

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115600.D
 Acq On : 16 Jul 2019 16:36
 Operator : HP/JU
 Sample : K3620-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 17 03:51:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

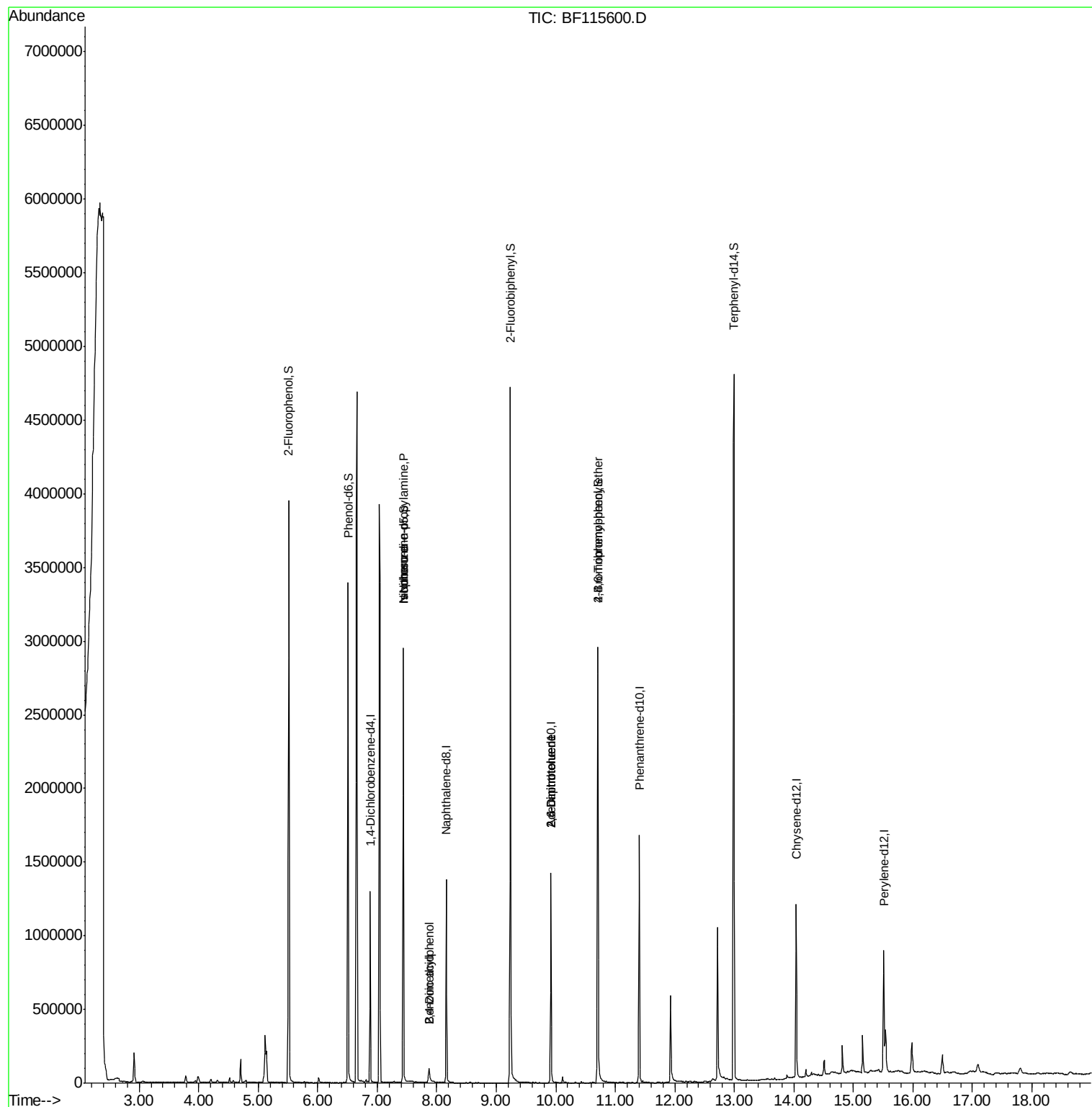
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	188171	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	616797	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	312085	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	601595	20.00	ng	0.00
76) Chrysene-d12	14.04	240	385358	20.00	ng	-0.01
87) Perylene-d12	15.51	264	439276	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1248852	108.56	ng	0.01
7) Phenol-d6	6.51	99	1448441	99.23	ng	0.00
23) Nitrobenzene-d5	7.44	82	1129946	106.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	462403	126.94	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1739176	97.54	ng	-0.01
79) Terphenyl-d14	12.99	244	1839382	88.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	152021	15.968	ng	# 79
25) Isophorone	7.44	82	1114443	52.504	ng	# 64
27) 2,4-Dimethylphenol	7.87	122	42309	4.802	ng	# 3
32) Benzoic acid	7.87	122	42309	5.851	ng	# 98
51) 2,6-Dinitrotoluene	9.92	165	39559	7.414	ng	# 27
57) 2,4-Dinitrotoluene	9.92	165	39560	5.722	ng	# 24
67) 4-Bromophenyl-phenylether	10.71	248	28437	4.136	ng	# 1

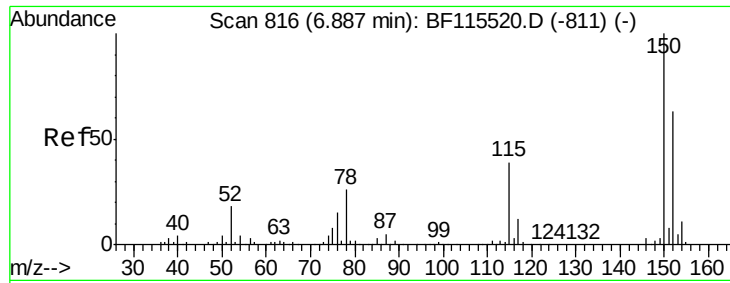
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration



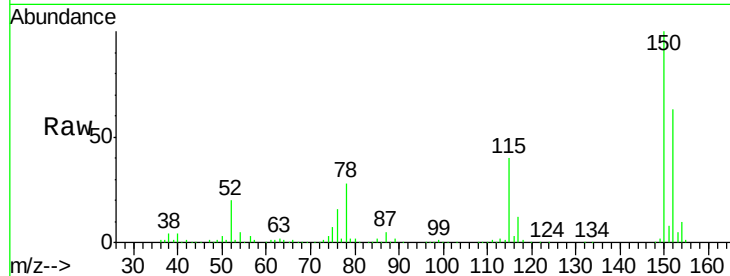


#1

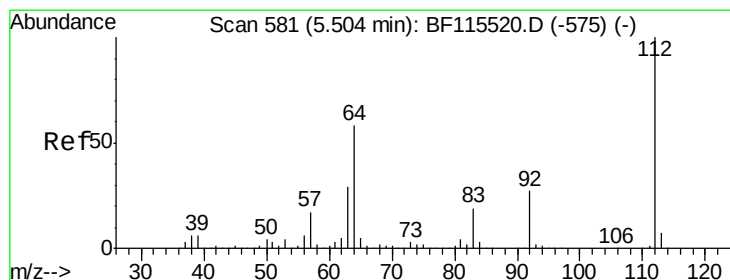
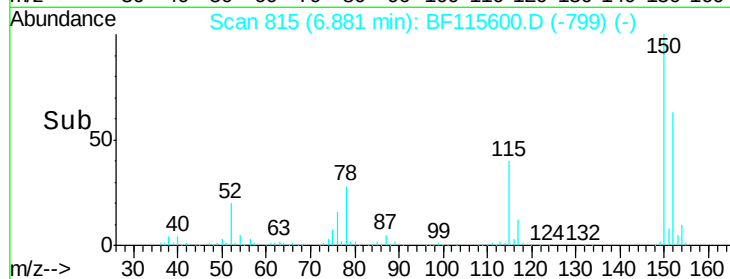
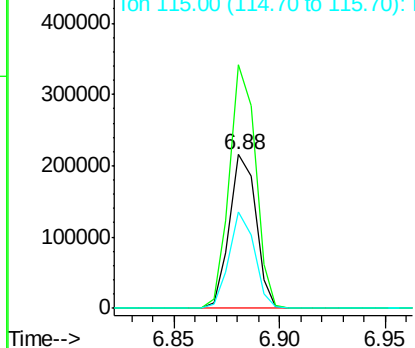
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115600.D
Acq: 16 Jul 2019 16:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 188171
Ion Ratio Lower Upper
152 100
150 158.2 129.7 194.5
115 62.8 48.2 72.4



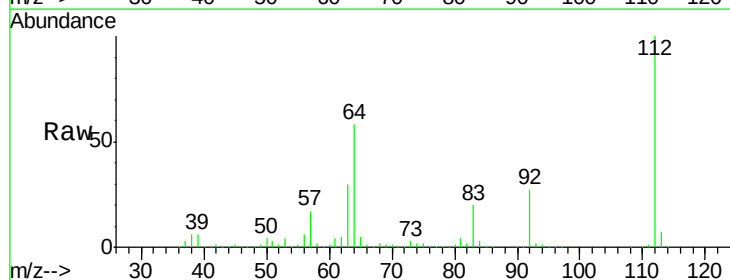
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



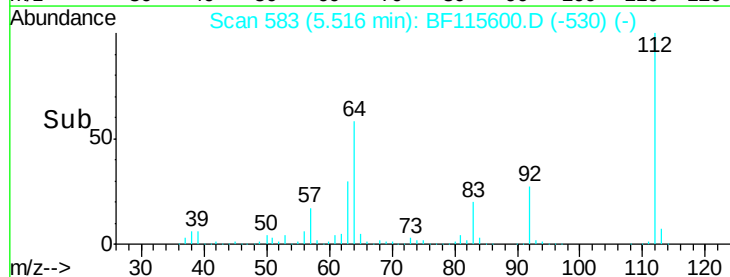
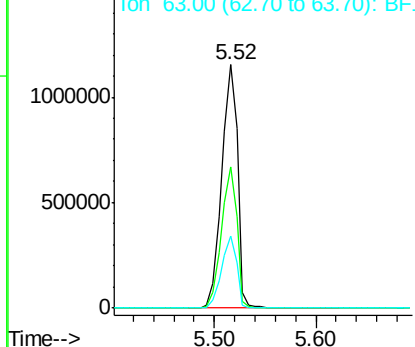
#5

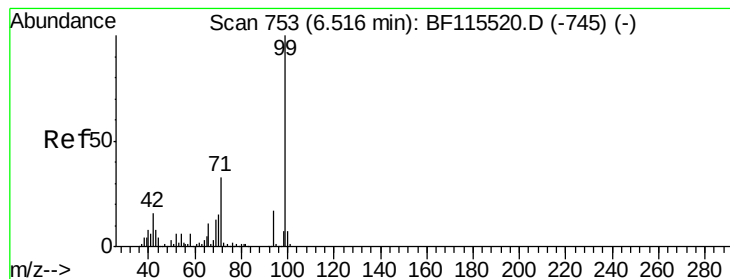
2-Fluorophenol
Concen: 108.559 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF115600.D
Acq: 16 Jul 2019 16:36

Tgt Ion:112 Resp: 1248852
Ion Ratio Lower Upper
112 100
64 58.0 46.8 70.2
63 29.6 24.1 36.1



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: 99.228 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115600.D

Acq: 16 Jul 2019 16:36

Instrument :

BNA_F

ClientSampleId :

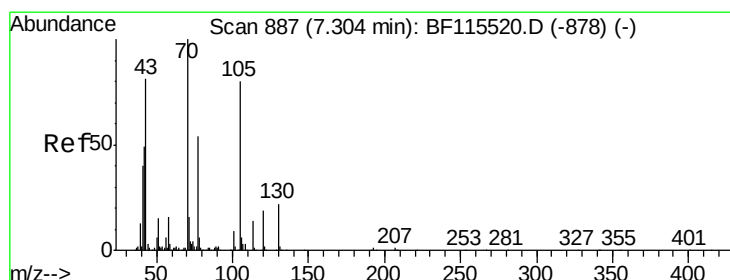
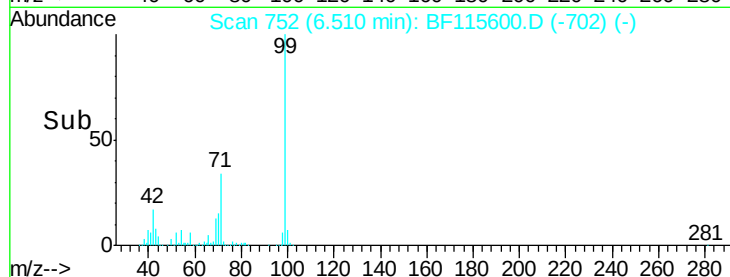
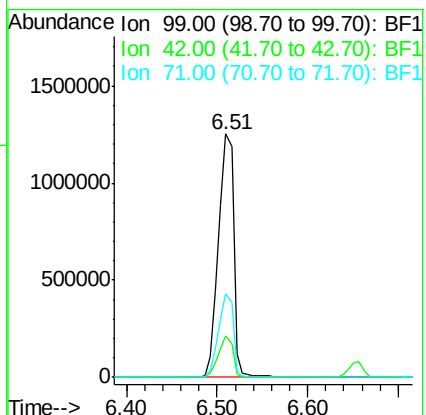
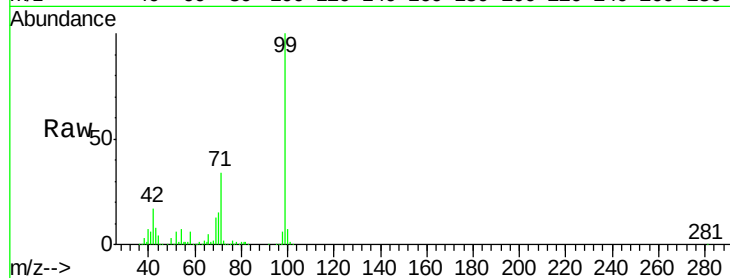
Tot Ion: 99 Resp: 1448441

Ion Ratio Lower Upper

99 100

42 16.8 13.6 20.4

71 34.2 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.968 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115600.D

Acq: 16 Jul 2019 16:36

Tgt Ion: 70 Resp: 152021

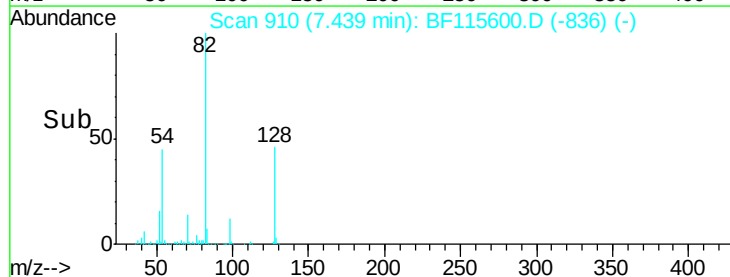
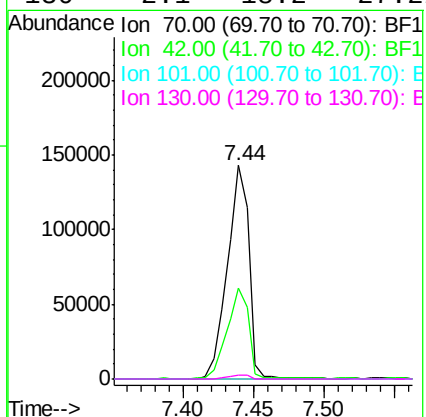
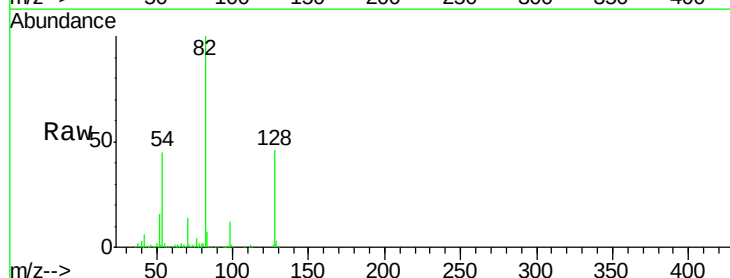
Ion Ratio Lower Upper

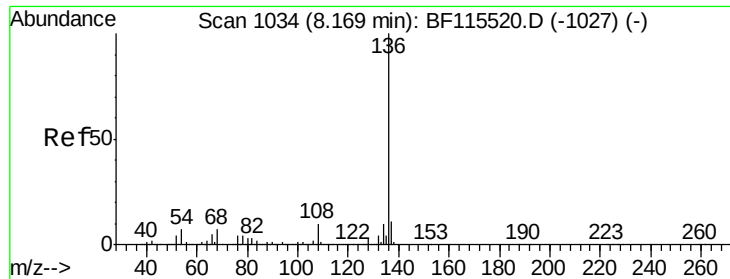
70 100

42 42.3 39.6 59.4

101 0.0 8.1 12.1#

130 2.1 18.2 27.2#

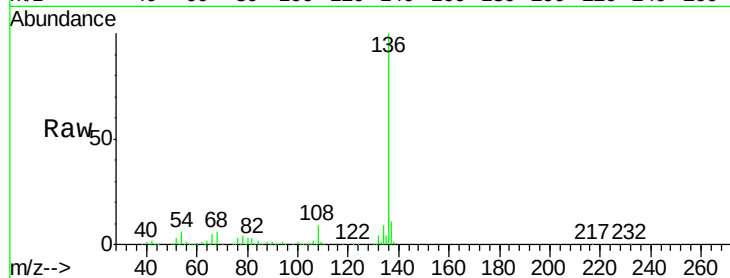




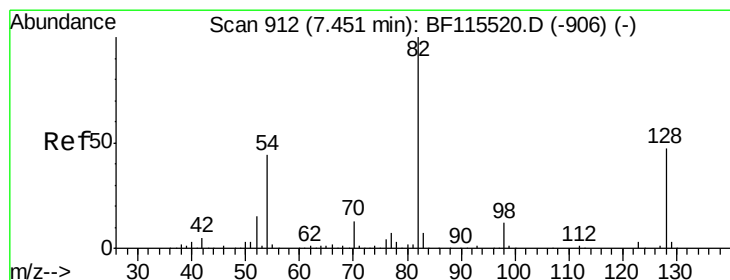
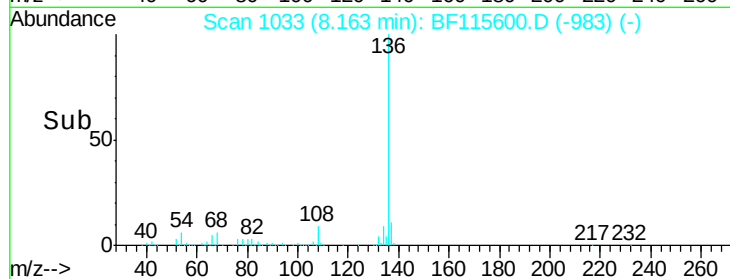
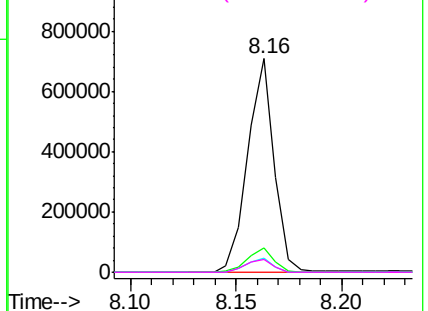
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115600.D
Acq: 16 Jul 2019 16:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	616797	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	9.0	13.4	
54 6.4	5.6	8.4	
68 6.1	5.0	7.6	

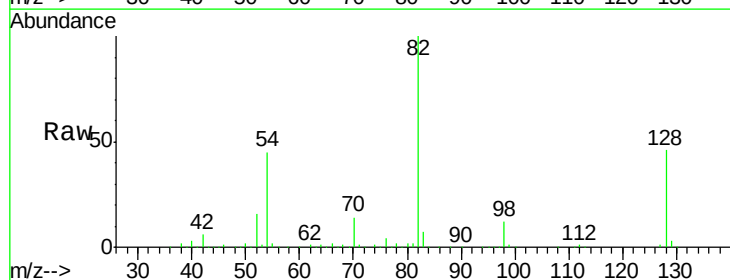


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

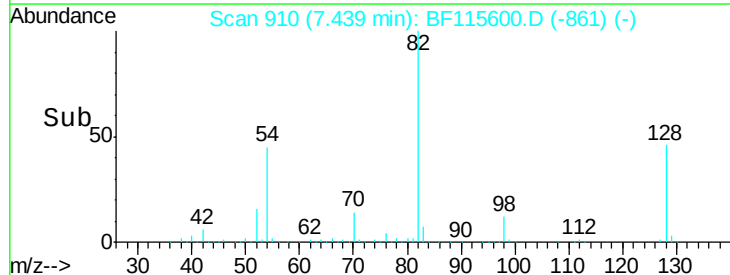
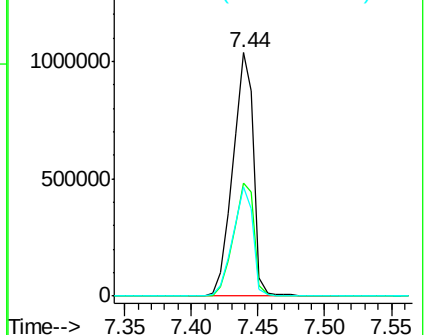


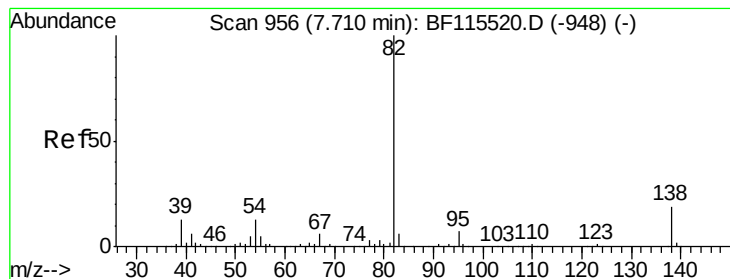
#23
Nitrobenzene-d5
Concen: 106.522 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115600.D
Acq: 16 Jul 2019 16:36

Tgt Ion: 82	Resp: 1129946
Ion Ratio	Lower Upper
82 100	
128 46.3	38.6 57.8
54 44.8	35.6 53.4



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: 52.504 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115600.D

Acq: 16 Jul 2019 16:36

Instrument :

BNA_F

ClientSampleId :

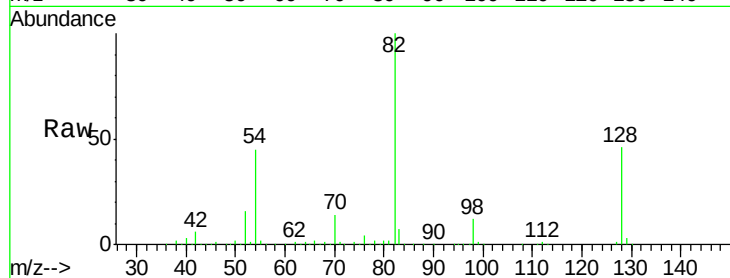
Tot Ion: 82 Resp: 1114443

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

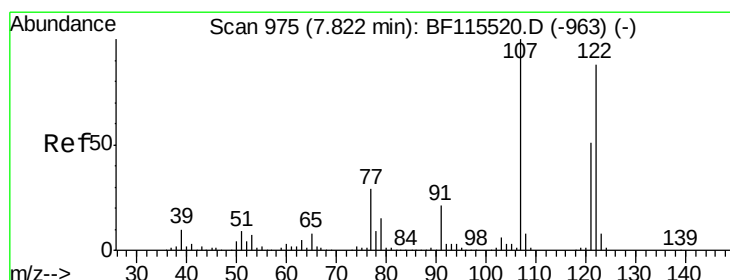
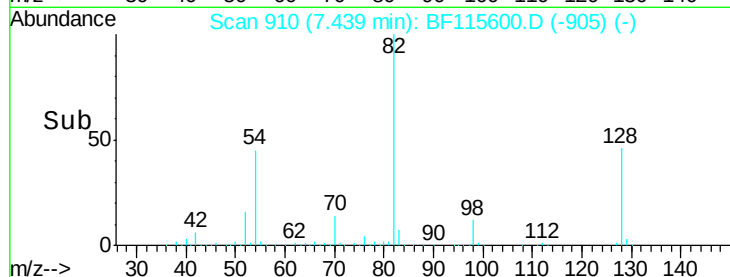
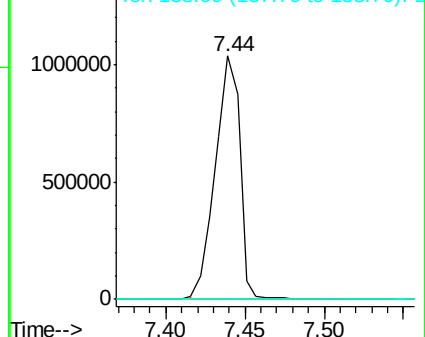
138 0.0 14.9 22.3#



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



#27

2,4-Dimethylphenol

Concen: 4.802 ng

RT: 7.87 min Scan# 984

Delta R.T. 0.05 min

Lab File: BF115600.D

Acq: 16 Jul 2019 16:36

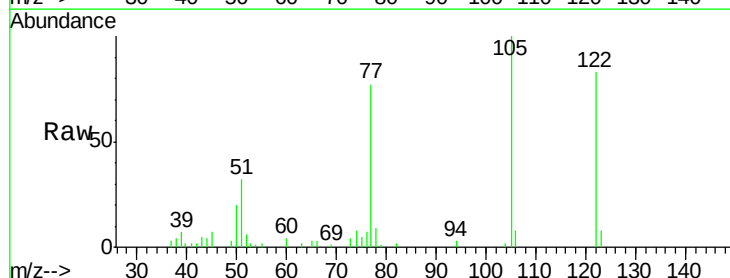
Tgt Ion: 122 Resp: 42309

Ion Ratio Lower Upper

122 100

107 0.0 92.9 139.3#

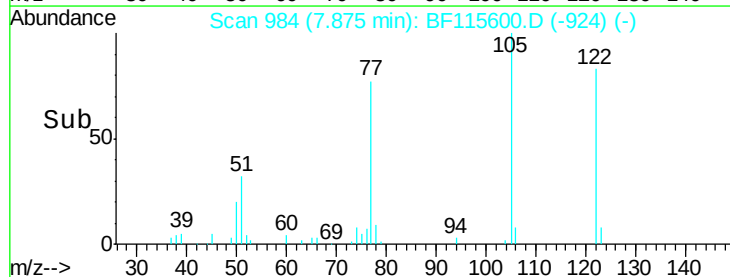
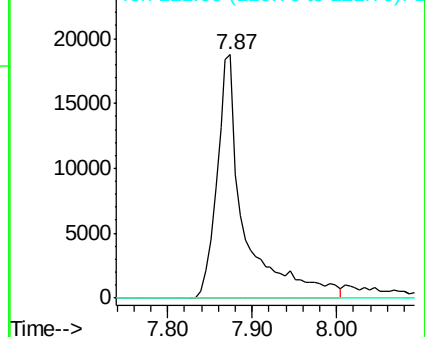
121 0.0 46.9 70.3#

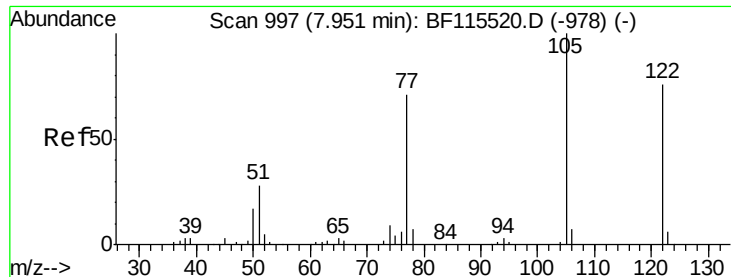


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 107.00 (106.70 to 107.70): BF1

Ion 121.00 (120.70 to 121.70): BF1

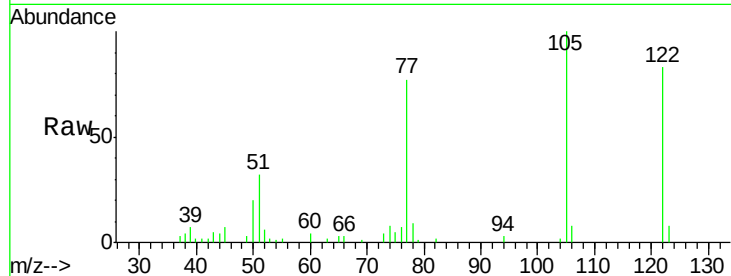




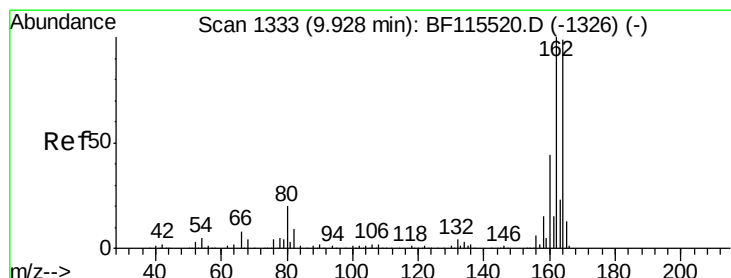
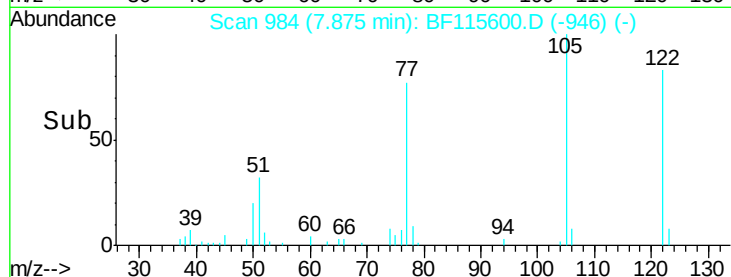
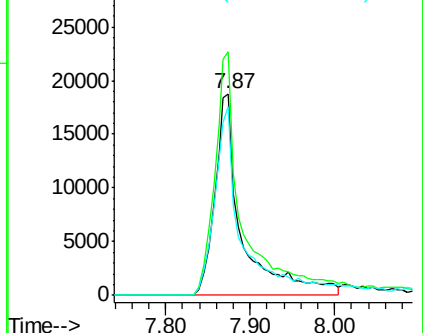
#32
Benzoic acid
Concen: 5.851 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.08 min
Lab File: BF115600.D
Acq: 16 Jul 2019 16:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 42309
Ion Ratio Lower Upper
122 100
105 120.9 102.5 142.5
77 93.5 70.2 110.2

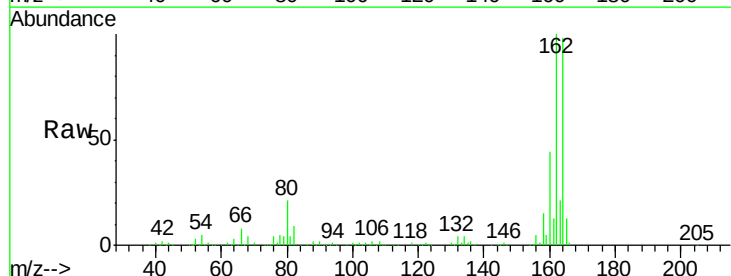


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

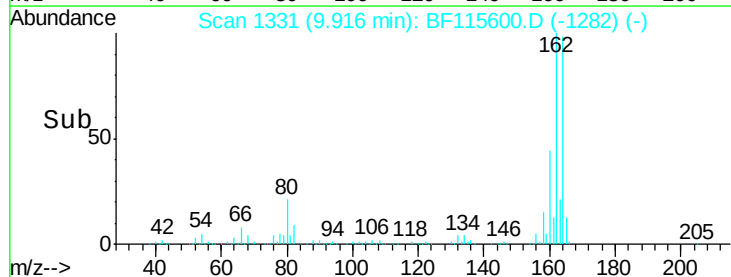
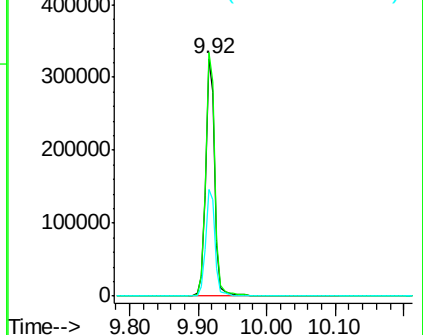


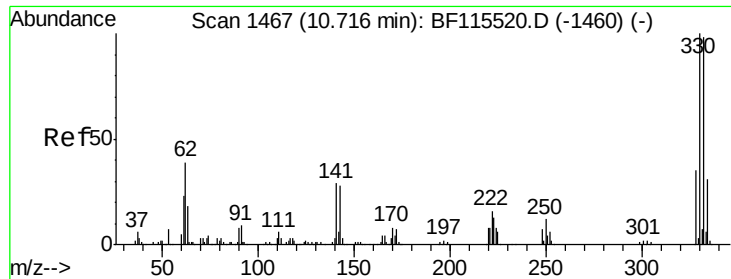
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115600.D
Acq: 16 Jul 2019 16:36

Tgt Ion:164 Resp: 312085
Ion Ratio Lower Upper
164 100
162 102.5 82.9 124.3
160 45.1 36.8 55.2



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: 126.937 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF115600.D

Acq: 16 Jul 2019 16:36

Instrument :

BNA_F

ClientSampleId :

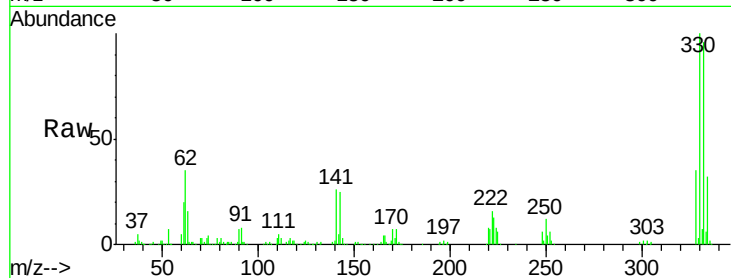
Tot Ion:330 Resp: 462403

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.2

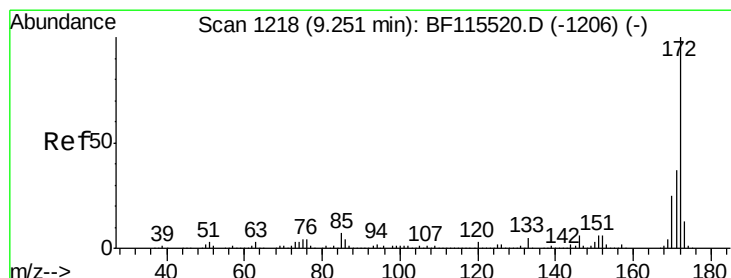
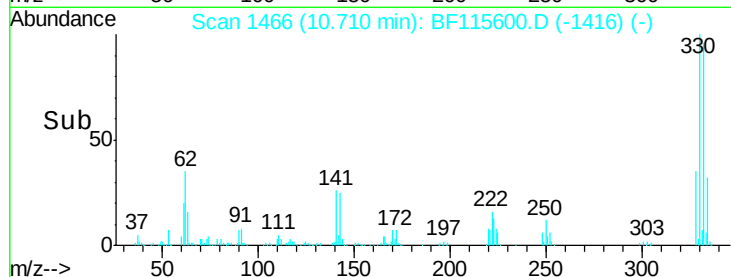
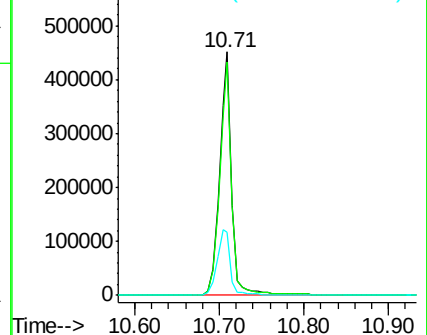
141 30.4 22.4 33.6



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: 97.539 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF115600.D

Acq: 16 Jul 2019 16:36

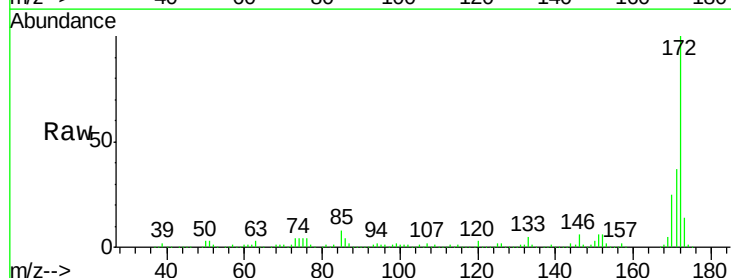
Tgt Ion:172 Resp: 1739176

Ion Ratio Lower Upper

172 100

171 36.7 30.6 46.0

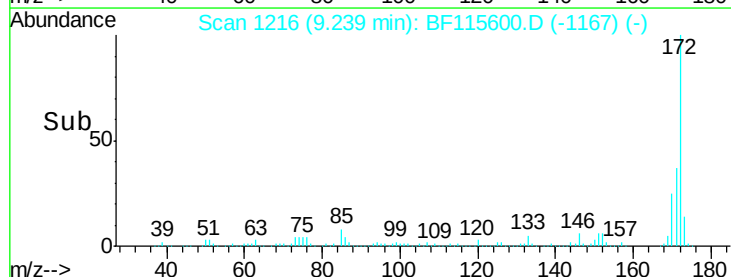
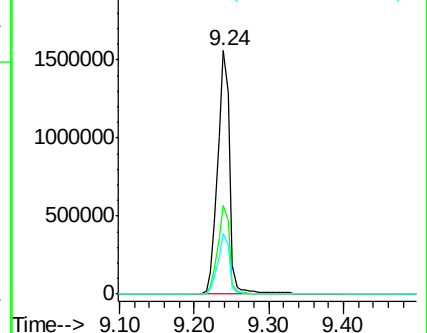
170 24.8 20.5 30.7

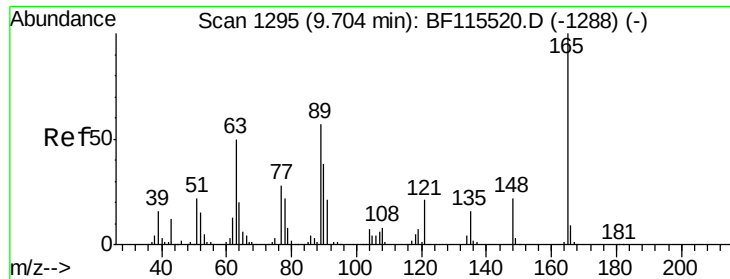


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.414 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF115600.D

Acq: 16 Jul 2019 16:36

Instrument :

BNA_F

ClientSampled :

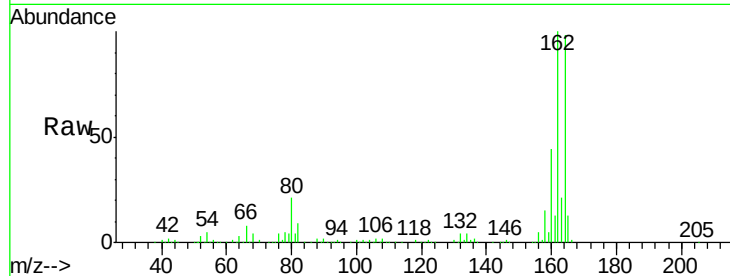
Tot Ion:165 Resp: 39559

Ion Ratio Lower Upper

165 100

63 1.0 40.6 61.0#

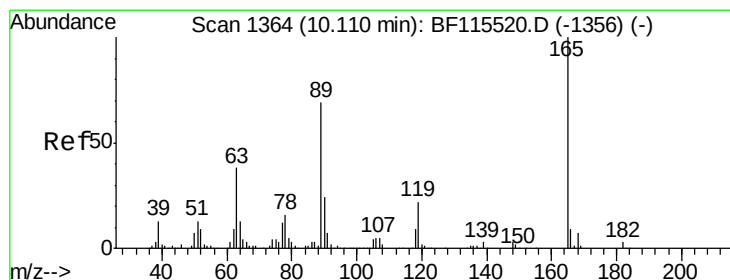
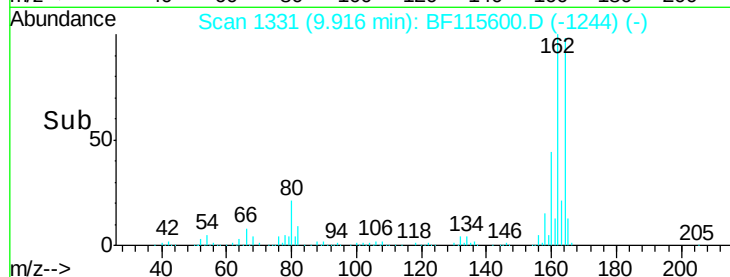
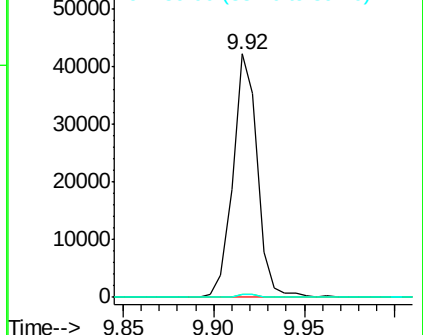
89 1.4 43.9 65.9#



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: 5.722 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF115600.D

Acq: 16 Jul 2019 16:36

Tgt Ion:165 Resp: 39560

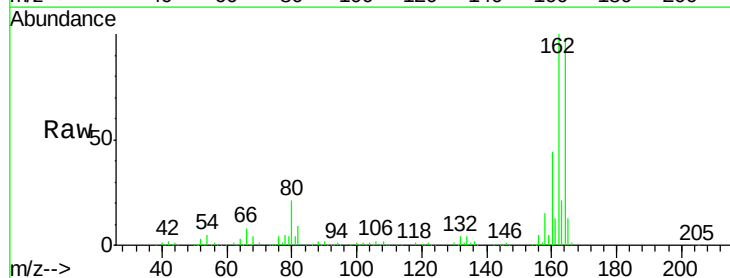
Ion Ratio Lower Upper

165 100

63 1.0 34.9 52.3#

89 1.4 57.5 86.3#

182 0.0 2.2 3.4#

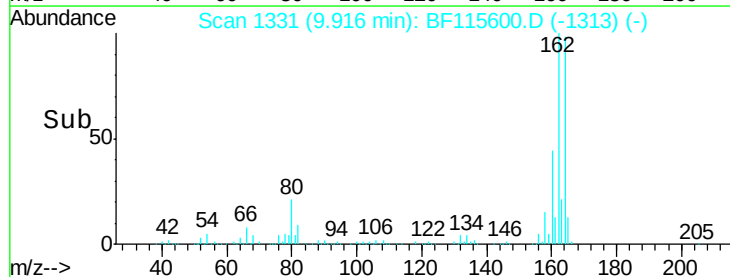
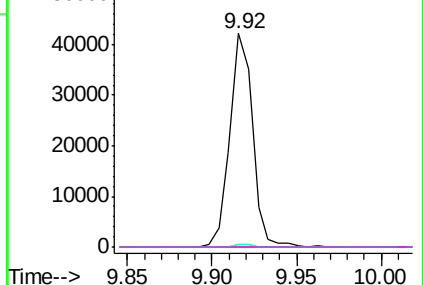


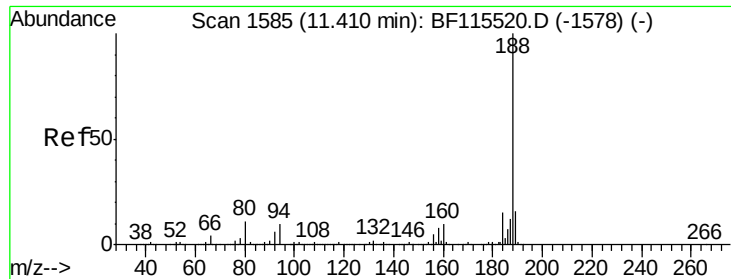
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115600.D

Acq: 16 Jul 2019 16:36

Instrument :

BNA_F

ClientSampleId :

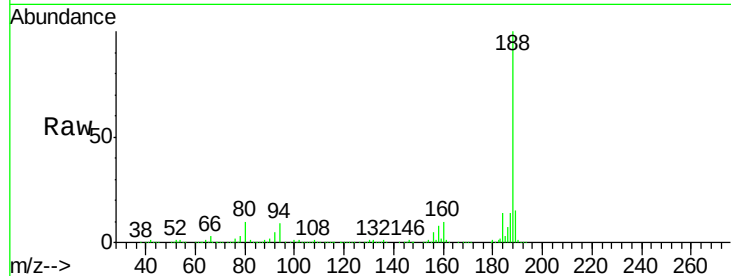
Tot Ion:188 Resp: 601595

Ion Ratio Lower Upper

188 100

94 9.4 7.8 11.6

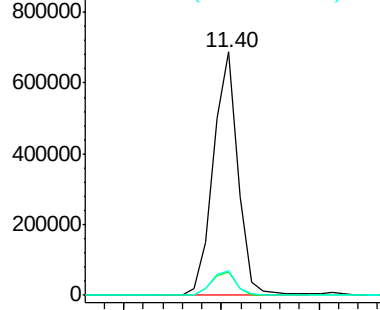
80 10.0 8.6 13.0



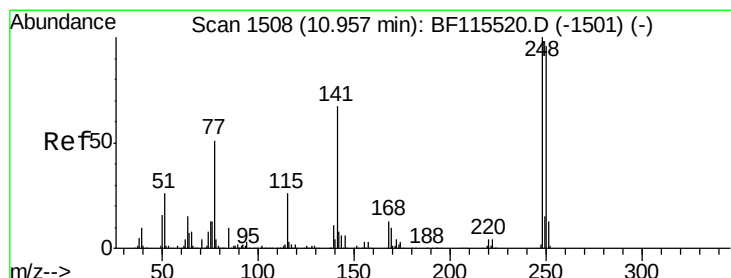
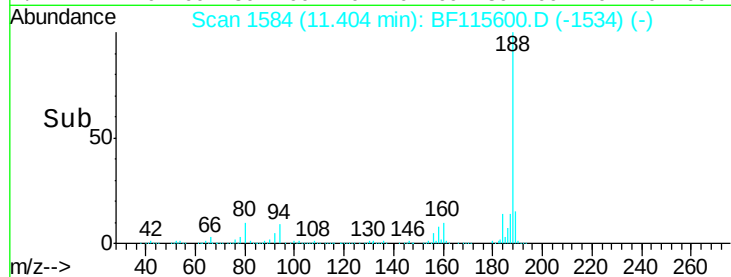
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.136 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.25 min

Lab File: BF115600.D

Acq: 16 Jul 2019 16:36

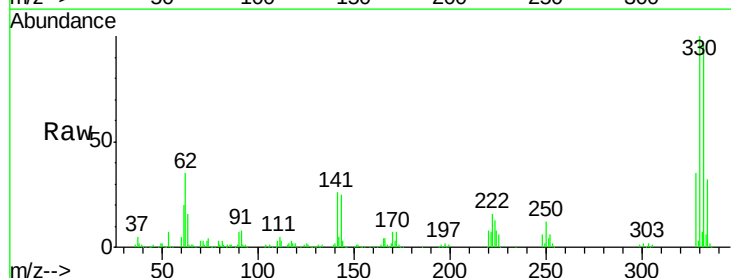
Tgt Ion:248 Resp: 28437

Ion Ratio Lower Upper

248 100

250 207.7 78.0 117.0#

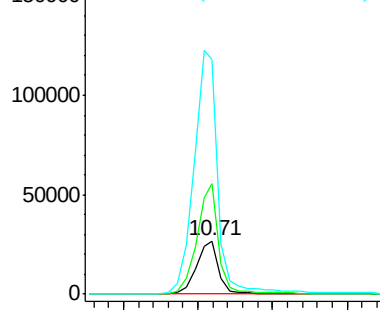
141 441.2 57.7 86.5#



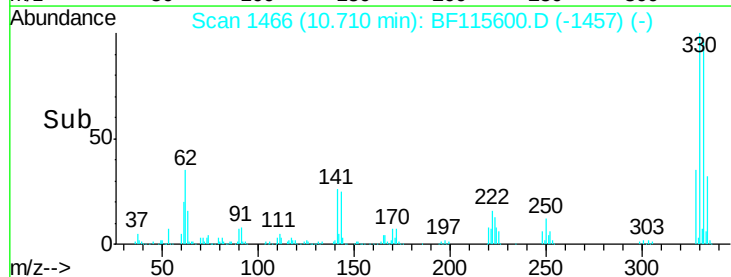
Abundance Ion 248.00 (247.70 to 248.70): E

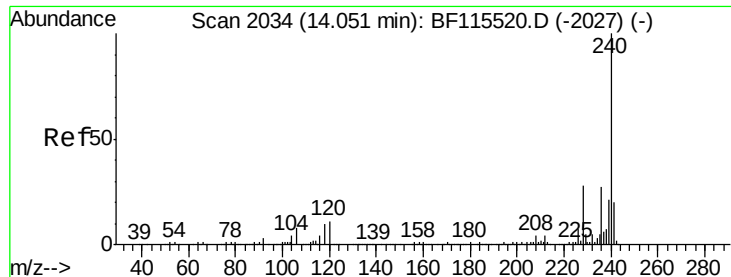
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF115600.D

Acq: 16 Jul 2019 16:36

Instrument :

BNA_F

ClientSampled :

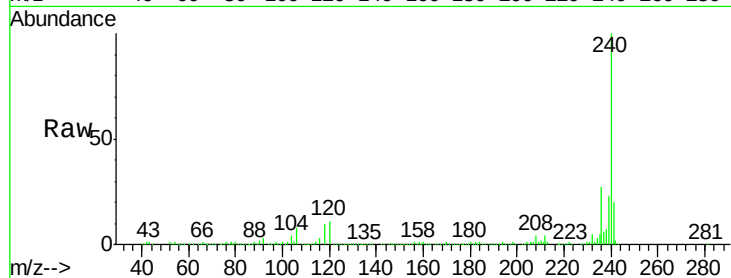
Tot Ion:240 Resp: 385358

Ion Ratio Lower Upper

240 100

120 11.3 8.6 13.0

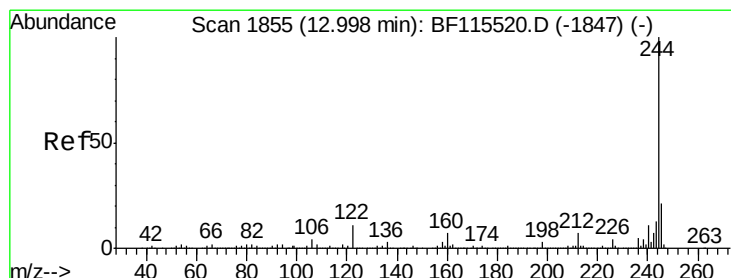
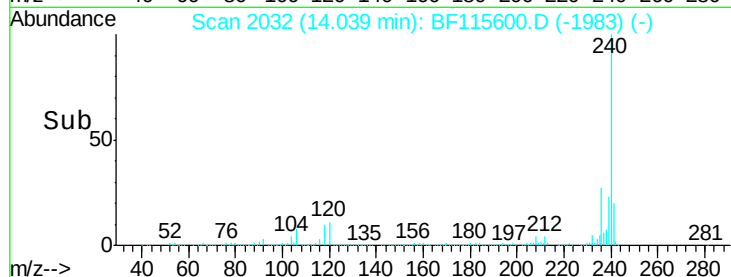
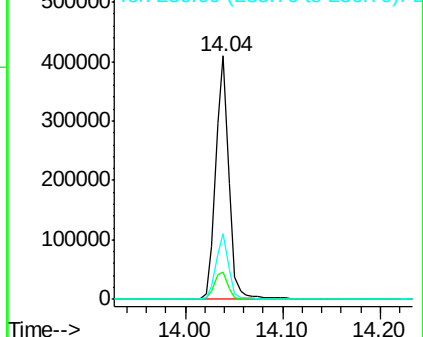
236 27.0 21.3 31.9



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: 88.073 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115600.D

Acq: 16 Jul 2019 16:36

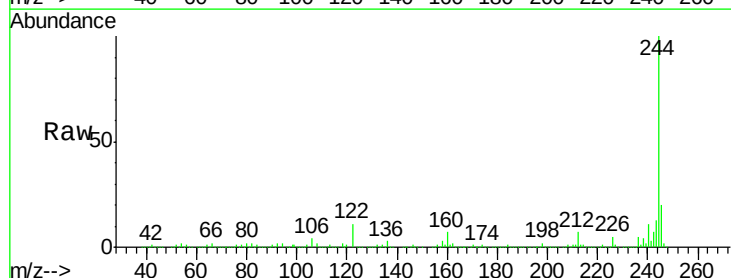
Tgt Ion:244 Resp: 1839382

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

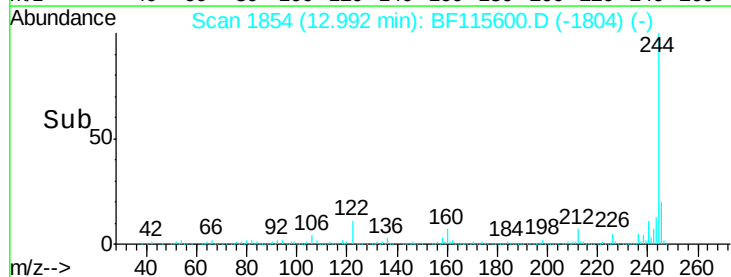
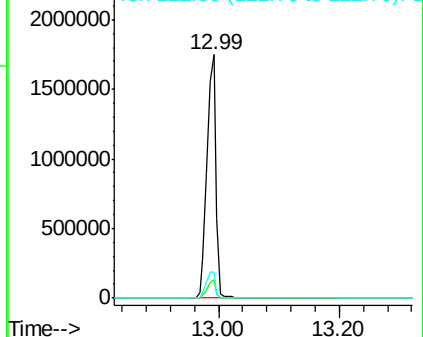
122 10.8 8.6 12.8

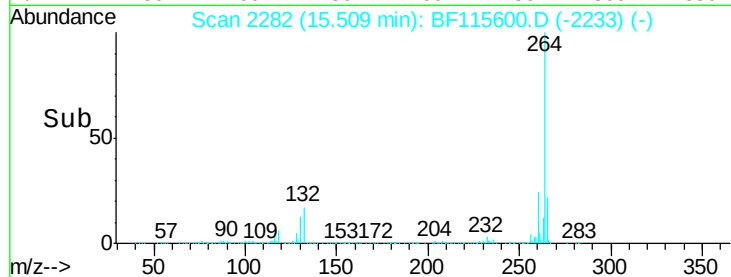
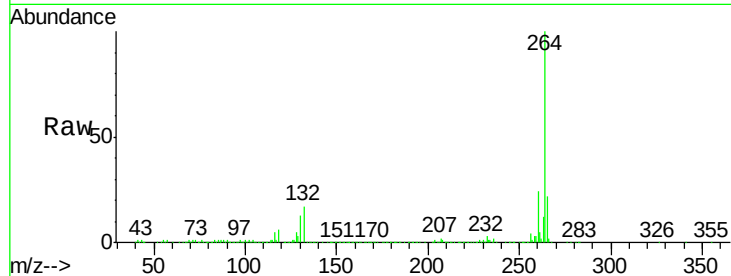
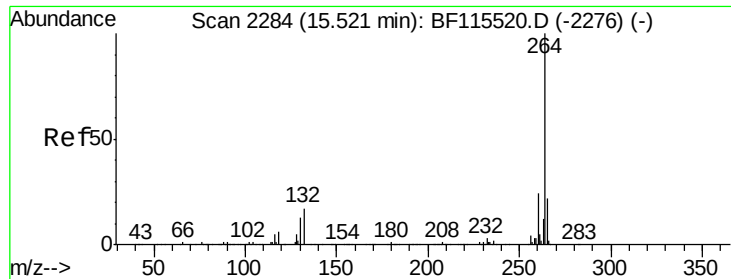


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: BF115600.D
 Acq: 16 Jul 2019 16:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.8
265	22.0	17.7	26.5

