

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116593.D
 Acq On : 27 Aug 2019 20:07
 Operator : HP/JU
 Sample : K4516-27
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 06:37:44 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

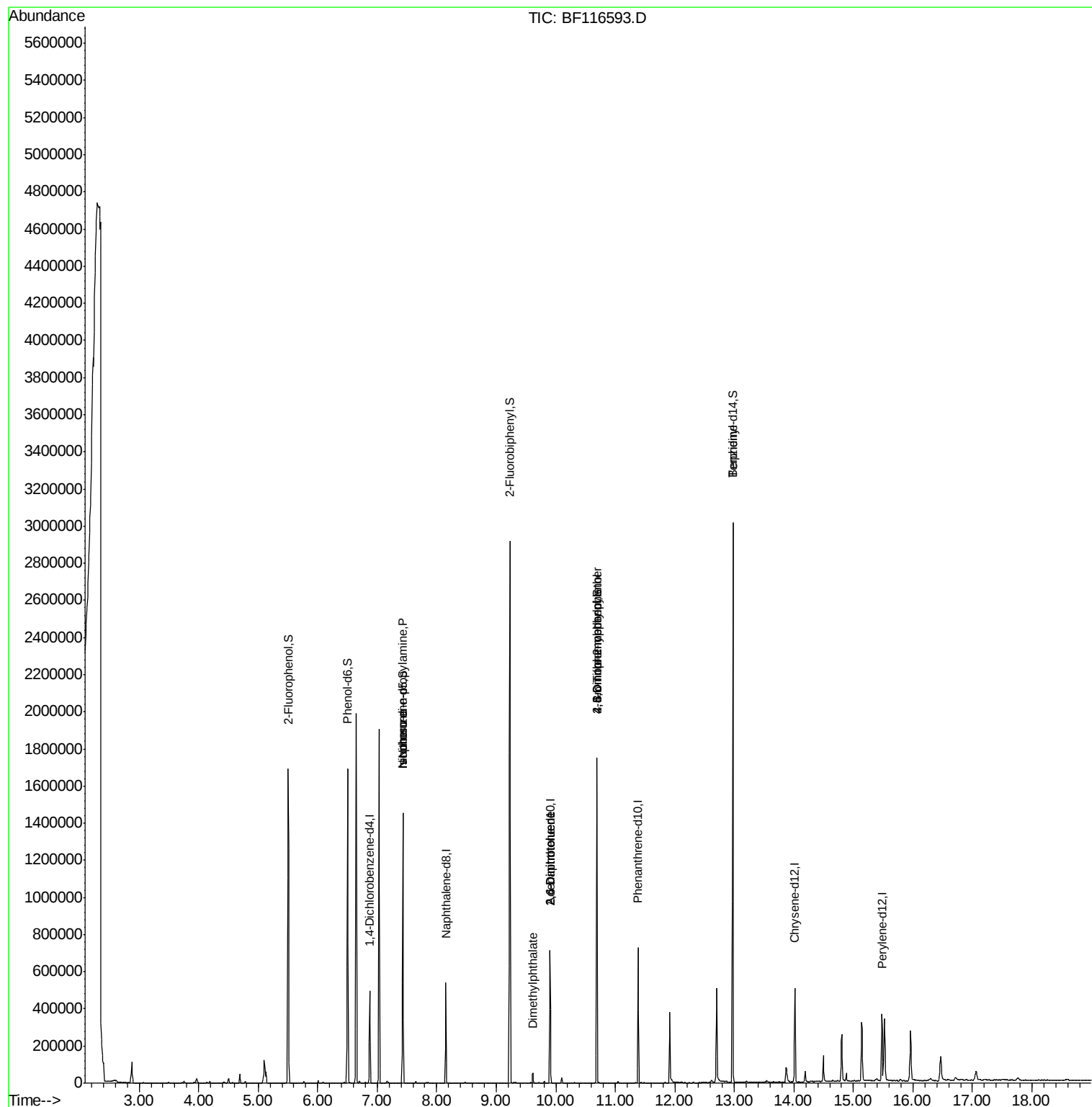
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	63137	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	243014	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	131305	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	233491	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	163011	20.00	ng	-0.02
87) Perylene-d12	15.48	264	160094	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	481002	111.32	ng	0.00
7) Phenol-d6	6.50	99	563048	106.27	ng	0.00
23) Nitrobenzene-d5	7.43	82	451740	101.70	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	189639	168.20	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	822943	100.93	ng	-0.01
79) Terphenyl-d14	12.97	244	950205	108.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	61493	17.009	ng	# 79
25) Isophorone	7.43	82	451735	51.607	ng	# 67
50) Dimethylphthalate	9.62	163	21627	2.361	ng	# 99
51) 2,6-Dinitrotoluene	9.90	165	17076	9.106	ng	# 25
57) 2,4-Dinitrotoluene	9.90	165	17076	7.157	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.69	198	390	7.353	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	12930	5.282	ng	# 1
77) Benzidine	12.97	184	13749	2.096	ng	# 96

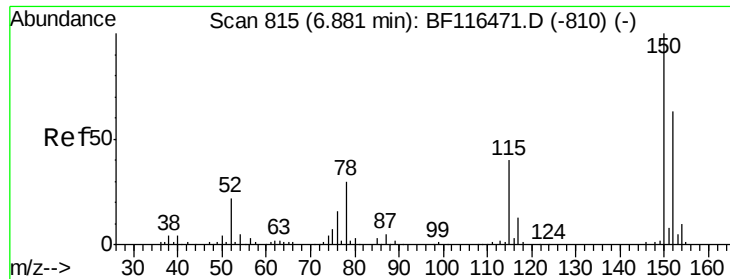
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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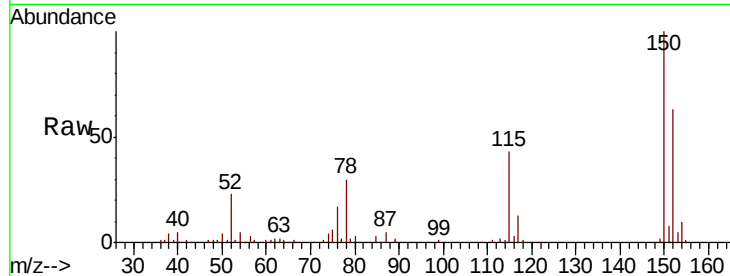


#1

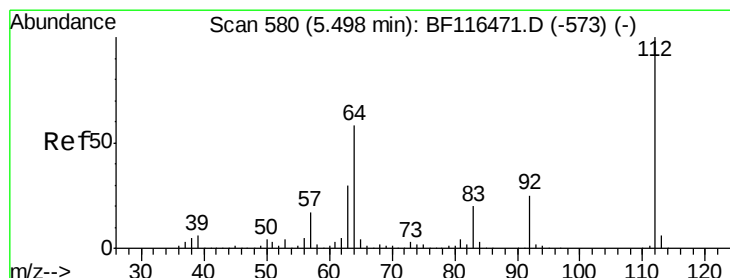
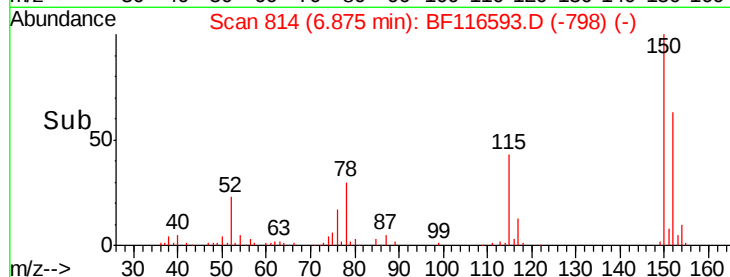
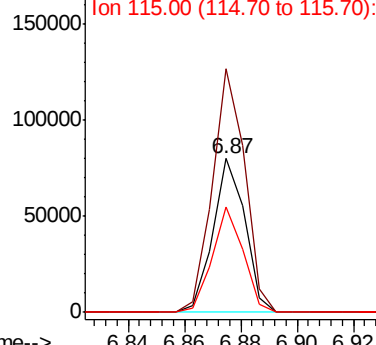
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 63137
Ion Ratio Lower Upper
152 100
150 158.3 126.7 190.1
115 68.4 50.9 76.3



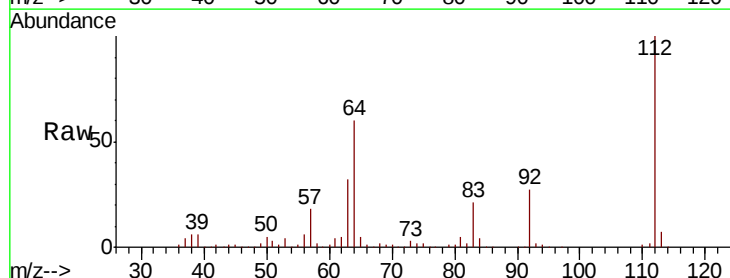
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



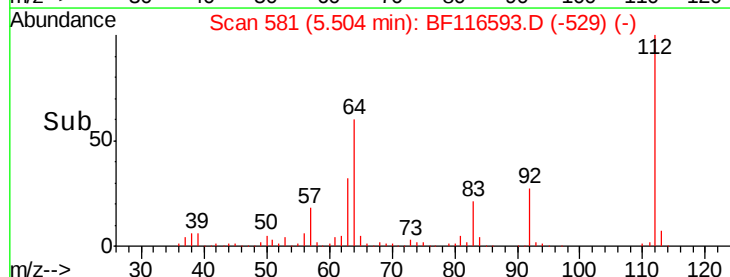
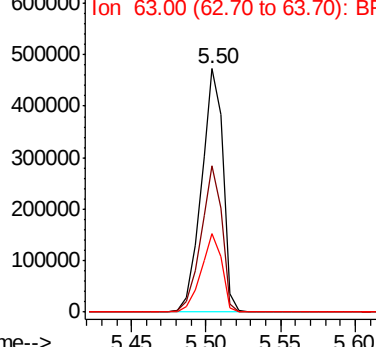
#5

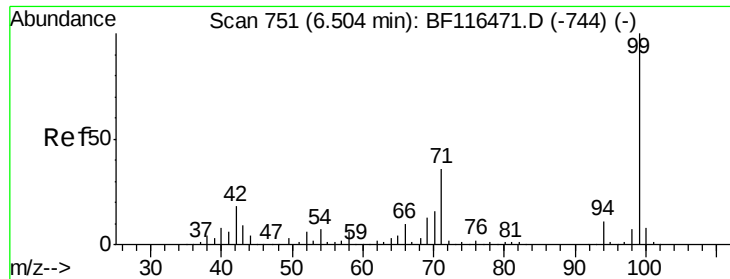
2-Fluorophenol
Concen: 111.316 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

Tgt Ion:112 Resp: 481002
Ion Ratio Lower Upper
112 100
64 60.1 46.3 69.5
63 32.2 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: 106.270 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116593.D

Acq: 27 Aug 2019 20:07

Instrument :

BNA_F

ClientSampleId :

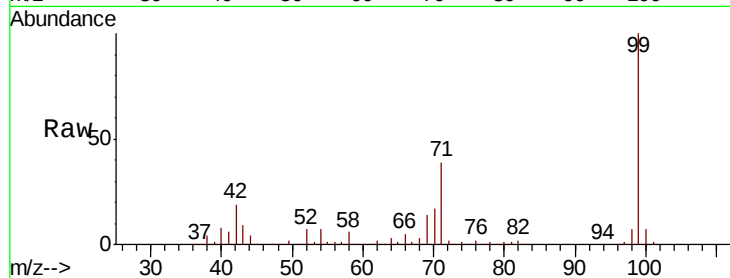
Tot Ion: 99 Resp: 563048

Ion Ratio Lower Upper

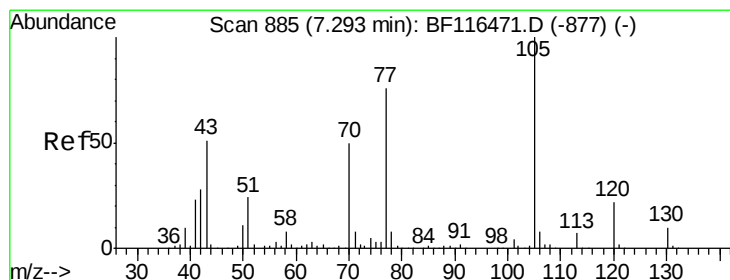
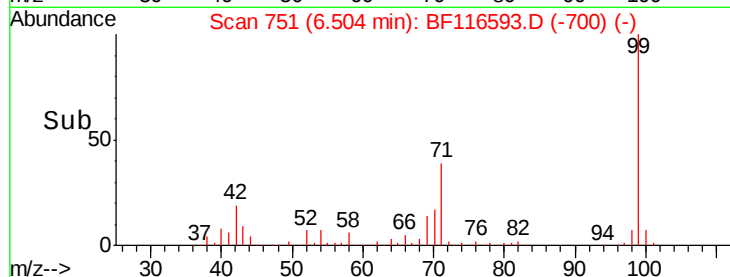
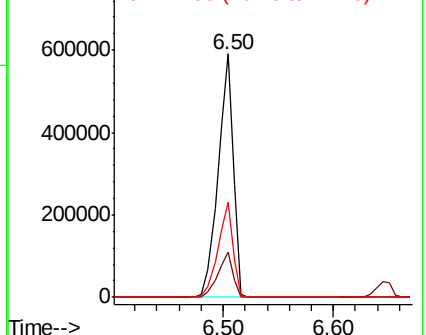
99 100

42 18.7 14.6 21.8

71 39.0 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: 17.009 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF116593.D

Acq: 27 Aug 2019 20:07

Tgt Ion: 70 Resp: 61493

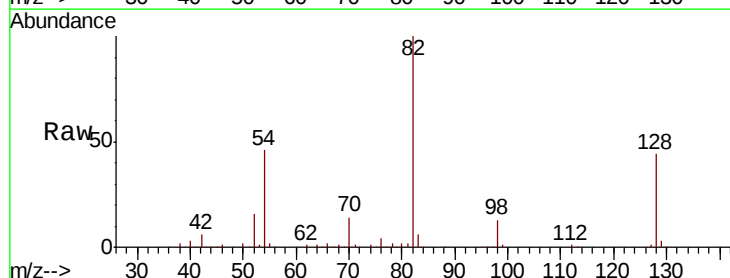
Ion Ratio Lower Upper

70 100

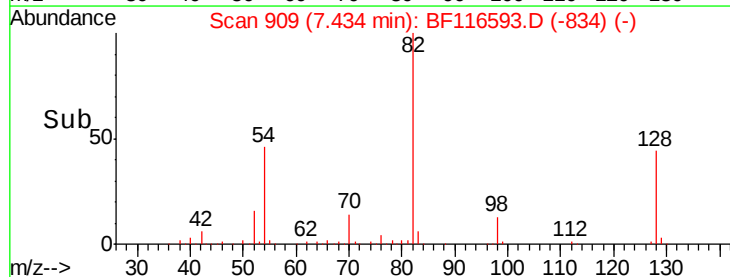
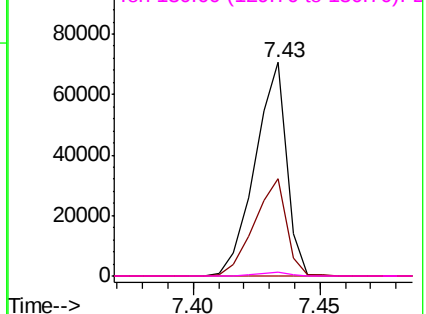
42 45.3 44.4 66.6

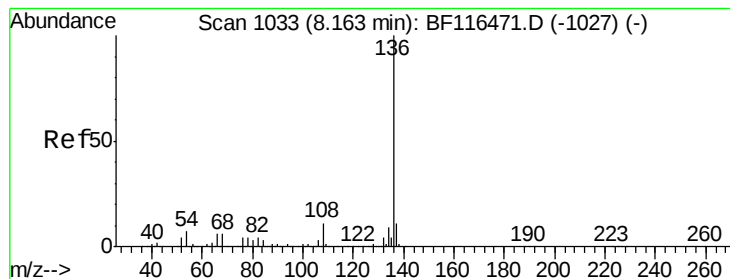
101 0.0 7.1 10.7#

130 2.1 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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF116593.D

Acq: 27 Aug 2019 20:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 243014

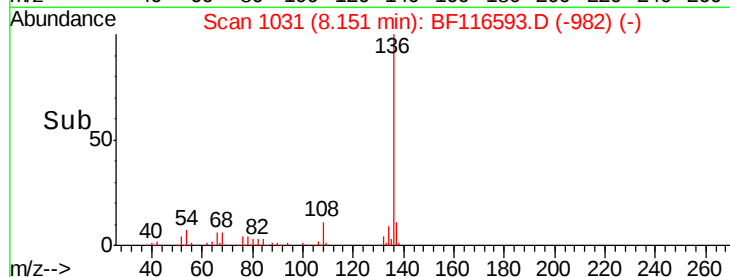
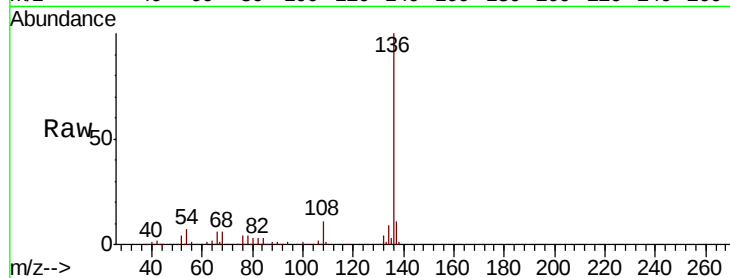
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.6 5.8 8.6

68 5.5 5.1 7.7

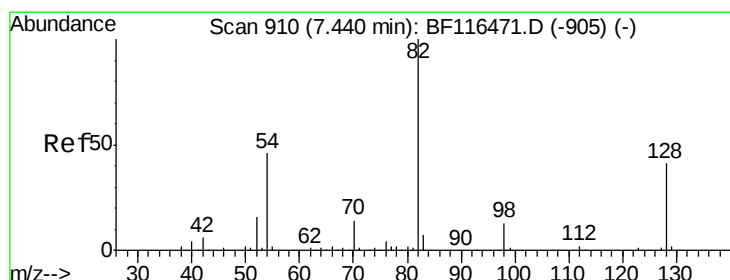
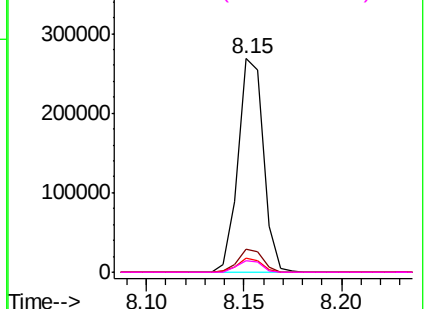


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 101.701 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF116593.D

Acq: 27 Aug 2019 20:07

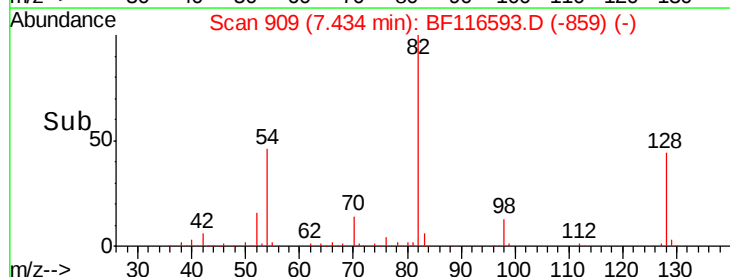
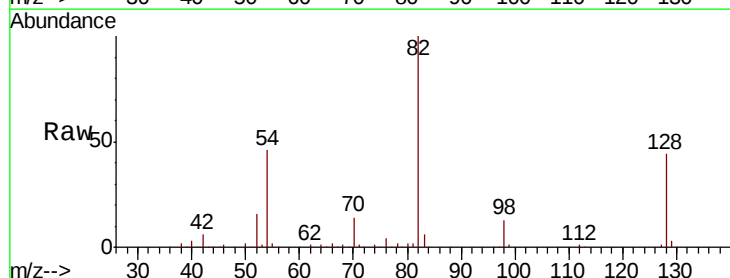
Tgt Ion: 82 Resp: 451740

Ion Ratio Lower Upper

82 100

128 43.9 32.2 48.4

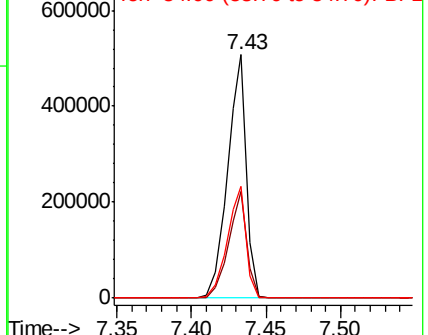
54 45.9 36.5 54.7

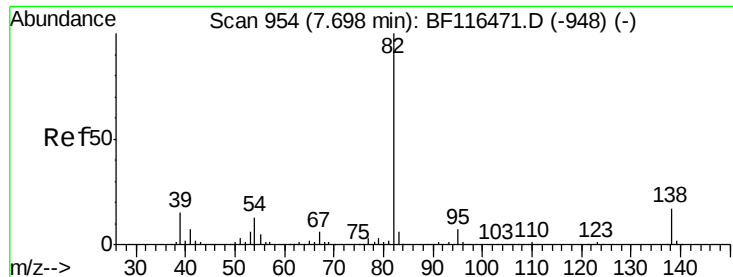


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 51.607 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF116593.D

Acq: 27 Aug 2019 20:07

Instrument :

BNA_F

ClientSampleId :

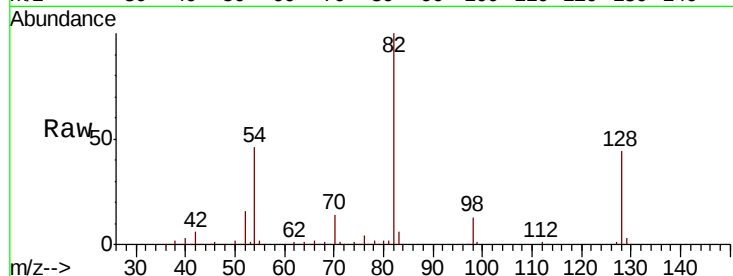
Tot Ion: 82 Resp: 451735

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.3 19.9#

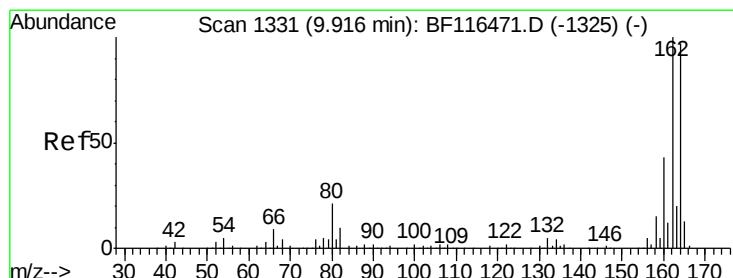
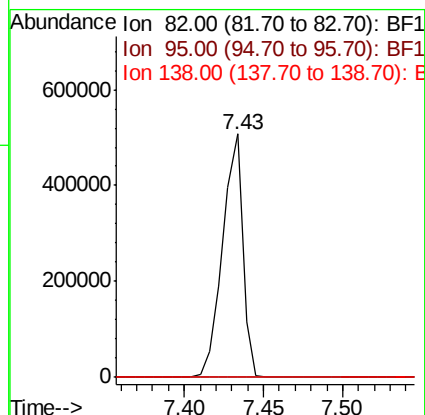
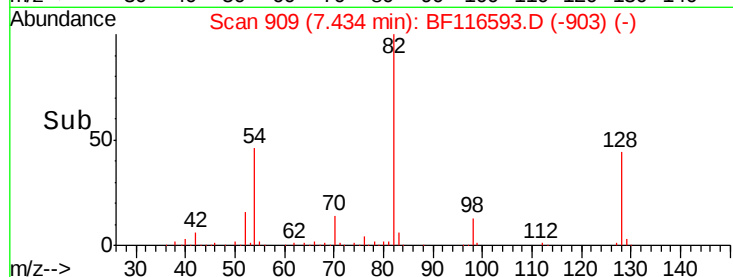


Abundance Ion 82.00 (81.70 to 82.70): BF116471.D (-948) (-)

Ion 95.00 (94.70 to 95.70): BF116471.D (-948) (-)

Ion 138.00 (137.70 to 138.70): BF116471.D (-948) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF116593.D

Acq: 27 Aug 2019 20:07

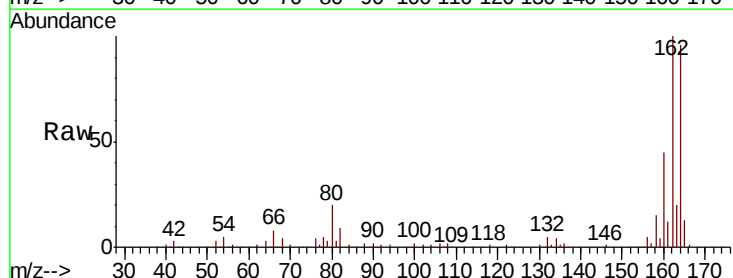
Tgt Ion: 164 Resp: 131305

Ion Ratio Lower Upper

164 100

162 104.0 82.6 123.8

160 46.6 35.8 53.8

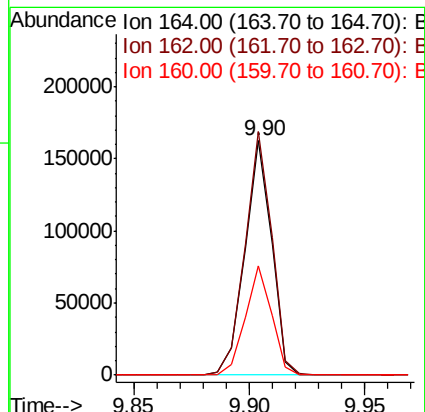
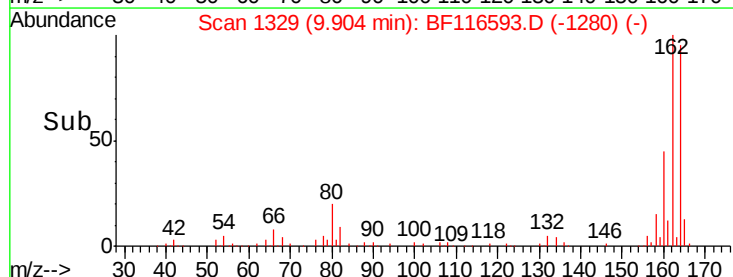


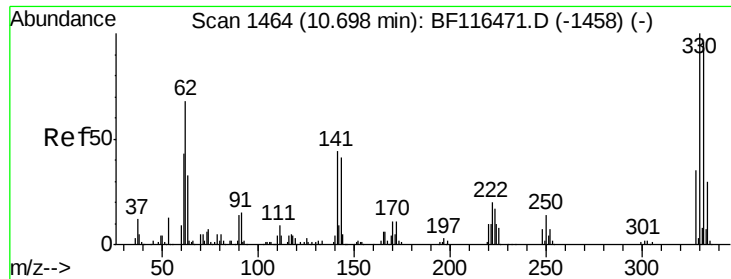
Abundance Ion 164.00 (163.70 to 164.70): BF116471.D (-1325) (-)

Ion 162.00 (161.70 to 162.70): BF116471.D (-1325) (-)

Ion 160.00 (159.70 to 160.70): BF116471.D (-1325) (-)

Time-->





#42

2,4,6-Tribromophenol

Concen: 168.197 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF116593.D

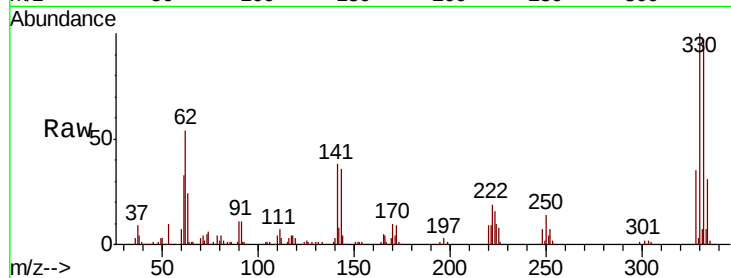
Acq: 27 Aug 2019 20:07

Instrument :

BNA_F

ClientSampled :

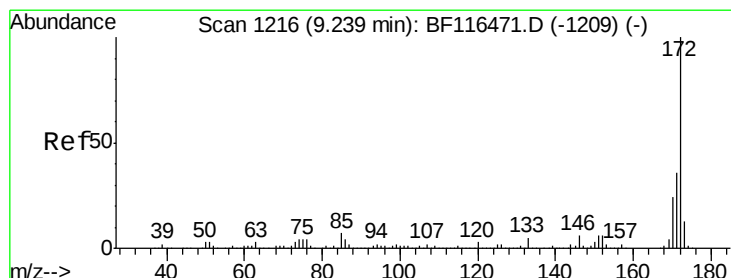
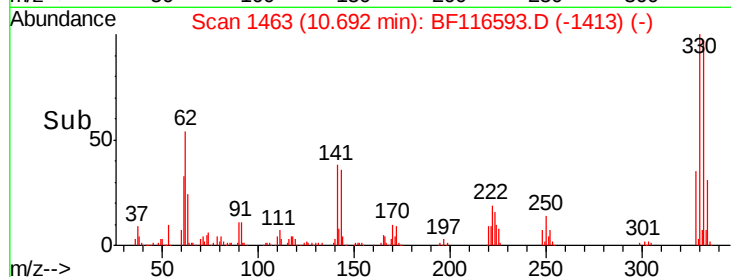
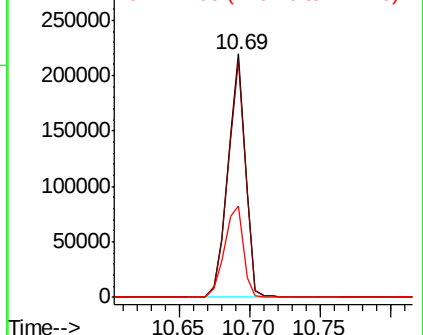
Tot Ion:330	Resp:	189639
Ion Ratio	Lower	Upper
330	100	
332	97.4	77.2 115.8
141	40.4	33.3 49.9



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: 100.931 ng

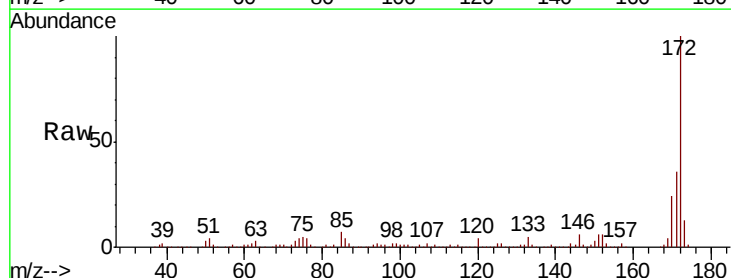
RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF116593.D

Acq: 27 Aug 2019 20:07

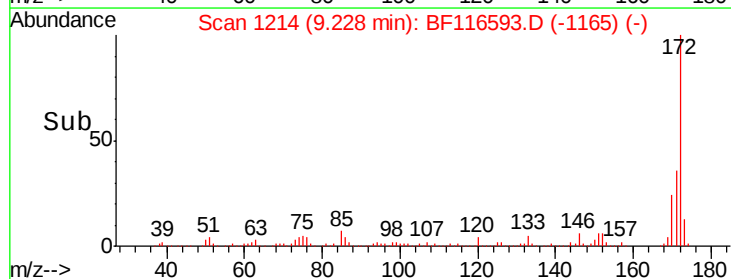
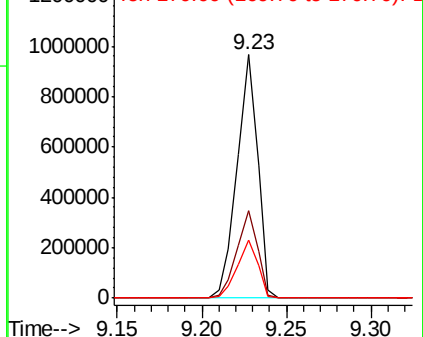
Tgt Ion:172	Resp:	822943
Ion Ratio	Lower	Upper
172	100	
171	35.7	28.9 43.3
170	24.1	19.4 29.0

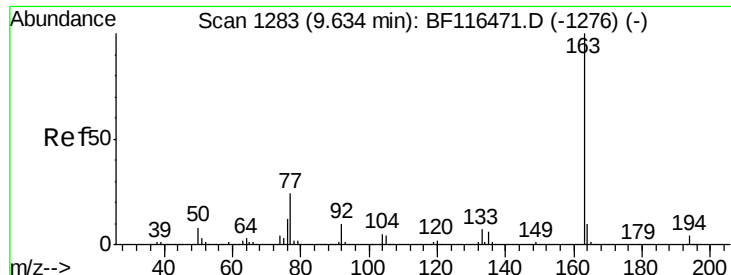


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

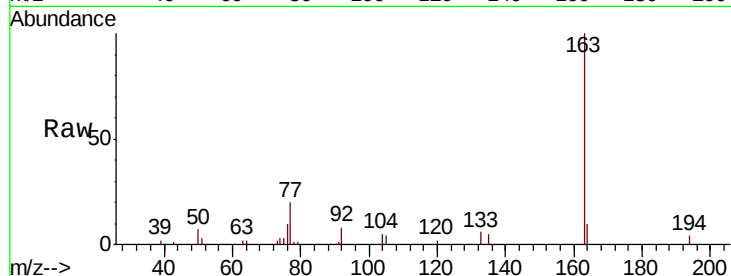




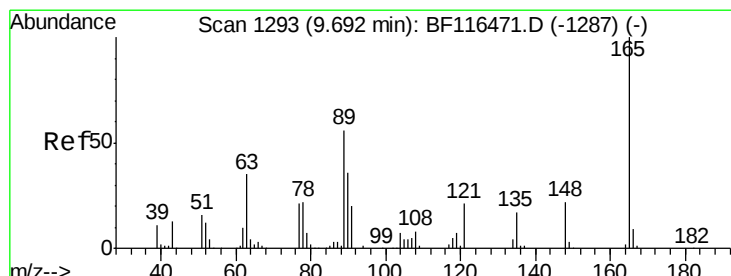
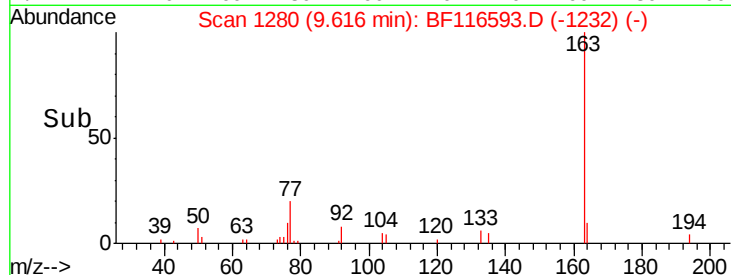
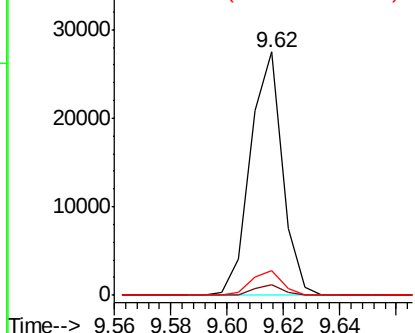
#50
Dimethylphthalate
Concen: 2.361 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.9	4.3#
164	10.0	8.2	12.2

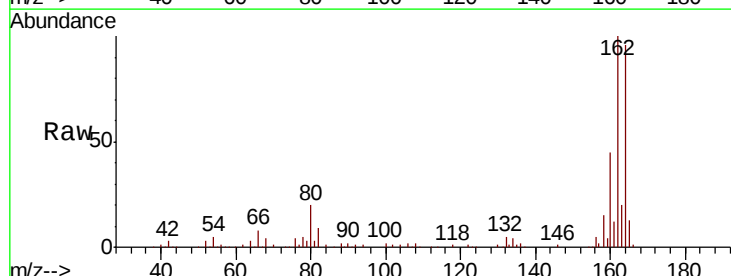


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

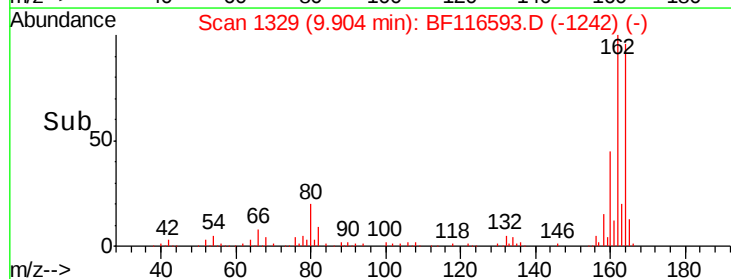
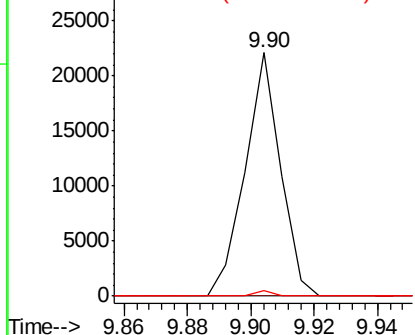


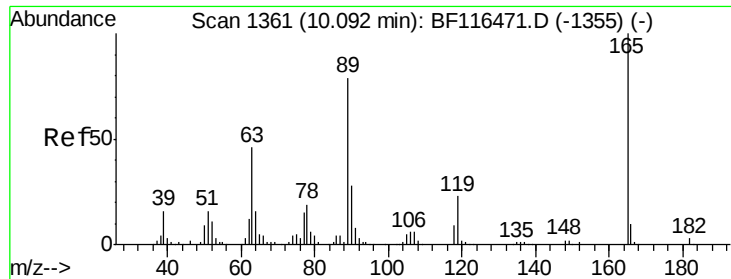
#51
2,6-Dinitrotoluene
Concen: 9.106 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.21 min
Lab File: BF116593.D
Acq: 27 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.7	65.5#
89	2.5	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

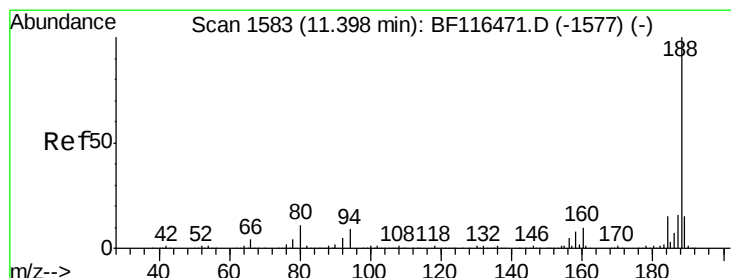
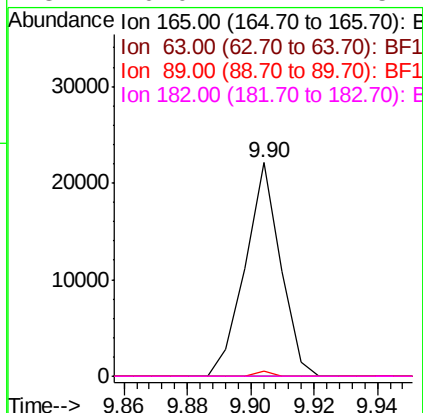
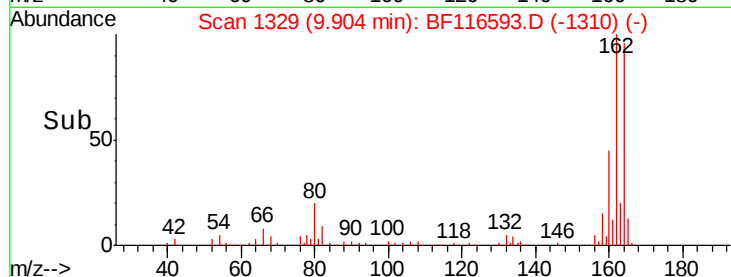
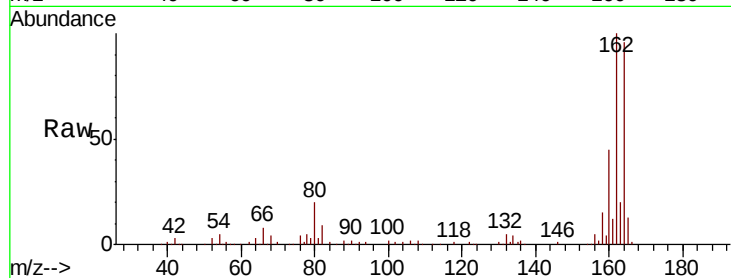




#57
 2,4-Dinitrotoluene
 Concen: 7.157 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.19 min
 Lab File: BF116593.D
 Acq: 27 Aug 2019 20:07

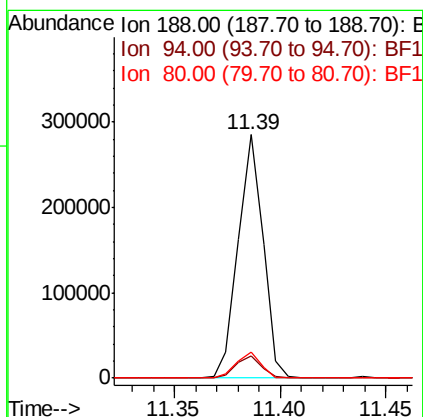
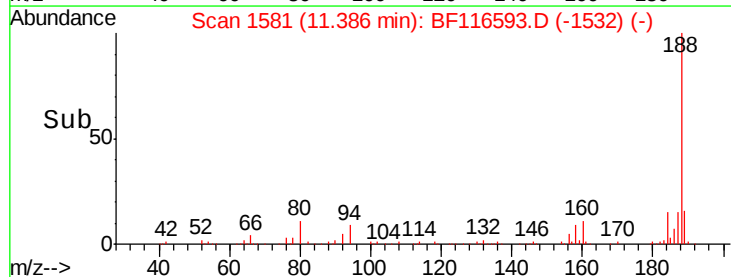
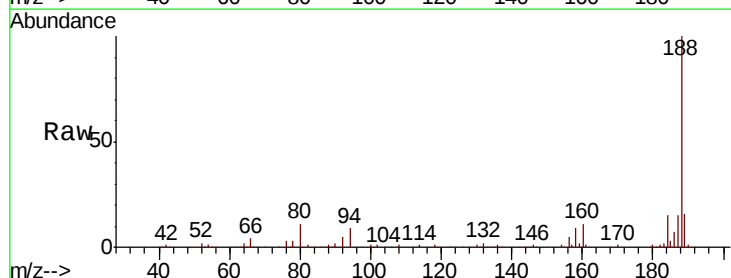
Instrument :
 BNA_F
 ClientSampleId :

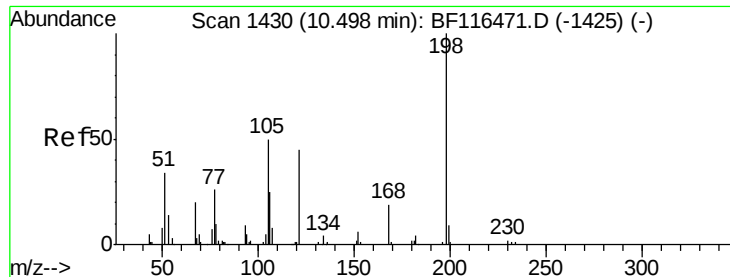
Tot Ion:165	Resp: 17076
Ion Ratio	Lower Upper
165 100	
63 0.0	36.9 55.3#
89 2.5	63.4 95.0#
182 0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF116593.D
 Acq: 27 Aug 2019 20:07

Tgt	Ion:188	Resp:	233491
Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.4	11.2
80	10.5	8.6	12.8

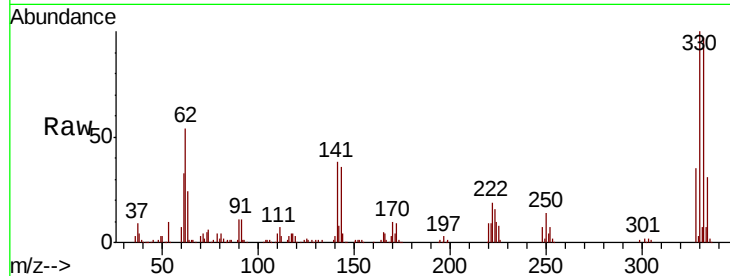




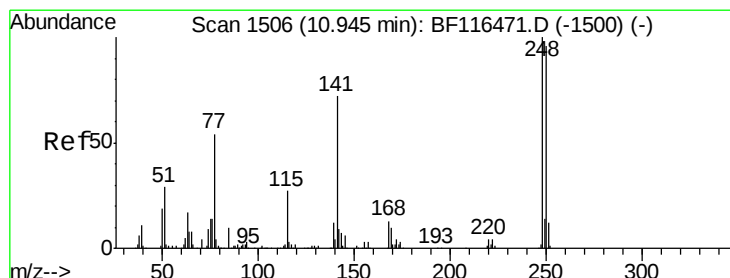
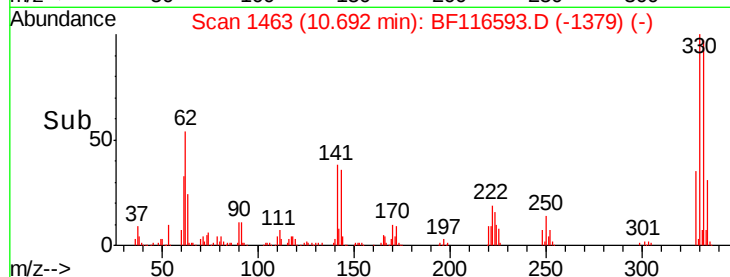
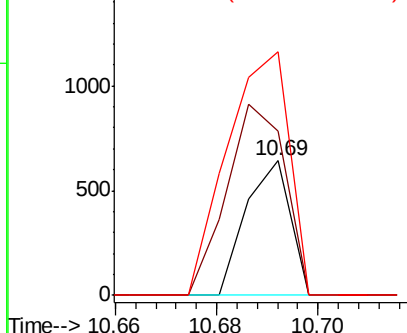
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.353 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.19 min
 Lab File: BF116593.D
 Acq: 27 Aug 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 390
 Ion Ratio Lower Upper
 198 100
 51 122.2 30.4 70.4#
 105 180.9 32.8 72.8#

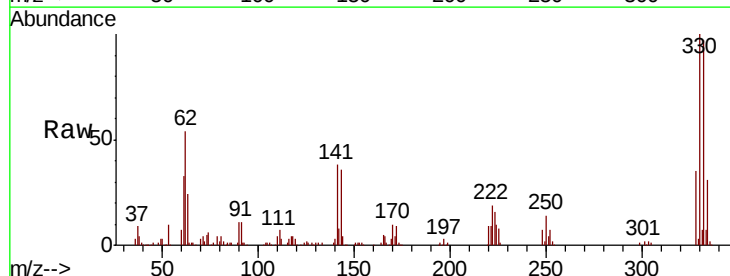


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

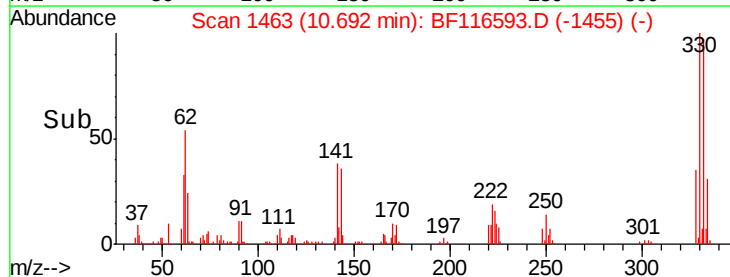
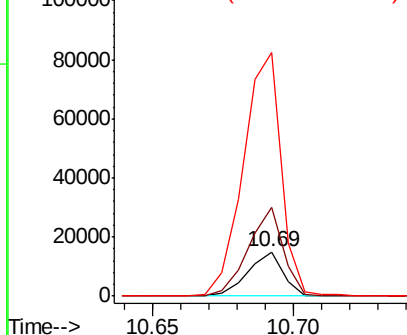


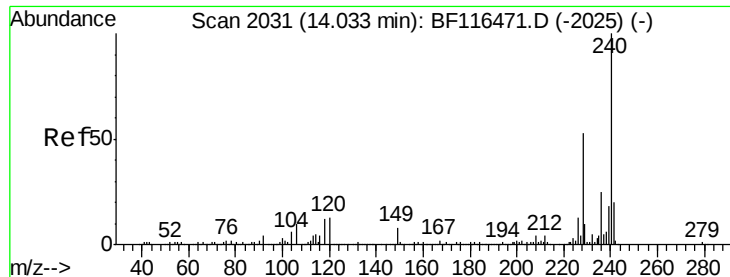
#67
 4-Bromophenyl-phenylether
 Concen: 5.282 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.25 min
 Lab File: BF116593.D
 Acq: 27 Aug 2019 20:07

Tgt Ion:248 Resp: 12930
 Ion Ratio Lower Upper
 248 100
 250 199.2 77.0 115.6#
 141 550.4 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

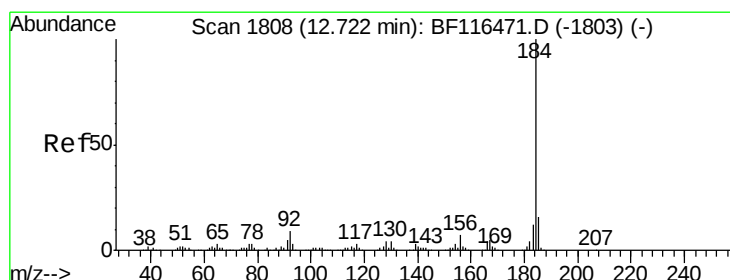
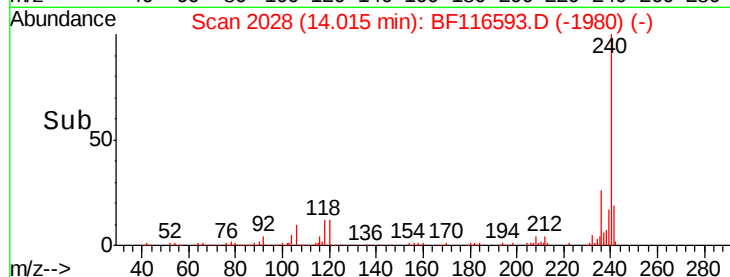
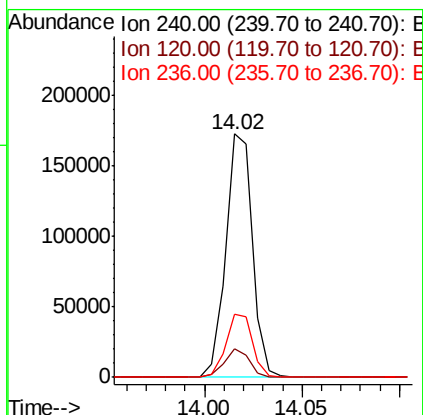
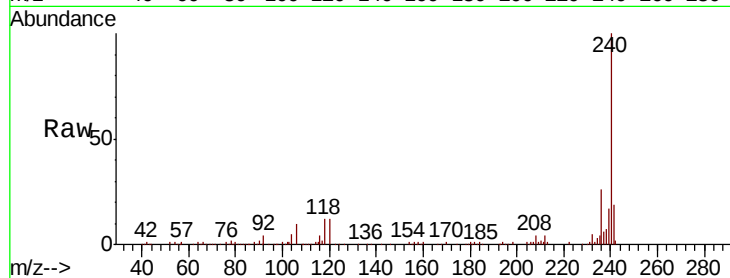




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF116593.D
 Acq: 27 Aug 2019 20:07

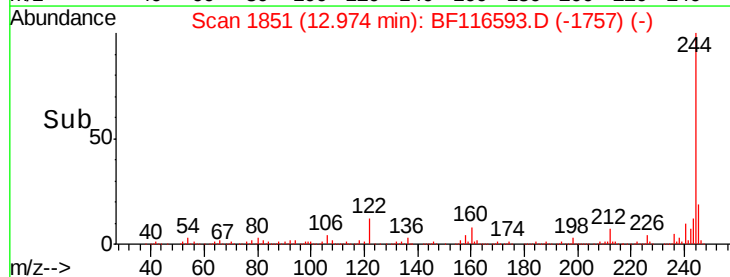
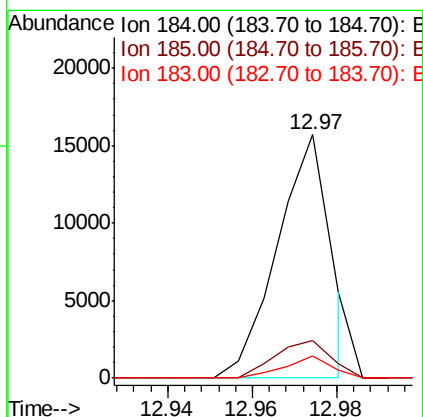
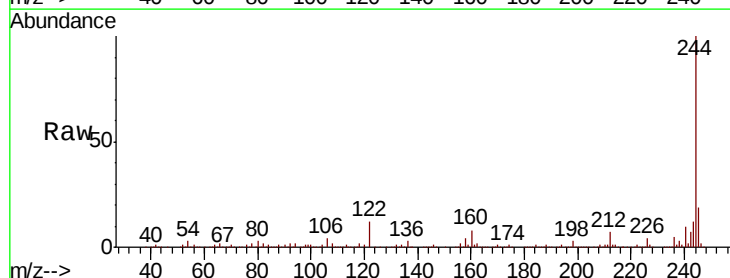
Instrument :
 BNA_F
 ClientSampleId :

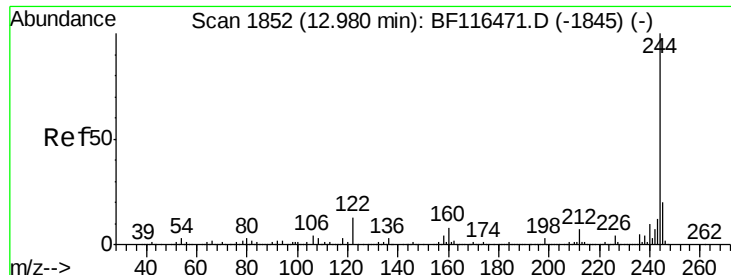
Tot Ion:240 Resp: 163011
 Ion Ratio Lower Upper
 240 100
 120 11.8 10.5 15.7
 236 25.8 20.2 30.2



#77
 Benzidine
 Concen: 2.096 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. 0.25 min
 Lab File: BF116593.D
 Acq: 27 Aug 2019 20:07

Tgt Ion:184 Resp: 13749
 Ion Ratio Lower Upper
 184 100
 185 15.6 13.0 19.4
 183 9.1 9.8 14.6#





#79

Terphenyl-d14

Concen: 108.882 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF116593.D

Acq: 27 Aug 2019 20:07

Instrument :

BNA_F

ClientSampled :

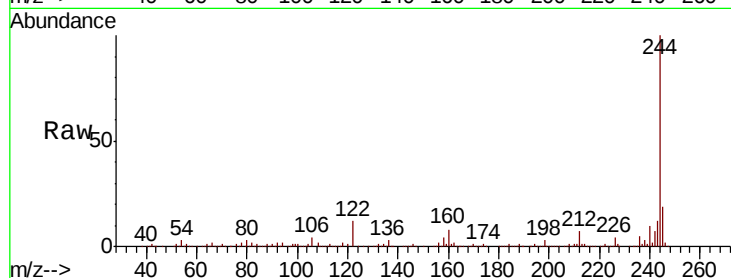
Tot Ion:244 Resp: 950205

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

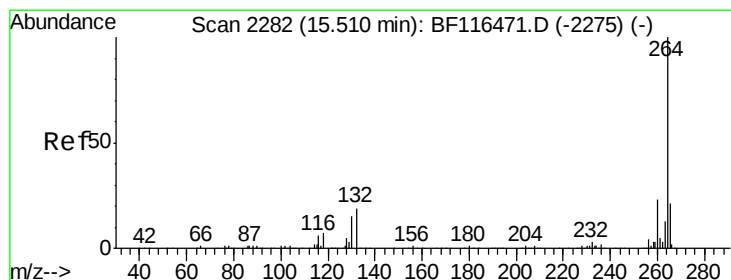
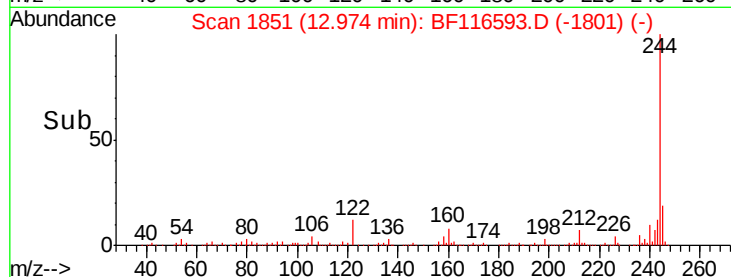
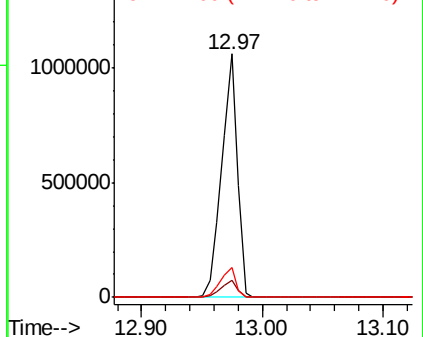
122 12.2 10.2 15.4



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: 15.48 min Scan# 2277

Delta R.T. -0.03 min

Lab File: BF116593.D

Acq: 27 Aug 2019 20:07

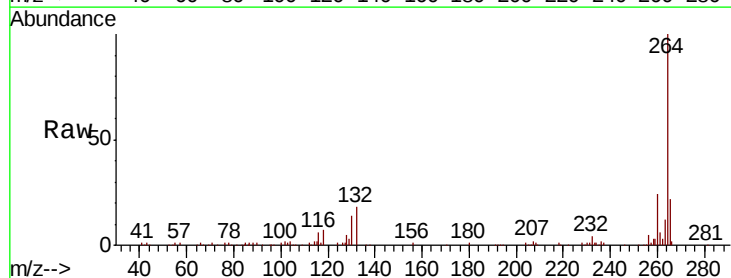
Tgt Ion:264 Resp: 160094

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 22.0 17.1 25.7



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

