

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116600.D
 Acq On : 27 Aug 2019 23:17
 Operator : HP/JU
 Sample : K4528-27
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 06:39:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

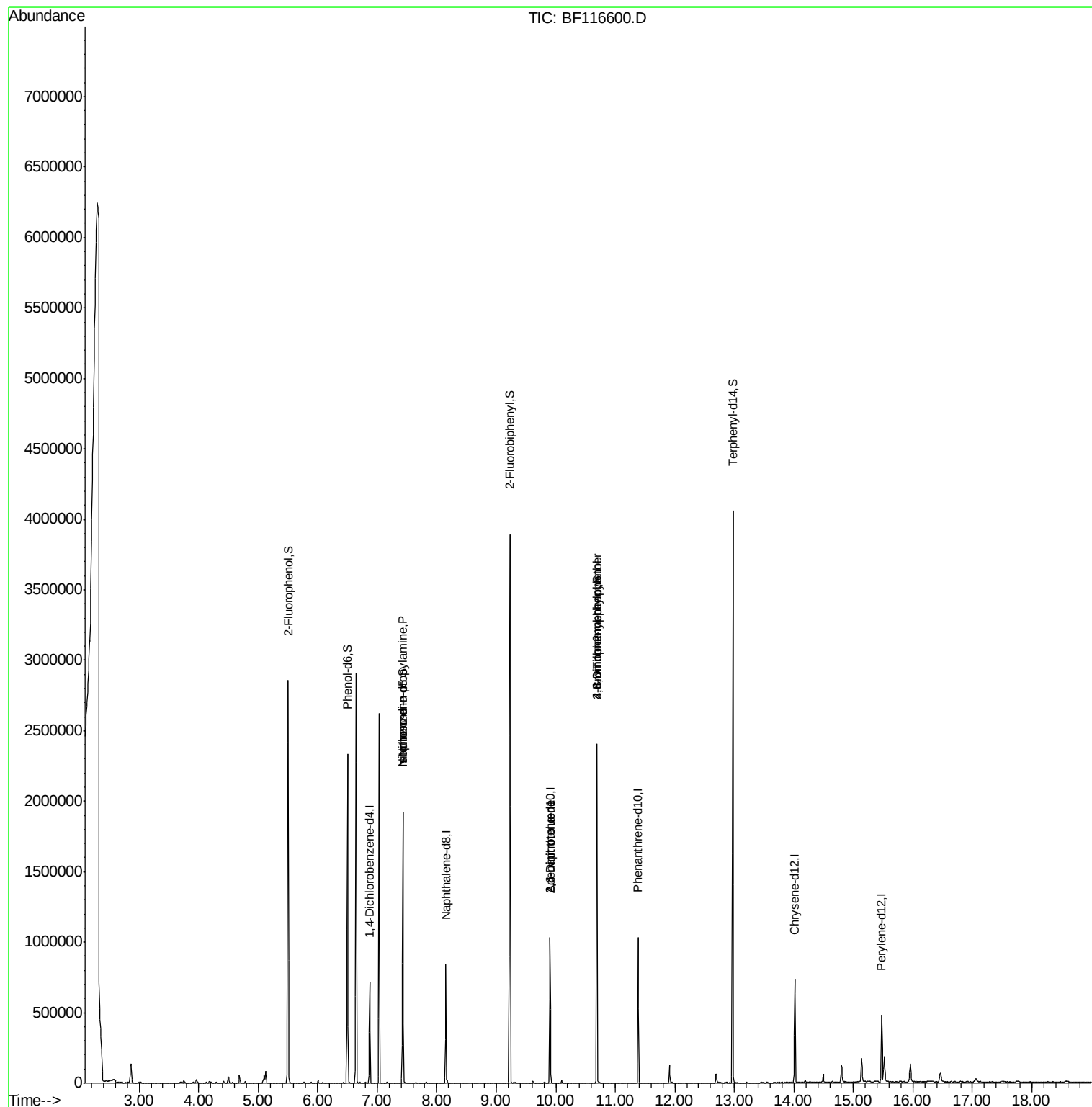
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	92431	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	353508	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	188889	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	338735	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	235976	20.00	ng	-0.02
87) Perylene-d12	15.48	264	223930	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	821292	129.83	ng	0.00
7) Phenol-d6	6.50	99	800940	103.26	ng	0.00
23) Nitrobenzene-d5	7.43	82	642632	99.46	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	275986	170.16	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1143433	97.49	ng	-0.01
79) Terphenyl-d14	12.97	244	1366573	108.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	86092	16.266	ng	# 77
25) Isophorone	7.43	82	642626	50.468	ng	# 67
51) 2,6-Dinitrotoluene	9.90	165	24337	9.022	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	24337	7.090	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.69	198	591	7.369	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	17873	5.033	ng	# 1

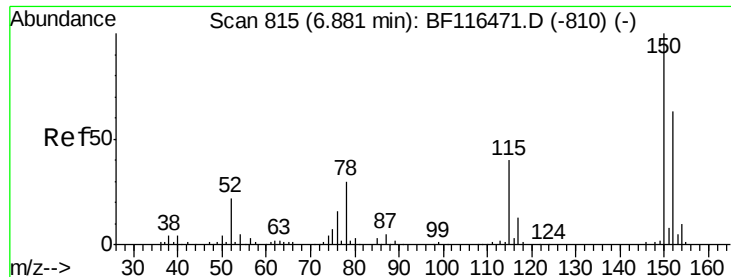
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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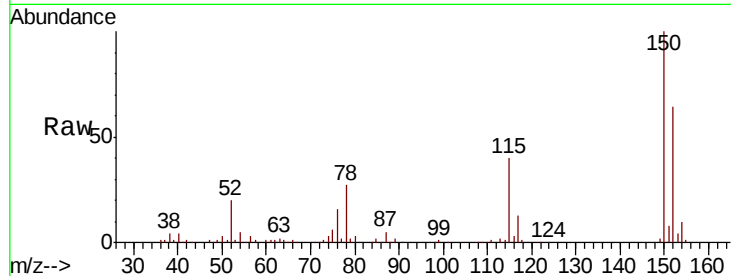


#1

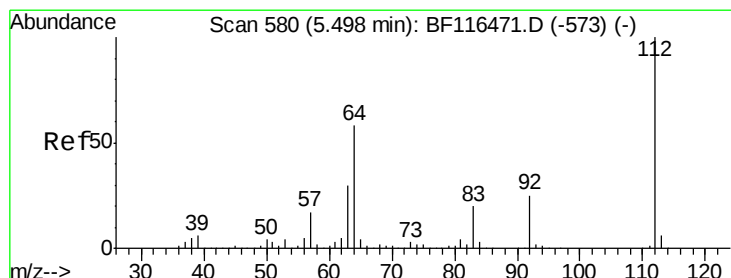
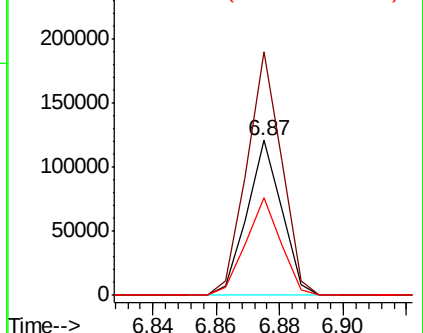
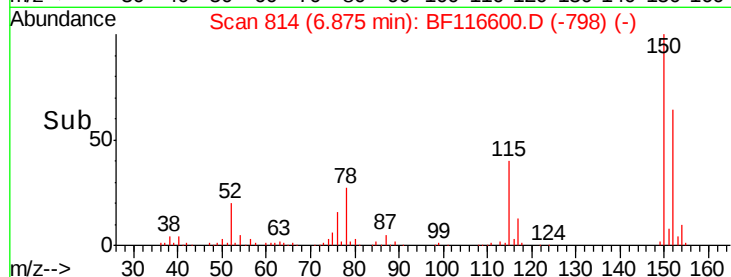
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116600.D
Acq: 27 Aug 2019 23:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 92431
Ion Ratio Lower Upper
152 100
150 156.8 126.7 190.1
115 63.3 50.9 76.3



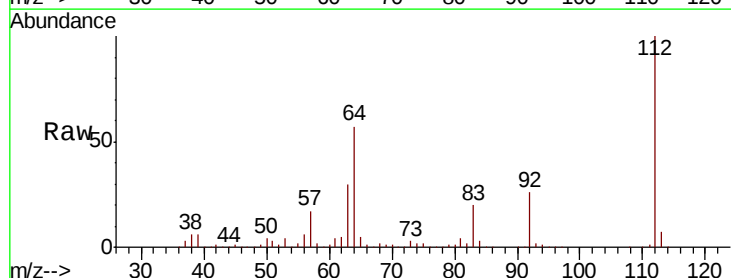
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



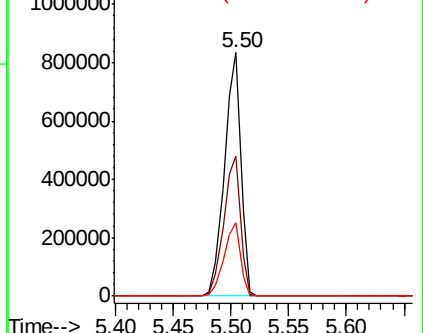
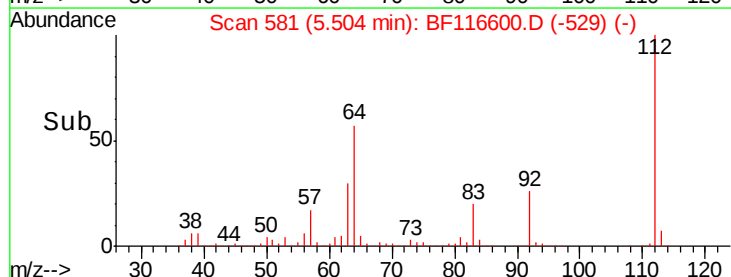
#5

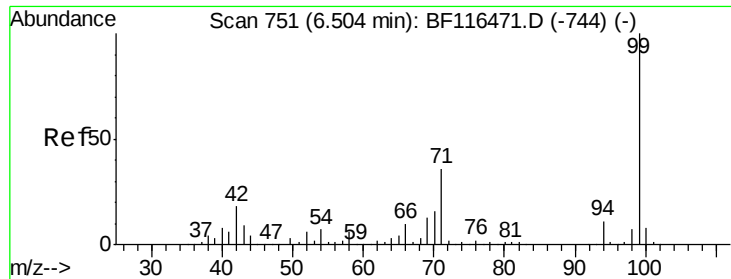
2-Fluorophenol
Concen: 129.830 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116600.D
Acq: 27 Aug 2019 23:17

Tgt Ion:112 Resp: 821292
Ion Ratio Lower Upper
112 100
64 57.2 46.3 69.5
63 30.0 24.2 36.4



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: 103.260 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116600.D

Acq: 27 Aug 2019 23:17

Instrument :

BNA_F

ClientSampleId :

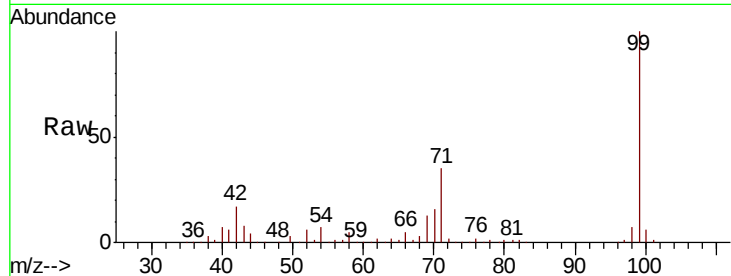
Tot Ion: 99 Resp: 800940

Ion Ratio Lower Upper

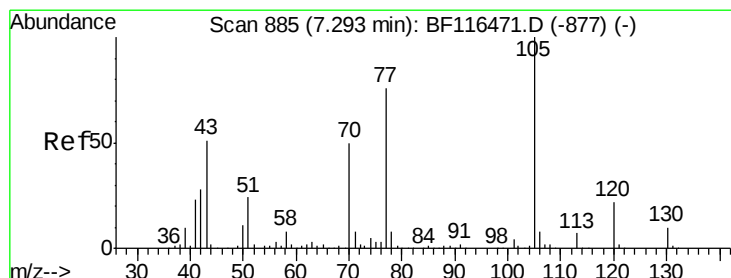
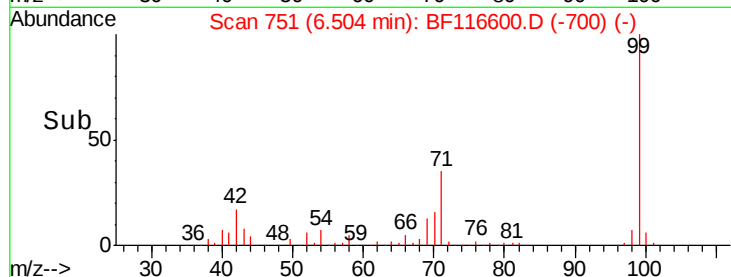
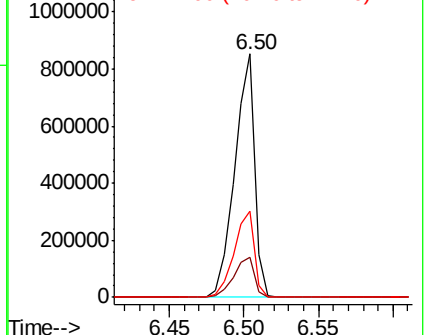
99 100

42 16.6 14.6 21.8

71 35.5 28.5 42.7



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: 16.266 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF116600.D

Acq: 27 Aug 2019 23:17

Tgt Ion: 70 Resp: 86092

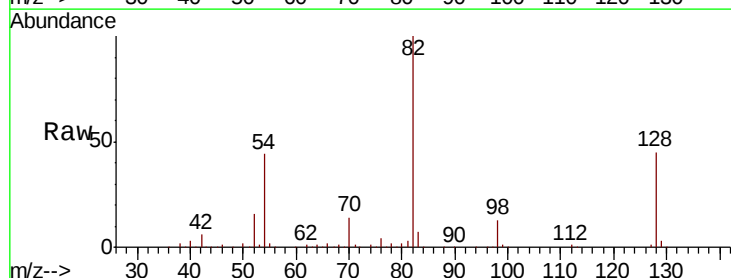
Ion Ratio Lower Upper

70 100

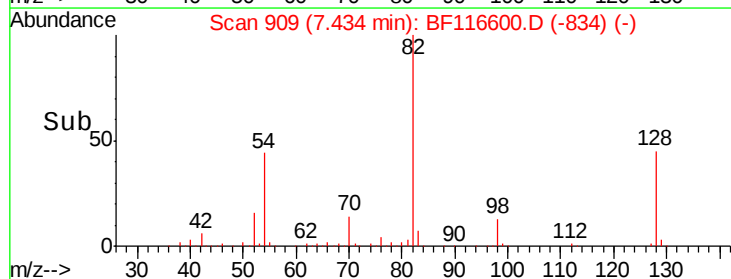
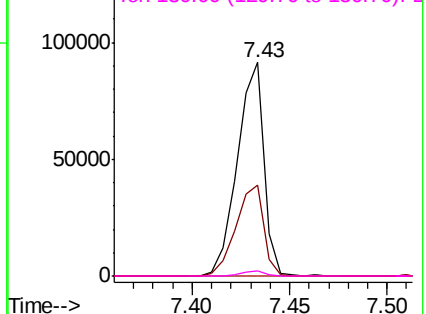
42 42.8 44.4 66.6#

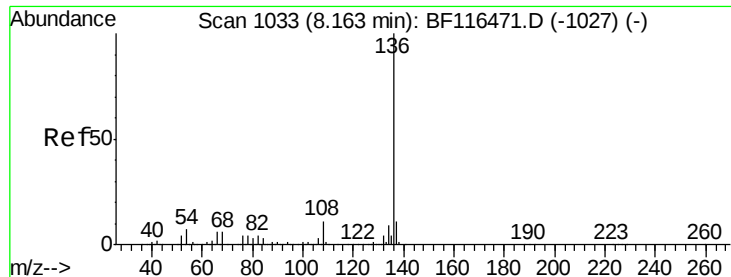
101 0.0 7.1 10.7#

130 2.4 15.8 23.8#



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: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF116600.D

Acq: 27 Aug 2019 23:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 353508

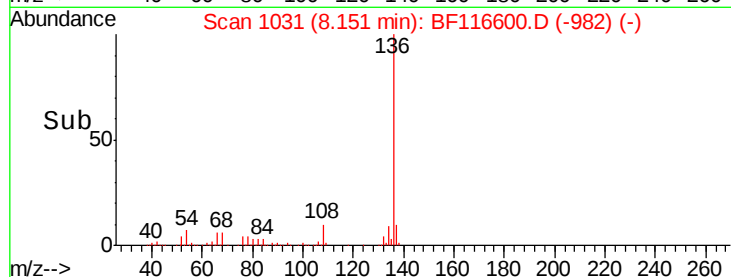
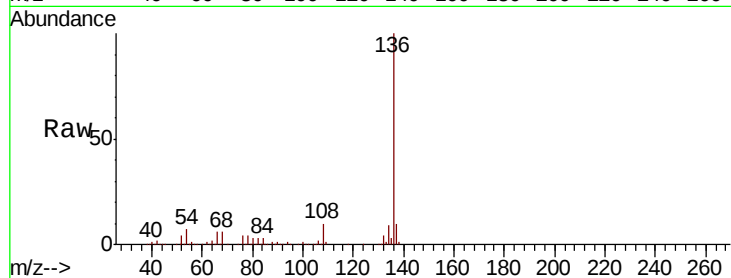
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 6.6 5.8 8.6

68 5.8 5.1 7.7

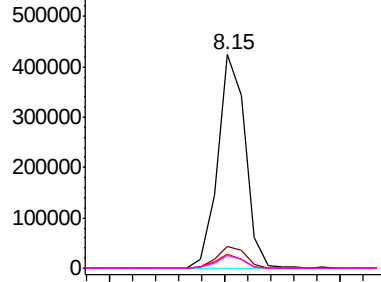


Abundance Ion 136.00 (135.70 to 136.70): E

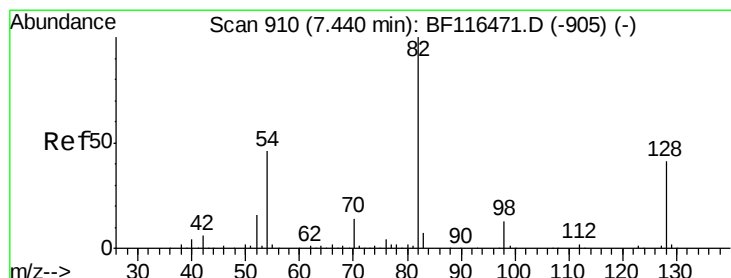
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time--> 8.10 8.15 8.20



#23

Nitrobenzene-d5

Concen: 99.456 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF116600.D

Acq: 27 Aug 2019 23:17

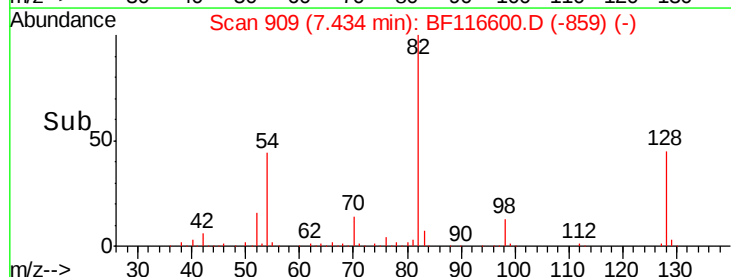
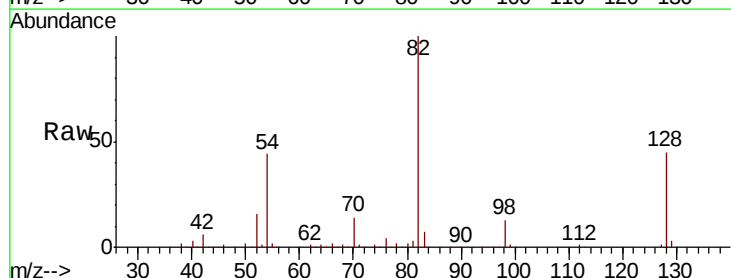
Tgt Ion: 82 Resp: 642632

Ion Ratio Lower Upper

82 100

128 45.1 32.2 48.4

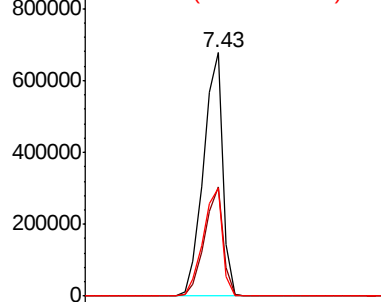
54 44.3 36.5 54.7



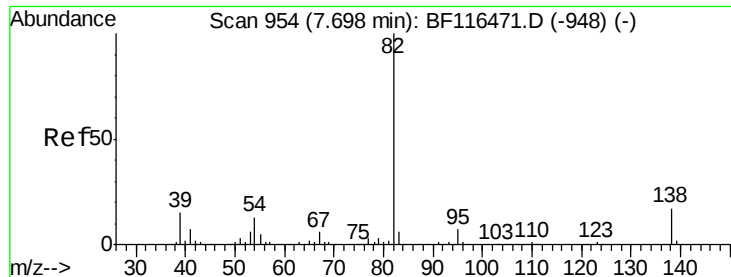
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time--> 7.35 7.40 7.45 7.50



#25

Isophorone

Concen: 50.468 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF116600.D

Acq: 27 Aug 2019 23:17

Instrument :

BNA_F

ClientSampleId :

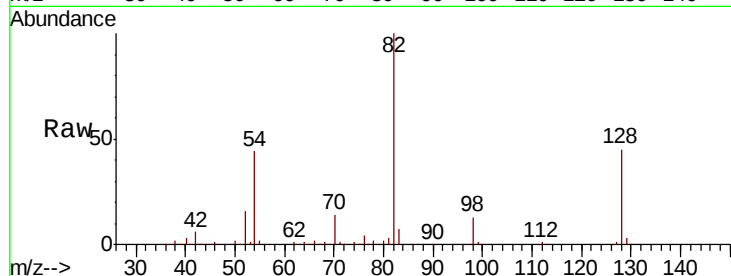
Tot Ion: 82 Resp: 642626

Ion Ratio Lower Upper

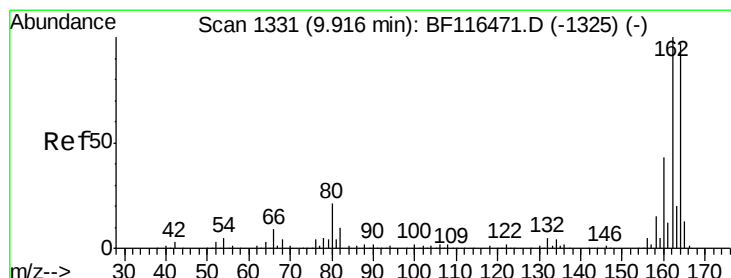
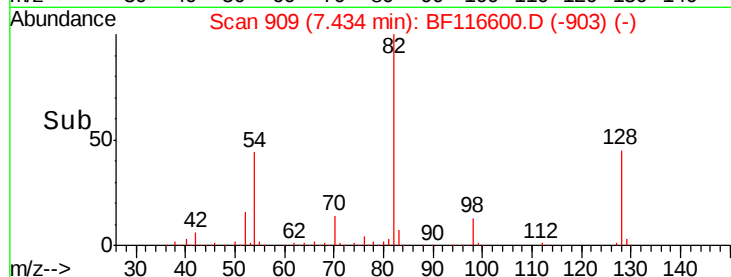
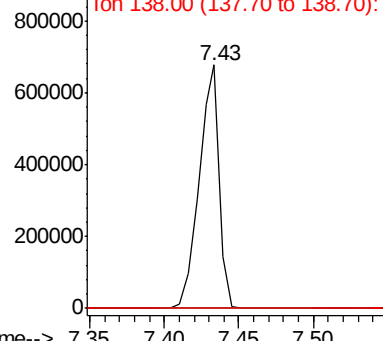
82 100

95 0.0 5.3 7.9#

138 0.0 13.3 19.9#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF116600.D

Acq: 27 Aug 2019 23:17

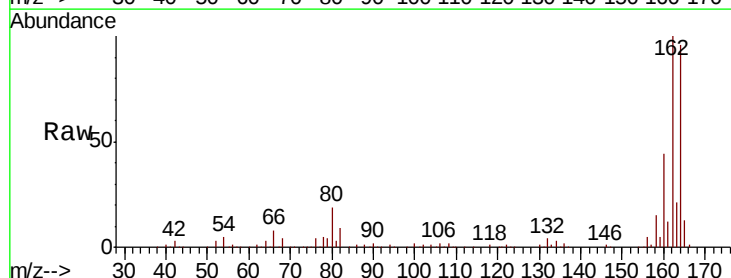
Tgt Ion: 164 Resp: 188889

Ion Ratio Lower Upper

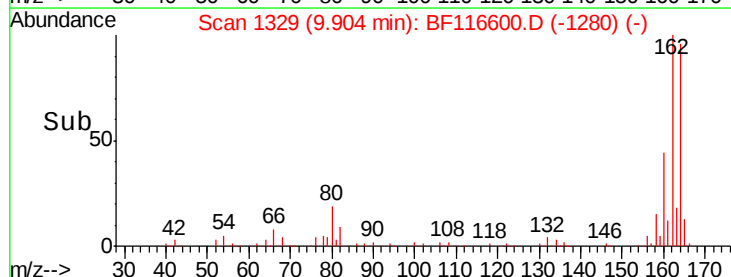
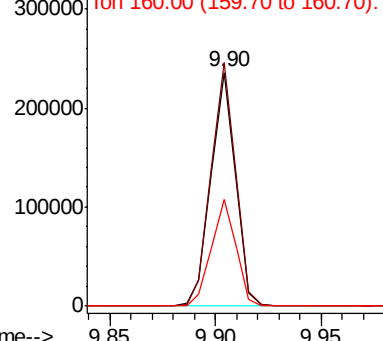
164 100

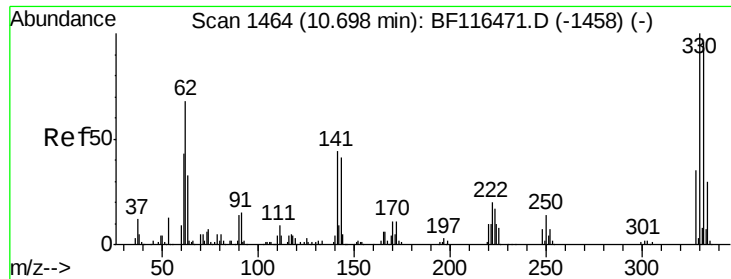
162 104.2 82.6 123.8

160 45.5 35.8 53.8



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

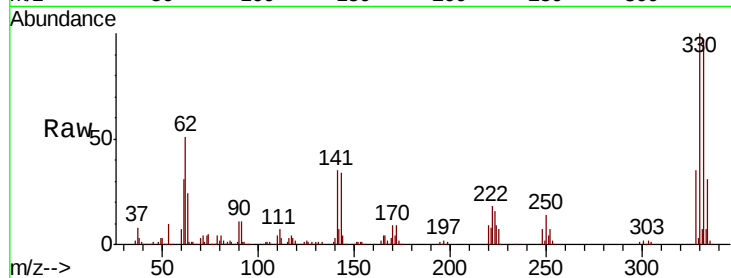




#42
 2,4,6-Tribromophenol
 Concen: 170.158 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF116600.D
 Acq: 27 Aug 2019 23:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.2	115.8
141	37.1	33.3	49.9

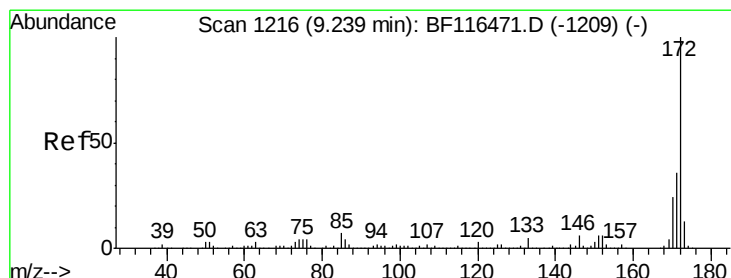
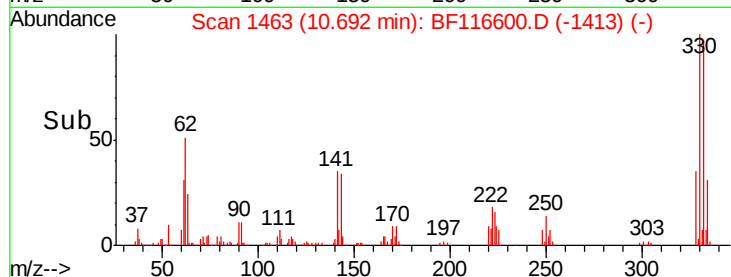
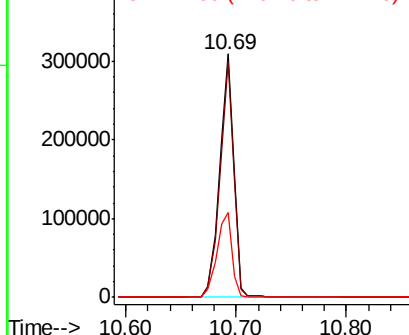


Abundance

Ion 329.80 (329.50 to 330.50): E

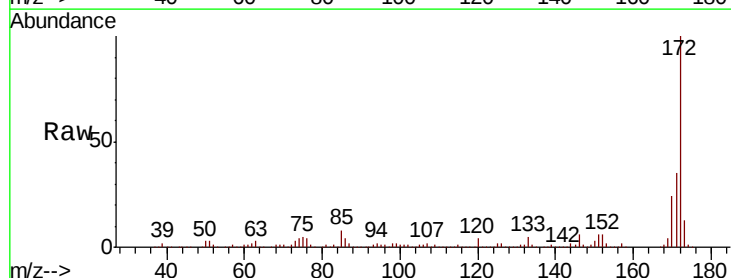
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 97.485 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF116600.D
 Acq: 27 Aug 2019 23:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.9	43.3
170	23.7	19.4	29.0

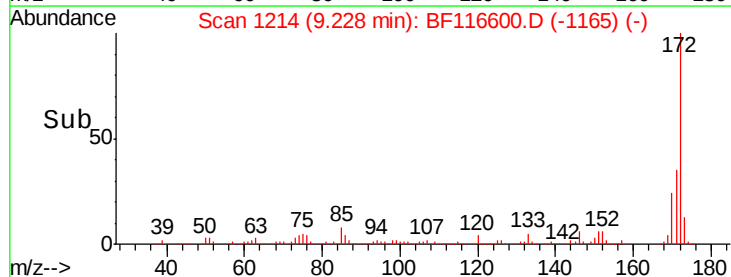
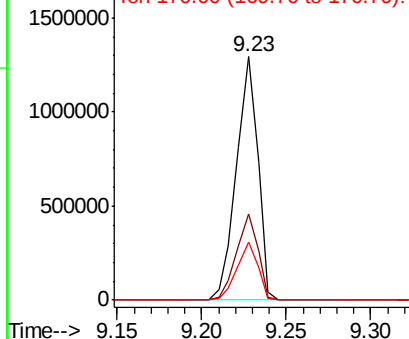


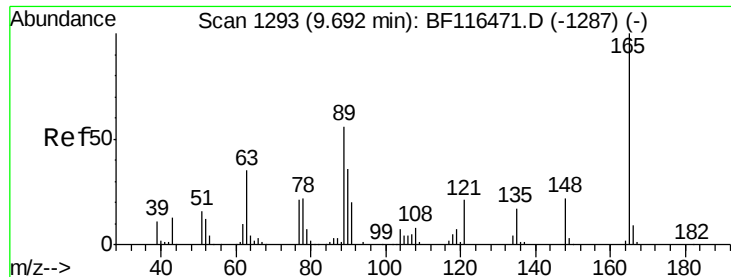
Abundance

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

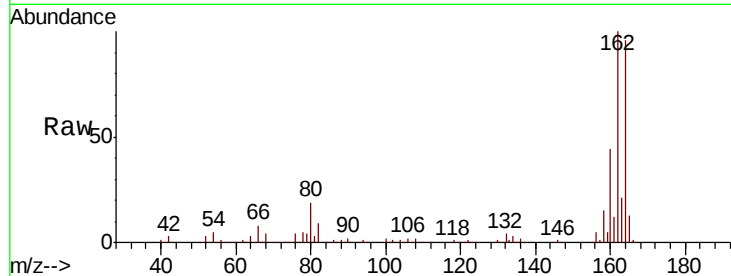




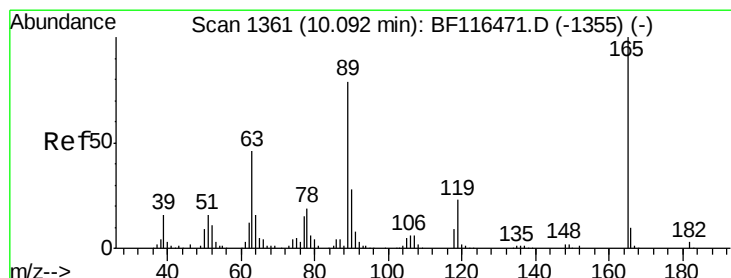
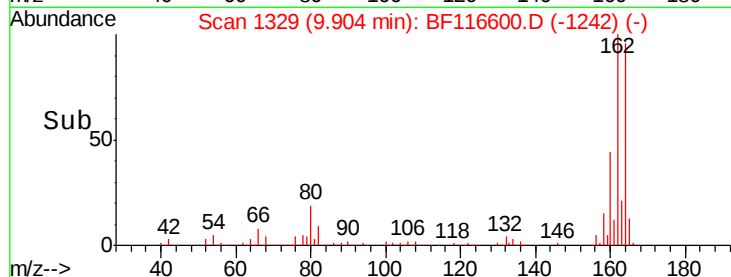
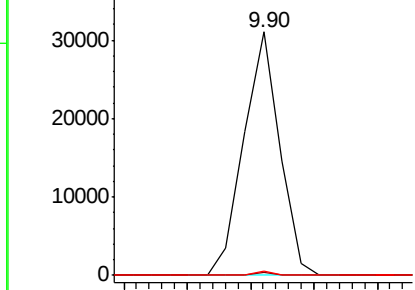
#51
 2,6-Dinitrotoluene
 Concen: 9.022 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.21 min
 Lab File: BF116600.D
 Acq: 27 Aug 2019 23:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	43.7	65.5#
89	1.8	45.1	67.7#



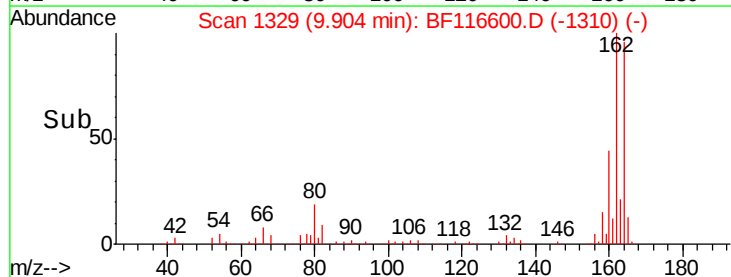
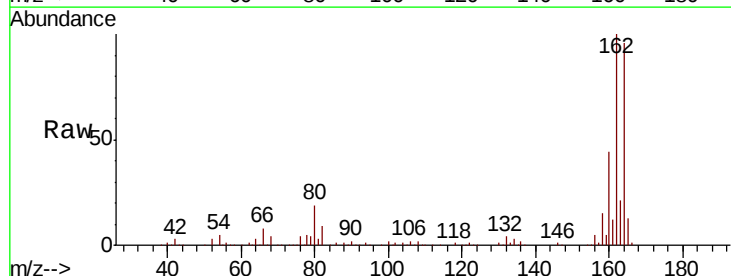
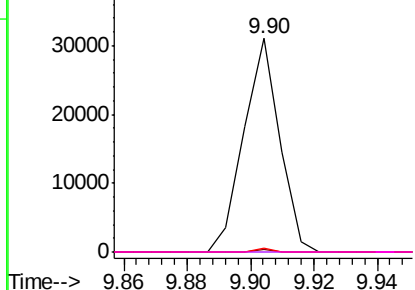
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

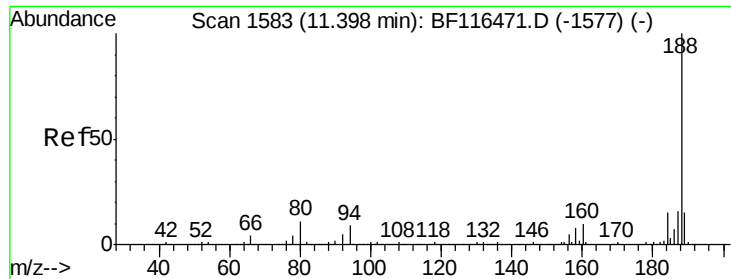


#57
 2,4-Dinitrotoluene
 Concen: 7.090 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.19 min
 Lab File: BF116600.D
 Acq: 27 Aug 2019 23:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.9	55.3#
89	1.8	63.4	95.0#
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

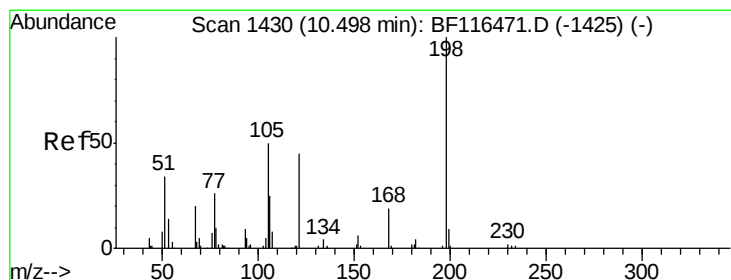
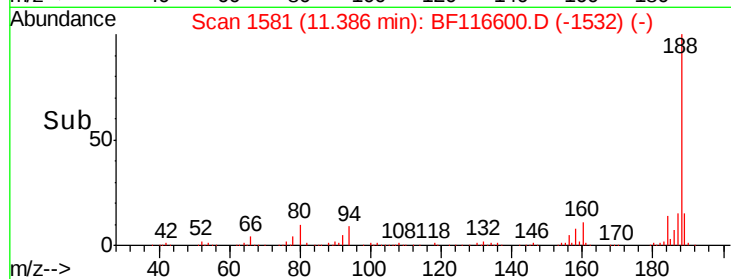
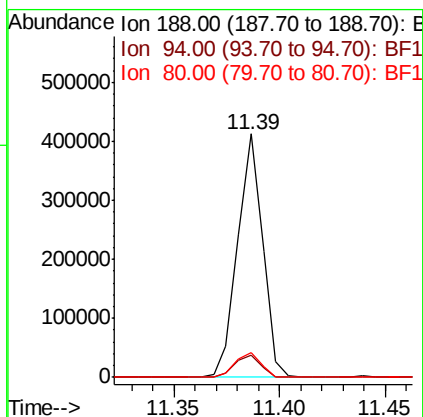
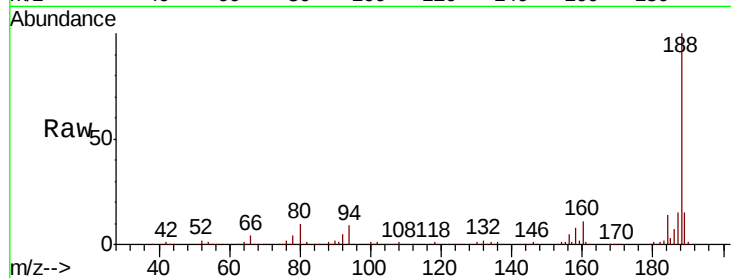




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF116600.D
 Acq: 27 Aug 2019 23:17

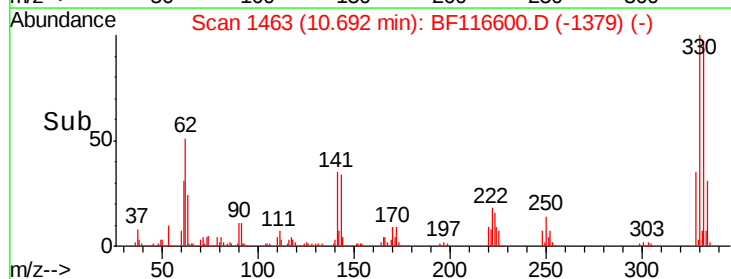
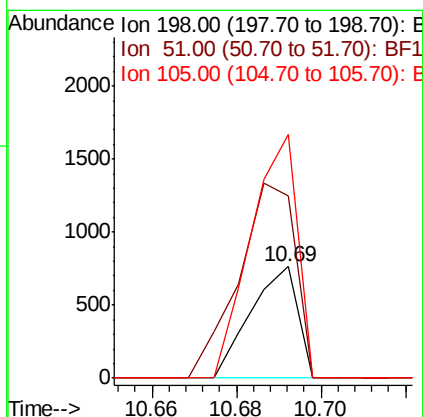
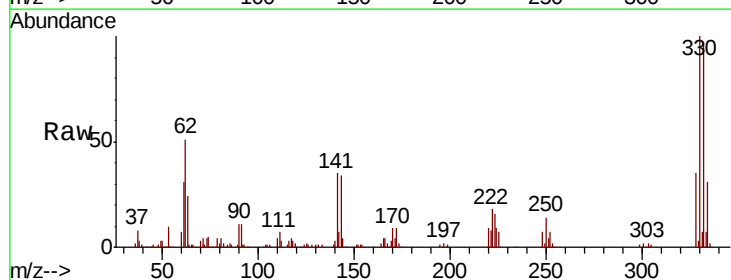
Instrument :
 BNA_F
 ClientSampleId :

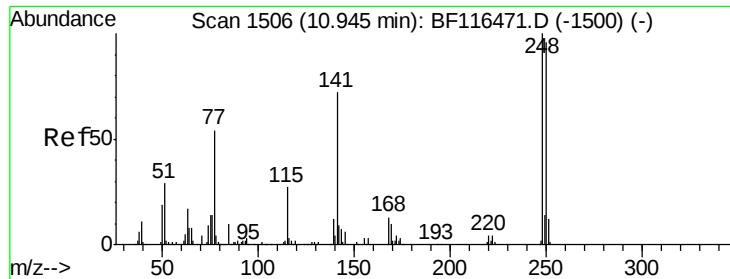
Tot Ion:188 Resp: 338735
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.4 11.2
 80 10.3 8.6 12.8



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.369 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.19 min
 Lab File: BF116600.D
 Acq: 27 Aug 2019 23:17

Tgt Ion:198 Resp: 591
 Ion Ratio Lower Upper
 198 100
 51 162.7 30.4 70.4#
 105 217.9 32.8 72.8#

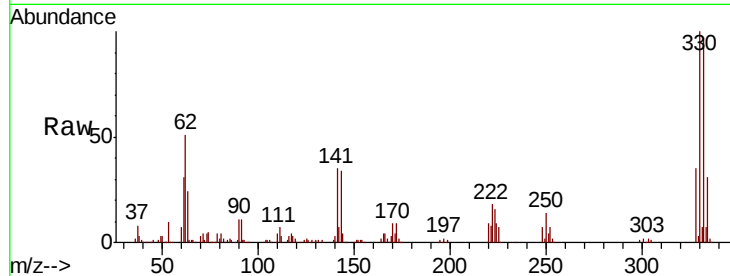




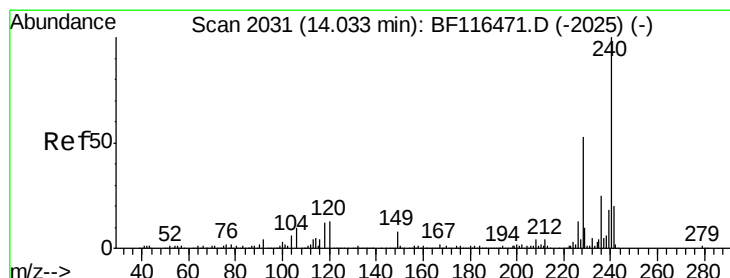
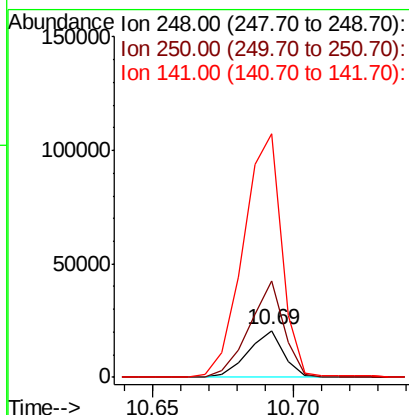
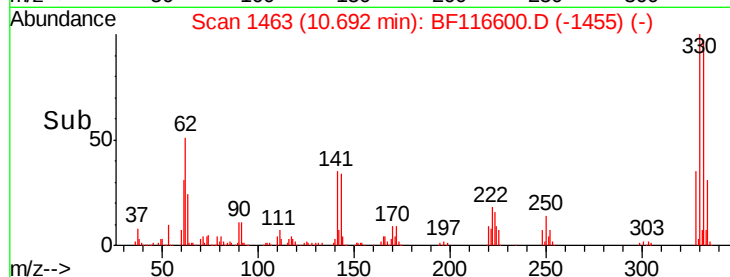
#67
4-Bromophenyl-phenylether
Concen: 5.033 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.25 min
Lab File: BF116600.D
Acq: 27 Aug 2019 23:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 17873
Ion Ratio Lower Upper
248 100
250 203.5 77.0 115.6#
141 516.6 57.4 86.0#

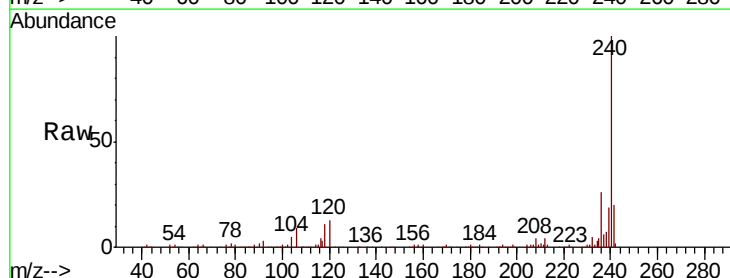


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

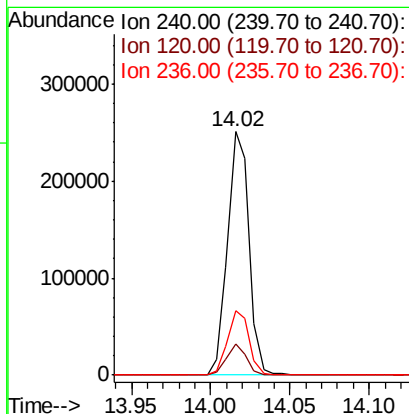
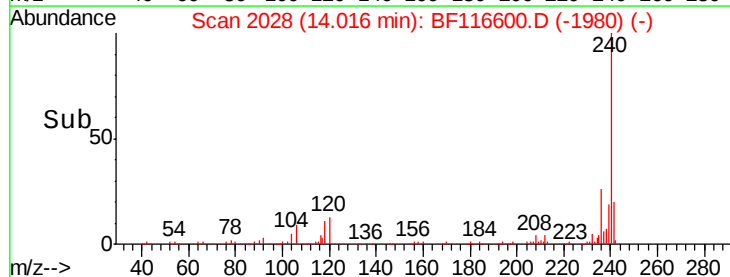


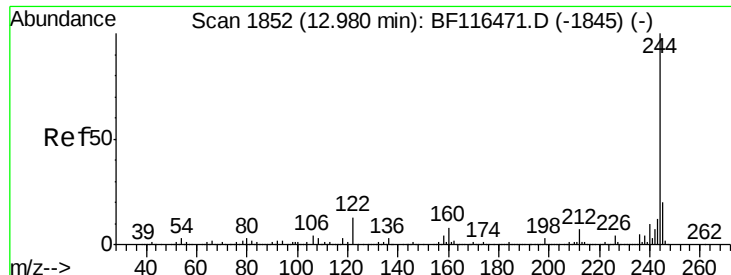
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF116600.D
Acq: 27 Aug 2019 23:17

Tgt Ion:240 Resp: 235976
Ion Ratio Lower Upper
240 100
120 12.8 10.5 15.7
236 26.4 20.2 30.2



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

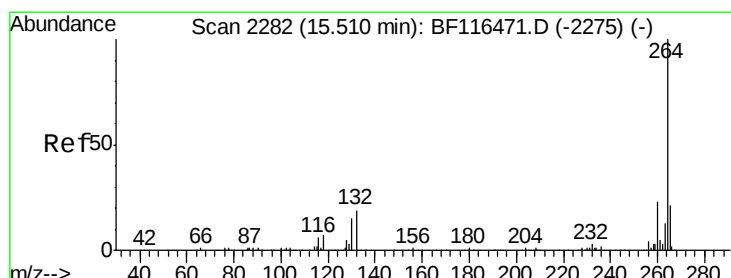
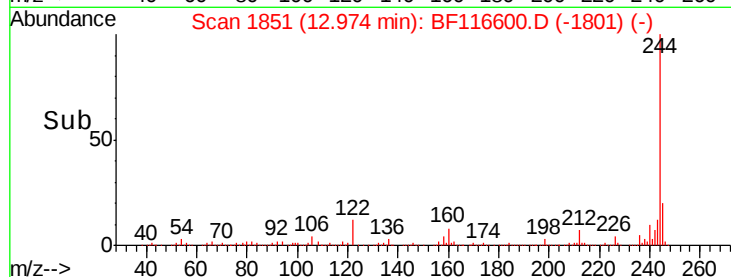
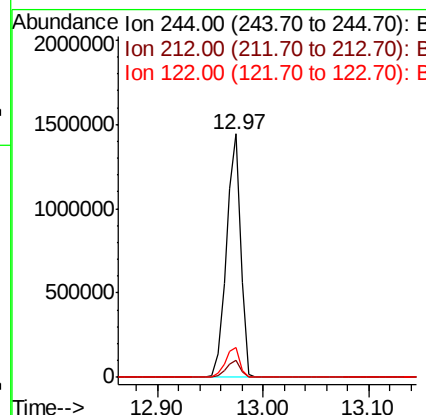
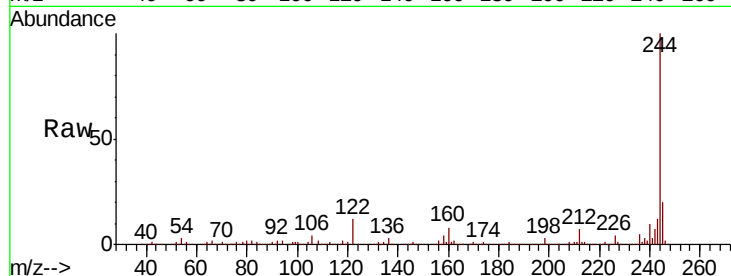




#79
 Terphenyl-d14
 Concen: 108.173 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF116600.D
 Acq: 27 Aug 2019 23:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1366573
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 12.1 10.2 15.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. -0.03 min
 Lab File: BF116600.D
 Acq: 27 Aug 2019 23:17

Tgt Ion:264 Resp: 223930
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.8 28.2
 265 21.5 17.1 25.7

