

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112618\
 Data File : BF110971.D
 Acq On : 26 Nov 2018 18:43
 Operator : JU/SJ
 Sample : J6030-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01

Quant Time: Nov 27 02:57:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 26 15:26:09 2018
 Response via : Initial Calibration

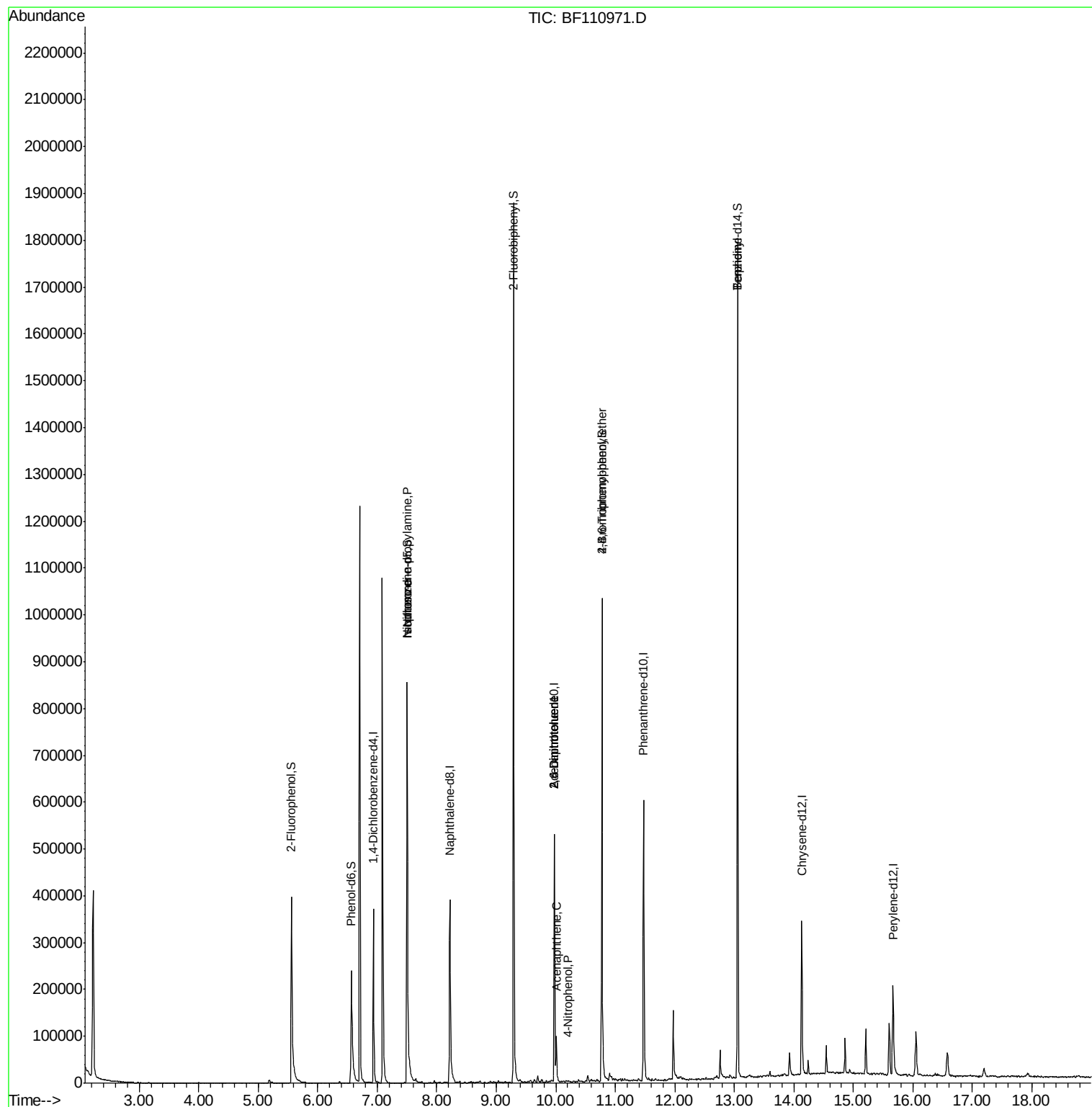
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	60609	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	252879	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	119501	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	227560	20.00	ng	0.00
76) Chrysene-d12	14.13	240	128100	20.00	ng	0.00
87) Perylene-d12	15.66	264	118841	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	172543	47.21	ng	0.00
7) Phenol-d6	6.57	99	132006	27.72	ng	0.00
23) Nitrobenzene-d5	7.50	82	322487	72.98	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	127101	107.09	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	603630	73.18	ng	0.00
79) Terphenyl-d14	13.06	244	553081	84.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.50	70	43503	14.022	ng	Qvalue # 76
25) Isophorone	7.50	82	322485	44.493	ng	# 67
51) 2,6-Dinitrotoluene	9.97	165	15100	7.739	ng	# 21
52) Acenaphthene	10.01	154	21580	2.964	ng	92
56) 4-Nitrophenol	10.20	139	224	4.405	ng	# 6
57) 2,4-Dinitrotoluene	9.97	165	15100	5.965	ng	# 17
67) 4-Bromophenyl-phenylether	10.77	248	7732	3.120	ng	# 1
77) Benzidine	13.06	184	7844	2.394	ng	98

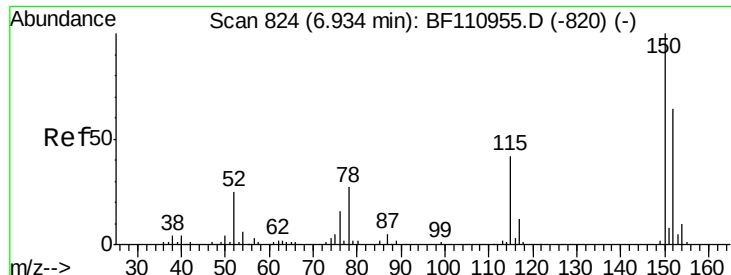
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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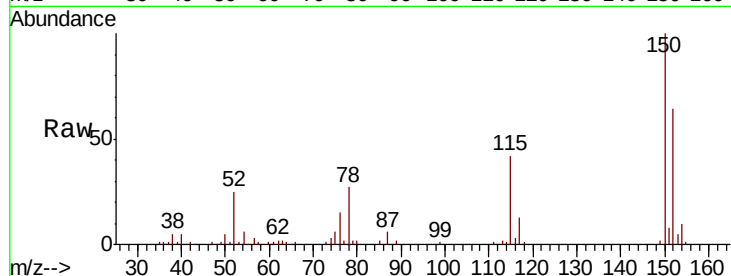


#1

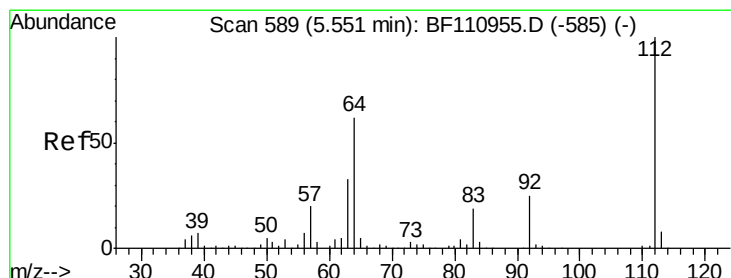
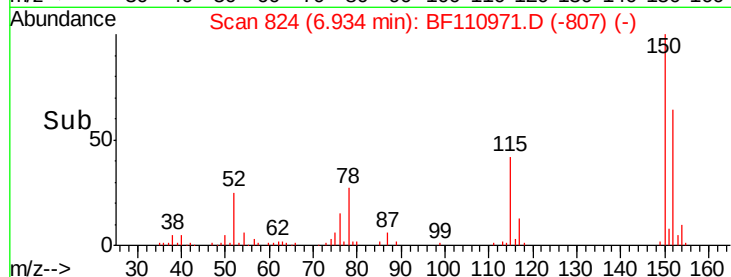
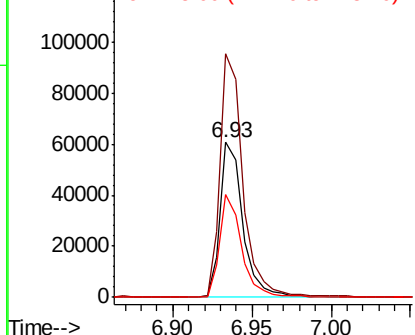
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF110971.D
Acq: 26 Nov 2018 18:43

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tgt Ion:152 Resp: 60609
Ion Ratio Lower Upper
152 100
150 157.3 122.7 184.1
115 66.8 49.1 73.7



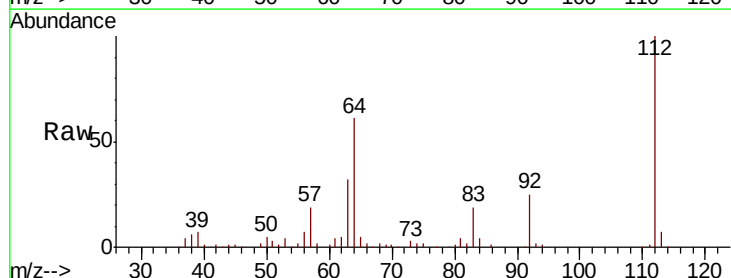
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



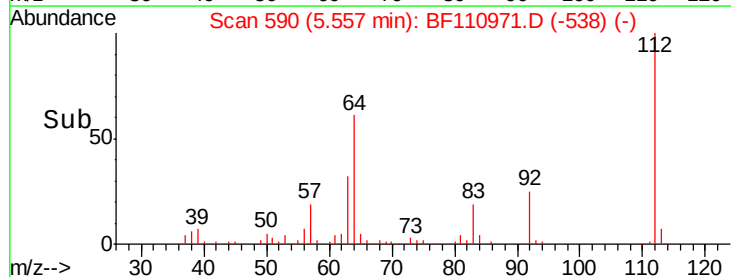
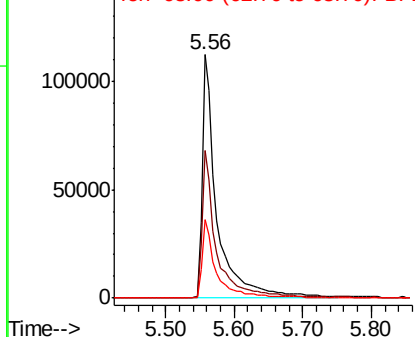
#5

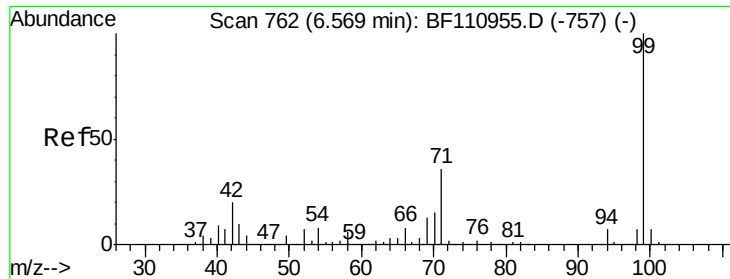
2-Fluorophenol
Concen: 47.209 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF110971.D
Acq: 26 Nov 2018 18:43

Tgt Ion:112 Resp: 172543
Ion Ratio Lower Upper
112 100
64 60.5 44.1 66.1
63 32.0 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: 27.716 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF110971.D

Acq: 26 Nov 2018 18:43

Instrument :

BNA_F

ClientSampled :

DUP-01

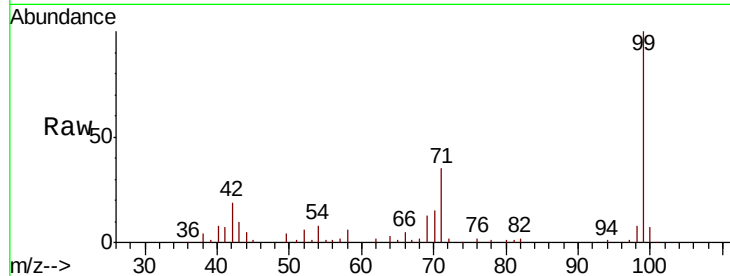
Tgt Ion: 99 Resp: 132006

Ion Ratio Lower Upper

99 100

42 19.3 15.8 23.6

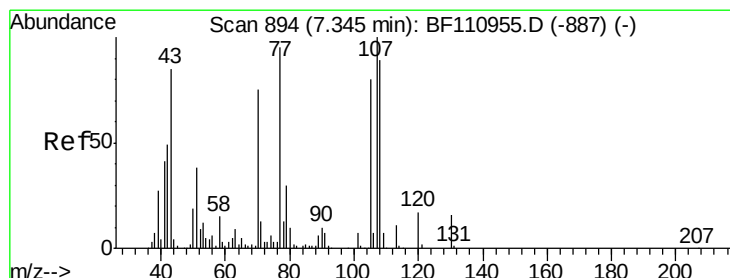
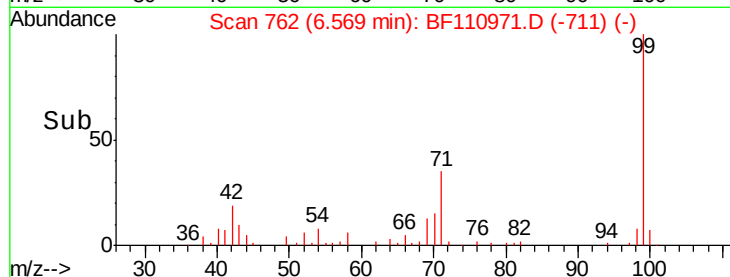
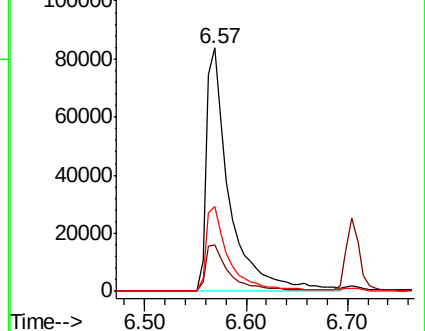
71 34.7 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.022 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.16 min

Lab File: BF110971.D

Acq: 26 Nov 2018 18:43

Tgt Ion: 70 Resp: 43503

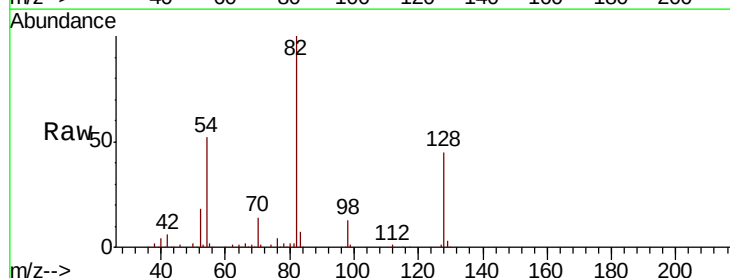
Ion Ratio Lower Upper

70 100

42 45.7 47.4 71.2#

101 0.0 7.3 10.9#

130 2.0 16.2 24.2#

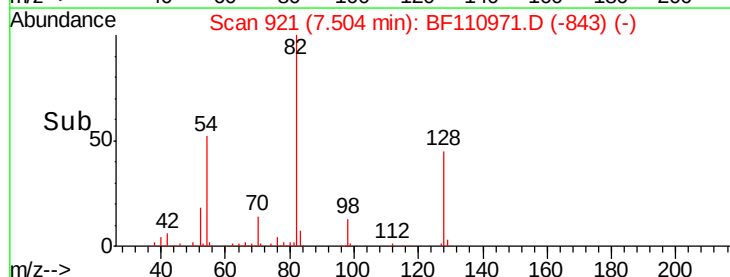
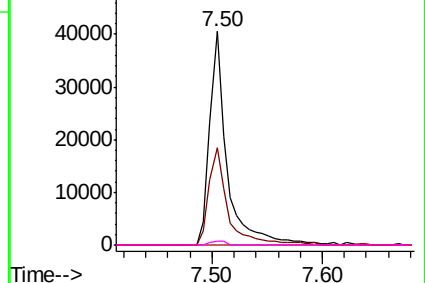


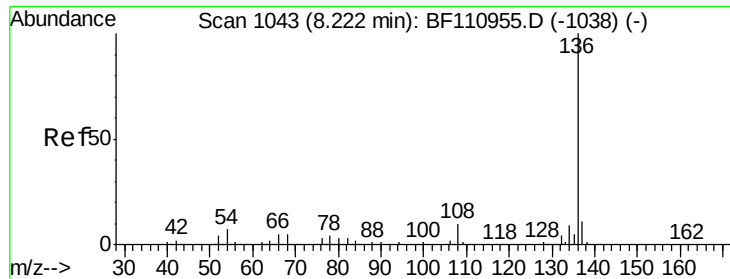
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

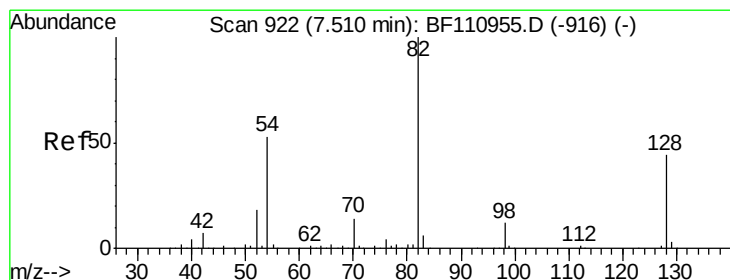
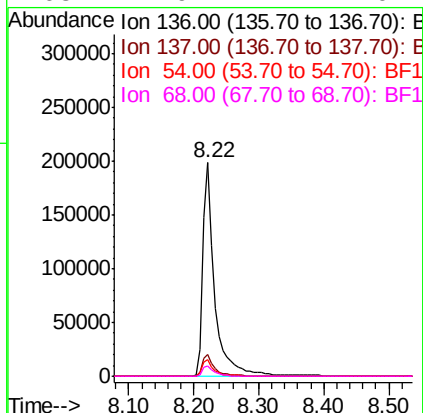
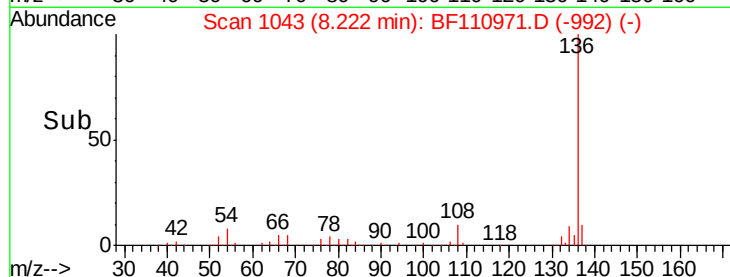
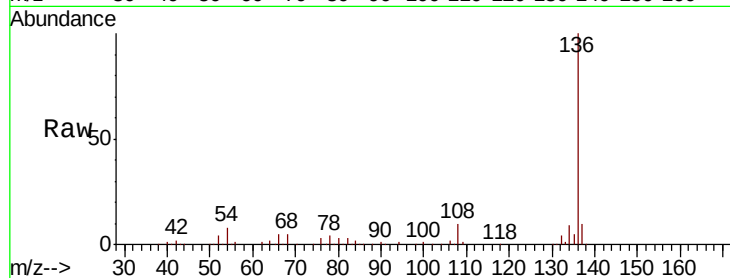




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF110971.D
Acq: 26 Nov 2018 18:43

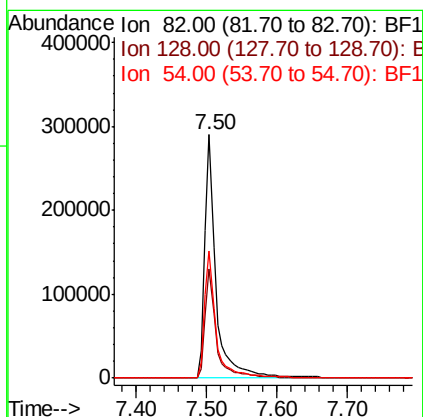
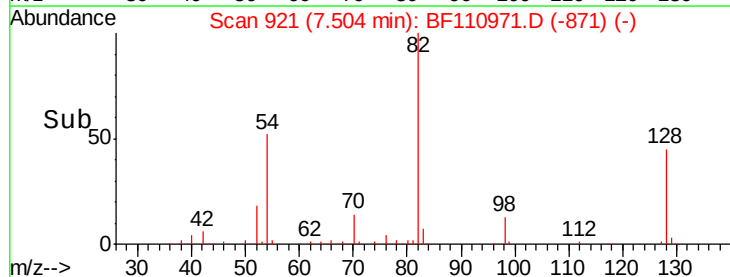
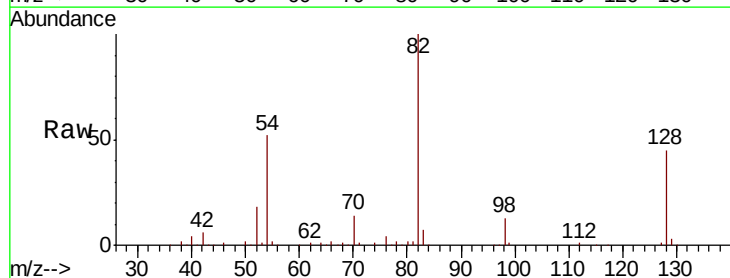
Instrument :
BNA_F
ClientSampleId :
DUP-01

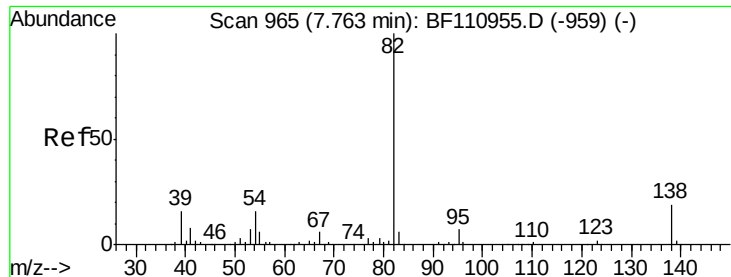
Tgt Ion:	136	Resp:	252879
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	7.7	5.4	8.2
68	4.9	4.2	6.2



#23
Nitrobenzene-d5
Concen: 72.984 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110971.D
Acq: 26 Nov 2018 18:43

Tgt Ion:	82	Resp:	322487
Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.2	51.2
54	52.3	38.6	58.0





#25

Isophorone

Concen: 44.493 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF110971.D

Acq: 26 Nov 2018 18:43

Instrument :

BNA_F

ClientSampleId :

DUP-01

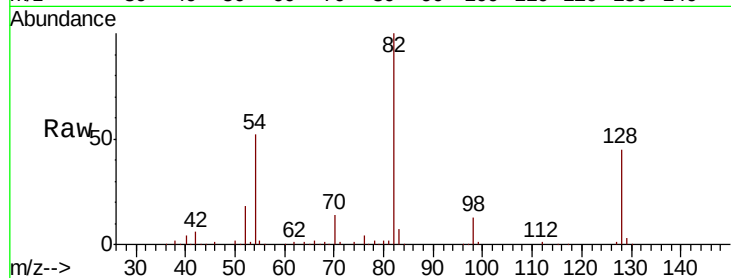
Tgt Ion: 82 Resp: 322485

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

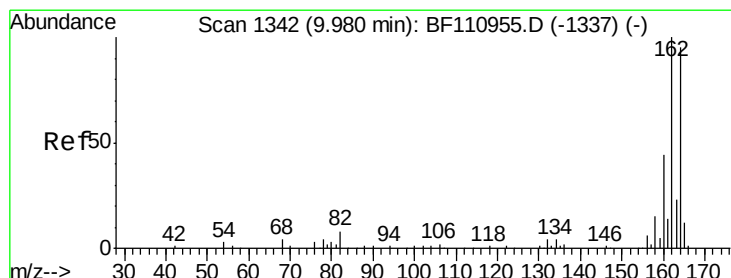
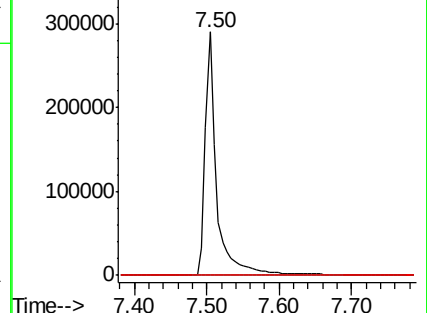
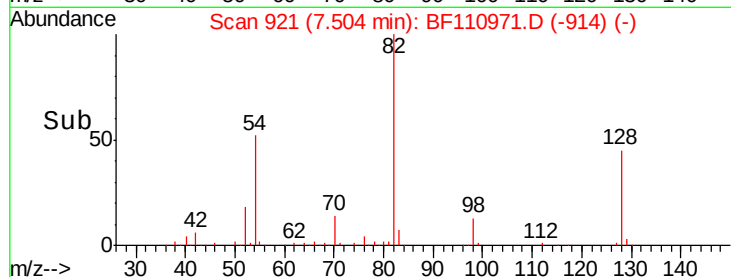
138 0.0 13.2 19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF110971.D (-914) (-)

Ion 95.00 (94.70 to 95.70): BF110971.D (-914) (-)

Ion 138.00 (137.70 to 138.70): BF110971.D (-914) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF110971.D

Acq: 26 Nov 2018 18:43

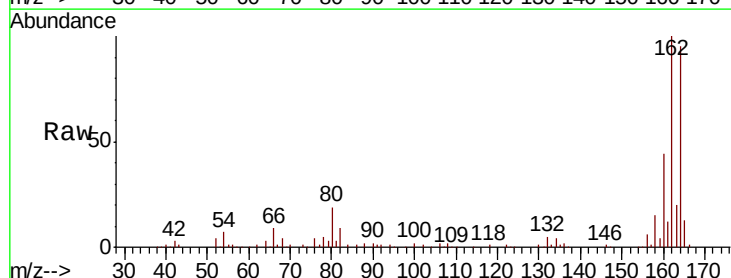
Tgt Ion: 164 Resp: 119501

Ion Ratio Lower Upper

164 100

162 104.7 83.0 124.6

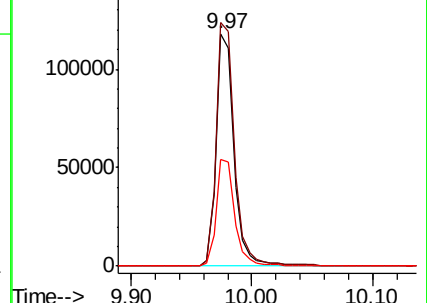
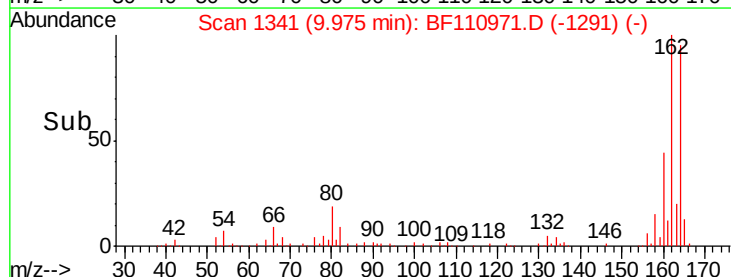
160 46.0 37.0 55.6

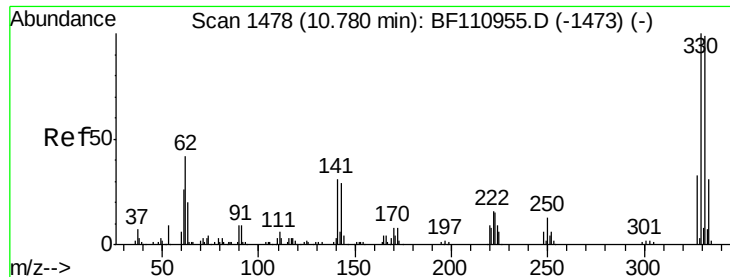


Abundance Ion 164.00 (163.70 to 164.70): BF110971.D (-1291) (-)

Ion 162.00 (161.70 to 162.70): BF110971.D (-1291) (-)

Ion 160.00 (159.70 to 160.70): BF110971.D (-1291) (-)





#42

2,4,6-Tribromophenol

Concen: 107.095 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF110971.D

Acq: 26 Nov 2018 18:43

Instrument :

BNA_F

ClientSampleId :

DUP-01

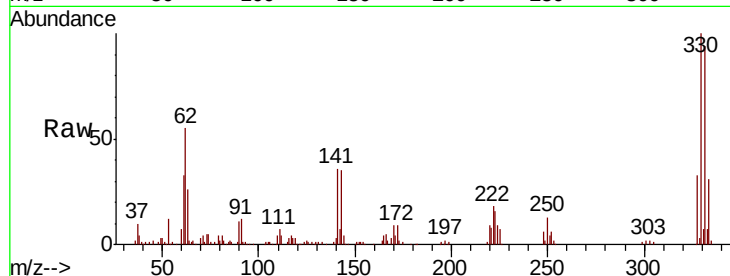
Tgt Ion:330 Resp: 127101

Ion Ratio Lower Upper

330 100

332 94.7 77.1 115.7

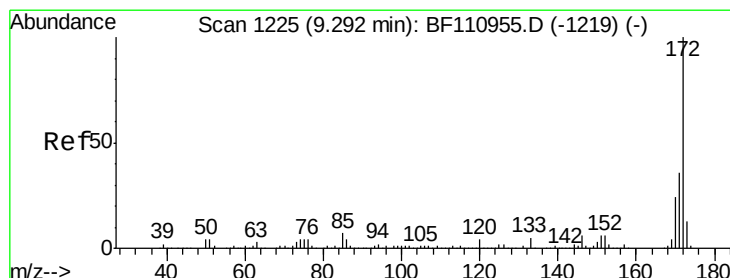
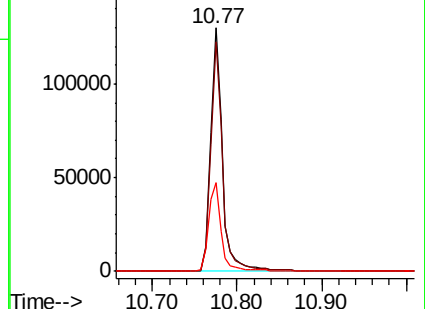
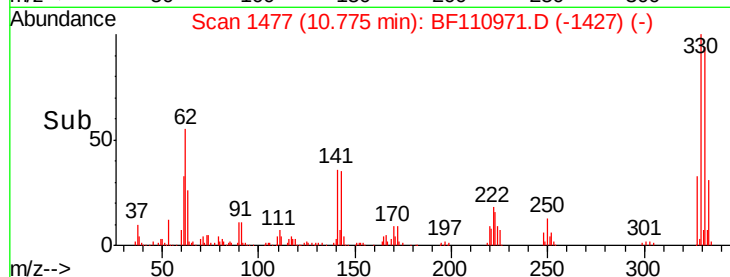
141 38.4 27.0 40.4



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: 73.181 ng

RT: 9.29 min Scan# 1225

Delta R.T. 0.00 min

Lab File: BF110971.D

Acq: 26 Nov 2018 18:43

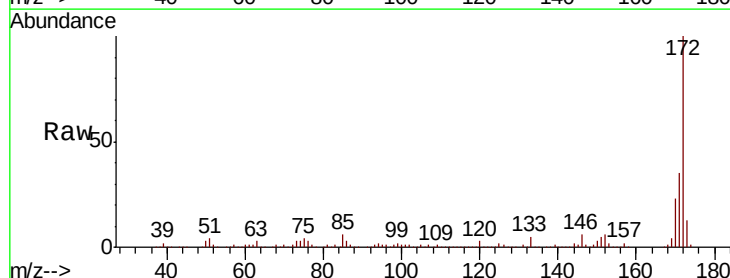
Tgt Ion:172 Resp: 603630

Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

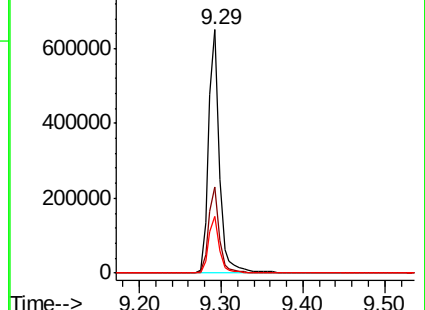
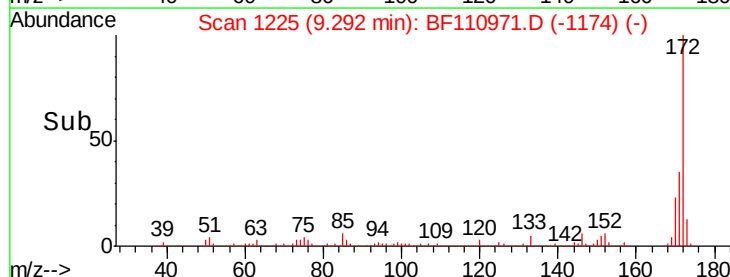
170 23.4 19.7 29.5

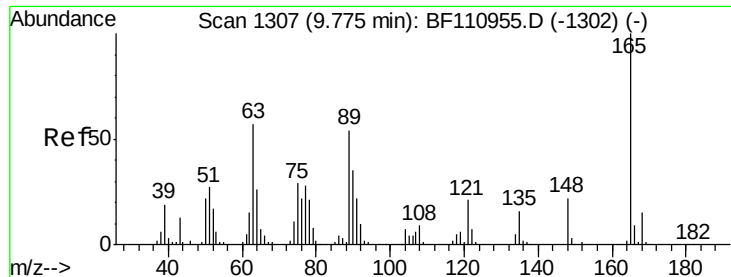


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

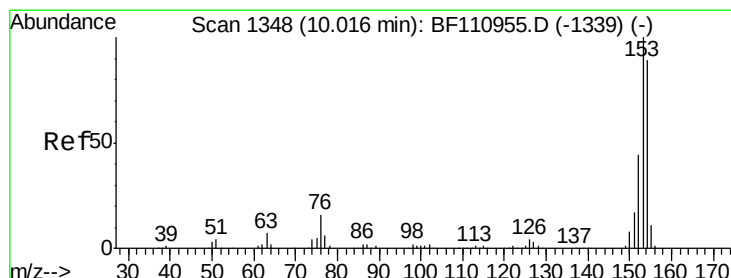
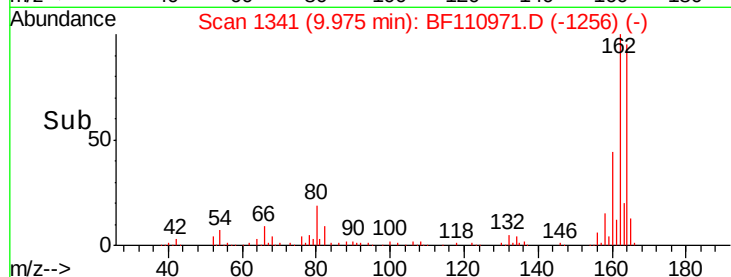
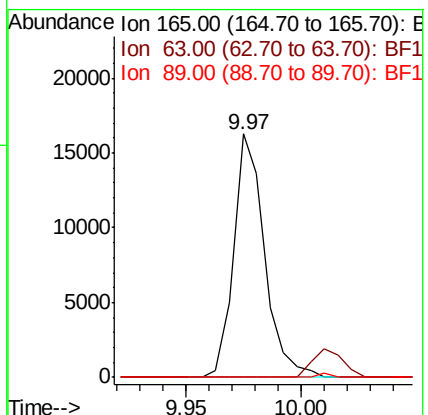
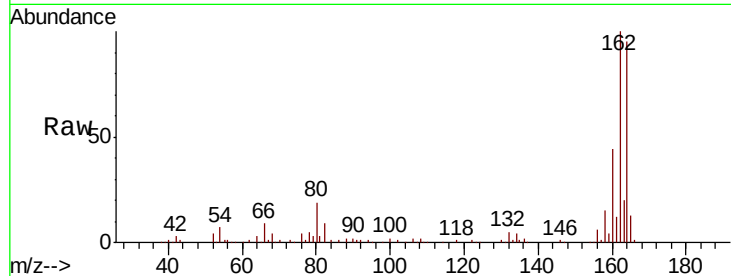




#51
 2,6-Dinitrotoluene
 Concen: 7.739 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.20 min
 Lab File: BF110971.D
 Acq: 26 Nov 2018 18:43

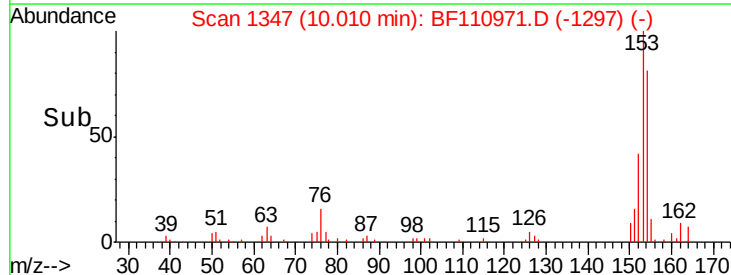
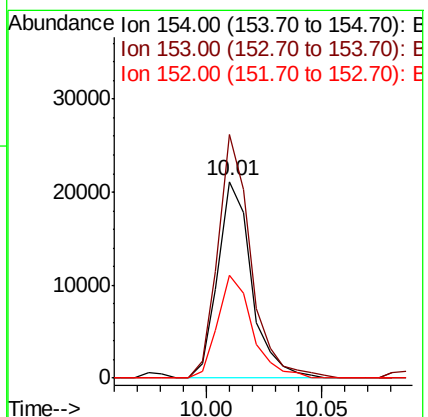
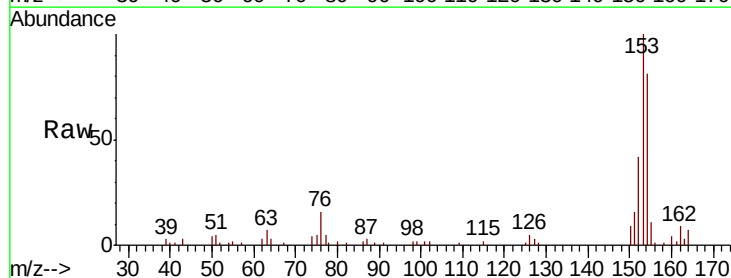
Instrument :
 BNA_F
 ClientSampleId :
 DUP-01

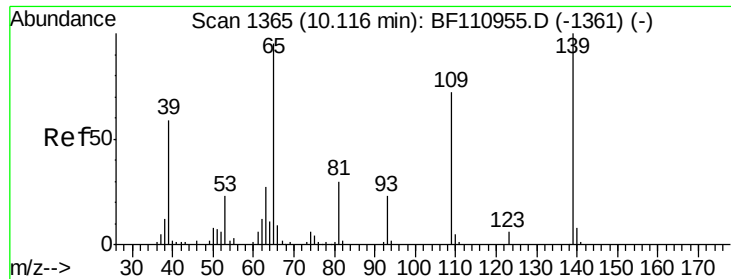
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#



#52
 Acenaphthene
 Concen: 2.964 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: BF110971.D
 Acq: 26 Nov 2018 18:43

Tgt Ion	Ratio	Lower	Upper
154	100		
153	123.9	90.1	135.1
152	52.2	43.4	65.2





#56

4-Nitrophenol

Concen: 4.405 ng

RT: 10.20 min Scan# 1379

Delta R.T. 0.08 min

Lab File: BF110971.D

Acq: 26 Nov 2018 18:43

Instrument :

BNA_F

ClientSampleId :

DUP-01

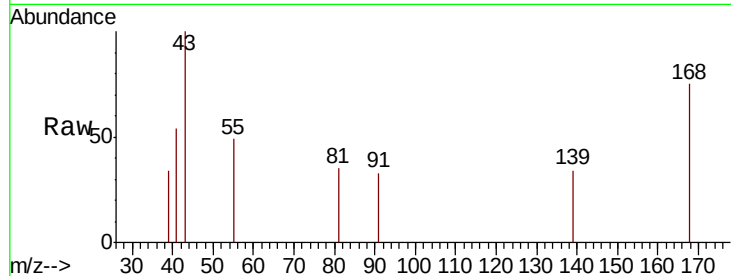
Tgt Ion:139 Resp: 224

Ion Ratio Lower Upper

139 100

109 0.0 55.8 95.8#

65 0.0 77.9 117.9#

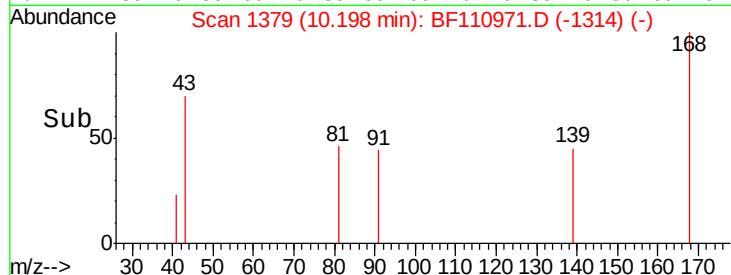


Abundance Ion 139.00 (138.70 to 139.70): E

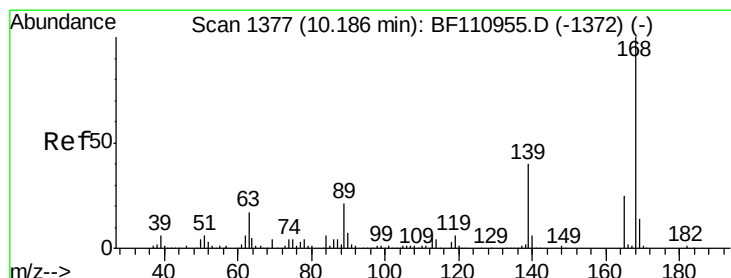
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

Time-->



Time-->



#57

2,4-Dinitrotoluene

Concen: 5.965 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.21 min

Lab File: BF110971.D

Acq: 26 Nov 2018 18:43

Tgt Ion:165 Resp: 15100

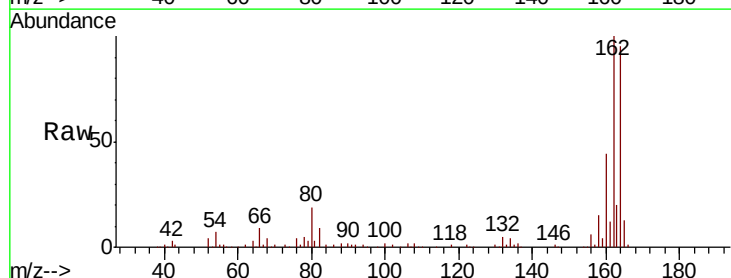
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#



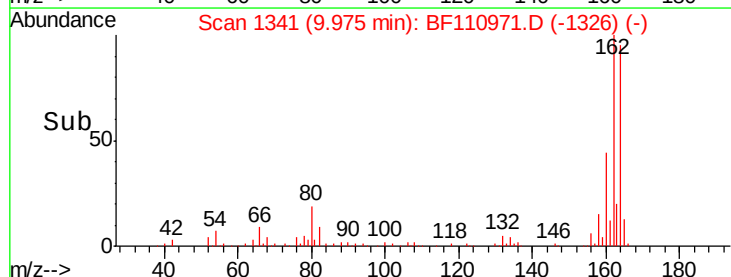
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

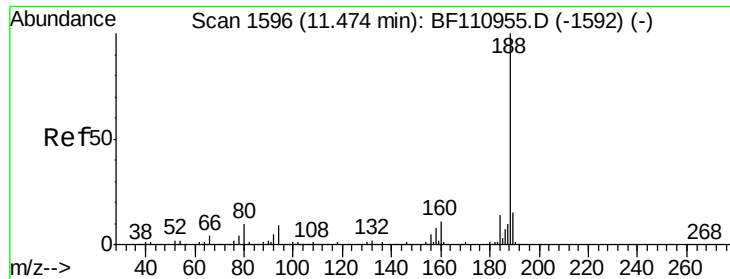
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

Time-->



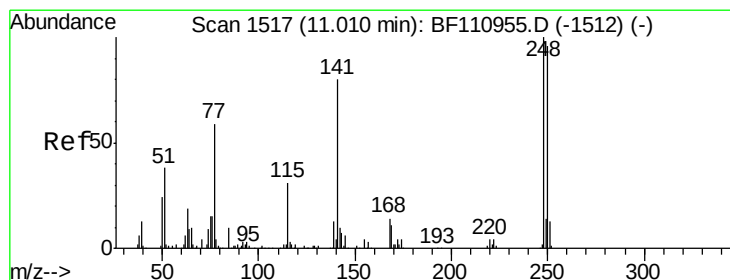
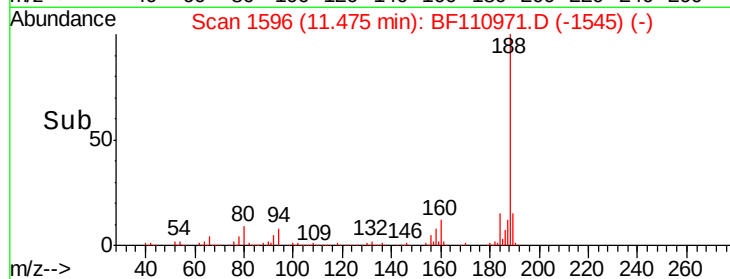
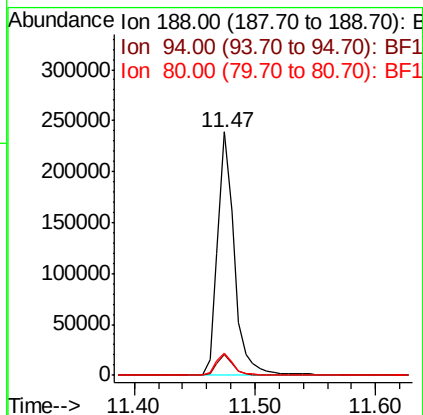
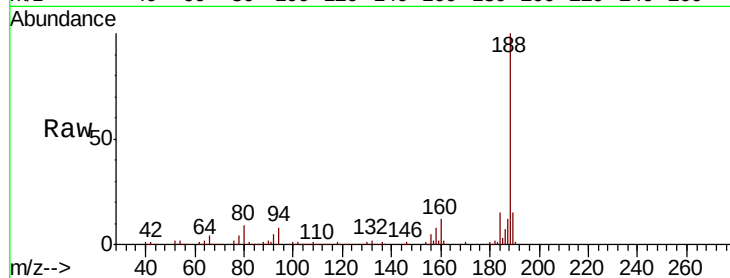
Time-->



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. 0.00 min
Lab File: BF110971.D
Acq: 26 Nov 2018 18:43

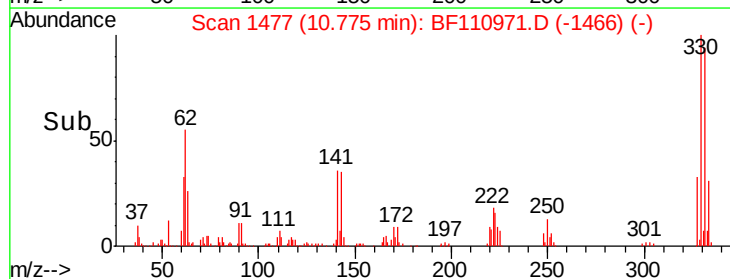
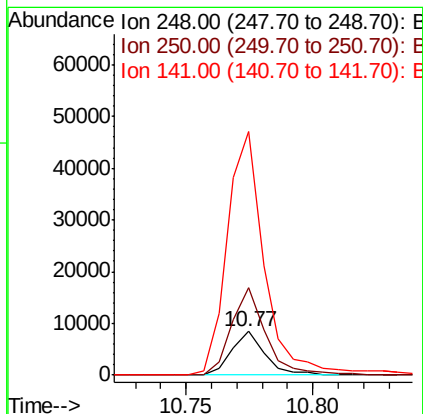
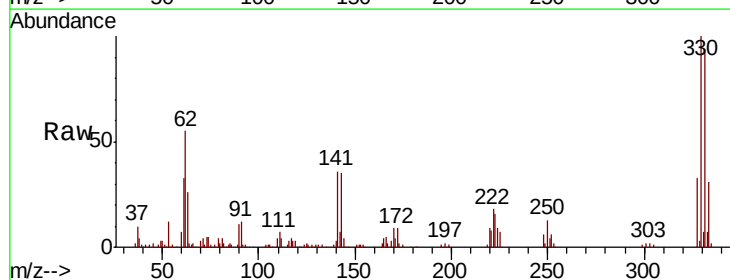
Instrument :
BNA_F
ClientSampleId :
DUP-01

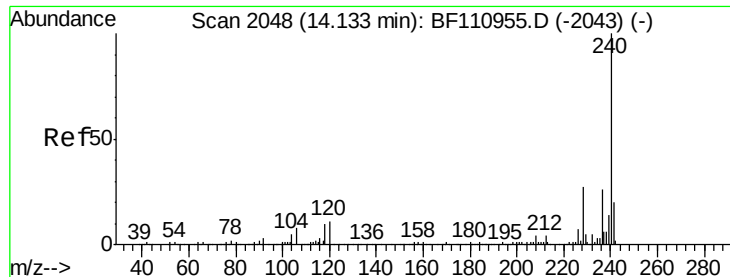
Tgt Ion:188 Resp: 227560
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 9.3 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.120 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.24 min
Lab File: BF110971.D
Acq: 26 Nov 2018 18:43

Tgt Ion:248 Resp: 7732
Ion Ratio Lower Upper
248 100
250 199.4 79.4 119.2#
141 558.1 55.9 83.9#

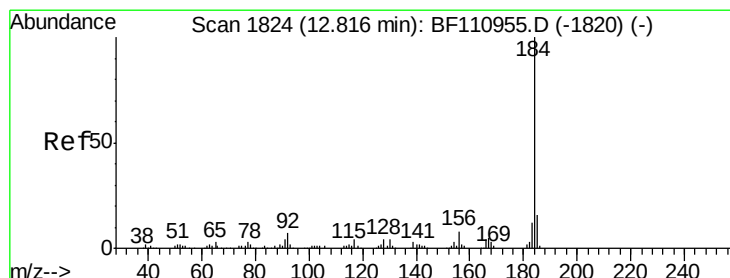
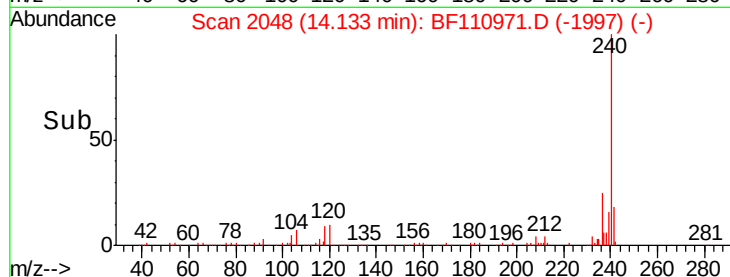
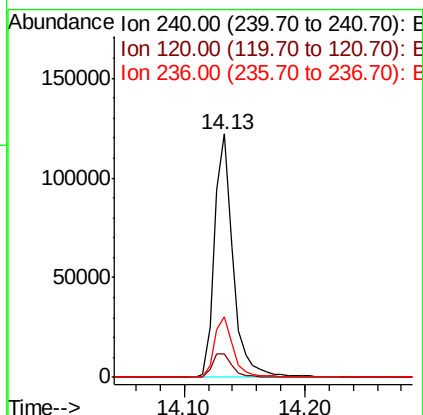
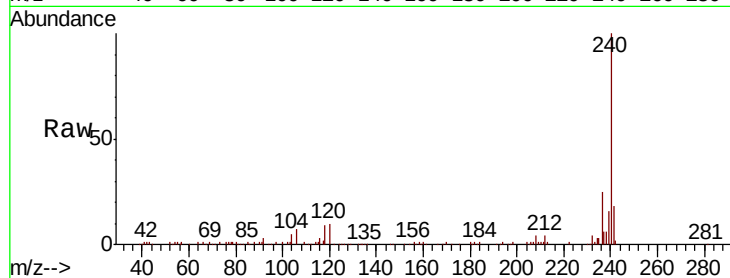




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. 0.00 min
Lab File: BF110971.D
Acq: 26 Nov 2018 18:43

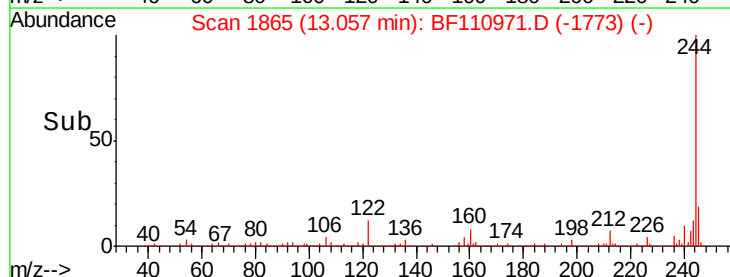
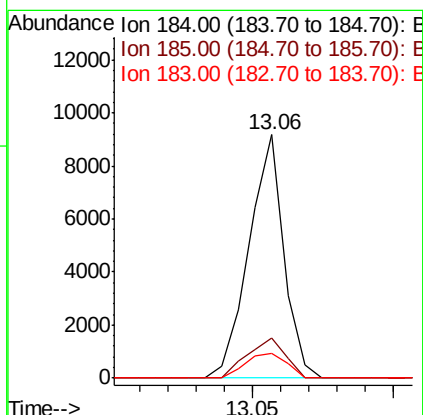
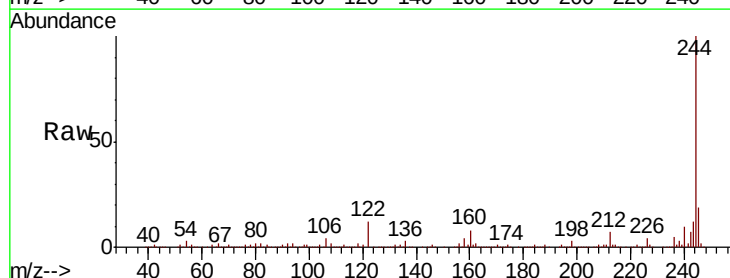
Instrument :
BNA_F
ClientSampleId :
DUP-01

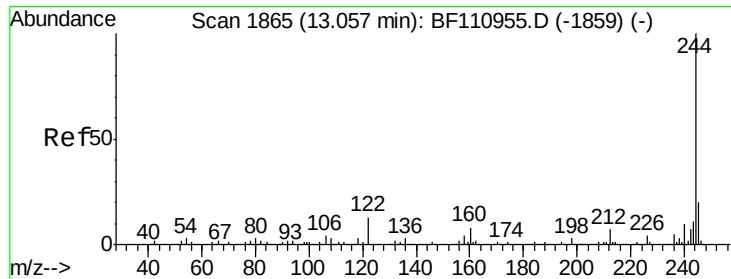
Tgt Ion:240 Resp: 128100
Ion Ratio Lower Upper
240 100
120 9.7 8.3 12.5
236 25.1 21.2 31.8



#77
Benzidine
Concen: 2.394 ng
RT: 13.06 min Scan# 1865
Delta R.T. 0.24 min
Lab File: BF110971.D
Acq: 26 Nov 2018 18:43

Tgt Ion:184 Resp: 7844
Ion Ratio Lower Upper
184 100
185 16.7 13.4 20.2
183 10.2 9.4 14.2





#79

Terphenyl-d14

Concen: 84.048 ng

RT: 13.06 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BF110971.D

Acq: 26 Nov 2018 18:43

Instrument :

BNA_F

ClientSampleId :

DUP-01

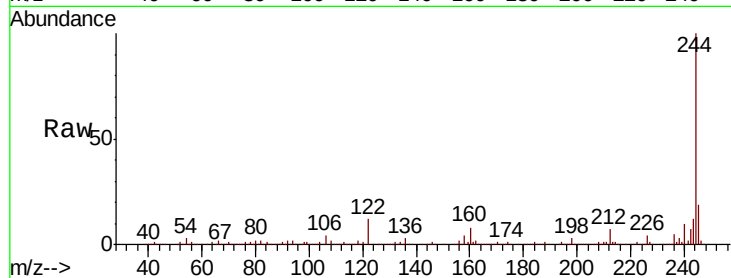
Tgt Ion:244 Resp: 553081

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

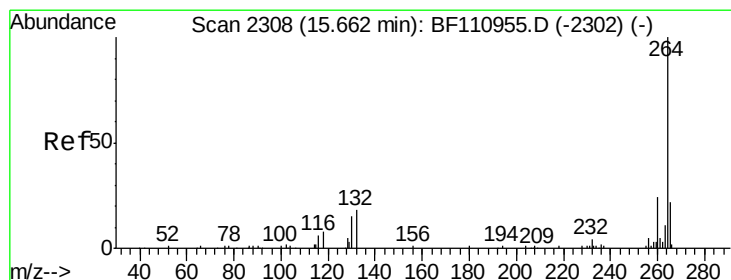
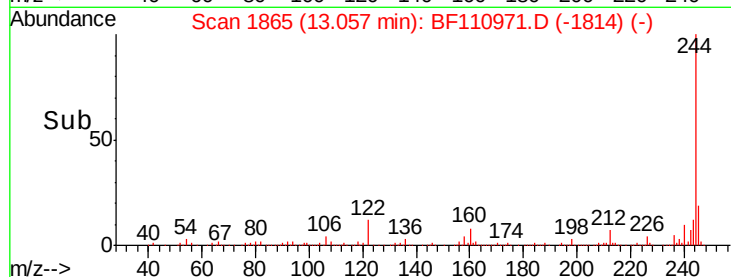
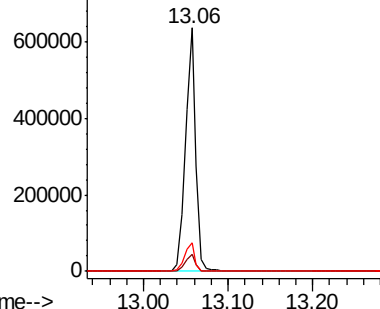
122 11.8 8.7 13.1



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: 15.66 min Scan# 2308

Delta R.T. 0.00 min

Lab File: BF110971.D

Acq: 26 Nov 2018 18:43

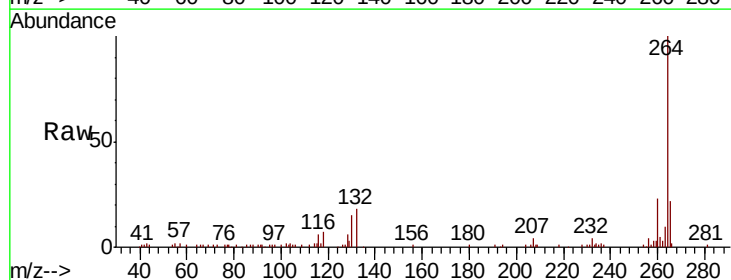
Tgt Ion:264 Resp: 118841

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 21.6 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

