

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030719\
 Data File : BF112924.D
 Acq On : 7 Mar 2019 16:35
 Operator : JU/SJ
 Sample : K1760-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 08 00:20:07 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

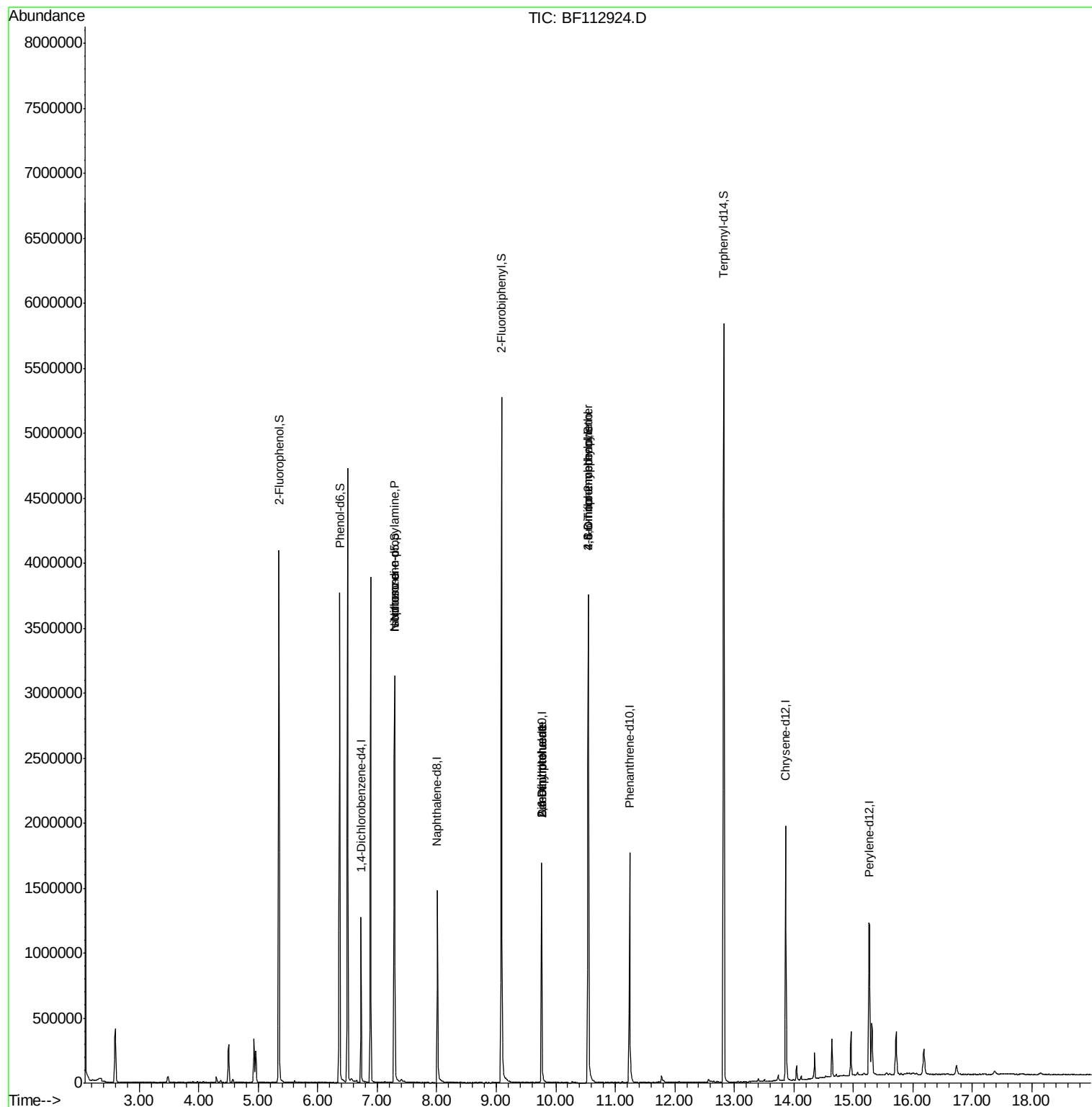
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	199940	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	765288	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	381409	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	817269	20.00	ng	0.00
76) Chrysene-d12	13.86	240	742470	20.00	ng	-0.01
87) Perylene-d12	15.27	264	646824	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1185495	92.23	ng	0.00
7) Phenol-d6	6.37	99	1376408	85.25	ng	0.00
23) Nitrobenzene-d5	7.29	82	1065727	83.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	576196	142.30	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1995301	87.30	ng	0.00
79) Terphenyl-d14	12.82	244	2376521	62.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	139503	13.642	ng	# 75
25) Isophorone	7.29	82	1059740	38.462	ng	# 66
50) Dimethylphthalate	9.76	163	97155	3.455	ng	# 1
51) 2,6-Dinitrotoluene	9.76	165	48488	8.280	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	48480	6.660	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.55	198	1027	4.889	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	32035	3.721	ng	# 1

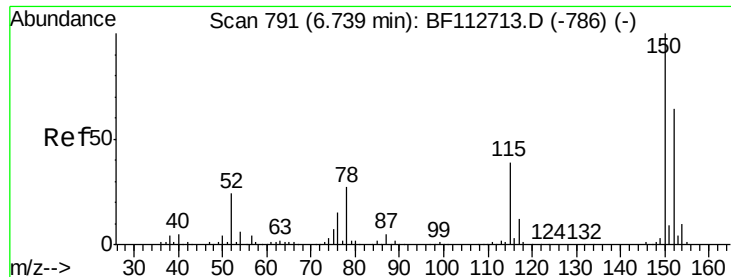
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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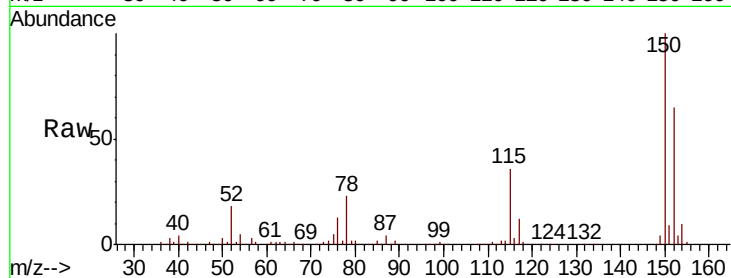


#1

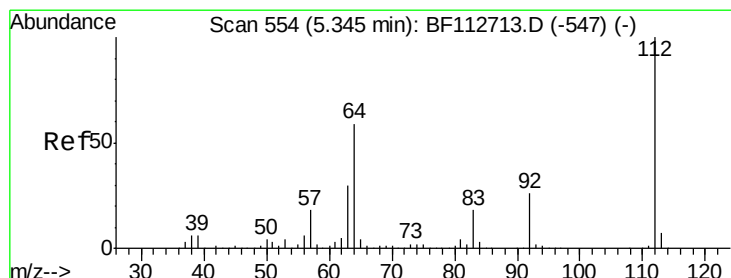
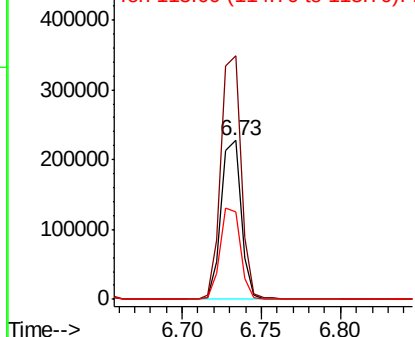
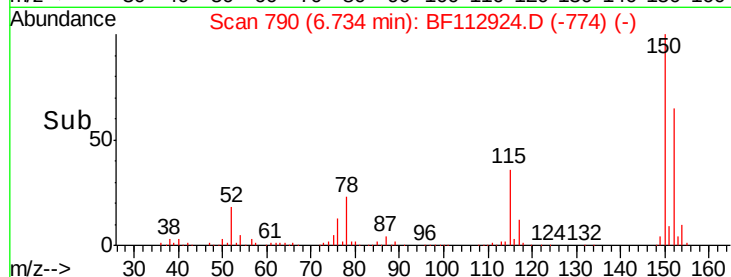
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF112924.D
Acq: 7 Mar 2019 16:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 199940
Ion Ratio Lower Upper
152 100
150 153.3 124.2 186.2
115 55.2 48.2 72.4



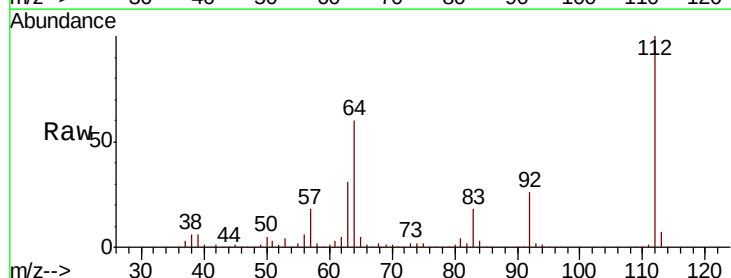
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



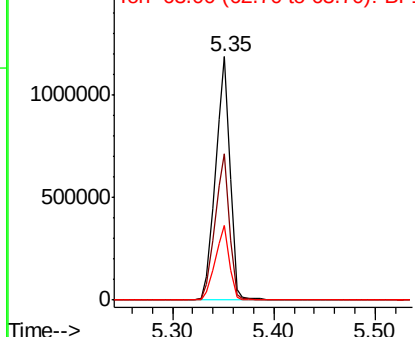
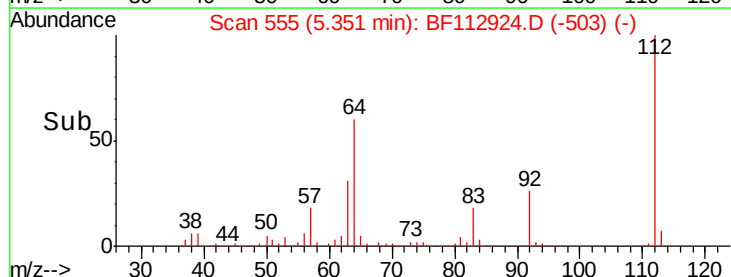
#5

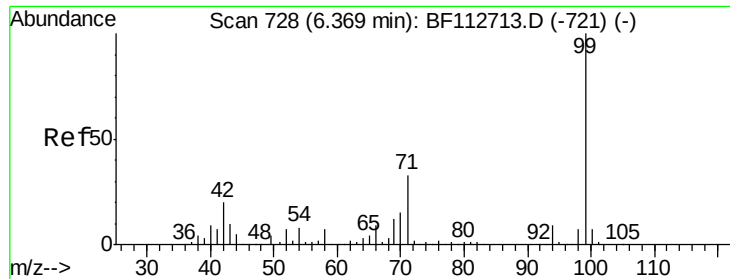
2-Fluorophenol
Concen: 92.232 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112924.D
Acq: 7 Mar 2019 16:35

Tgt Ion:112 Resp: 1185495
Ion Ratio Lower Upper
112 100
64 60.2 47.6 71.4
63 30.6 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: 85.248 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112924.D

Acq: 7 Mar 2019 16:35

Instrument :

BNA_F

ClientSampleId :

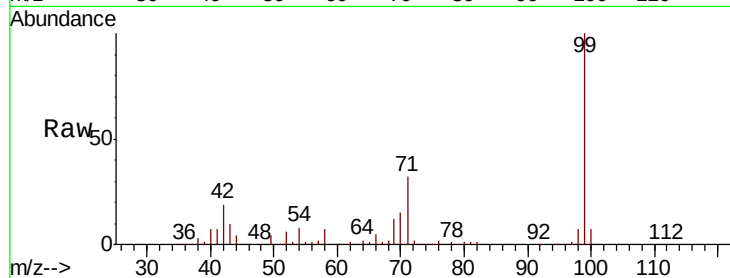
Tgt Ion: 99 Resp: 1376408

Ion Ratio Lower Upper

99 100

42 18.7 16.3 24.5

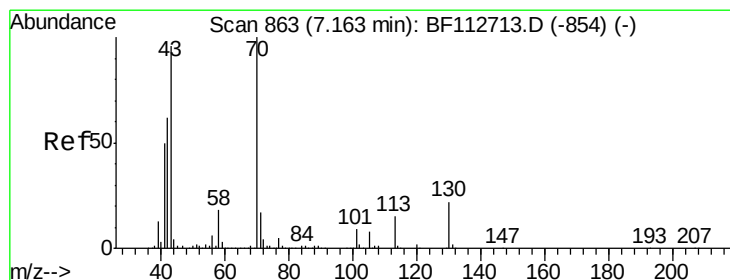
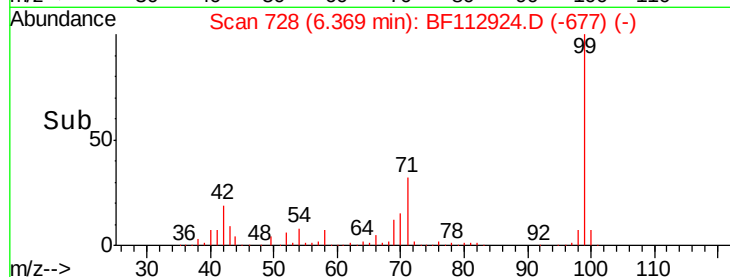
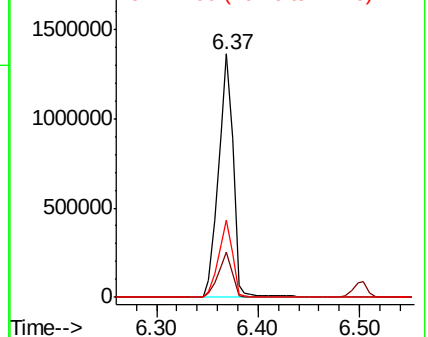
71 31.7 26.2 39.4



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: 13.642 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.13 min

Lab File: BF112924.D

Acq: 7 Mar 2019 16:35

Tgt Ion: 70 Resp: 139503

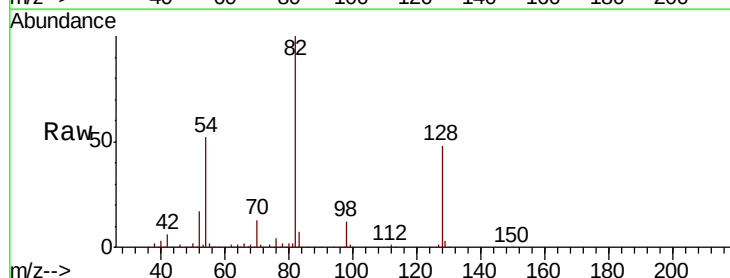
Ion Ratio Lower Upper

70 100

42 48.1 49.9 74.9#

101 0.0 7.4 11.2#

130 2.1 17.4 26.2#

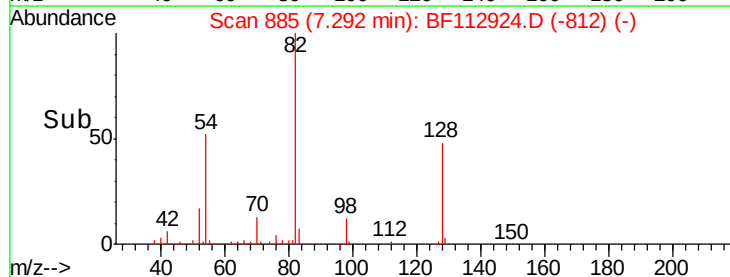
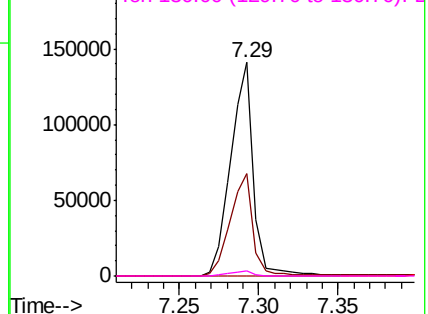


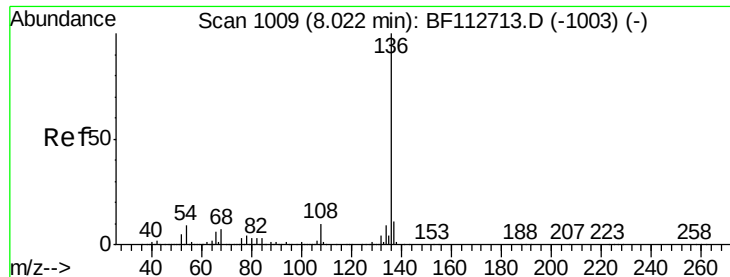
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

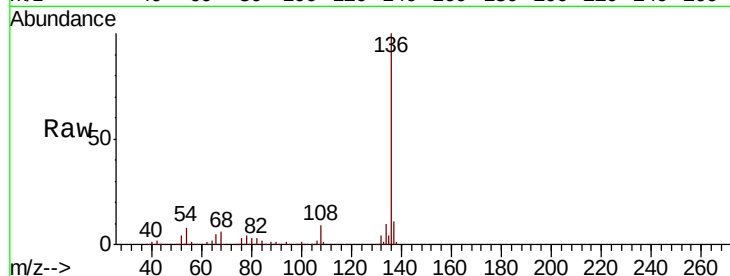




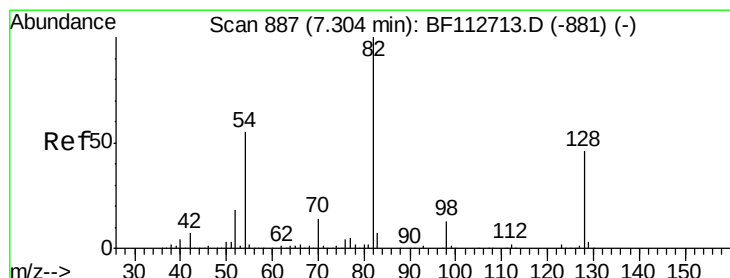
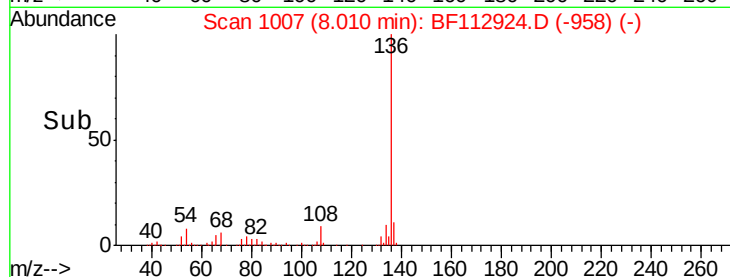
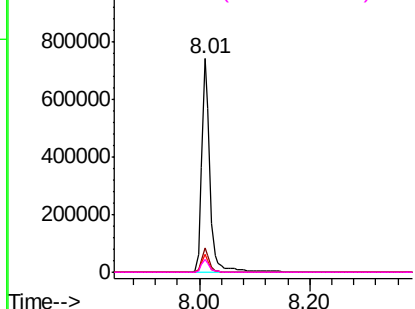
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112924.D
Acq: 7 Mar 2019 16:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:	136	Resp:	765288
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.5	7.3	10.9
68	6.3	5.4	8.2

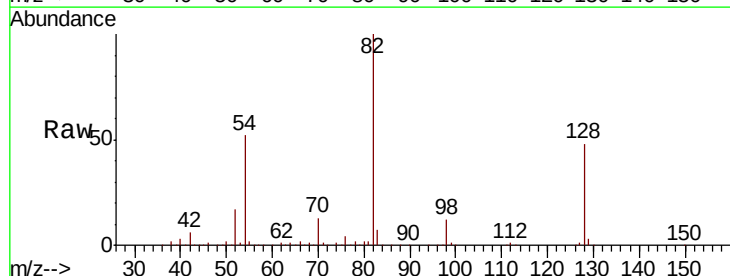


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

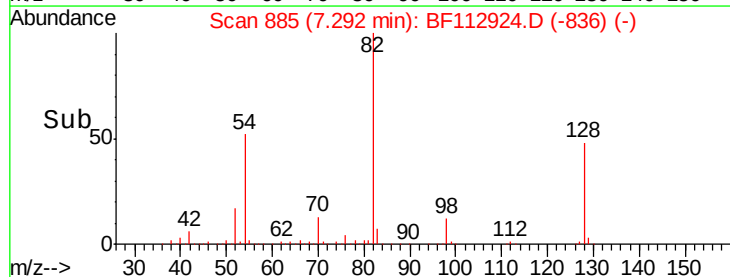
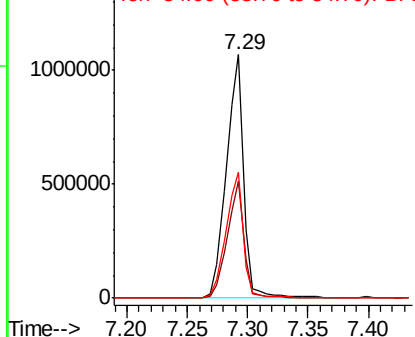


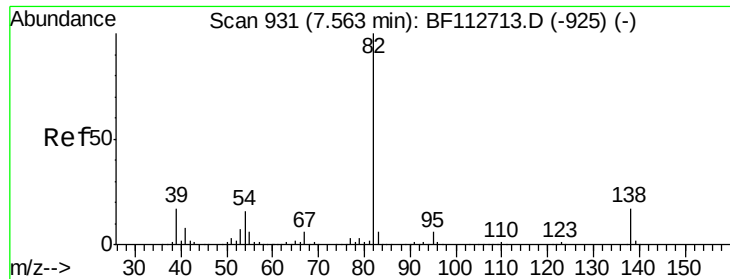
#23
Nitrobenzene-d5
Concen: 83.329 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112924.D
Acq: 7 Mar 2019 16:35

Tgt Ion:	82	Resp:	1065727
Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.3	54.5
54	51.7	43.7	65.5



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: 38.462 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF112924.D

Acq: 7 Mar 2019 16:35

Instrument :

BNA_F

ClientSampleId :

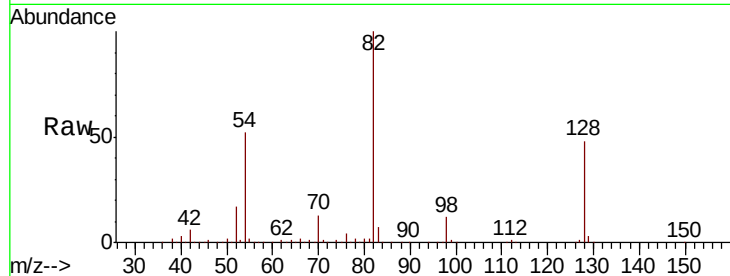
Tgt Ion: 82 Resp: 1059740

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

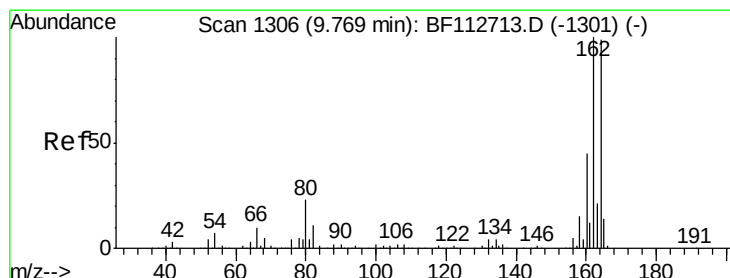
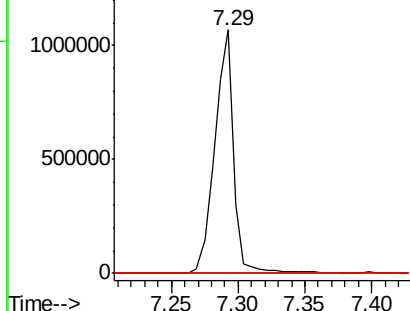
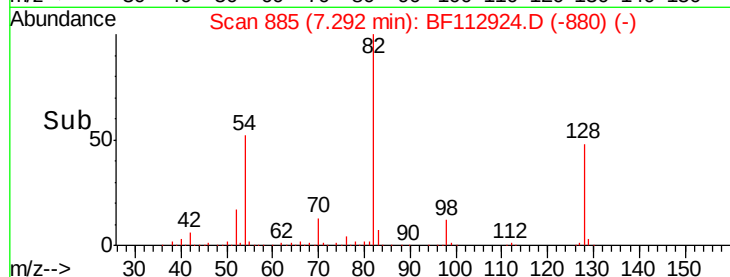
138 0.0 13.8 20.8#



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: BF112924.D

Acq: 7 Mar 2019 16:35

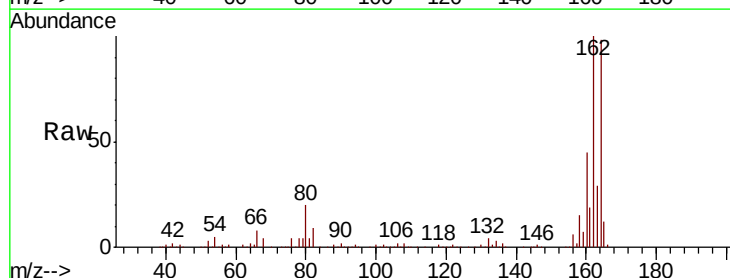
Tgt Ion: 164 Resp: 381409

Ion Ratio Lower Upper

164 100

162 102.4 80.6 120.8

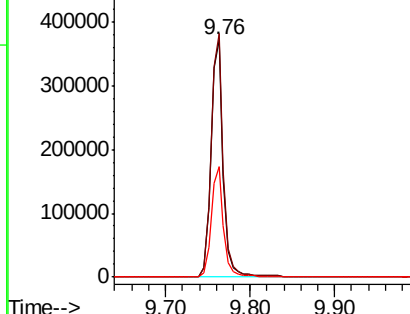
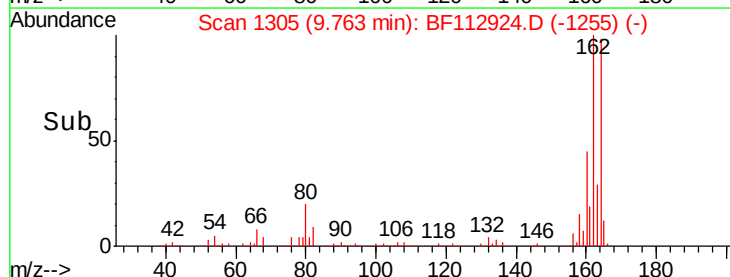
160 46.5 36.0 54.0

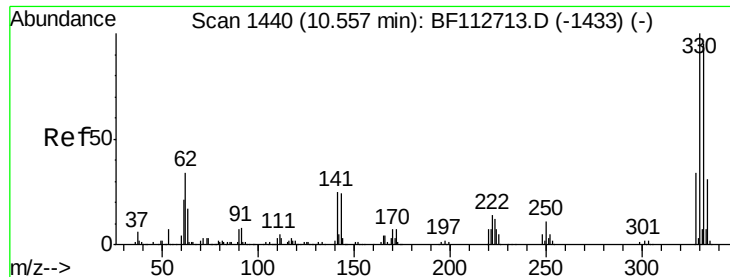


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 142.301 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF112924.D

Acq: 7 Mar 2019 16:35

Instrument :

BNA_F

ClientSampleId :

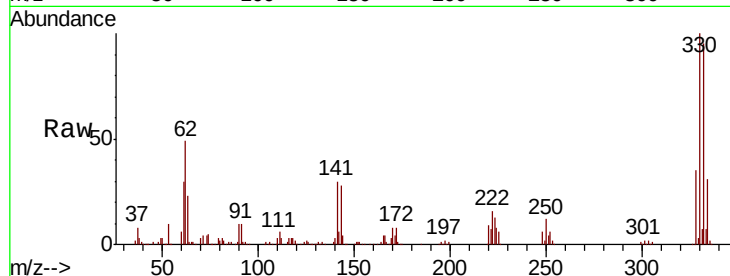
Tgt Ion:330 Resp: 576196

Ion Ratio Lower Upper

330 100

332 95.8 76.2 114.4

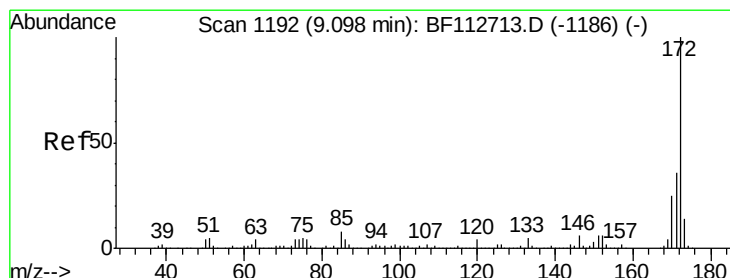
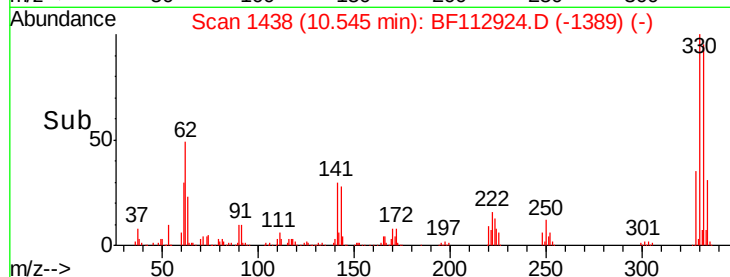
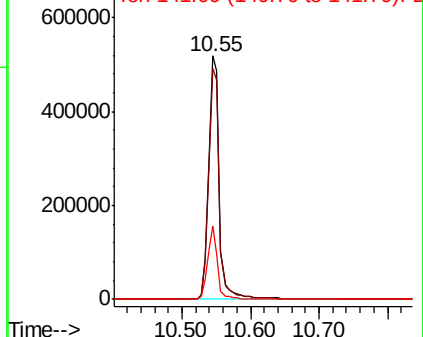
141 27.8 27.0 40.6



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: 87.302 ng

RT: 9.09 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF112924.D

Acq: 7 Mar 2019 16:35

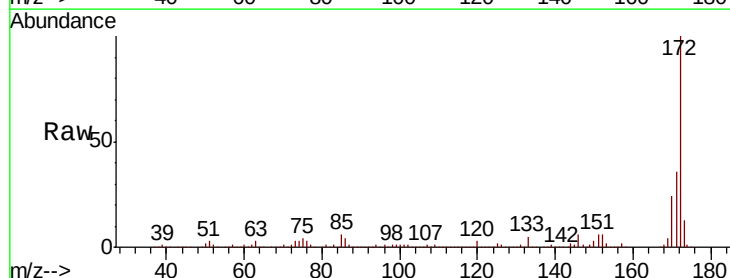
Tgt Ion:172 Resp: 1995301

Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.4

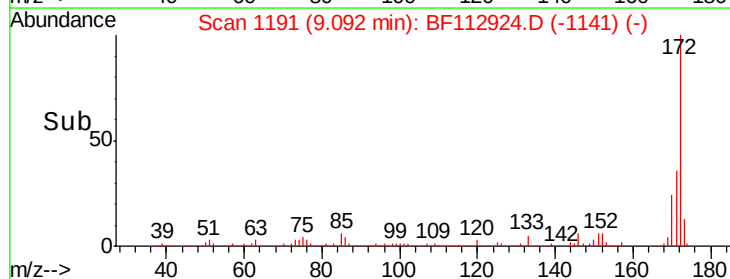
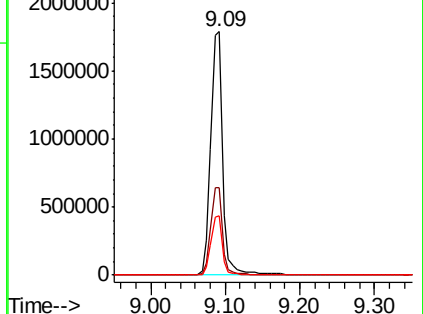
170 24.5 20.0 30.0

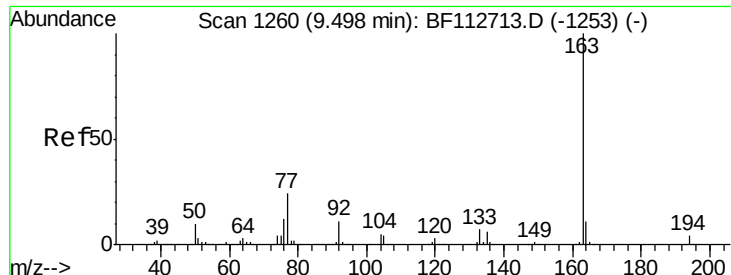


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.455 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.26 min

Lab File: BF112924.D

Acq: 7 Mar 2019 16:35

Instrument :

BNA_F

ClientSampled :

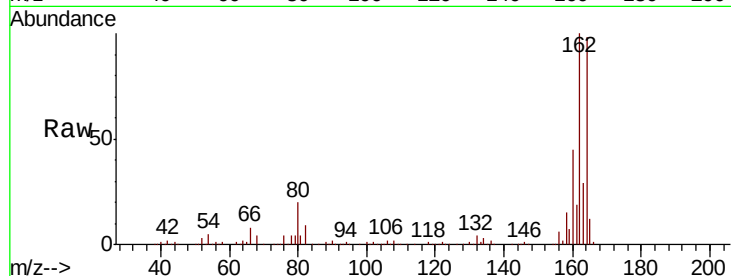
Tgt Ion:163 Resp: 97155

Ion Ratio Lower Upper

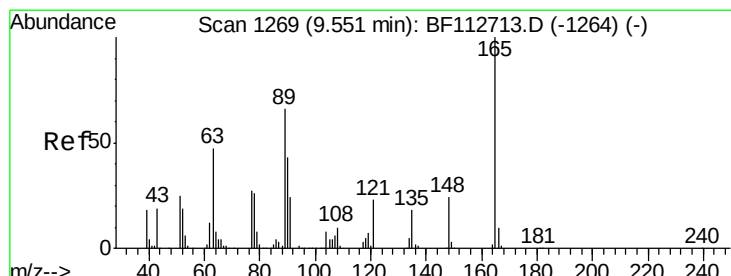
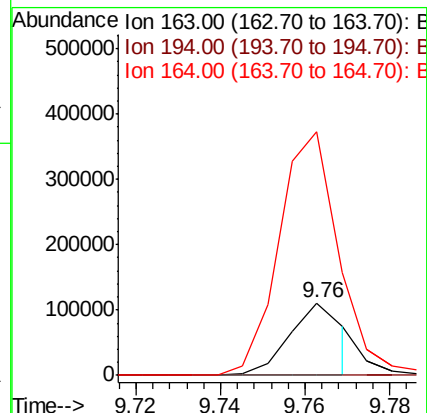
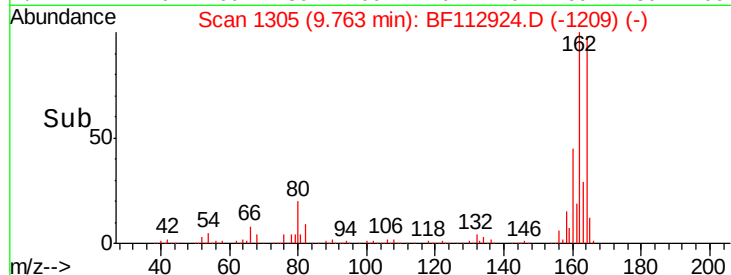
163 100

194 0.0 3.0 4.4#

164 337.4 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: 8.280 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF112924.D

Acq: 7 Mar 2019 16:35

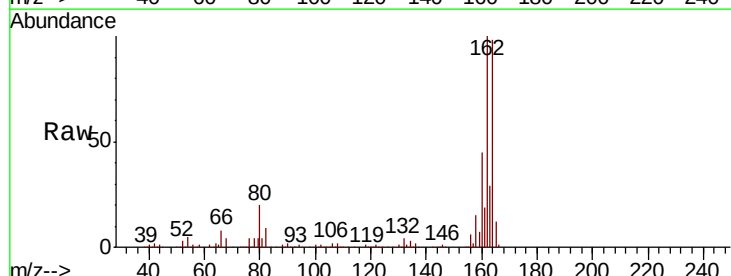
Tgt Ion:165 Resp: 48488

Ion Ratio Lower Upper

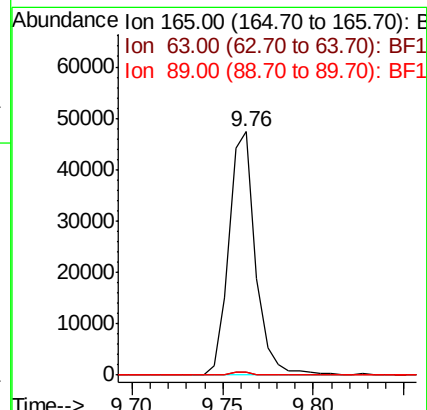
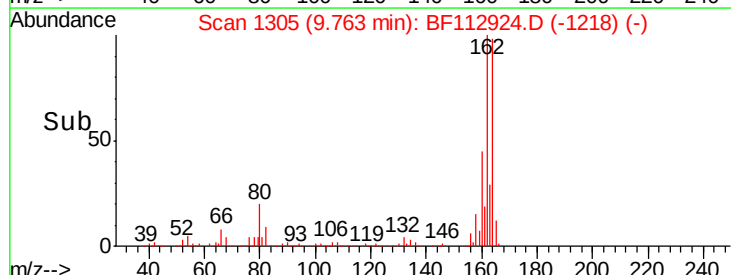
165 100

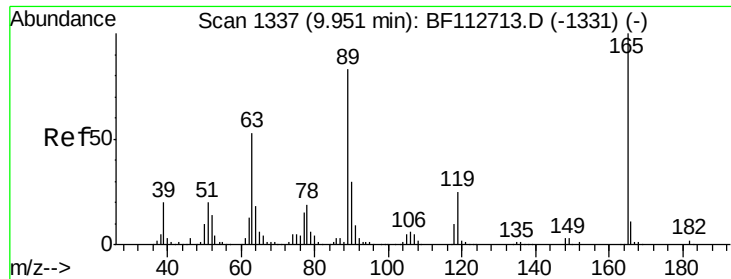
63 1.0 54.1 81.1#

89 1.4 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

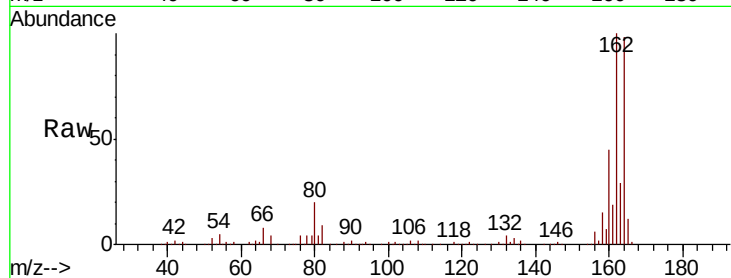




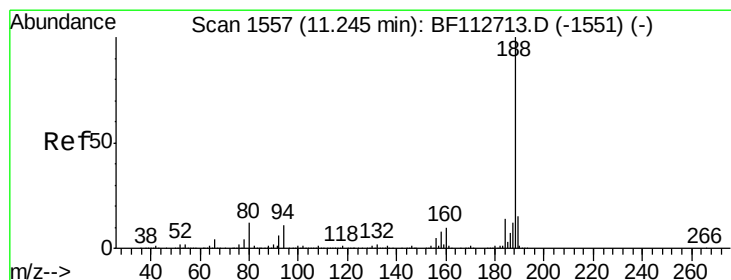
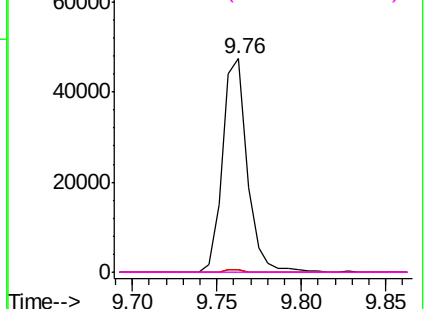
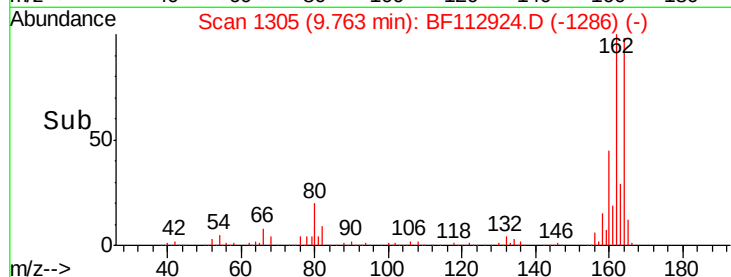
#57
 2,4-Dinitrotoluene
 Concen: 6.660 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF112924.D
 Acq: 7 Mar 2019 16:35

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:165 Resp: 48480
 Ion Ratio Lower Upper
 165 100
 63 1.0 42.2 63.2#
 89 1.4 66.2 99.4#
 182 0.0 1.8 2.6#

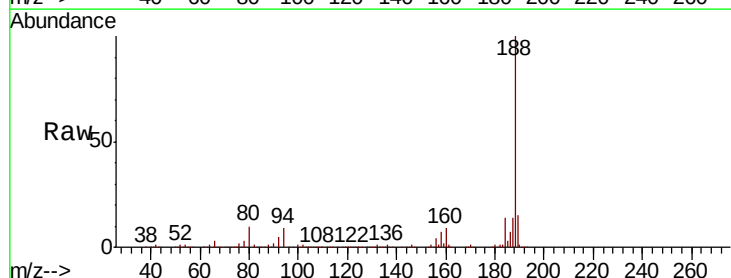


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

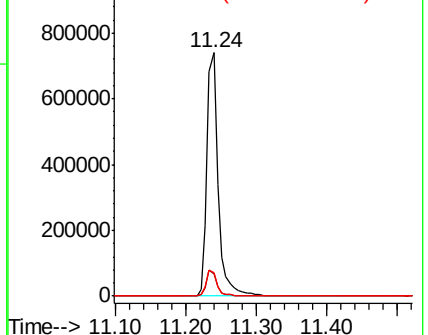
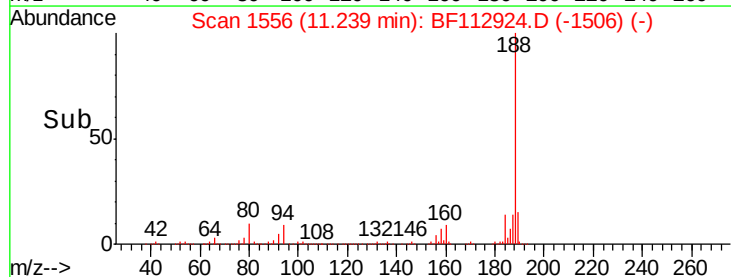


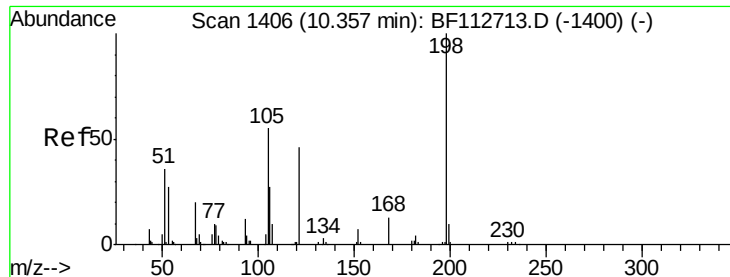
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF112924.D
 Acq: 7 Mar 2019 16:35

Tgt Ion:188 Resp: 817269
 Ion Ratio Lower Upper
 188 100
 94 9.2 9.0 13.4
 80 9.6 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: 4.889 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF112924.D

Acq: 7 Mar 2019 16:35

Instrument :

BNA_F

ClientSampled :

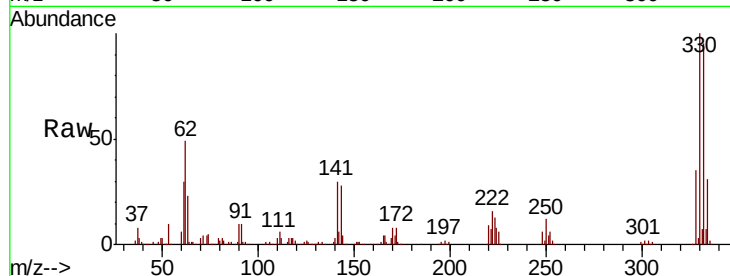
Tgt Ion:198 Resp: 1027

Ion Ratio Lower Upper

198 100

51 193.9 43.8 83.8#

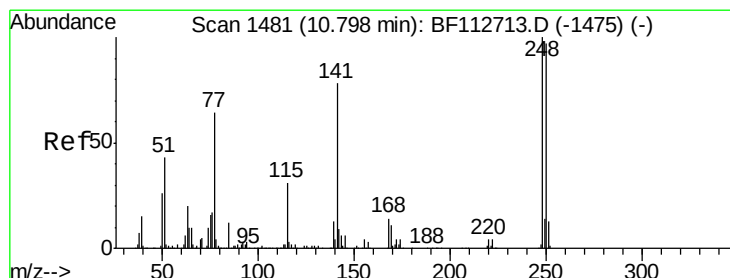
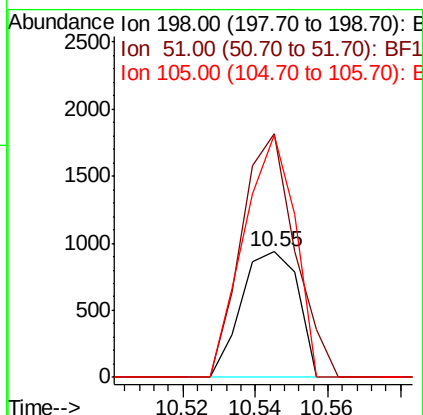
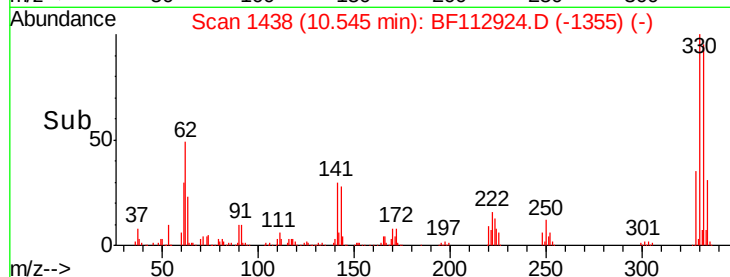
105 193.3 36.5 76.5#



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: 3.721 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.25 min

Lab File: BF112924.D

Acq: 7 Mar 2019 16:35

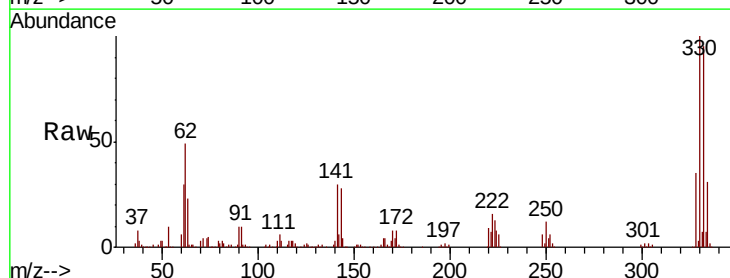
Tgt Ion:248 Resp: 32035

Ion Ratio Lower Upper

248 100

250 200.4 77.5 116.3#

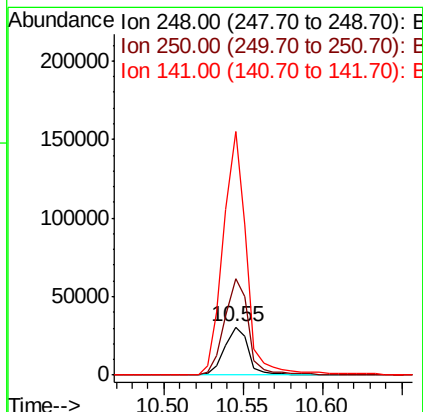
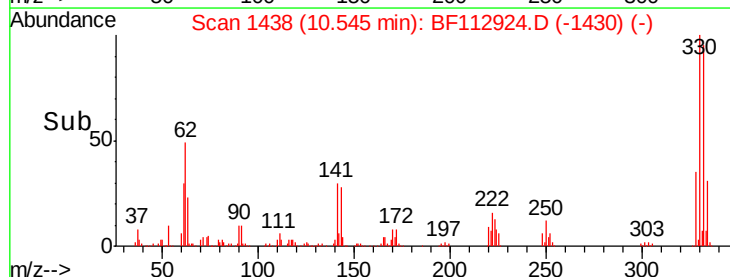
141 509.0 62.4 93.6#

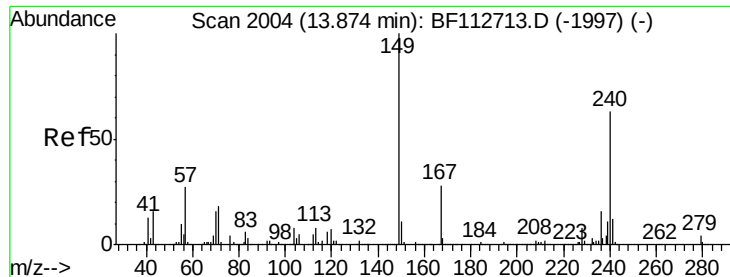


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF112924.D

Acq: 7 Mar 2019 16:35

Instrument :

BNA_F

ClientSampled :

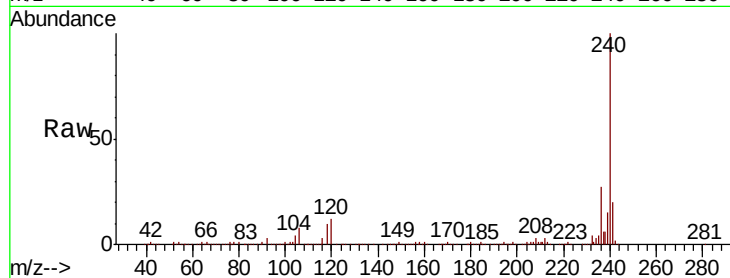
Tgt Ion:240 Resp: 742470

Ion Ratio Lower Upper

240 100

120 11.9 8.9 13.3

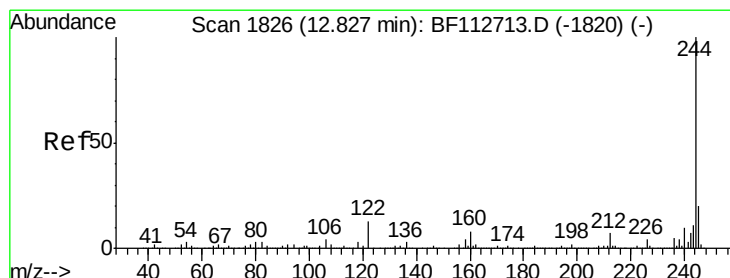
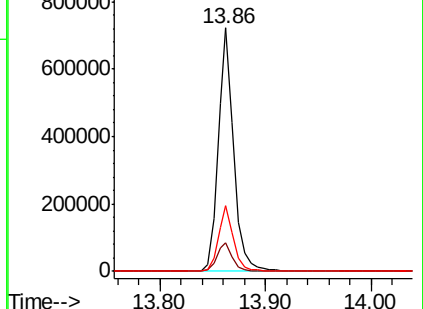
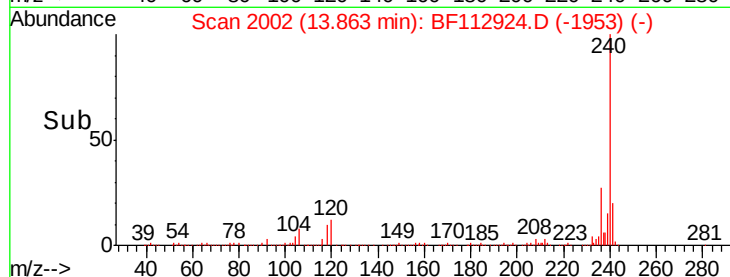
236 26.9 20.7 31.1



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



#79

Terphenyl-d14

Concen: 62.048 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112924.D

Acq: 7 Mar 2019 16:35

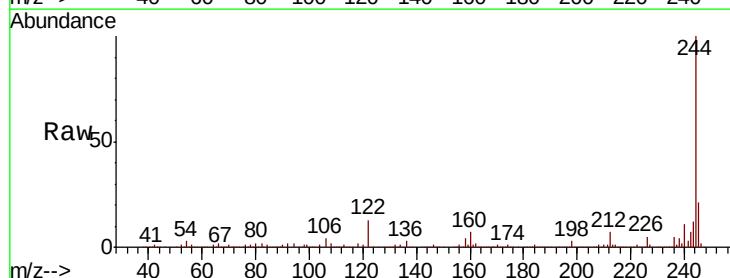
Tgt Ion:244 Resp: 2376521

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

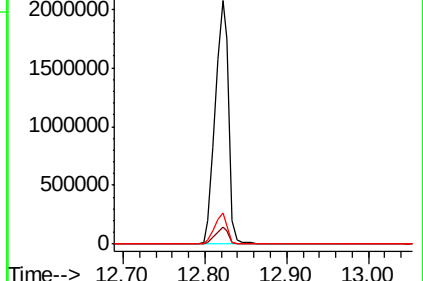
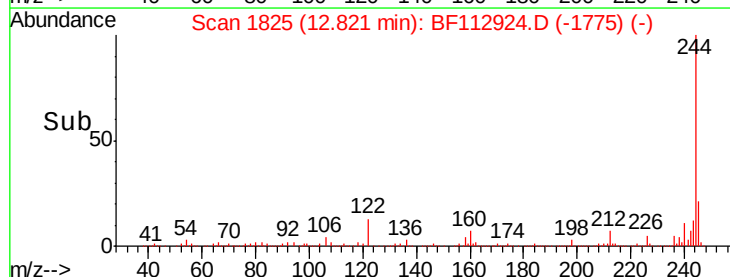
122 12.6 10.5 15.7

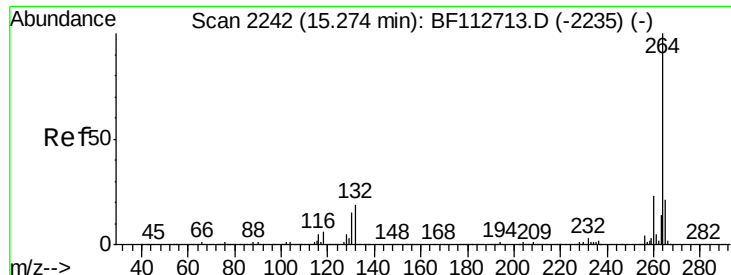


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112924.D
Acq: 7 Mar 2019 16:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 264 Resp: 646824
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.7 17.2 25.8

