

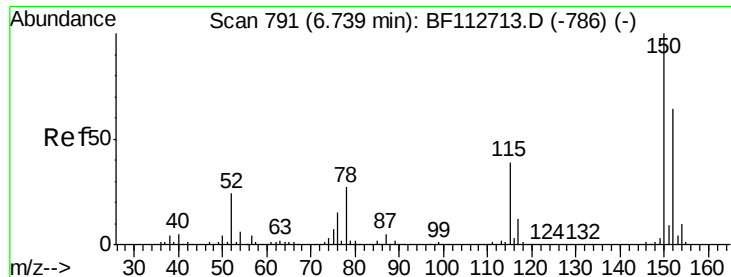
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030719\
 Data File : BF112919.D
 Acq On : 7 Mar 2019 14:18
 Operator : JU/SJ
 Sample : K1760-15
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 08 00:18:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	160048	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	634168	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	314268	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	665096	20.00	ng	0.00
76) Chrysene-d12	13.86	240	650659	20.00	ng	-0.01
87) Perylene-d12	15.27	264	622057	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	722763	70.25	ng	-0.01
7) Phenol-d6	6.36	99	964662	74.64	ng	0.00
23) Nitrobenzene-d5	7.29	82	565489	53.36	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	323959	97.10	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1123471	53.73	ng	-0.01
79) Terphenyl-d14	12.82	244	1314390	39.16	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	72701	8.882	ng	# 76
25) Isophorone	7.29	82	565482	24.767	ng	# 66
50) Dimethylphthalate	9.48	163	95331	4.114	ng	# 98
51) 2,6-Dinitrotoluene	9.76	165	39916	8.272	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	39916	6.655	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	412	4.749	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	18531	2.645	ng	# 1

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

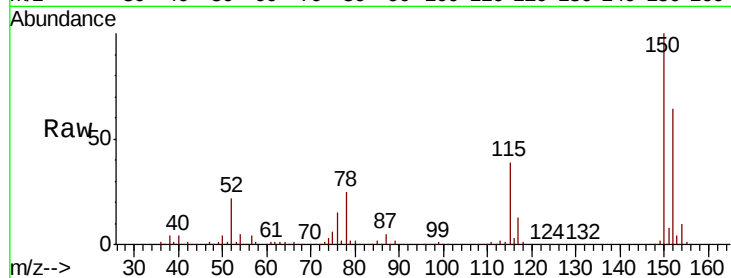


#1

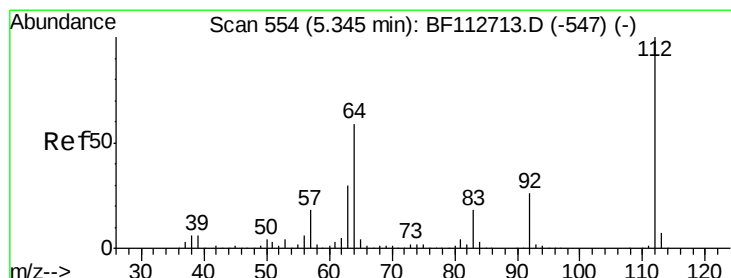
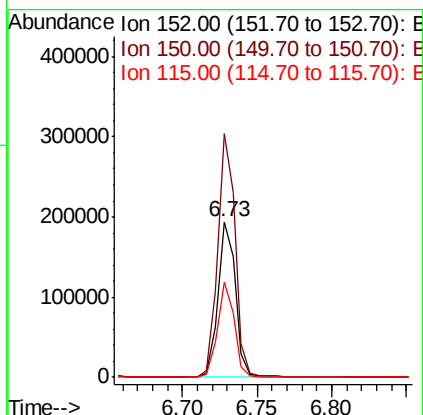
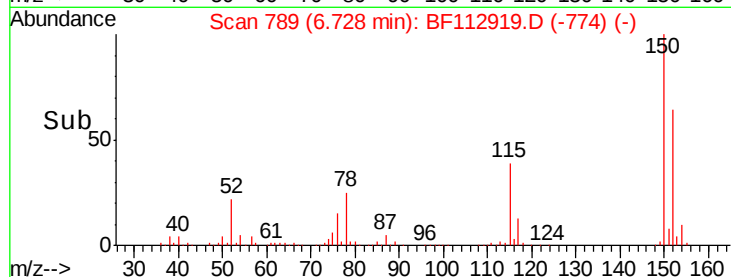
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112919.D
Acq: 7 Mar 2019 14:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 160048
Ion Ratio Lower Upper
152 100
150 156.4 124.2 186.2
115 61.3 48.2 72.4



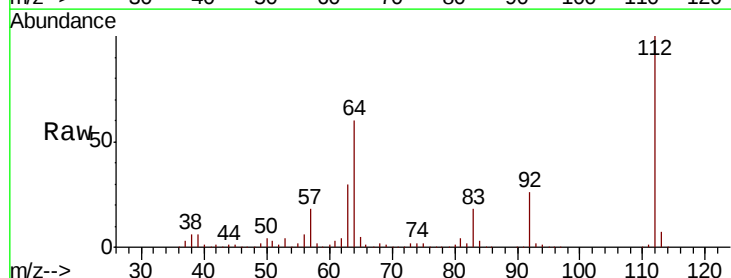
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



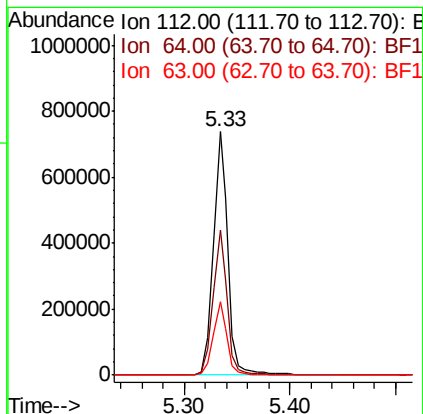
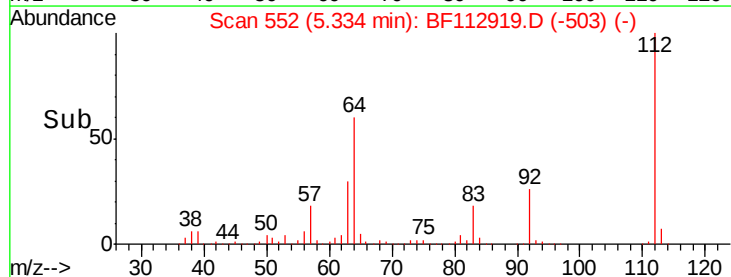
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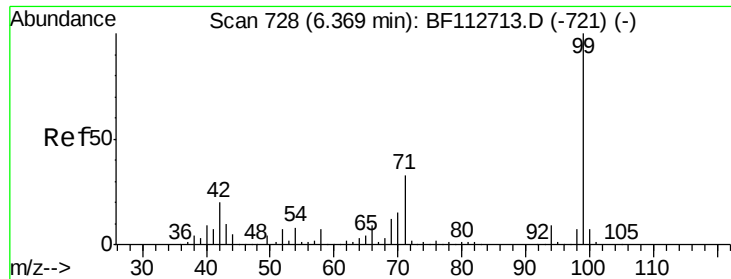
2-Fluorophenol
Concen: 70.247 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112919.D
Acq: 7 Mar 2019 14:18

Tgt Ion:112 Resp: 722763
Ion Ratio Lower Upper
112 100
64 59.7 47.6 71.4
63 29.9 24.4 36.6



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: 74.638 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112919.D

Acq: 7 Mar 2019 14:18

Instrument :

BNA_F

ClientSampled :

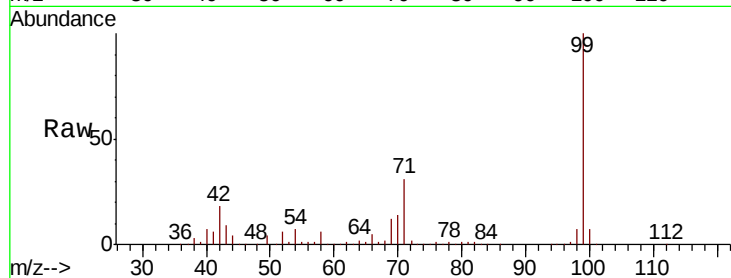
Tgt Ion: 99 Resp: 964662

Ion Ratio Lower Upper

99 100

42 17.9 16.3 24.5

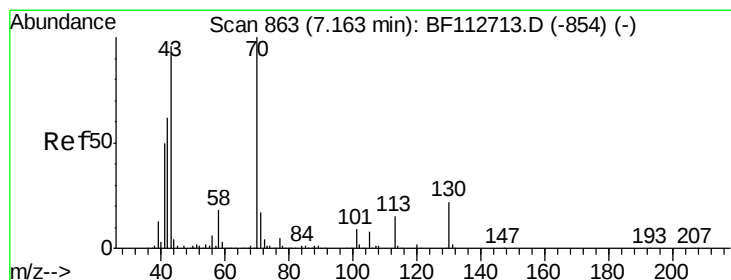
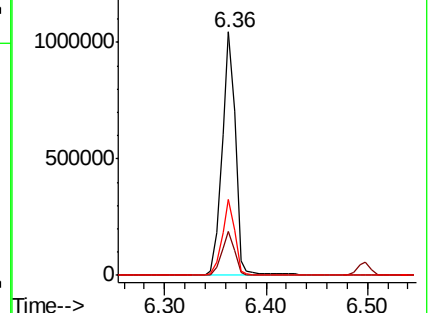
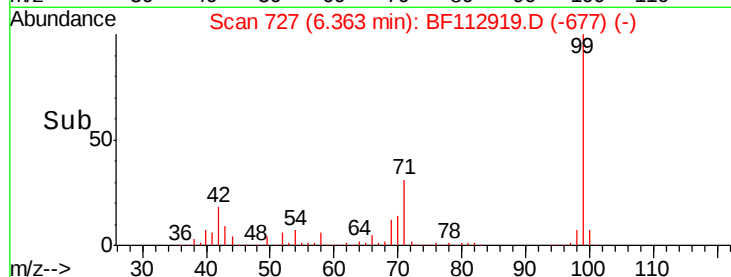
71 31.2 26.2 39.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.882 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF112919.D

Acq: 7 Mar 2019 14:18

Tgt Ion: 70 Resp: 72701

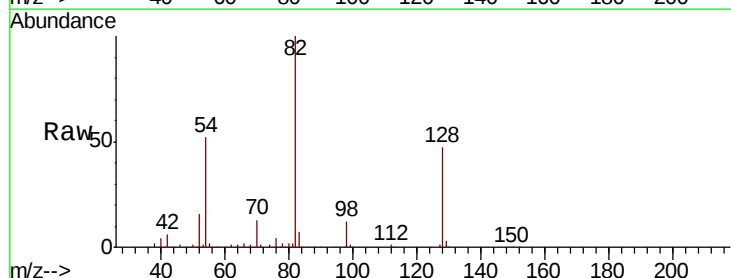
Ion Ratio Lower Upper

70 100

42 48.2 49.9 74.9#

101 0.0 7.4 11.2#

130 2.1 17.4 26.2#

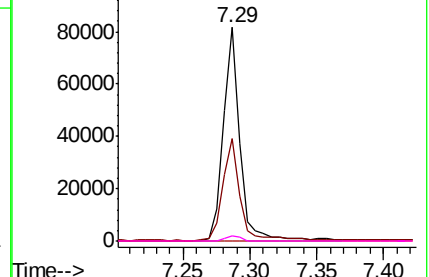
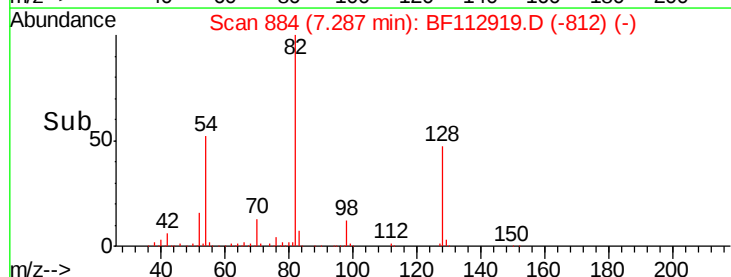


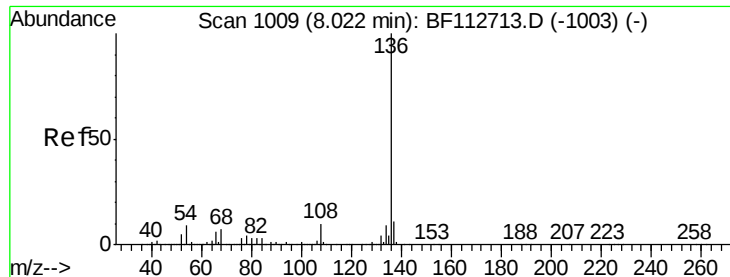
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

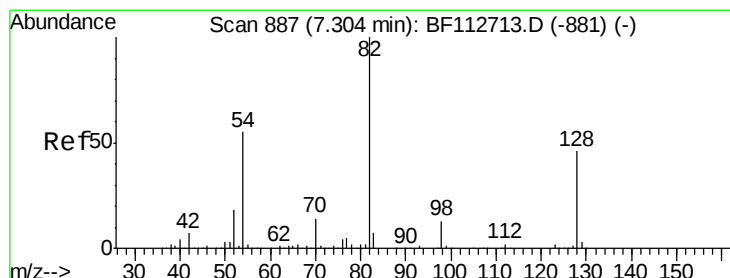
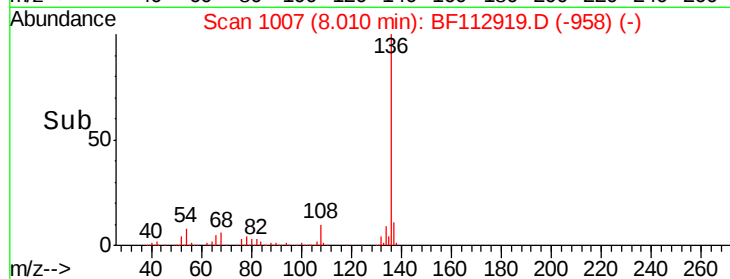
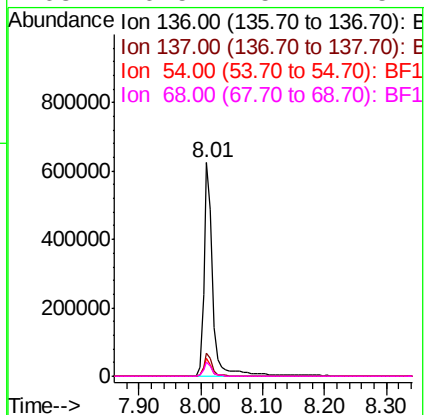
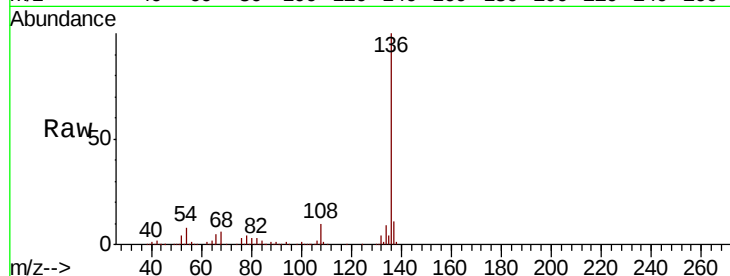




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112919.D
Acq: 7 Mar 2019 14:18

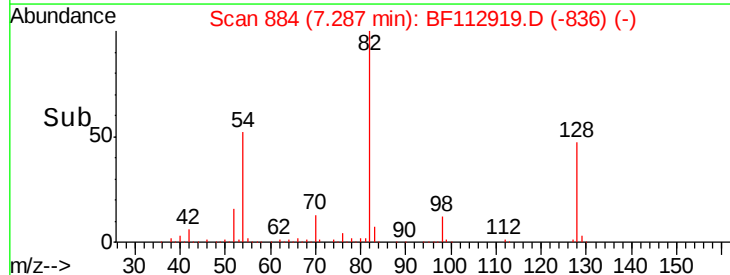
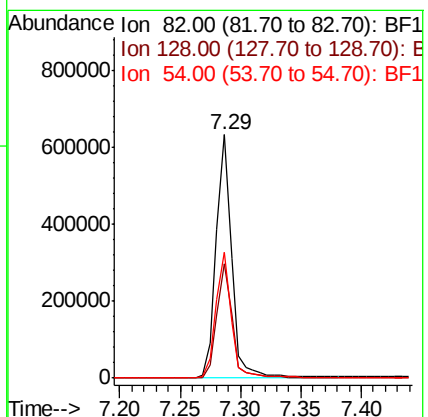
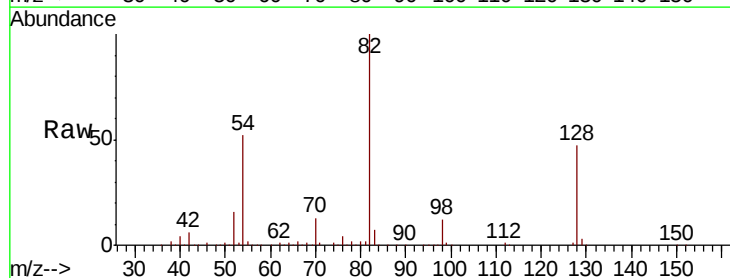
Instrument :
BNA_F
ClientSampleId :

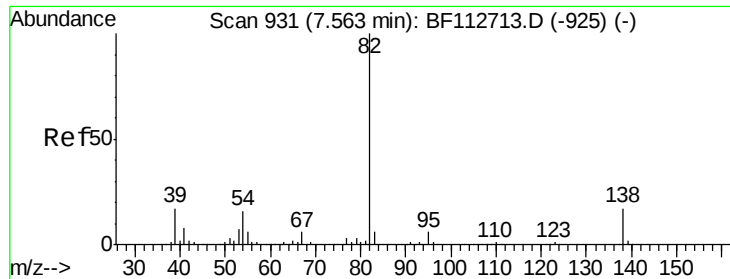
Tgt Ion:	136	Resp:	634168
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.4	7.3	10.9
68	6.5	5.4	8.2



#23
Nitrobenzene-d5
Concen: 53.358 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112919.D
Acq: 7 Mar 2019 14:18

Tgt Ion:	82	Resp:	565489
Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.3	54.5
54	51.8	43.7	65.5





#25

Isophorone

Concen: 24.767 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF112919.D

Acq: 7 Mar 2019 14:18

Instrument :

BNA_F

ClientSampleId :

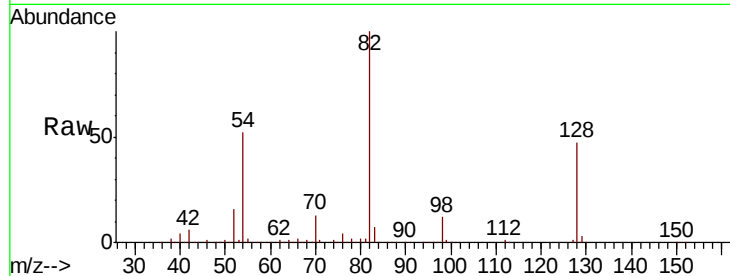
Tgt Ion: 82 Resp: 565482

Ion Ratio Lower Upper

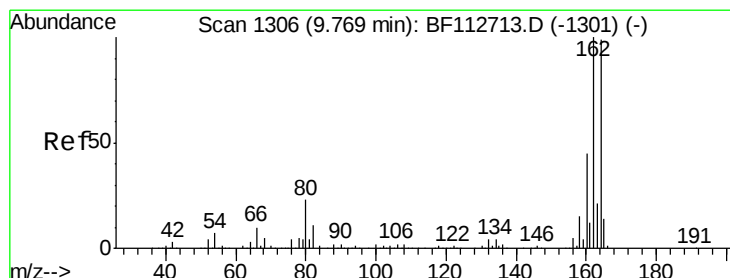
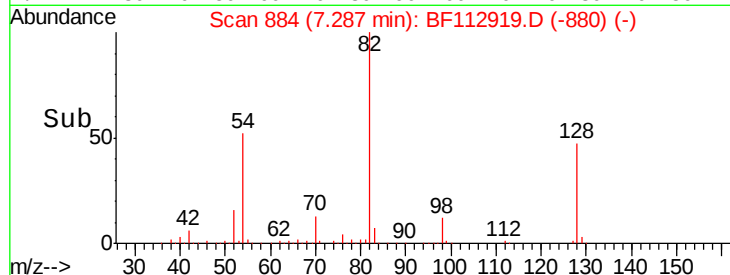
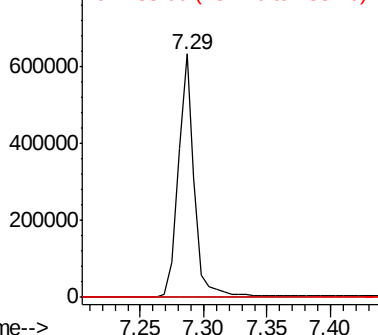
82 100

95 0.0 5.2 7.8#

138 0.0 13.8 20.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF112919.D

Acq: 7 Mar 2019 14:18

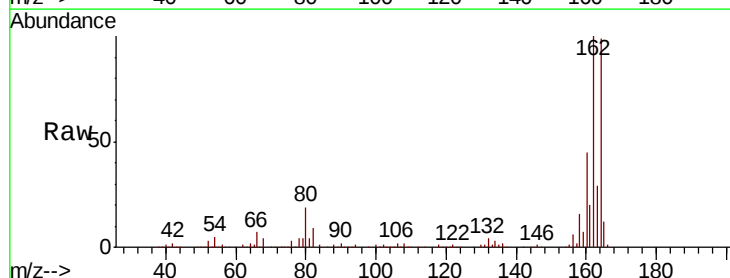
Tgt Ion: 164 Resp: 314268

Ion Ratio Lower Upper

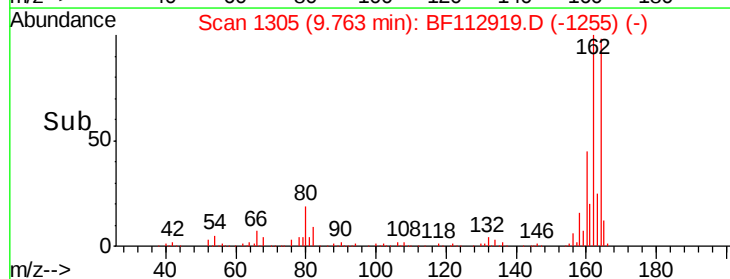
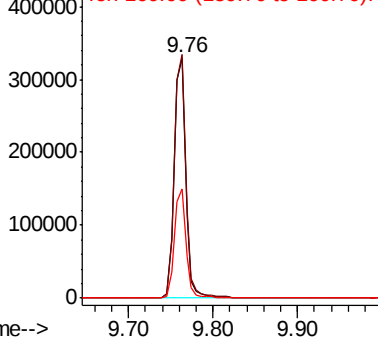
164 100

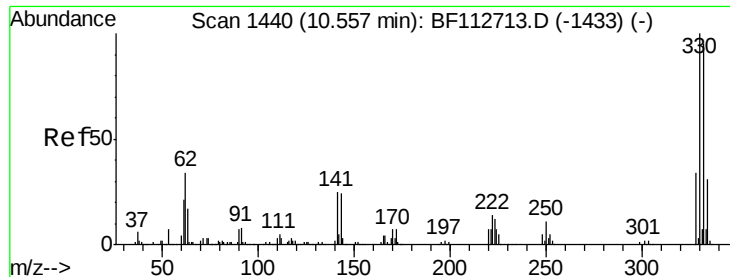
162 101.5 80.6 120.8

160 45.7 36.0 54.0



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





#42

2,4,6-Tribromophenol

Concen: 97.100 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF112919.D

Acq: 7 Mar 2019 14:18

Instrument :

BNA_F

ClientSampleId :

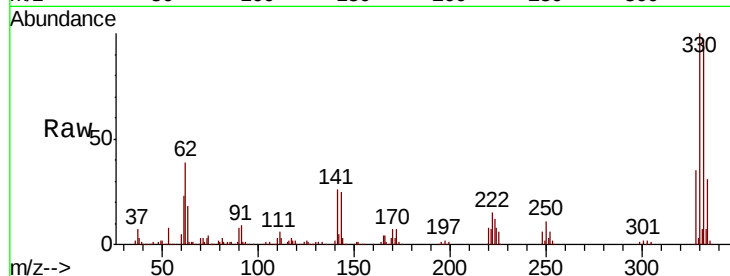
Tgt Ion:330 Resp: 323959

Ion Ratio Lower Upper

330 100

332 96.8 76.2 114.4

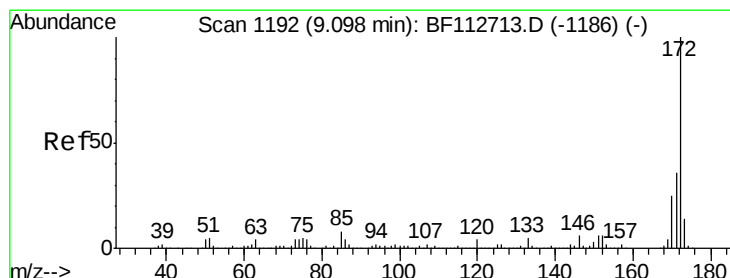
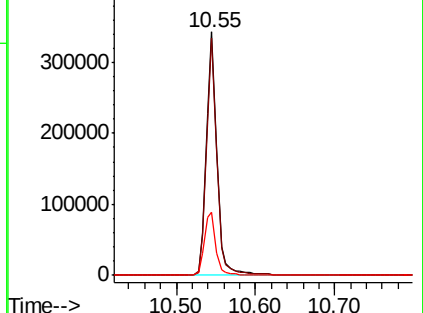
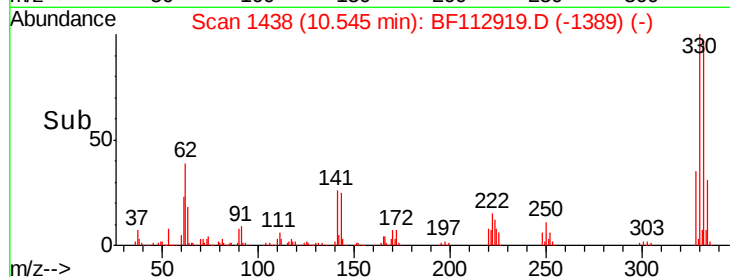
141 28.2 27.0 40.6



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: 53.735 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF112919.D

Acq: 7 Mar 2019 14:18

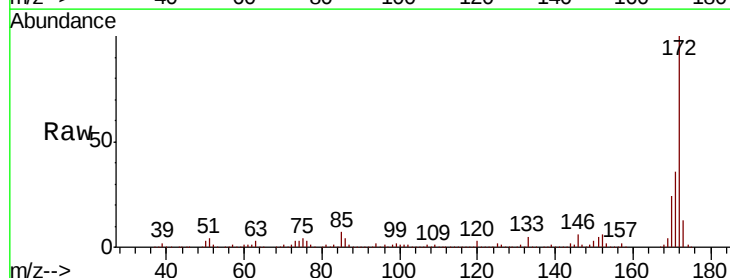
Tgt Ion:172 Resp: 1123471

Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.4

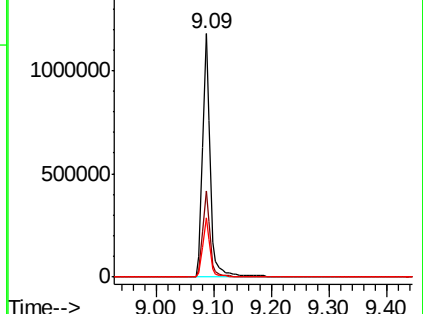
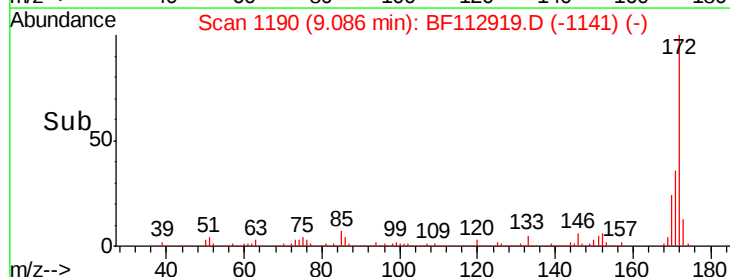
170 24.3 20.0 30.0

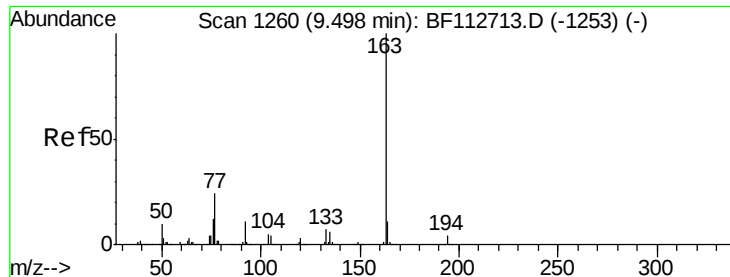


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

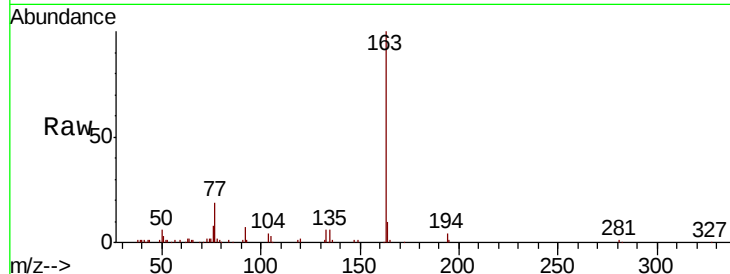




#50
Dimethylphthalate
Concen: 4.114 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112919.D
Acq: 7 Mar 2019 14:18

Instrument :
BNA_F
ClientSampled :

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.7	8.4	12.6

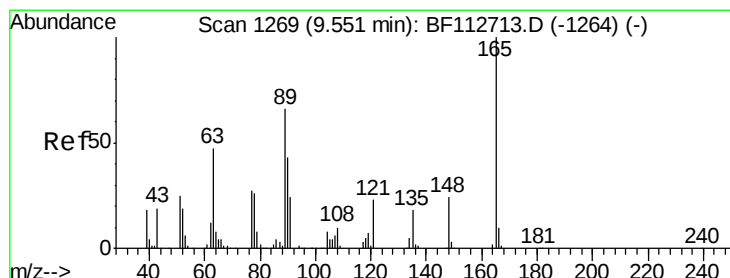
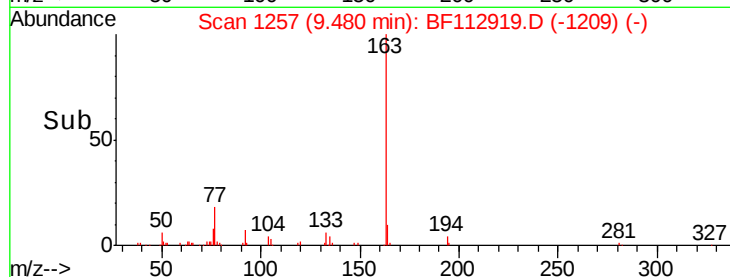
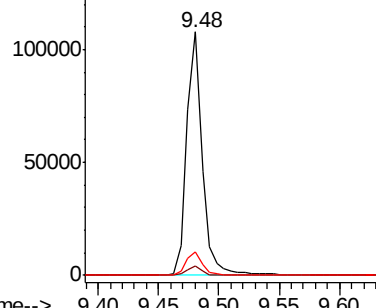


Abundance

Ion 163.00 (162.70 to 163.70): E

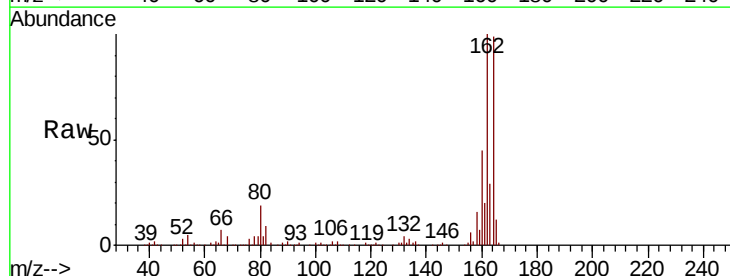
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 8.272 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.21 min
Lab File: BF112919.D
Acq: 7 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	54.1	81.1#
89	1.3	52.8	79.2#

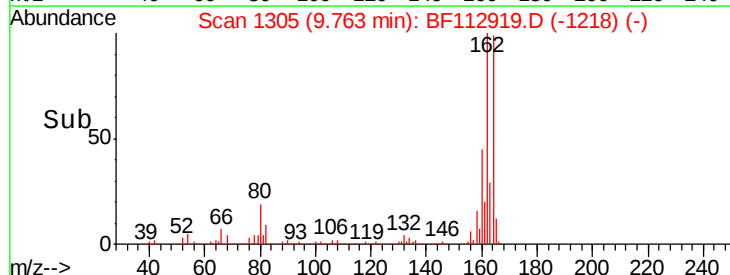
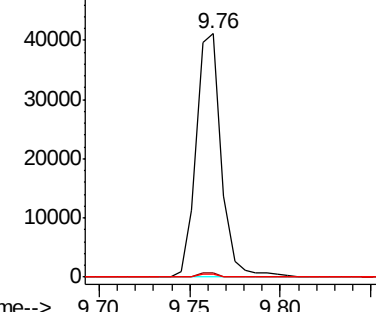


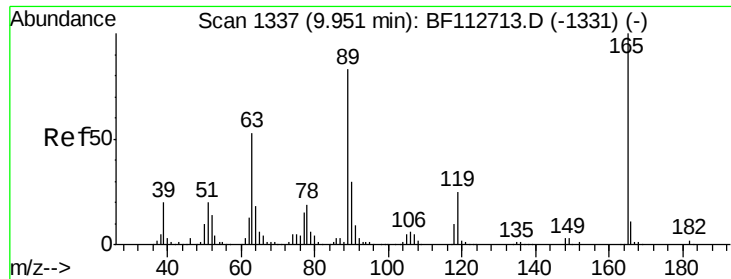
Abundance

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

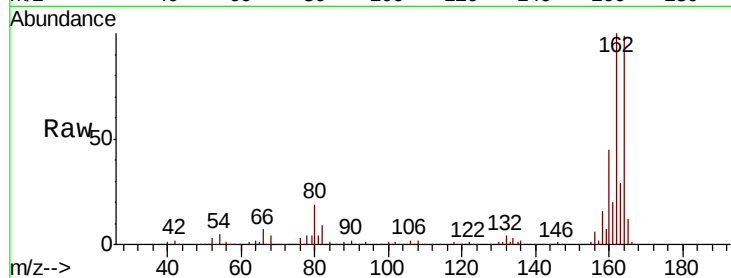




#57
 2,4-Dinitrotoluene
 Concen: 6.655 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF112919.D
 Acq: 7 Mar 2019 14:18

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	42.2	63.2#
89	1.3	66.2	99.4#
182	0.0	1.8	2.6#



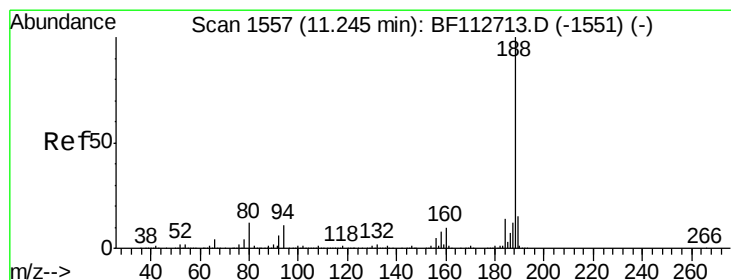
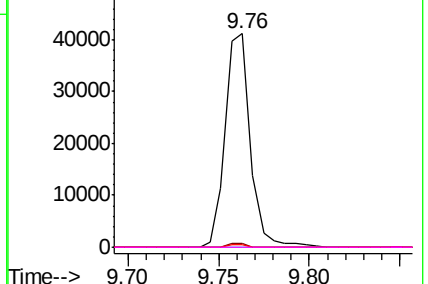
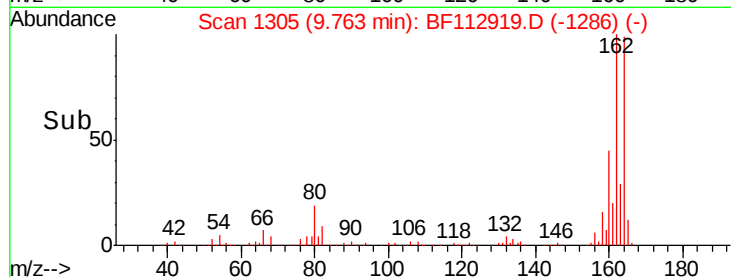
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

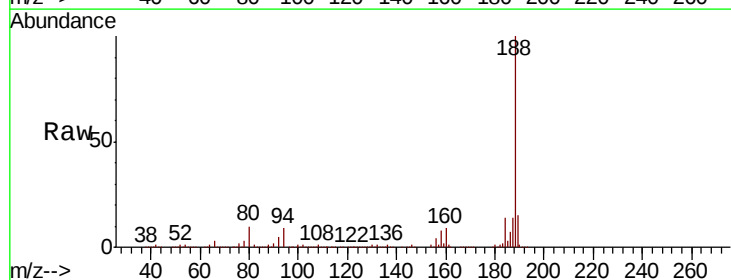
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF112919.D
 Acq: 7 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.0	13.4
80	9.7	9.2	13.8

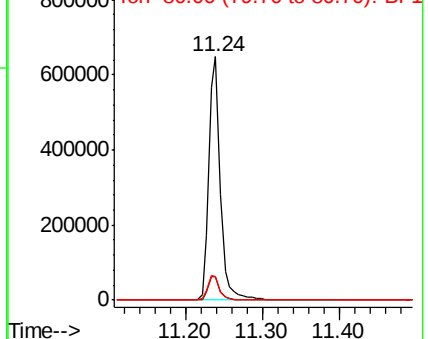
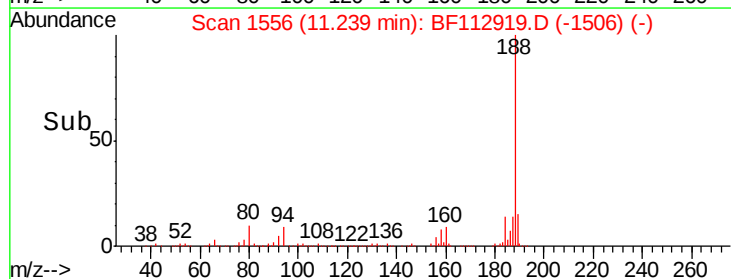


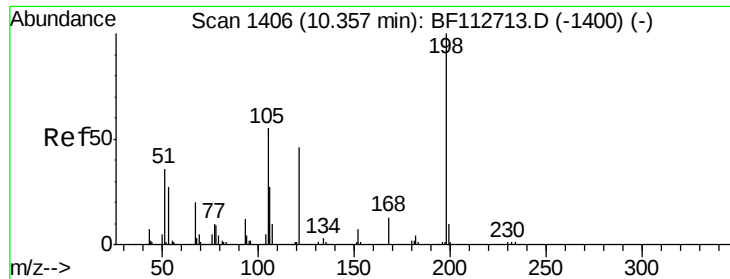
Abundance

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

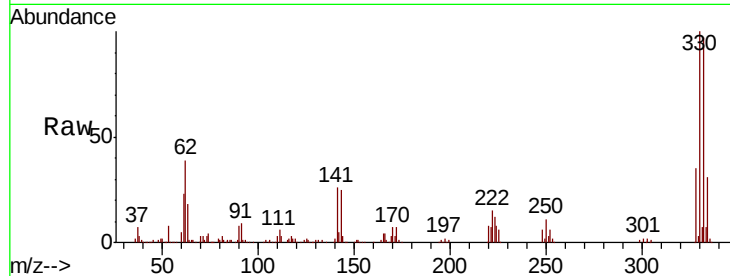




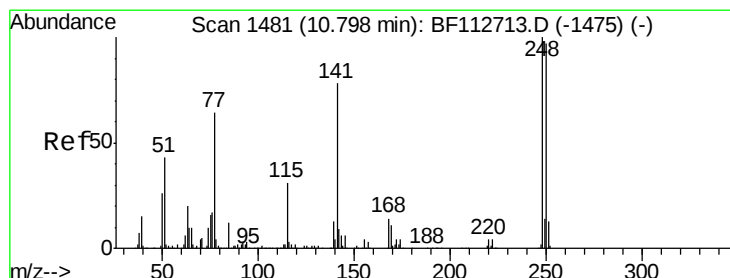
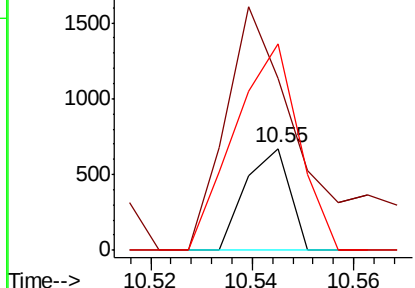
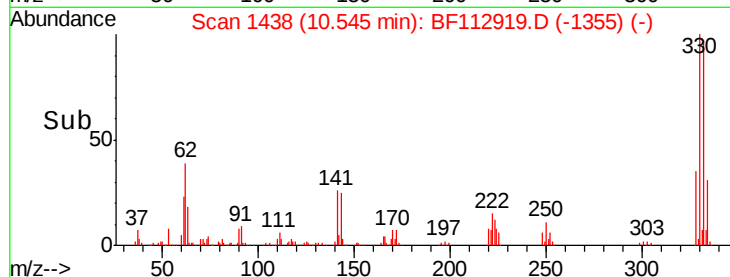
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.749 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF112919.D
 Acq: 7 Mar 2019 14:18

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion:198 Resp: 412
 Ion Ratio Lower Upper
 198 100
 51 167.9 43.8 83.8#
 105 201.9 36.5 76.5#

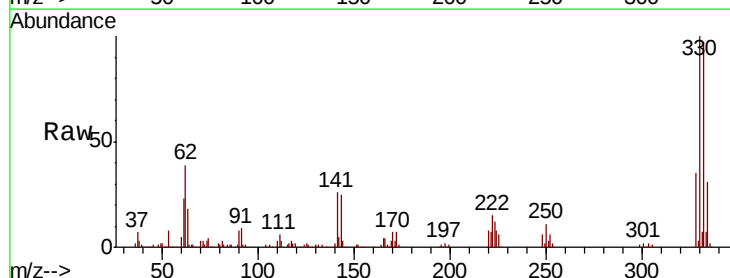


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

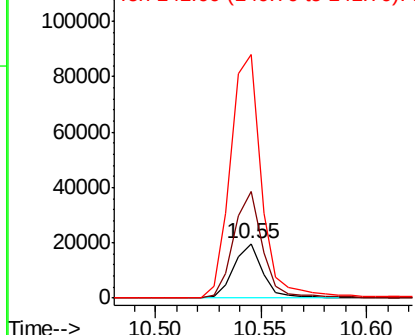
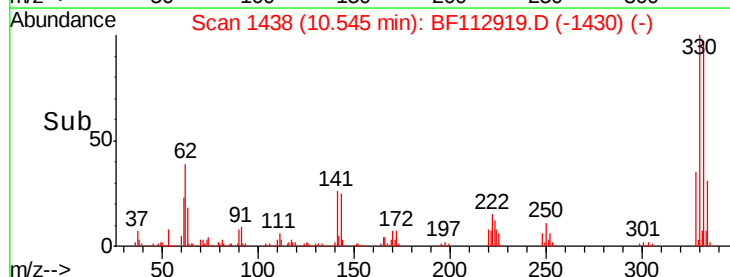


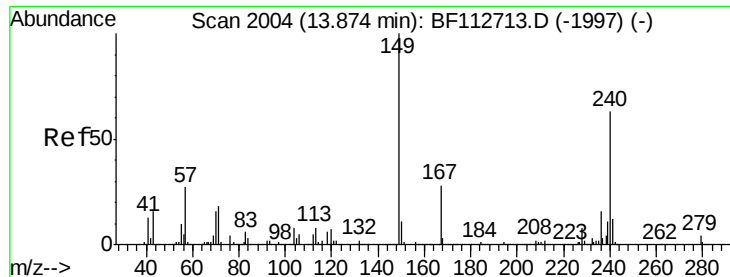
#67
 4-Bromophenyl-phenylether
 Concen: 2.645 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112919.D
 Acq: 7 Mar 2019 14:18

Tgt Ion:248 Resp: 18531
 Ion Ratio Lower Upper
 248 100
 250 196.1 77.5 116.3#
 141 447.5 62.4 93.6#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF112919.D

Acq: 7 Mar 2019 14:18

Instrument :

BNA_F

ClientSampled :

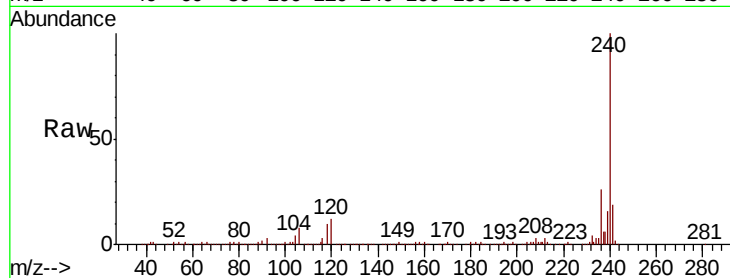
Tgt Ion:240 Resp: 650659

Ion Ratio Lower Upper

240 100

120 11.5 8.9 13.3

236 26.3 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

800000

600000

400000

200000

0

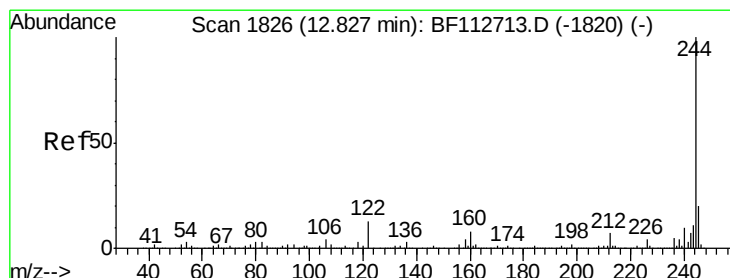
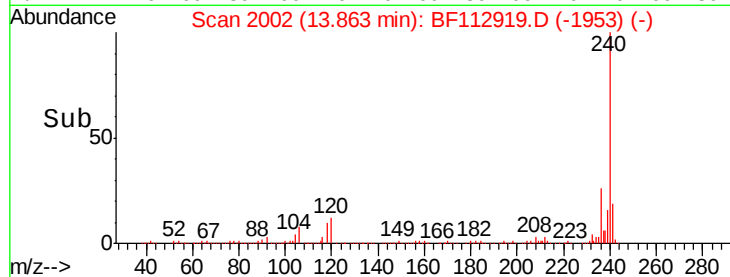
13.86

13.80

13.90

14.00

Time-->



#79

Terphenyl-d14

Concen: 39.159 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF112919.D

Acq: 7 Mar 2019 14:18

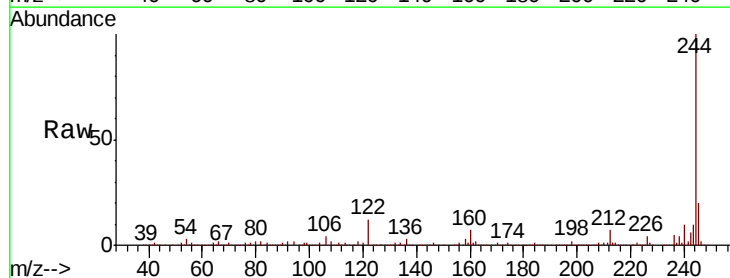
Tgt Ion:244 Resp: 1314390

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.9 10.5 15.7



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

1500000

1000000

500000

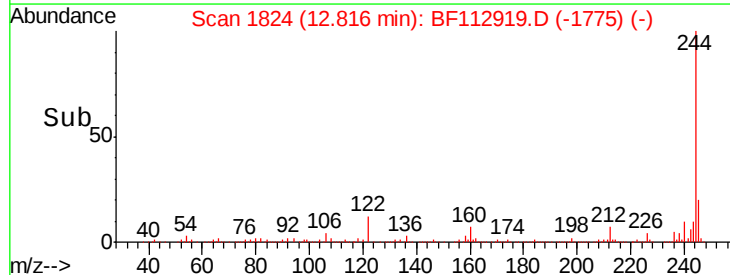
0

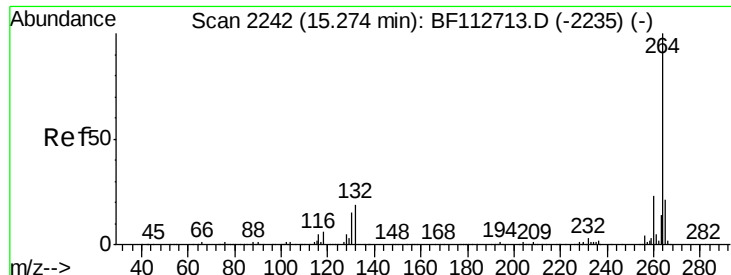
12.82

12.80

12.90

Time-->

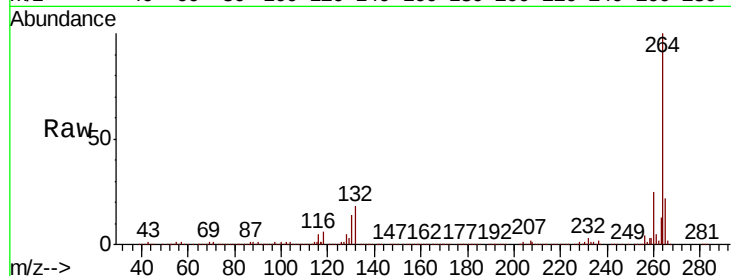




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112919.D
Acq: 7 Mar 2019 14:18

Instrument :
BNA_F
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.7	28.1
265	21.6	17.2	25.8



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

