

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
 Data File : BF110024.D
 Acq On : 20 Oct 2018 1:59
 Operator : JU/SJ
 Sample : J5593-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 04:02:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 20 01:53:35 2018
 Response via : Initial Calibration

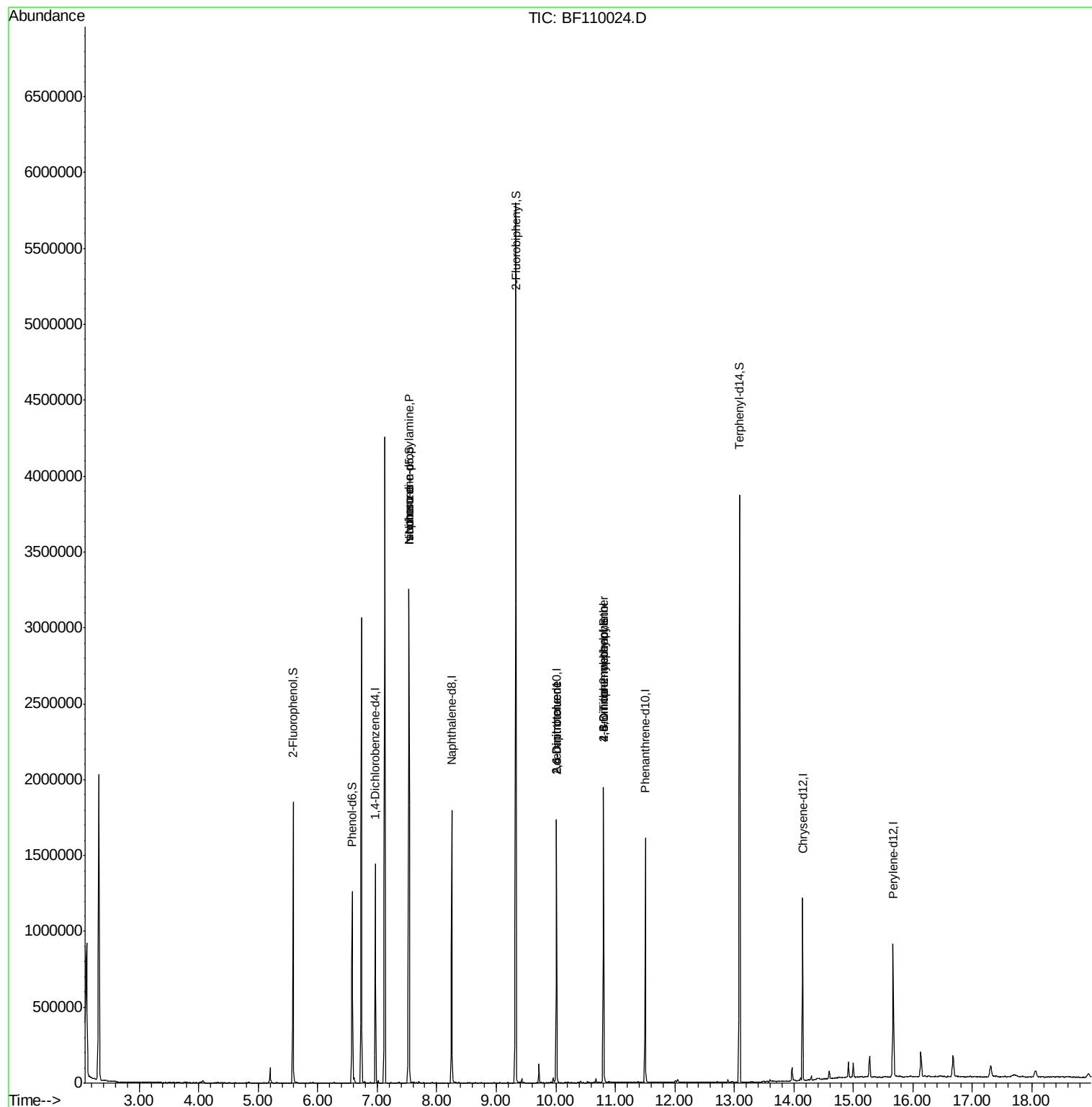
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	193126	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	766053	20.00	ng	0.00
39) Acenaphthene-d10	10.01	164	335095	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	536956	20.00	ng	0.00
76) Chrysene-d12	14.14	240	367111	20.00	ng	0.00
87) Perylene-d12	15.67	264	327686	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	460508	37.80	ng	0.00
7) Phenol-d6	6.58	99	353214	23.35	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1095317	96.32	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	223612	77.08	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1868257	88.96	ng	0.00
79) Terphenyl-d14	13.09	244	1310088	74.94	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	145537	14.982	ng	# 81
25) Isophorone	7.53	82	1095304	49.019	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	42299	9.386	ng	# 22
57) 2,4-Dinitrotoluene	10.01	165	42299	11.304	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	298	8.032	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	14977	2.574	ng	# 1

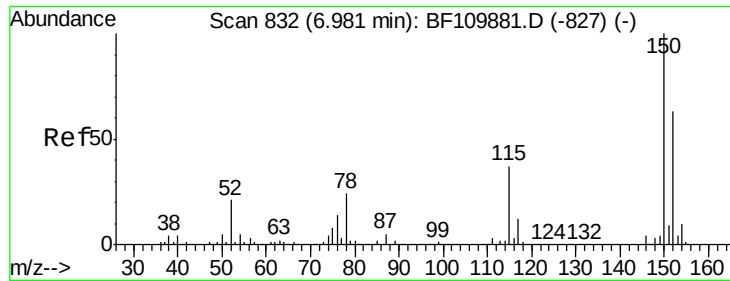
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Oct 20 04:02:24 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 20 01:53:35 2018
Response via : Initial Calibration



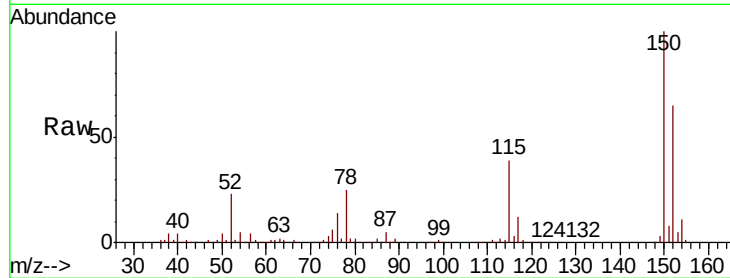


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110024.D
Acq: 20 Oct 2018 1:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	122.7	184.1
115	61.0	49.1	73.7

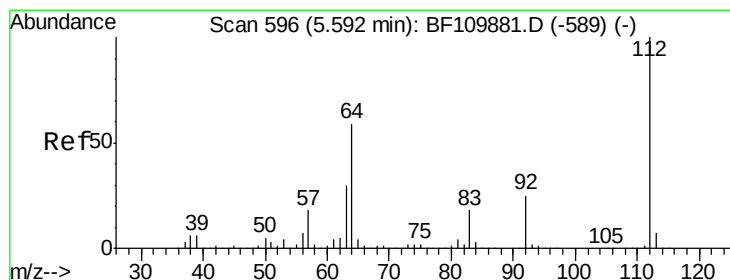
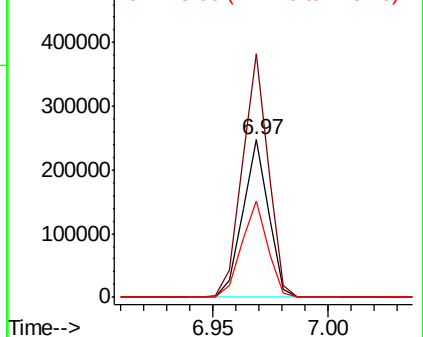
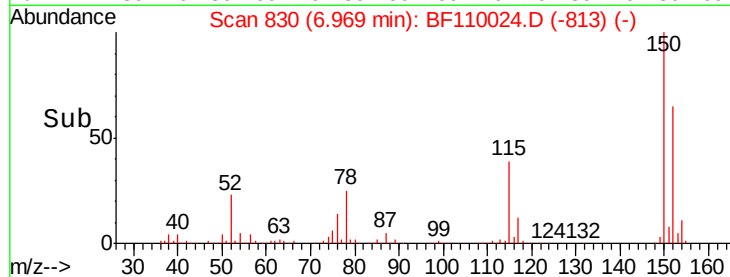


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

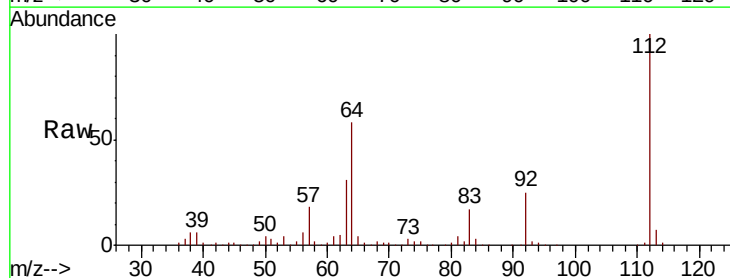
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 37.797 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.00 min
Lab File: BF110024.D
Acq: 20 Oct 2018 1:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	44.1	66.1
63	30.8	23.7	35.5

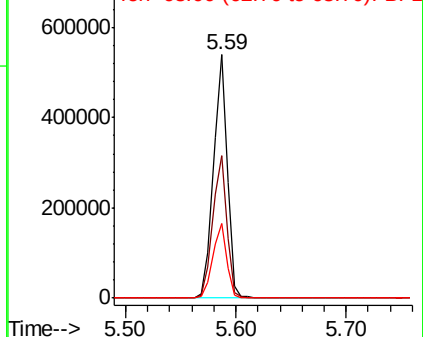
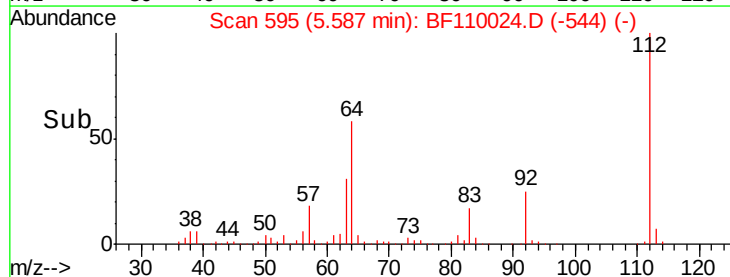


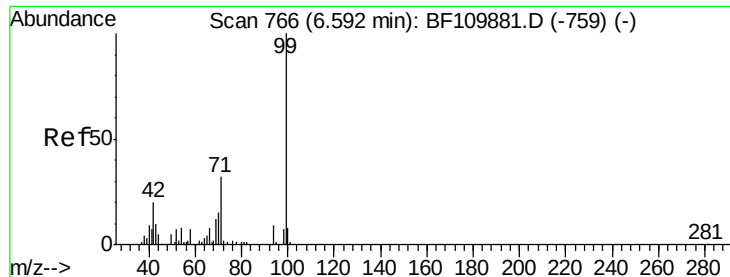
Abundance

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: 23.347 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110024.D

Acq: 20 Oct 2018 1:59

Instrument :

BNA_F

ClientSampleId :

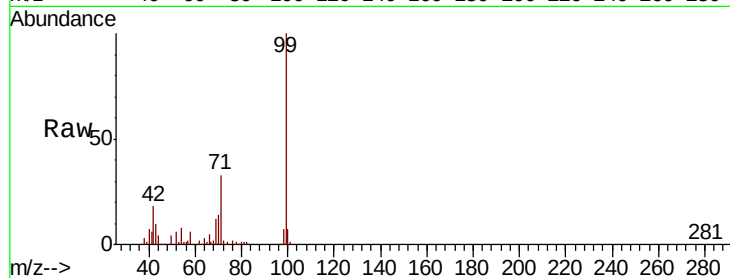
Tot Ion: 99 Resp: 353214

Ion Ratio Lower Upper

99 100

42 18.3 15.8 23.6

71 32.9 28.0 42.0



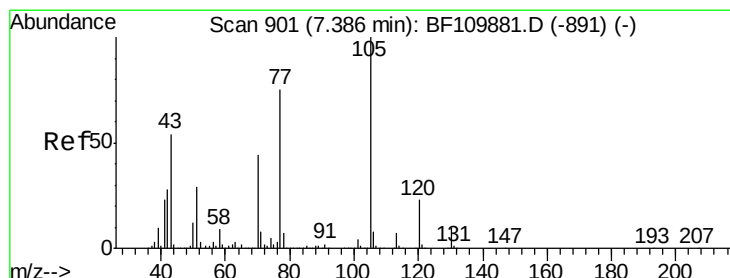
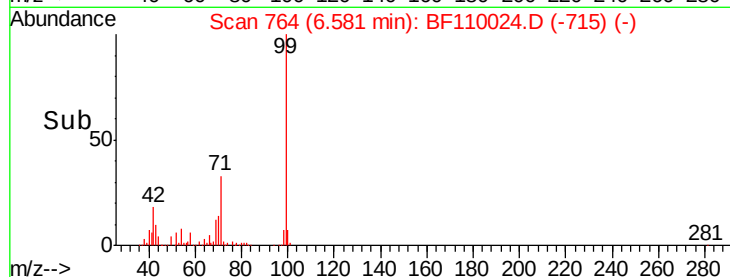
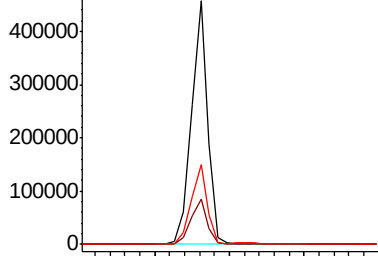
Abundance

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

6.58



#19

n-Nitroso-di-n-propylamine

Concen: 14.982 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF110024.D

Acq: 20 Oct 2018 1:59

Tgt Ion: 70 Resp: 145537

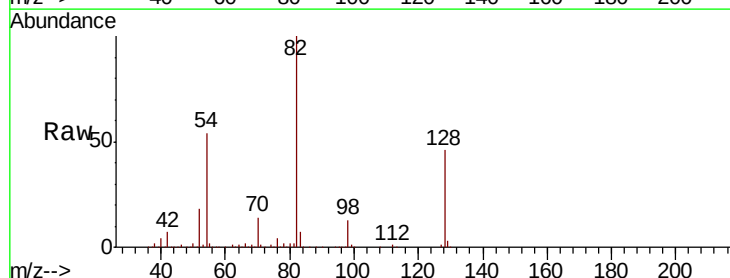
Ion Ratio Lower Upper

70 100

42 50.4 47.4 71.2

101 0.0 7.3 10.9#

130 2.5 16.2 24.2#



Abundance

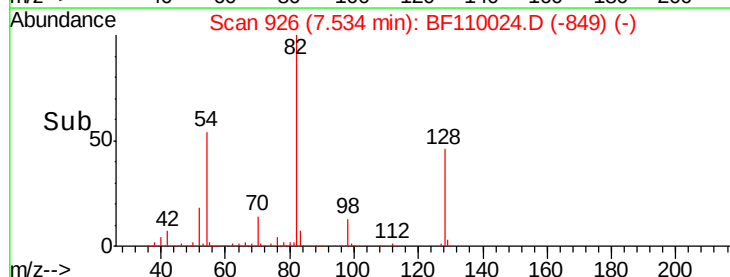
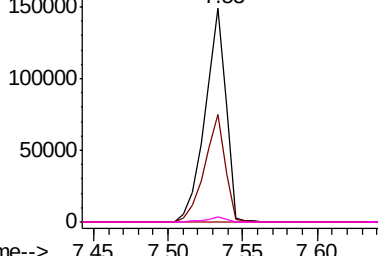
Ion 70.00 (69.70 to 70.70): BF1

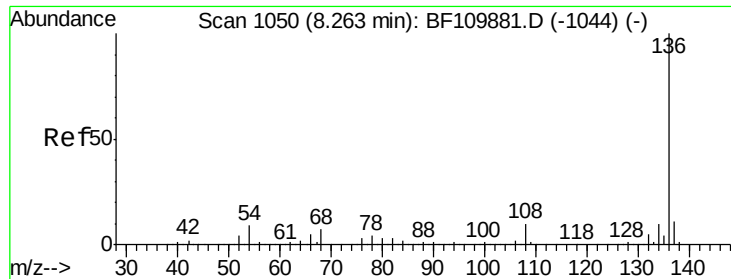
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

7.53

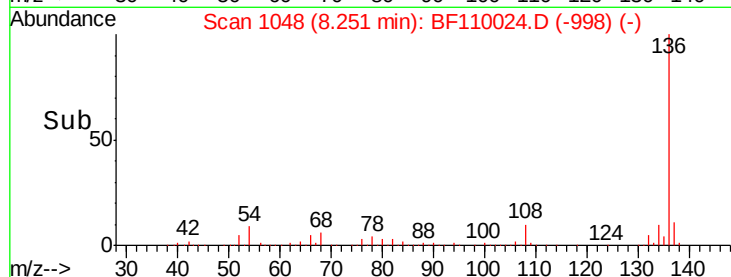
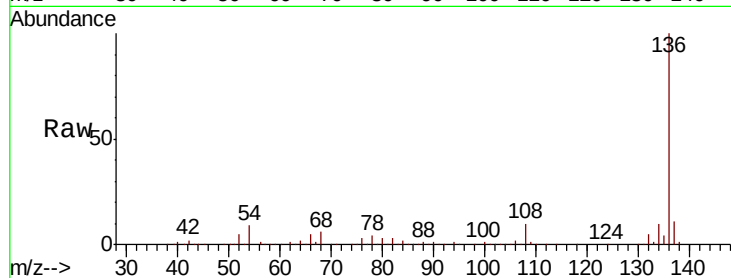




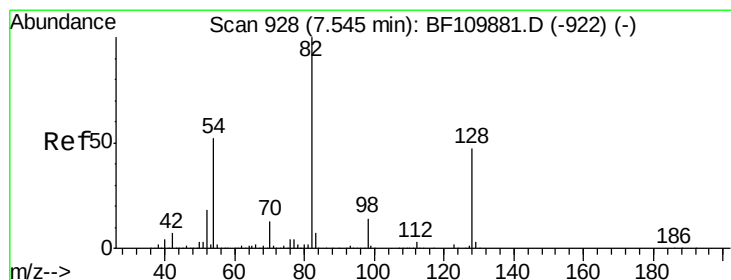
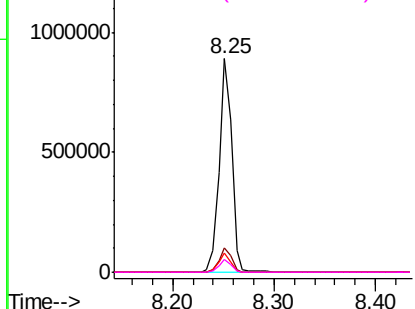
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF110024.D
Acq: 20 Oct 2018 1:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	766053
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.8 13.2
54	8.9	5.4 8.2#
68	5.9	4.2 6.2

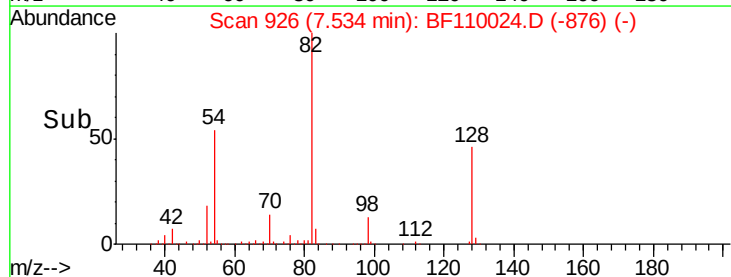
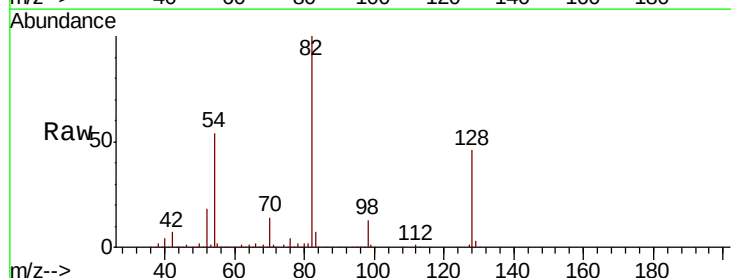


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

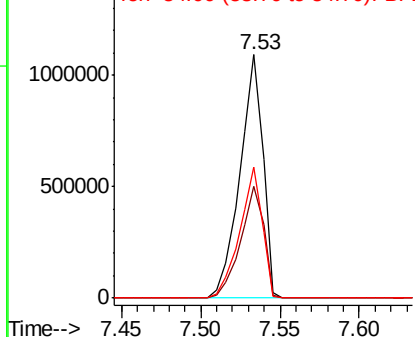


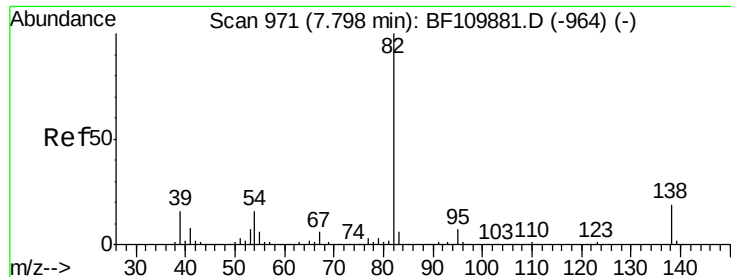
#23
Nitrobenzene-d5
Concen: 96.318 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF110024.D
Acq: 20 Oct 2018 1:59

Tgt Ion: 82	Resp:	1095317
Ion Ratio	Lower	Upper
82	100	
128	46.1	34.2 51.2
54	53.7	38.6 58.0



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

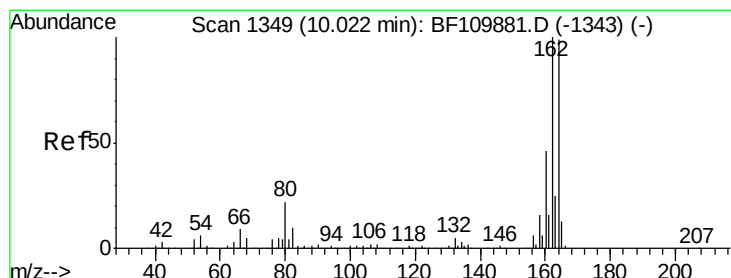
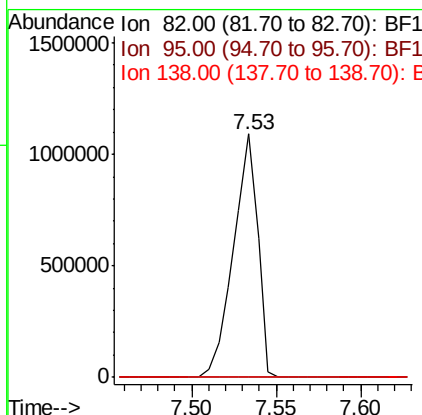
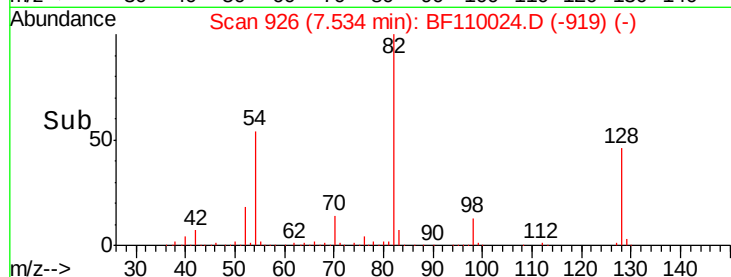
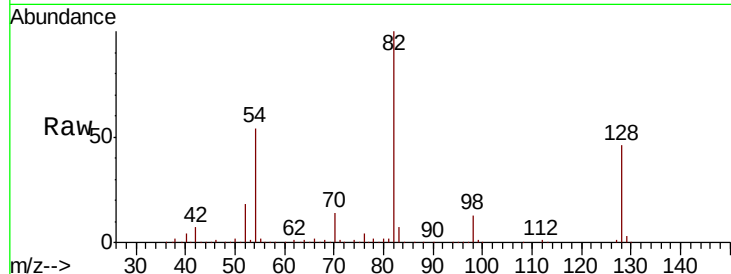




#25
Isophorone
Concen: 49.019 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.26 min
Lab File: BF110024.D
Acq: 20 Oct 2018 1:59

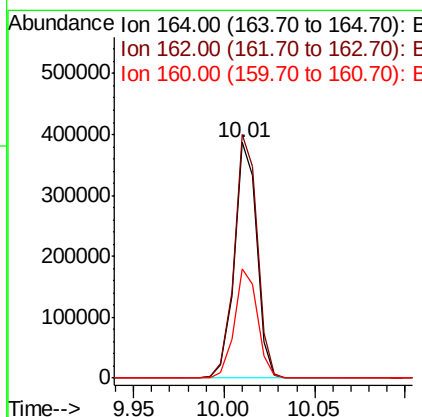
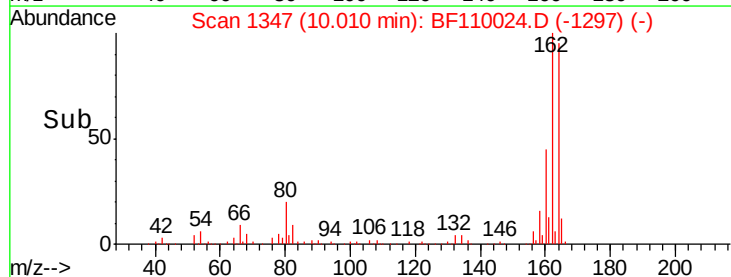
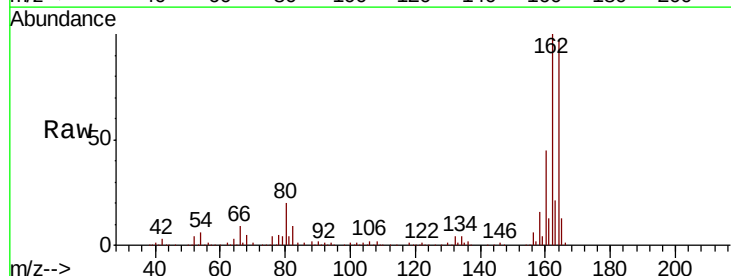
Instrument :
BNA_F
ClientSampled :

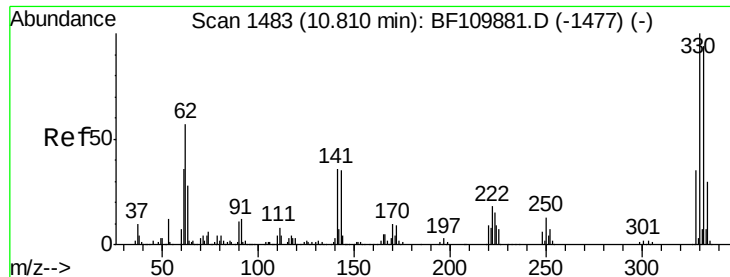
Tot Ion: 82 Resp: 1095304
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF110024.D
Acq: 20 Oct 2018 1:59

Tgt Ion: 164 Resp: 335095
Ion Ratio Lower Upper
164 100
162 103.2 83.0 124.6
160 46.2 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 77.077 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BF110024.D

Acq: 20 Oct 2018 1:59

Instrument :

BNA_F

ClientSampleId :

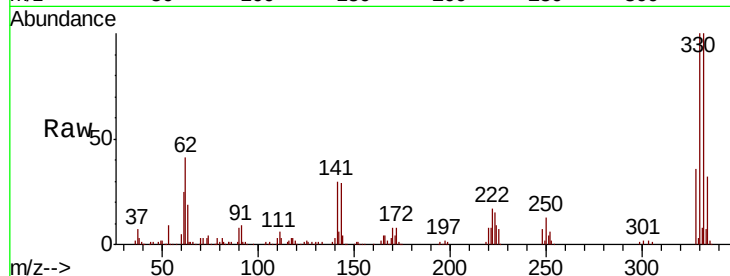
Tot Ion:330 Resp: 223612

Ion Ratio Lower Upper

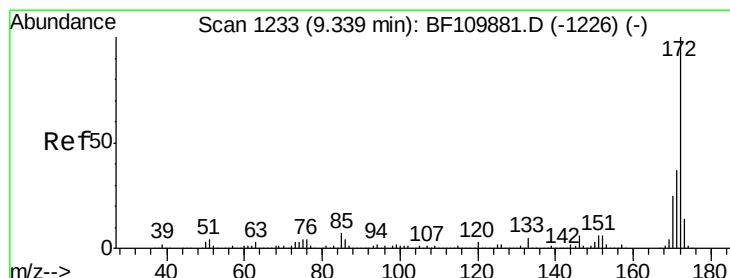
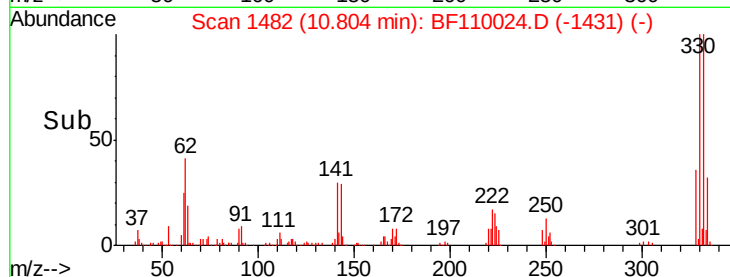
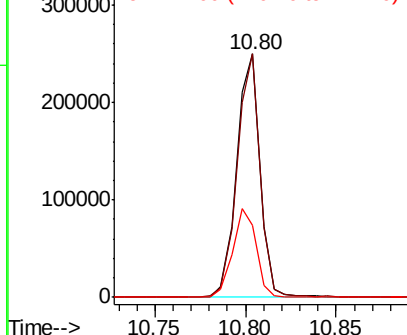
330 100

332 97.9 77.1 115.7

141 37.0 27.0 40.4



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



#45

2-Fluorobiphenyl

Concen: 88.963 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BF110024.D

Acq: 20 Oct 2018 1:59

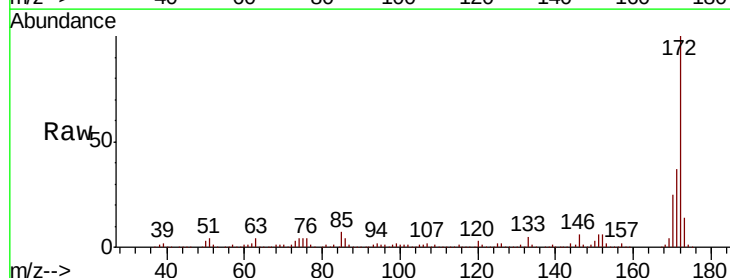
Tgt Ion:172 Resp: 1868257

Ion Ratio Lower Upper

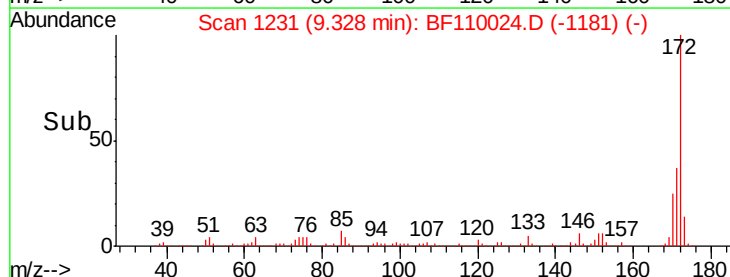
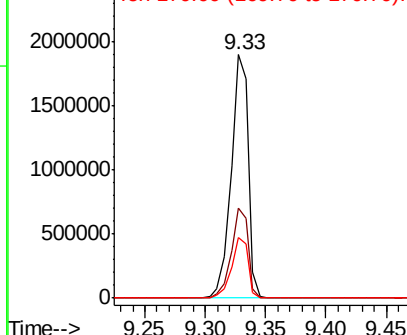
172 100

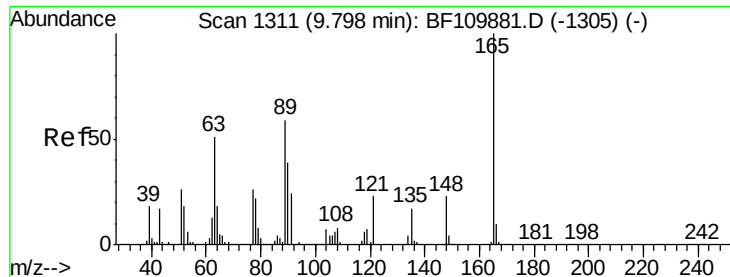
171 36.7 28.6 43.0

170 24.8 19.7 29.5



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





#51

2,6-Dinitrotoluene

Concen: 9.386 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.22 min

Lab File: BF110024.D

Acq: 20 Oct 2018 1:59

Instrument :

BNA_F

ClientSampleId :

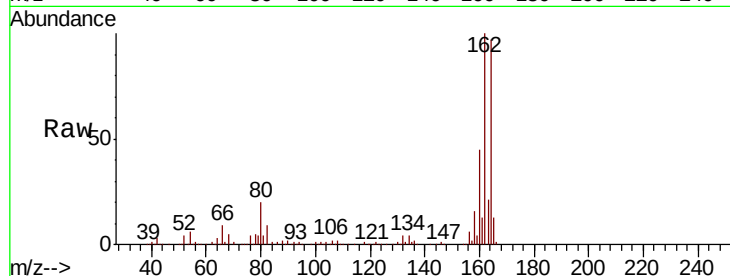
Tot Ion:165 Resp: 42299

Ion Ratio Lower Upper

165 100

63 0.8 48.9 73.3#

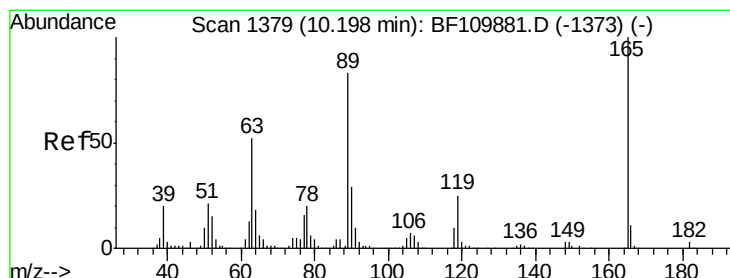
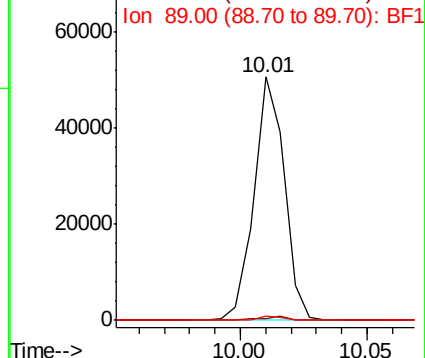
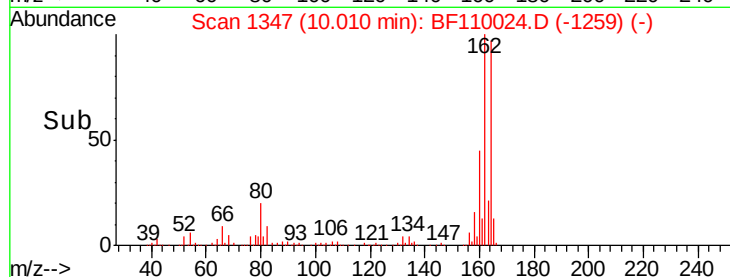
89 1.6 46.6 69.8#



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



#57

2,4-Dinitrotoluene

Concen: 11.304 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.19 min

Lab File: BF110024.D

Acq: 20 Oct 2018 1:59

Tgt Ion:165 Resp: 42299

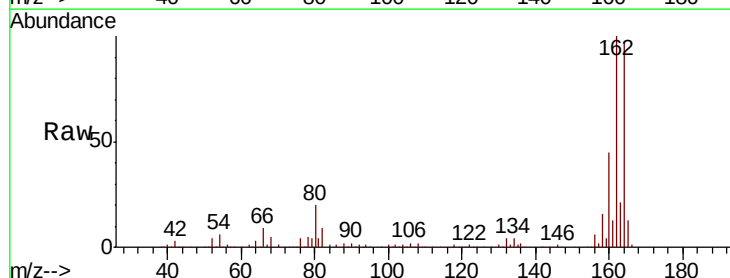
Ion Ratio Lower Upper

165 100

63 0.8 44.8 67.2#

89 1.6 62.2 93.4#

182 0.0 2.1 3.1#

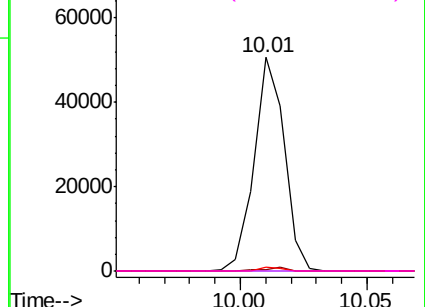
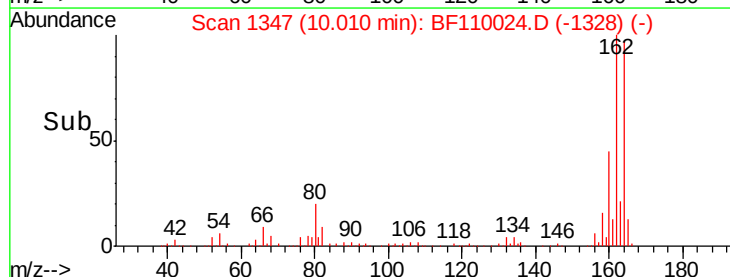


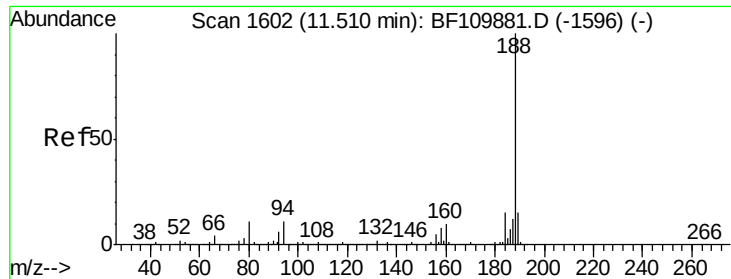
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1601

Delta R.T. 0.00 min

Lab File: BF110024.D

Acq: 20 Oct 2018 1:59

Instrument :

BNA_F

ClientSampleId :

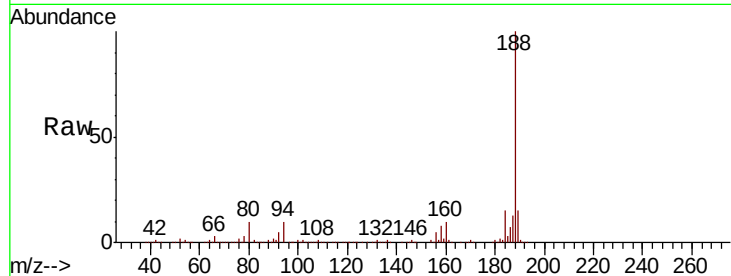
Tot Ion:188 Resp: 536956

Ion Ratio Lower Upper

188 100

94 9.6 7.2 10.8

80 9.9 7.9 11.9



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

800000

600000

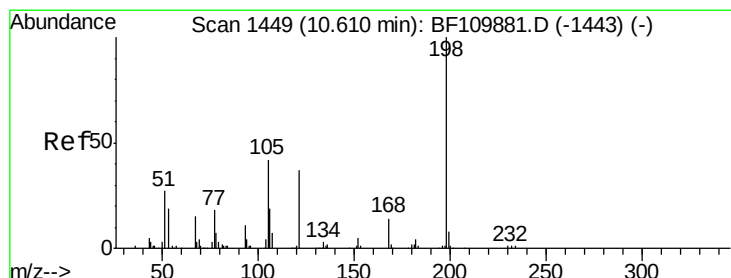
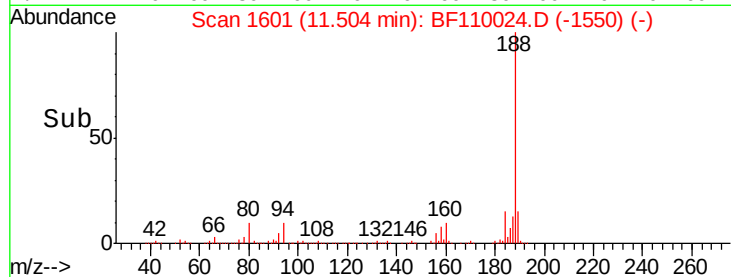
400000

200000

0

11.45 11.50 11.55

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 8.032 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.19 min

Lab File: BF110024.D

Acq: 20 Oct 2018 1:59

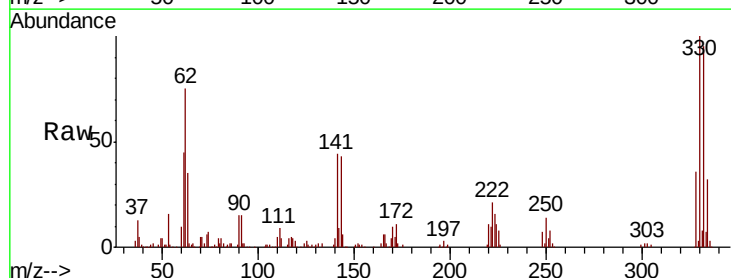
Tgt Ion:198 Resp: 298

Ion Ratio Lower Upper

198 100

51 320.6 22.8 62.8#

105 217.1 23.6 63.6#



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

2000

1500

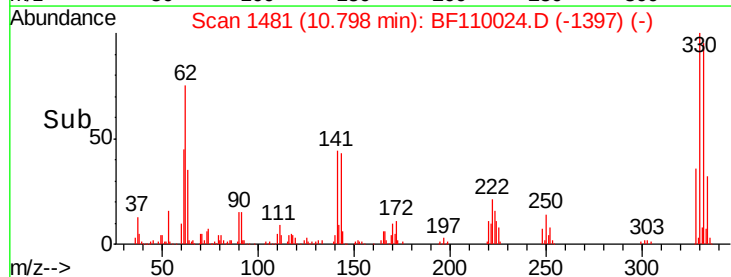
1000

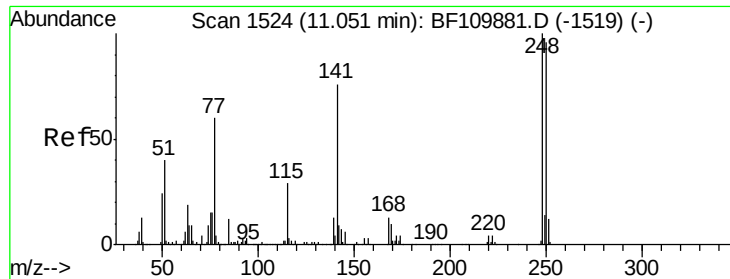
500

0

10.78 10.80 10.82

Time-->

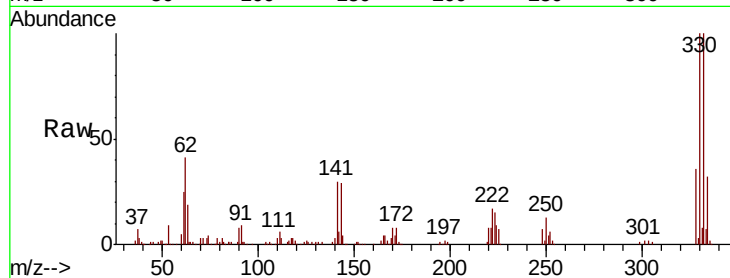




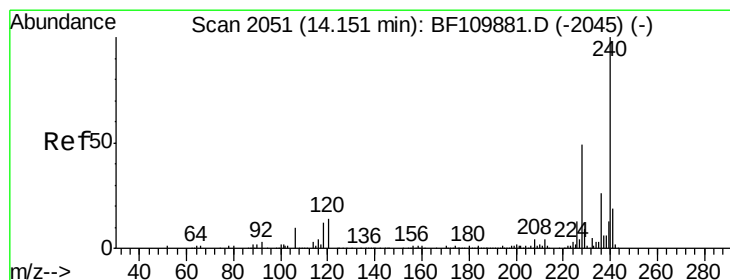
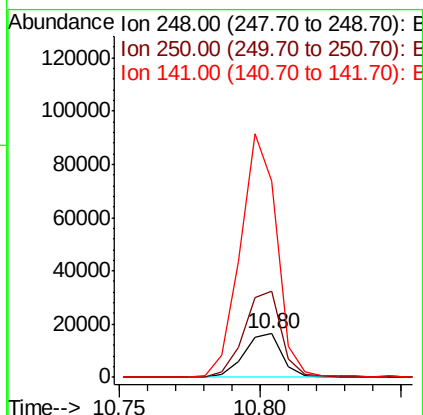
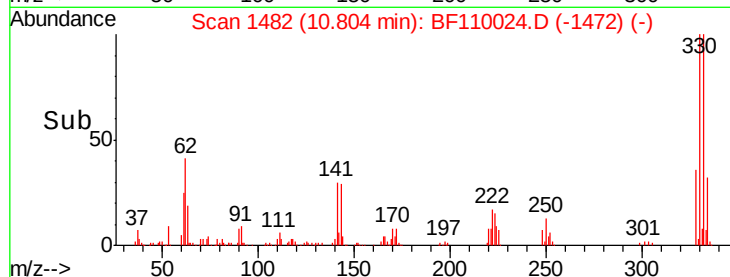
#67
4-Bromophenyl-phenylether
Concen: 2.574 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF110024.D
Acq: 20 Oct 2018 1:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14977
Ion Ratio Lower Upper
248 100
250 197.7 79.4 119.2#
141 452.8 55.9 83.9#

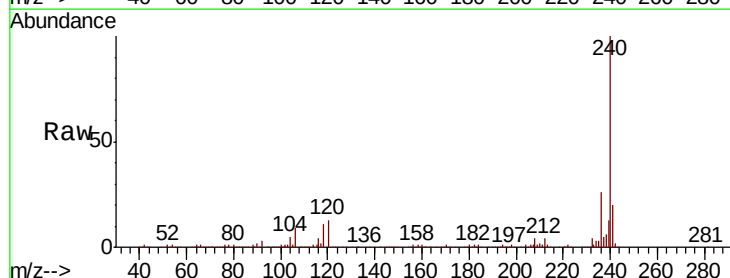


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

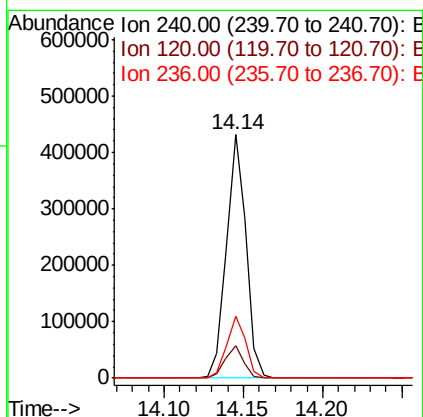
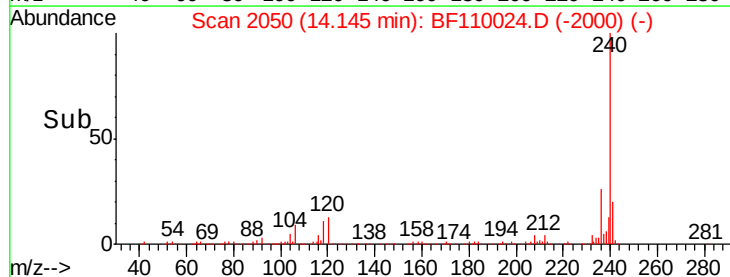


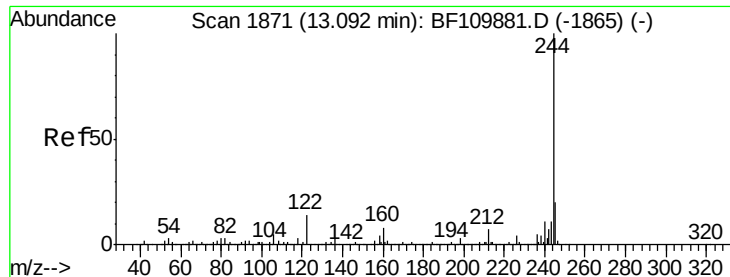
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF110024.D
Acq: 20 Oct 2018 1:59

Tgt Ion:240 Resp: 367111
Ion Ratio Lower Upper
240 100
120 13.3 8.3 12.5#
236 25.7 21.2 31.8



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





#79

Terphenyl-d14

Concen: 74.939 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF110024.D

Acq: 20 Oct 2018 1:59

Instrument :

BNA_F

ClientSampleId :

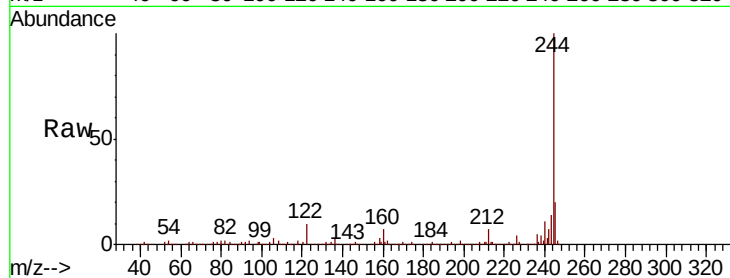
Tot Ion:244 Resp: 1310088

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

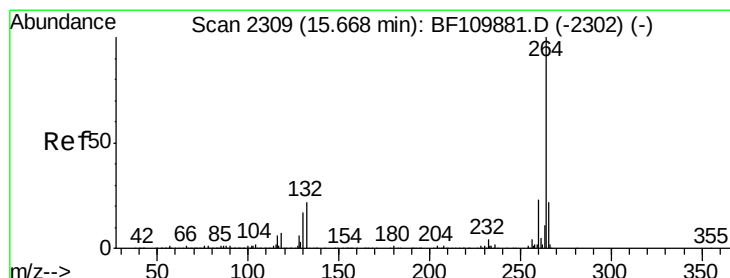
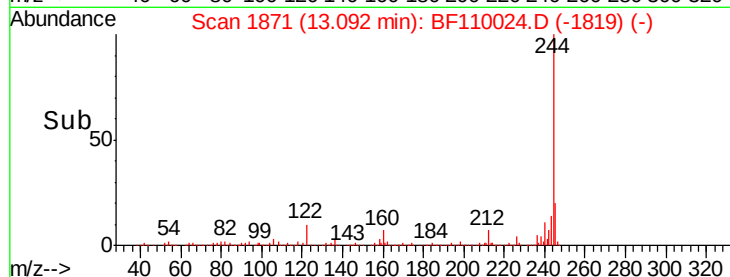
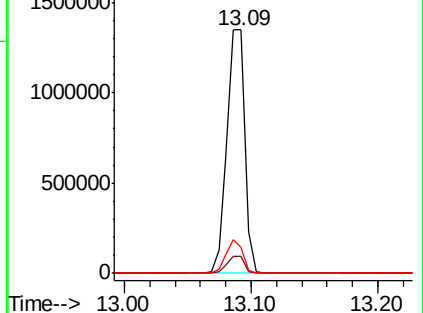
122 10.5 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.00 min

Lab File: BF110024.D

Acq: 20 Oct 2018 1:59

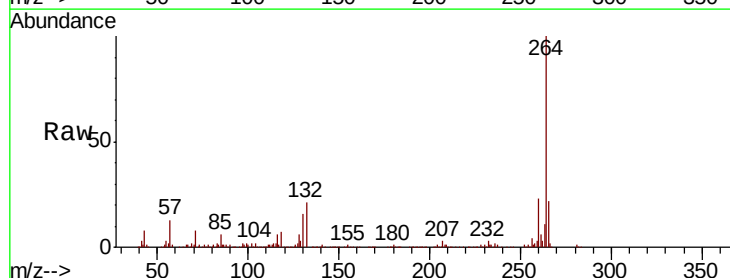
Tgt Ion:264 Resp: 327686

Ion Ratio Lower Upper

264 100

260 22.7 18.7 28.1

265 21.8 16.7 25.1



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

