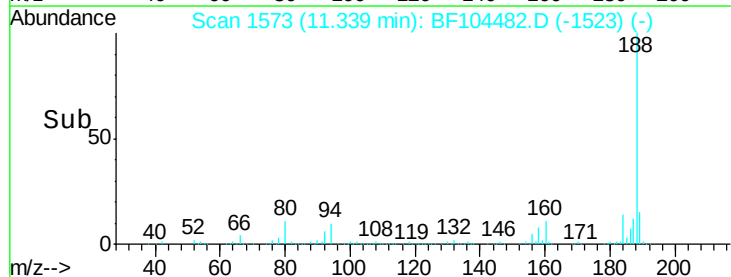
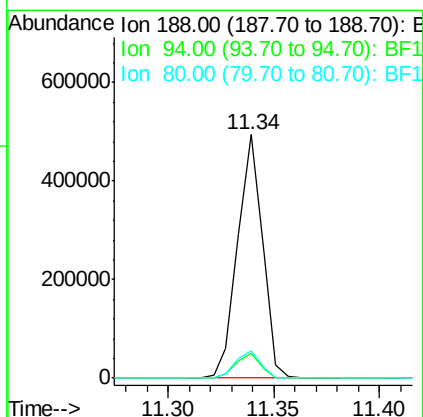
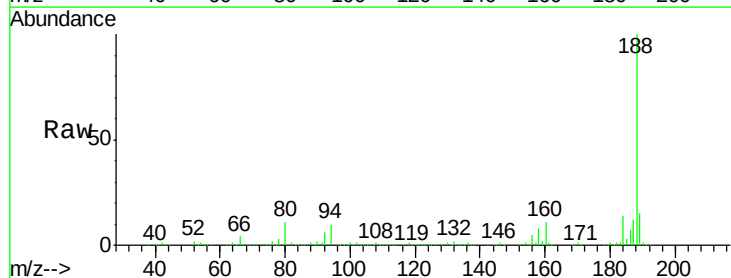
Instrument :
 BNA_F
 ClientSampleId :

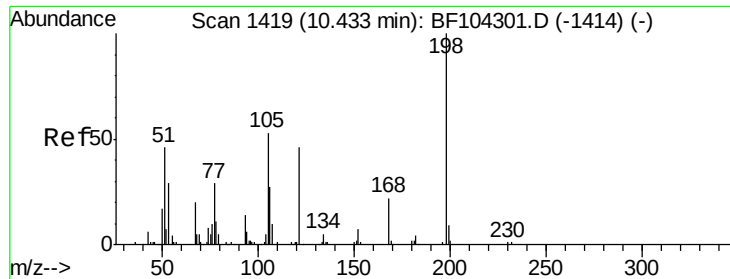
Tot Ion:	165	Resp:	30954
Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF104482.D
 Acq: 13 Apr 2018 16:54

Tgt Ion:	188	Resp:	402543
Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.4	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.665 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF104482.D

Acq: 13 Apr 2018 16:54

Instrument :

BNA_F

ClientSampleId :

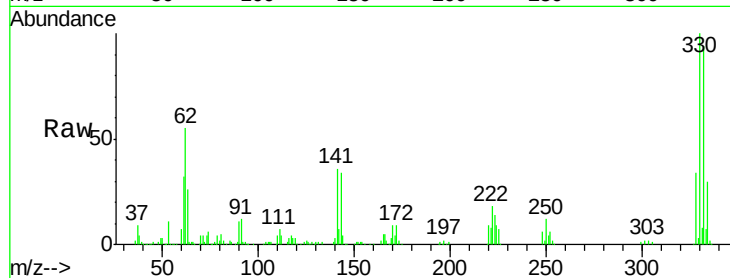
Tot Ion:198 Resp: 736

Ion Ratio Lower Upper

198 100

51 161.5 37.7 77.7#

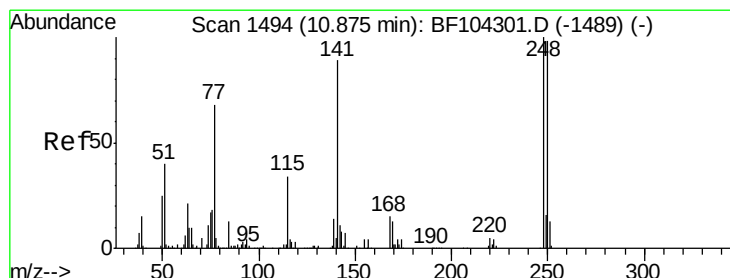
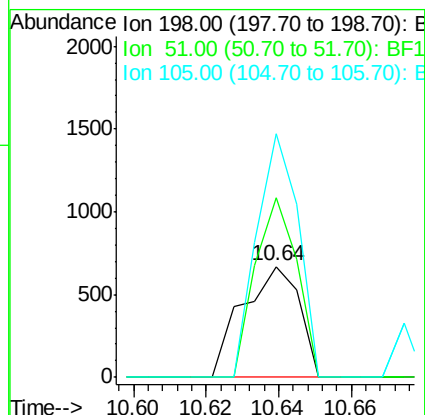
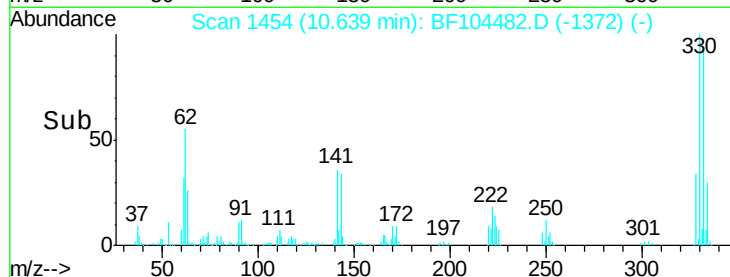
105 219.2 36.3 76.3#



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: 3.599 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.24 min

Lab File: BF104482.D

Acq: 13 Apr 2018 16:54

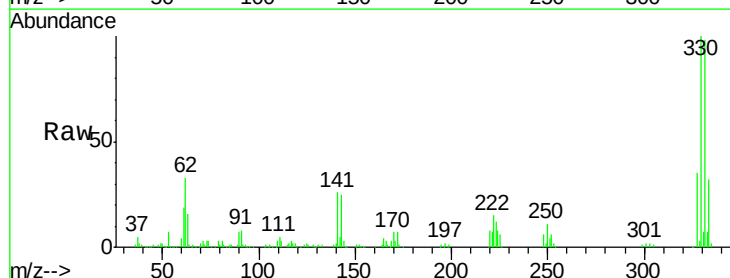
Tgt Ion:248 Resp: 15412

Ion Ratio Lower Upper

248 100

250 190.5 76.9 115.3#

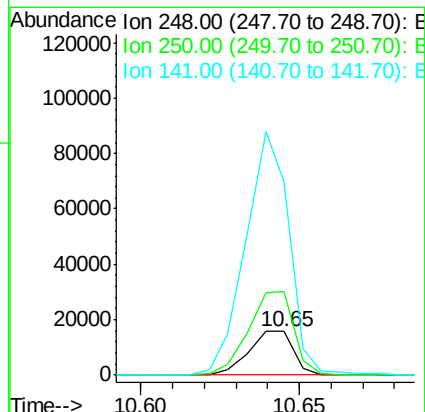
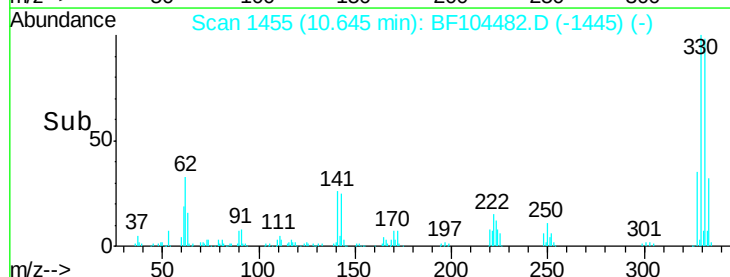
141 443.0 74.4 111.6#

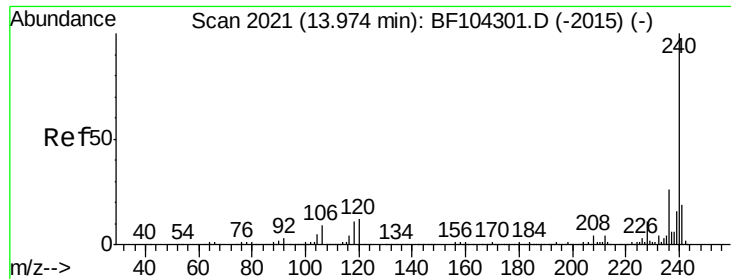


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104482.D

Acq: 13 Apr 2018 16:54

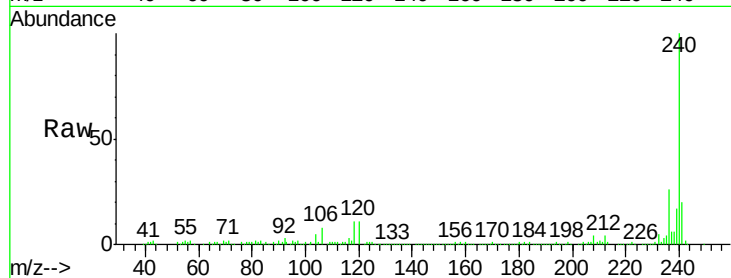
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 265250

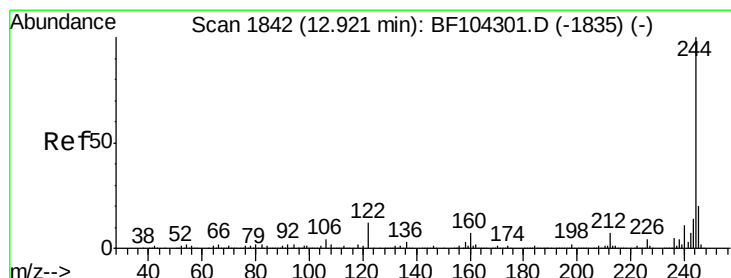
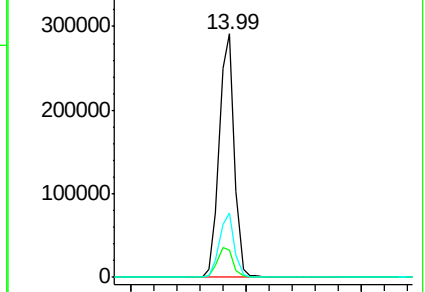
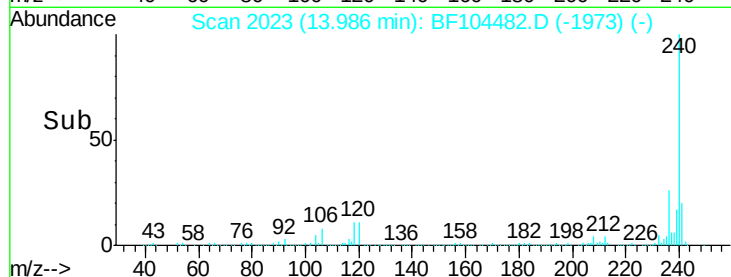
Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.5	14.3
236	26.2	20.7	31.1



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: 81.785 ng

RT: 12.93 min Scan# 1844

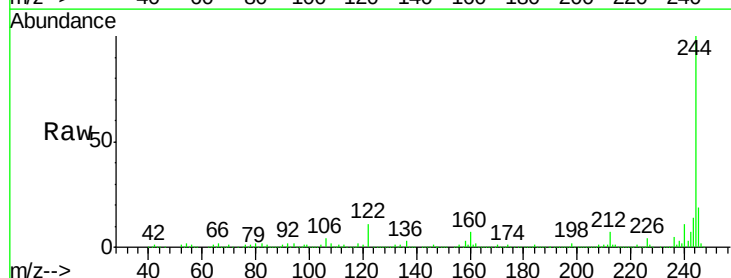
Delta R.T. -0.00 min

Lab File: BF104482.D

Acq: 13 Apr 2018 16:54

Tgt Ion:244 Resp: 951539

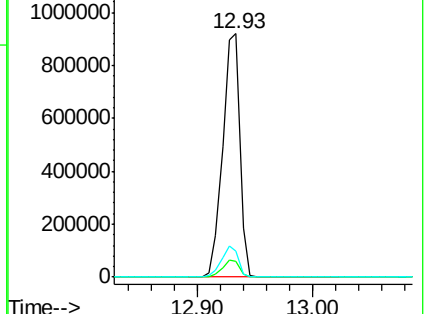
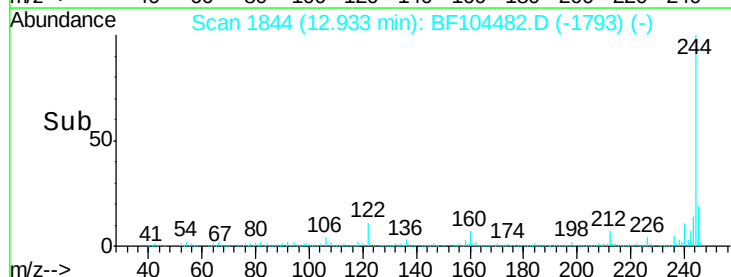
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.8	11.0	16.4

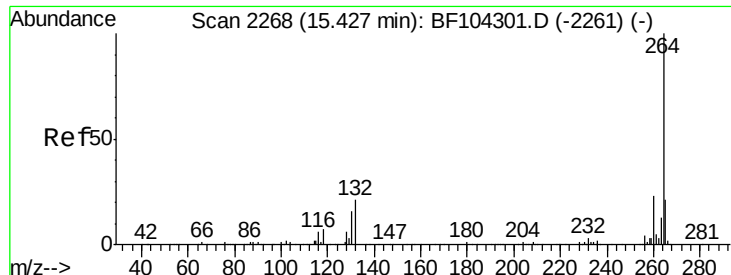


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

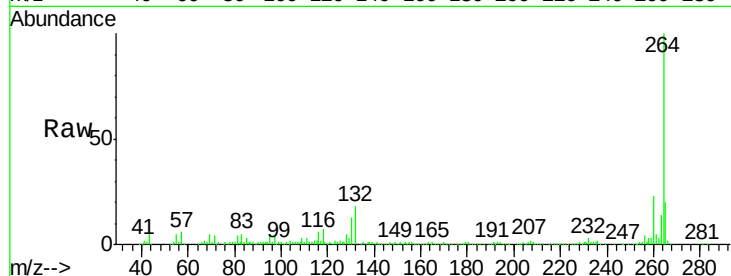




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: BF104482.D
 Acq: 13 Apr 2018 16:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	20.4	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

