

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116594.D
 Acq On : 27 Aug 2019 20:34
 Operator : HP/JU
 Sample : K4516-30
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 06:37:55 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

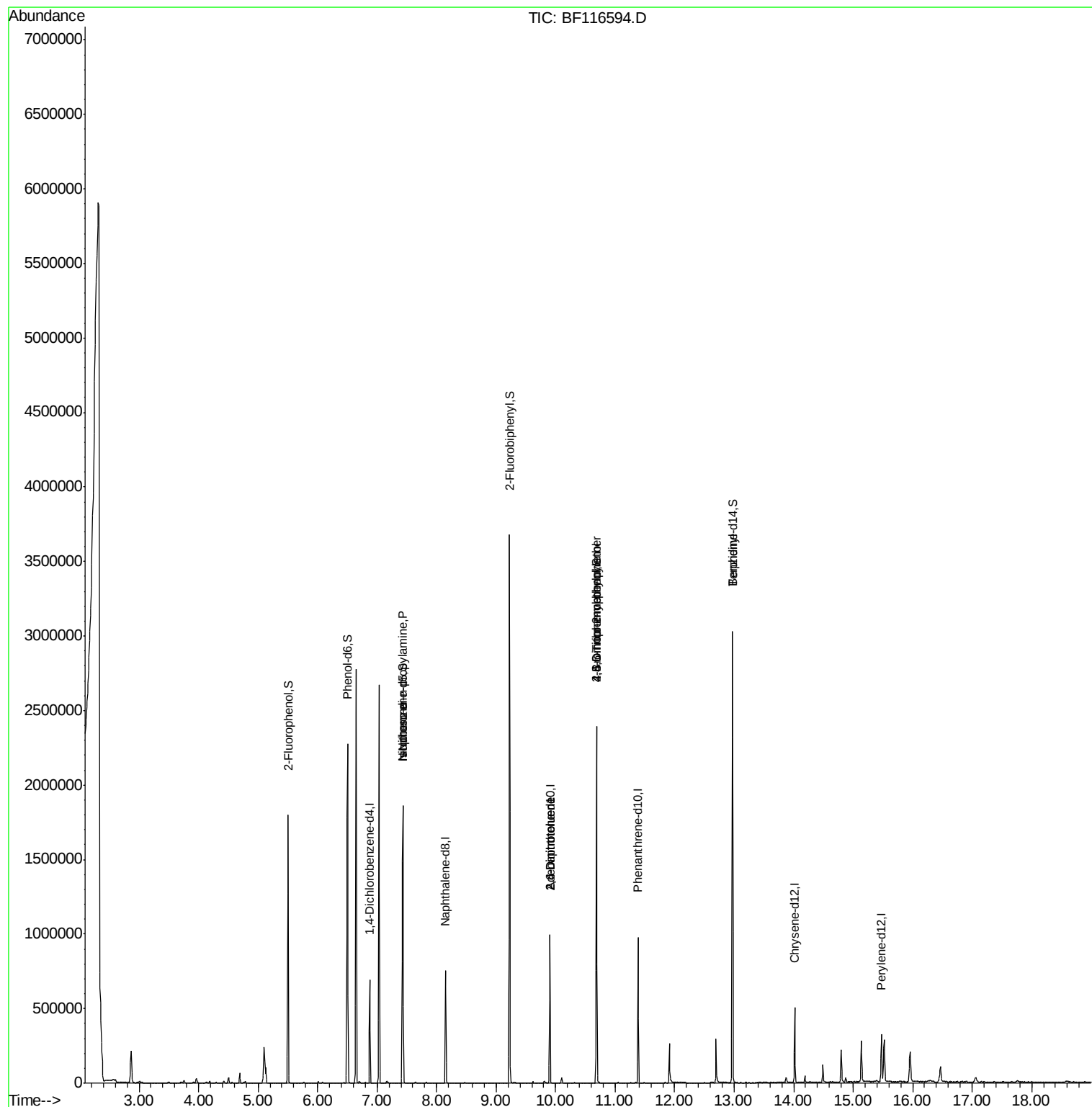
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	87916	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	339582	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	179575	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	319999	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	160738	20.00	ng	-0.02
87) Perylene-d12	15.48	264	145670	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	481987	80.11	ng	0.00
7) Phenol-d6	6.50	99	775017	105.05	ng	0.00
23) Nitrobenzene-d5	7.43	82	623707	100.49	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	257790	167.18	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1102850	98.90	ng	-0.01
79) Terphenyl-d14	12.97	244	987322	114.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	83960	16.678	ng	# 78
25) Isophorone	7.43	82	623701	50.990	ng	# 67
51) 2,6-Dinitrotoluene	9.90	165	22634	8.826	ng	# 25
57) 2,4-Dinitrotoluene	9.90	165	22634	6.936	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.69	198	588	7.388	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	17628	5.255	ng	# 1
77) Benzidine	12.97	184	14170	2.191	ng	96

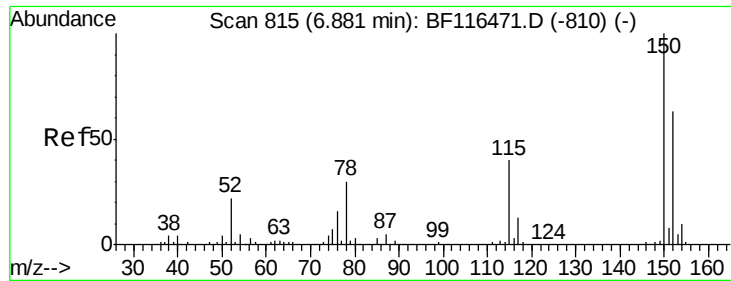
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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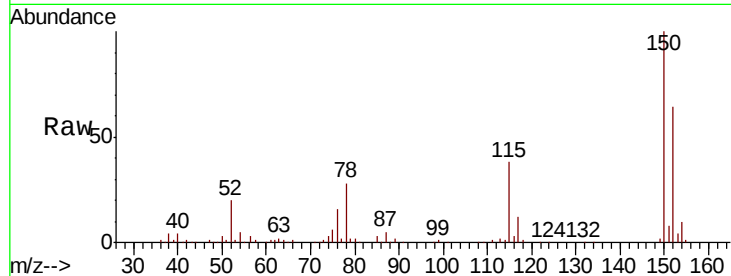


#1

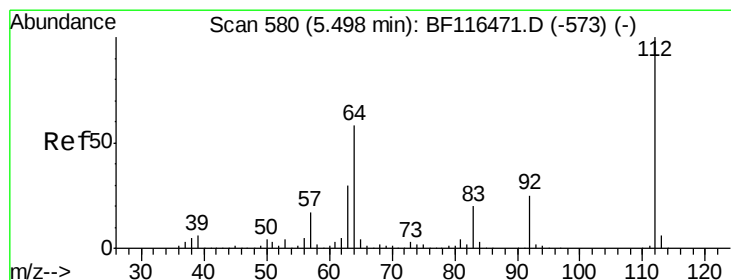
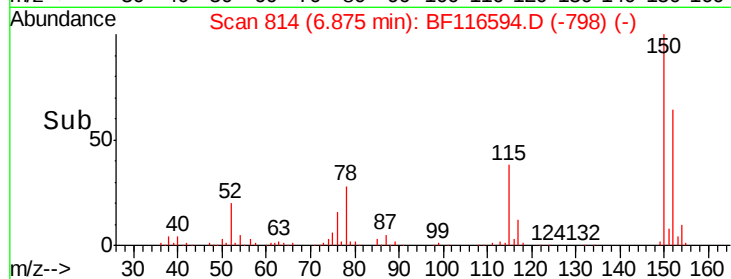
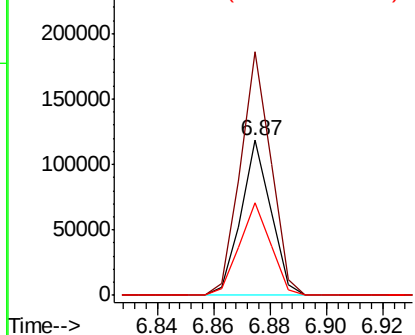
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF116594.D
 Acq: 27 Aug 2019 20:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 87916
 Ion Ratio Lower Upper
 152 100
 150 157.1 126.7 190.1
 115 60.1 50.9 76.3



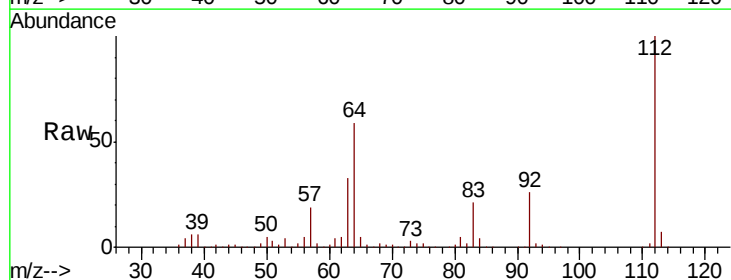
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



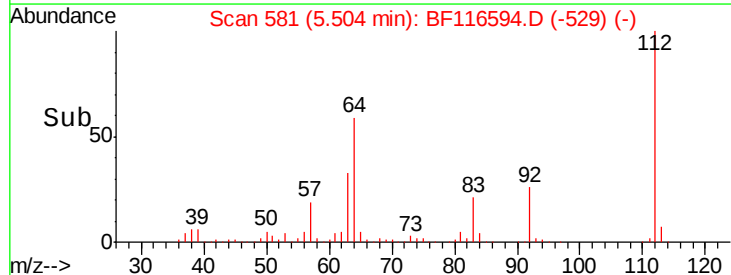
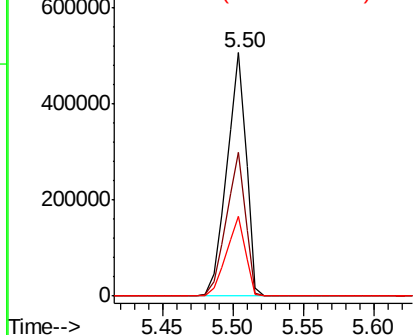
#5

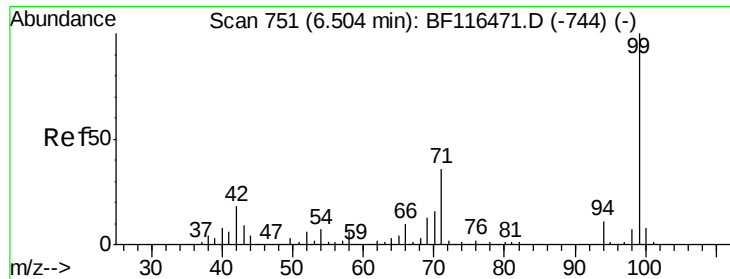
2-Fluorophenol
 Concen: 80.105 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF116594.D
 Acq: 27 Aug 2019 20:34

Tgt Ion:112 Resp: 481987
 Ion Ratio Lower Upper
 112 100
 64 58.9 46.3 69.5
 63 33.0 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: 105.050 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

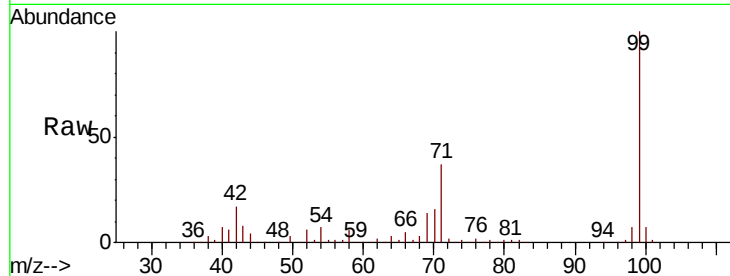
Lab File: BF116594.D

Acq: 27 Aug 2019 20:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 99 Resp: 775017

Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.6	21.8
71	36.8	28.5	42.7

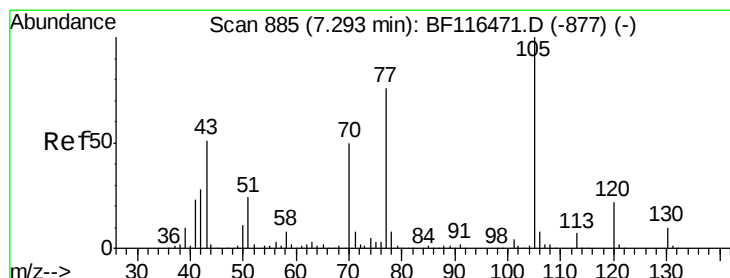
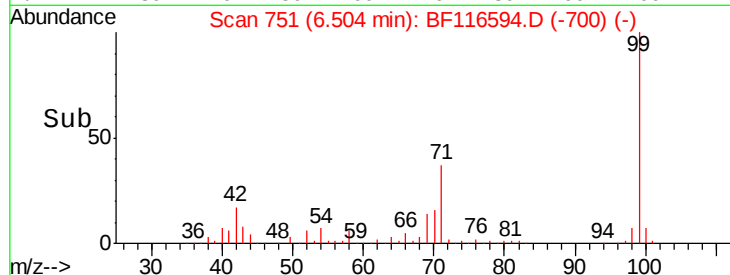


Abundance

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: 16.678 ng

RT: 7.43 min Scan# 909

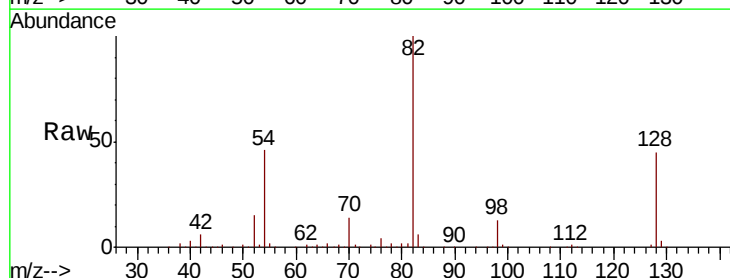
Delta R.T. 0.14 min

Lab File: BF116594.D

Acq: 27 Aug 2019 20:34

Tgt Ion: 70 Resp: 83960

Ion	Ratio	Lower	Upper
70	100		
42	44.4	44.4	66.6#
101	0.0	7.1	10.7#
130	1.9	15.8	23.8#



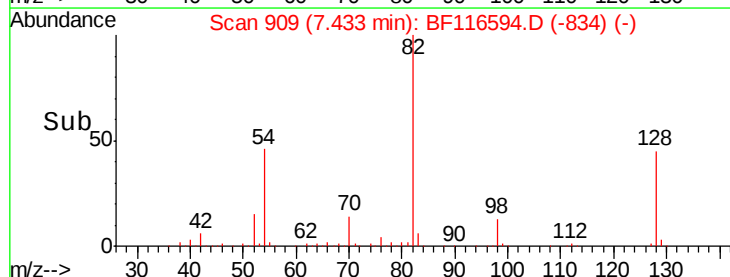
Abundance

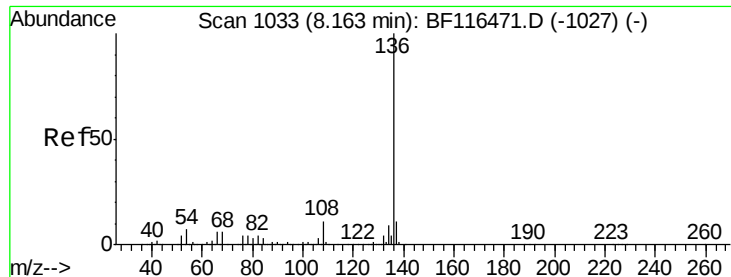
Ion 70.00 (69.70 to 70.70): BF1

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

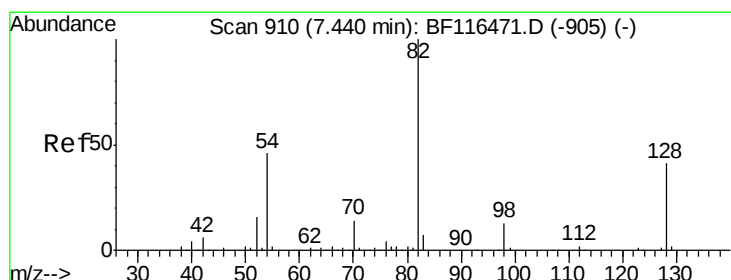
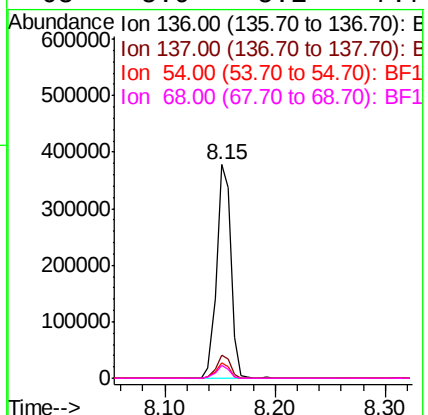
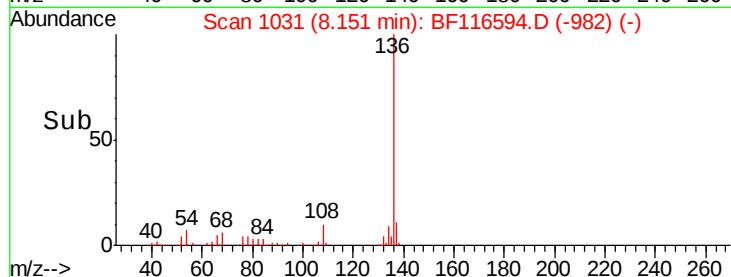
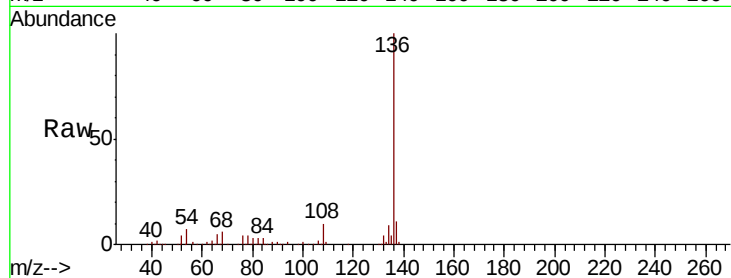




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF116594.D
Acq: 27 Aug 2019 20:34

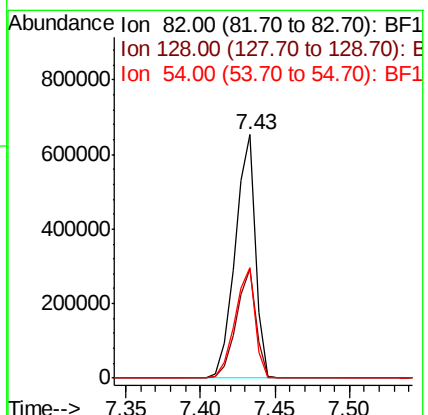
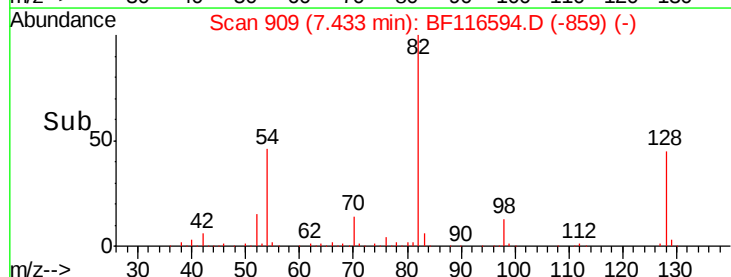
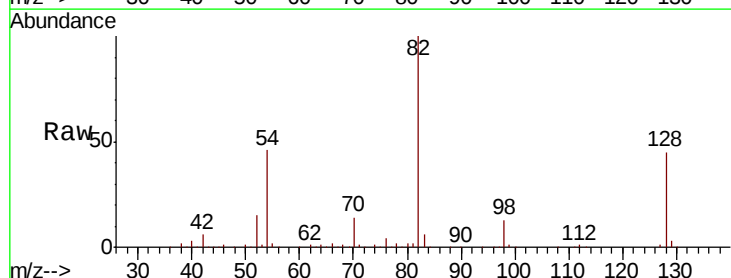
Instrument :
BNA_F
ClientSampled :

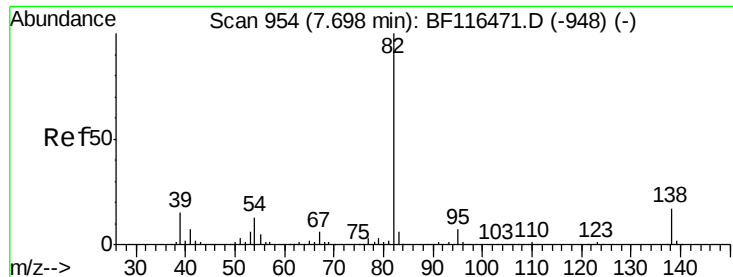
Tot Ion:136	Resp:	339582	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	9.0	13.4	
54 7.0	5.8	8.6	
68 5.9	5.1	7.7	



#23
Nitrobenzene-d5
Concen: 100.485 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF116594.D
Acq: 27 Aug 2019 20:34

Tgt	Ion: 82	Resp:	623707
Ion	Ratio	Lower	Upper
82	100		
128	44.7	32.2	48.4
54	45.5	36.5	54.7





#25

Isophorone

Concen: 50.990 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF116594.D

Acq: 27 Aug 2019 20:34

Instrument :

BNA_F

ClientSampleId :

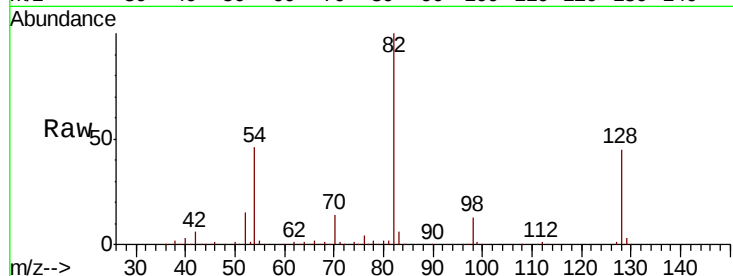
Tot Ion: 82 Resp: 623701

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

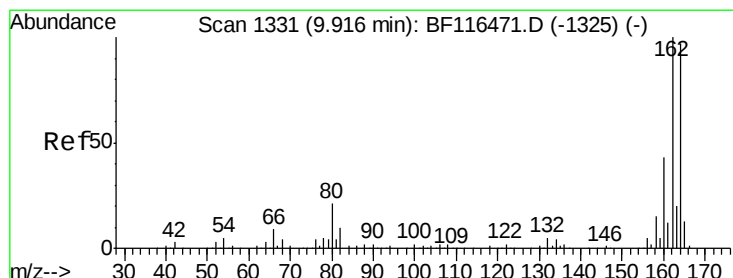
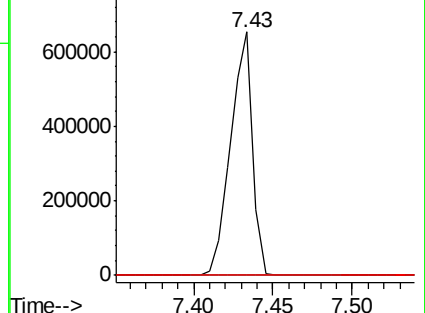
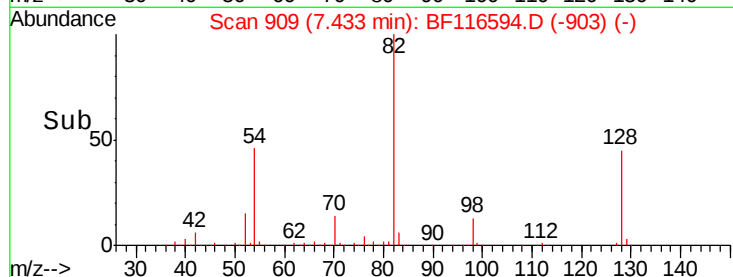
138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF116594.D (-903) (-)

Ion 95.00 (94.70 to 95.70): BF116594.D (-903) (-)

Ion 138.00 (137.70 to 138.70): BF116594.D (-903) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF116594.D

Acq: 27 Aug 2019 20:34

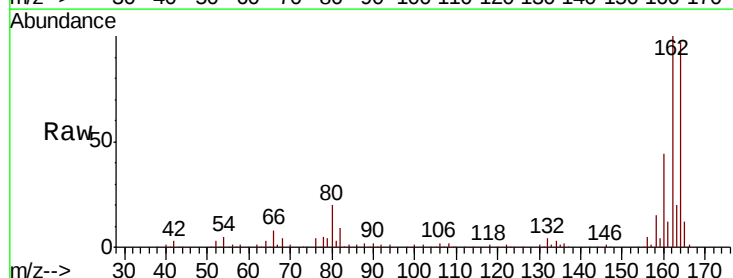
Tgt Ion: 164 Resp: 179575

Ion Ratio Lower Upper

164 100

162 103.3 82.6 123.8

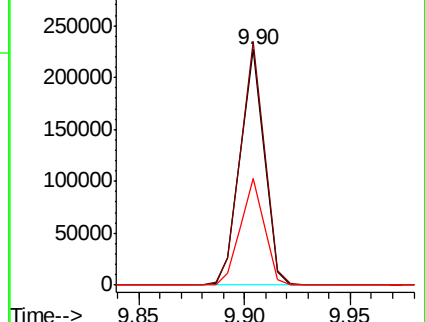
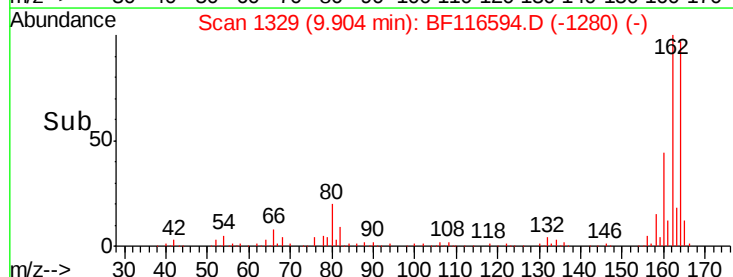
160 45.3 35.8 53.8

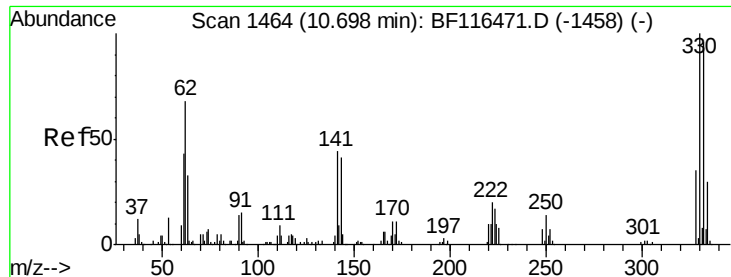


Abundance Ion 164.00 (163.70 to 164.70): BF116594.D (-1280) (-)

Ion 162.00 (161.70 to 162.70): BF116594.D (-1280) (-)

Ion 160.00 (159.70 to 160.70): BF116594.D (-1280) (-)





#42

2,4,6-Tribromophenol

Concen: 167.183 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF116594.D

Acq: 27 Aug 2019 20:34

Instrument :

BNA_F

ClientSampleId :

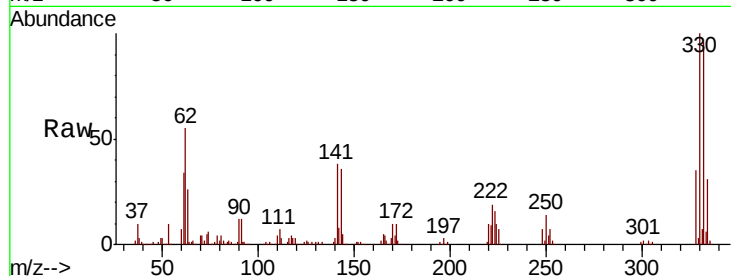
Tot Ion:330 Resp: 257790

Ion Ratio Lower Upper

330 100

332 95.7 77.2 115.8

141 38.2 33.3 49.9

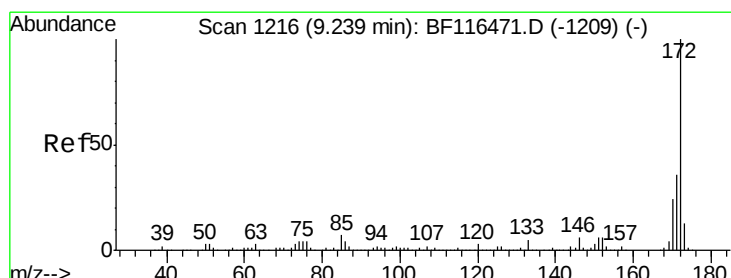
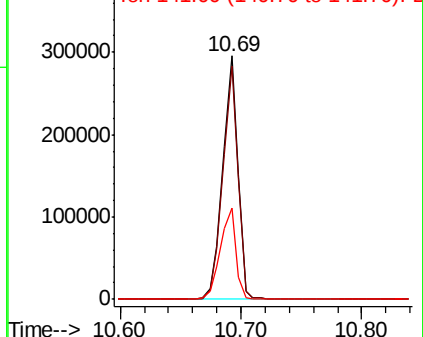
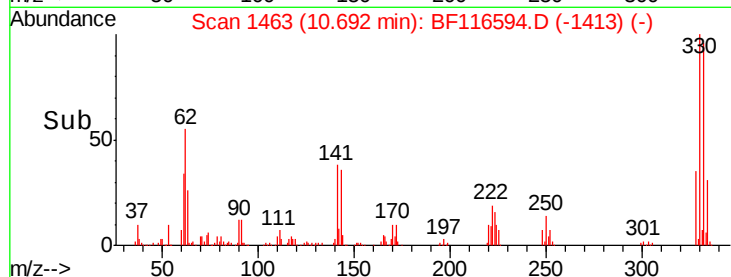


Abundance

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: 98.902 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF116594.D

Acq: 27 Aug 2019 20:34

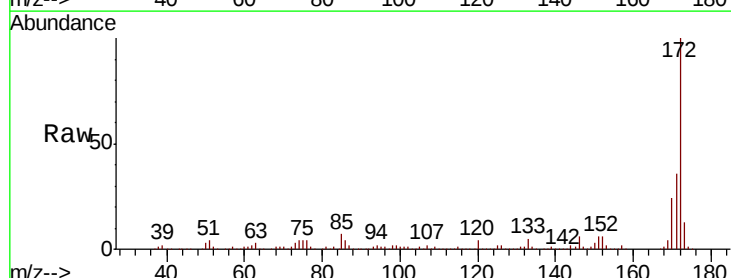
Tgt Ion:172 Resp: 1102850

Ion Ratio Lower Upper

172 100

171 36.3 28.9 43.3

170 24.0 19.4 29.0

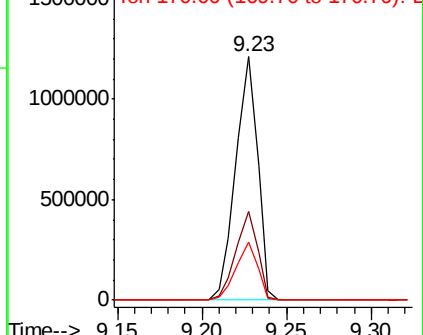
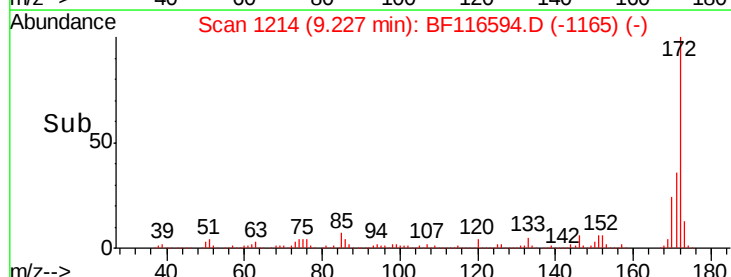


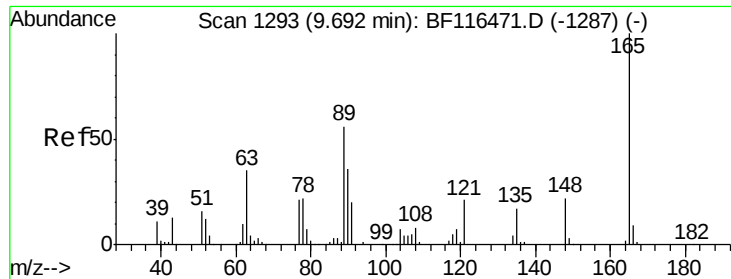
Abundance

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: 8.826 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.21 min

Lab File: BF116594.D

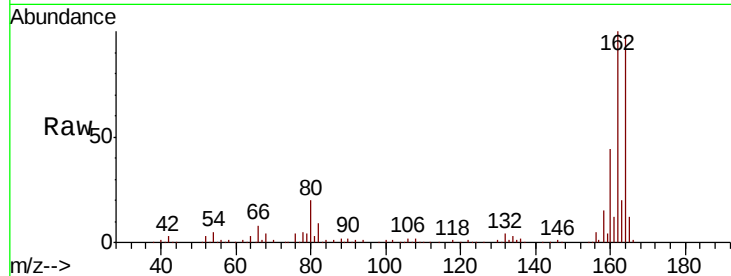
Acq: 27 Aug 2019 20:34

Instrument :

BNA_F

ClientSampleId :

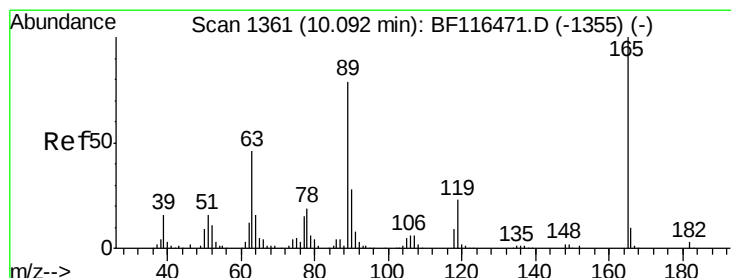
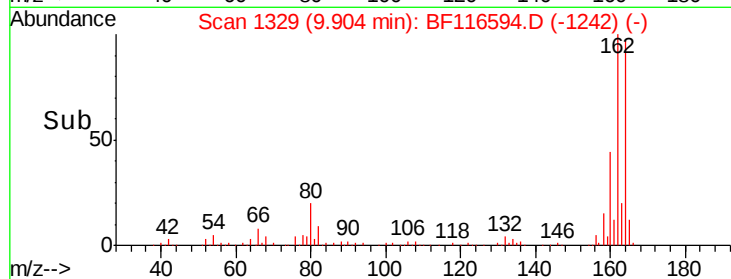
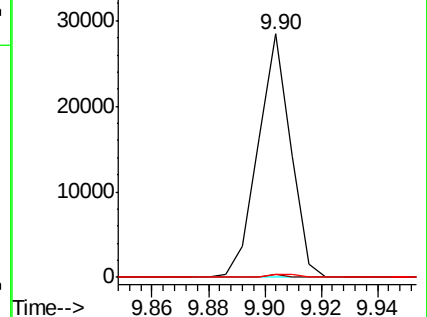
Tot Ion:165	Resp:	22634
Ion Ratio	Lower	Upper
165 100		
63 1.1	43.7	65.5#
89 1.5	45.1	67.7#



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: 6.936 ng

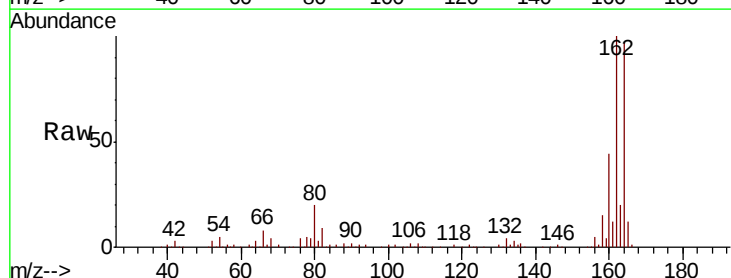
RT: 9.90 min Scan# 1329

Delta R.T. -0.19 min

Lab File: BF116594.D

Acq: 27 Aug 2019 20:34

Tgt Ion:165	Resp:	22634
Ion Ratio	Lower	Upper
165 100		
63 1.1	36.9	55.3#
89 1.5	63.4	95.0#
182 0.0	2.1	3.1#

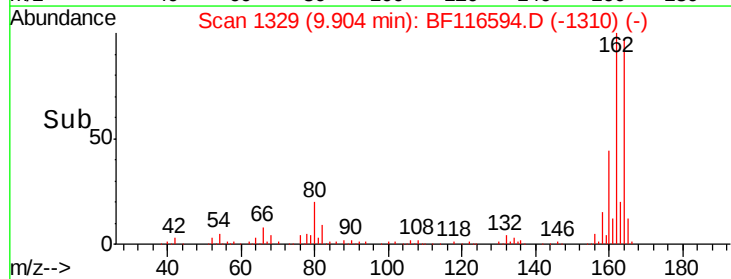
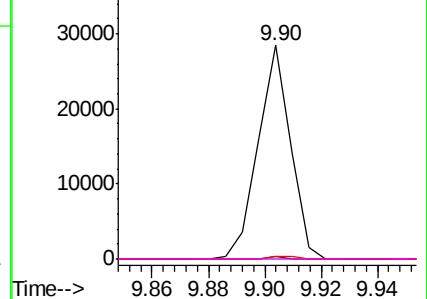


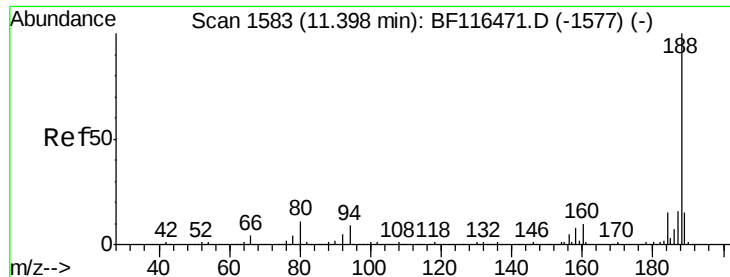
Abundance Ion 165.00 (164.70 to 165.70): E

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

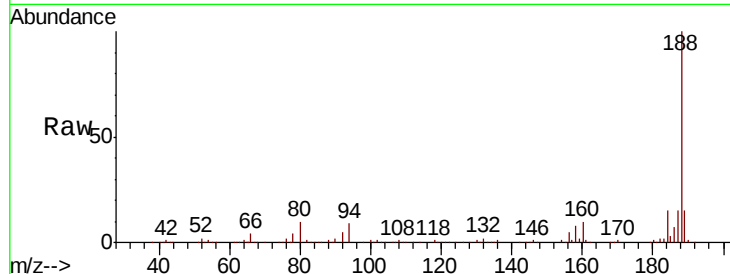




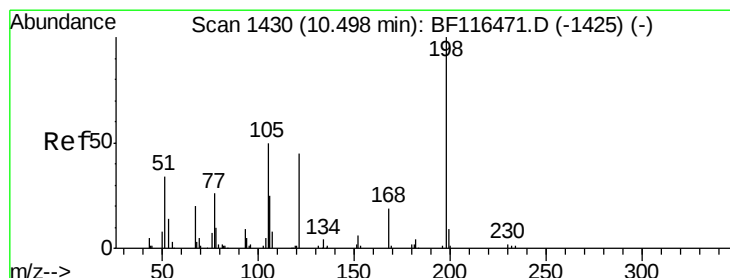
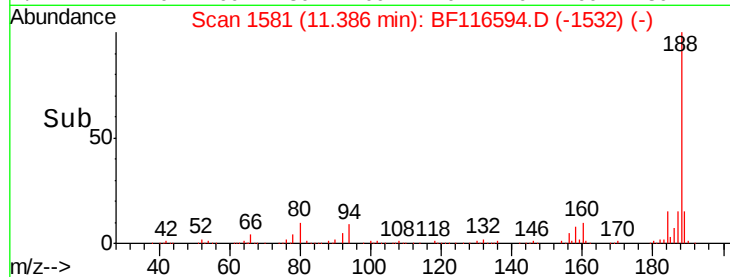
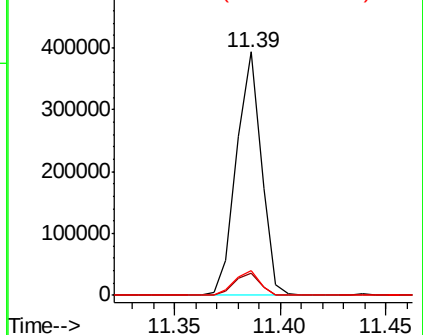
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116594.D
Acq: 27 Aug 2019 20:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 319999
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 10.1 8.6 12.8

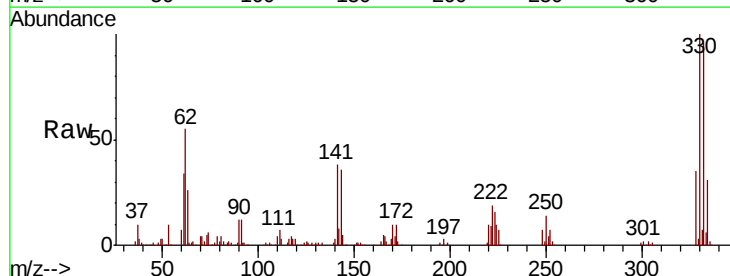


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

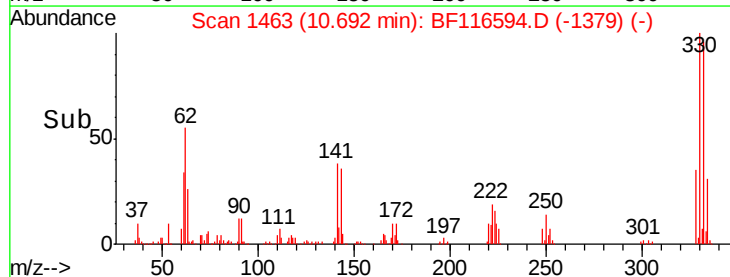
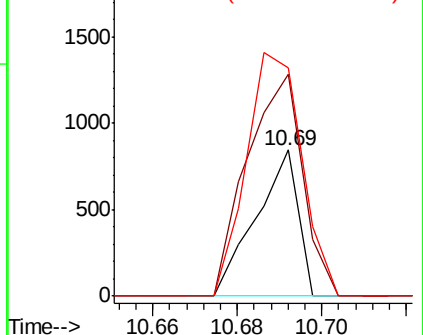


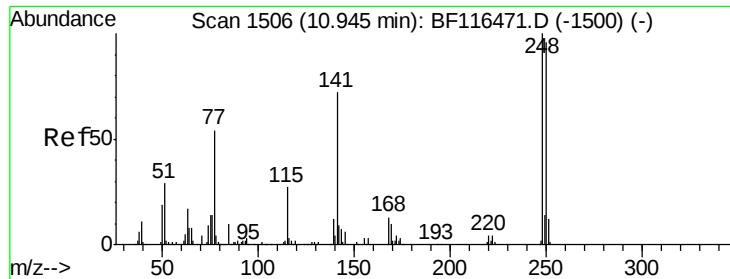
#65
4,6-Dinitro-2-methylphenol
Concen: 7.388 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.19 min
Lab File: BF116594.D
Acq: 27 Aug 2019 20:34

Tgt Ion:198 Resp: 588
Ion Ratio Lower Upper
198 100
51 151.7 30.4 70.4#
105 156.8 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

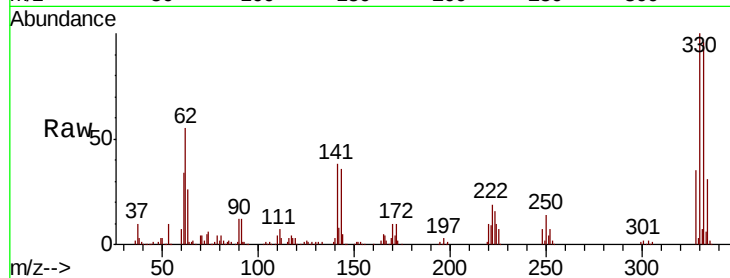




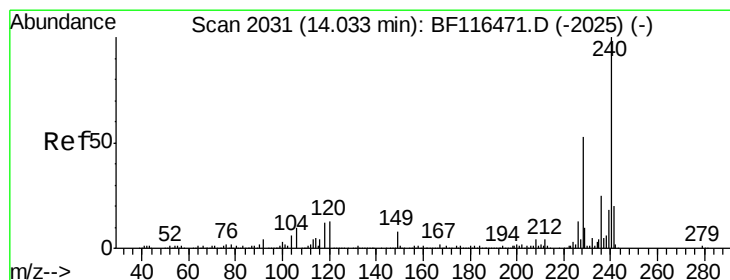
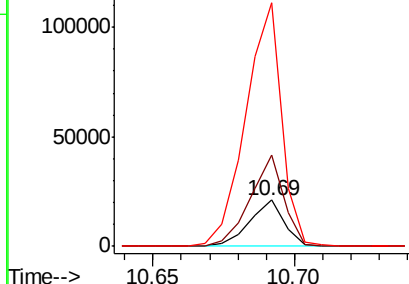
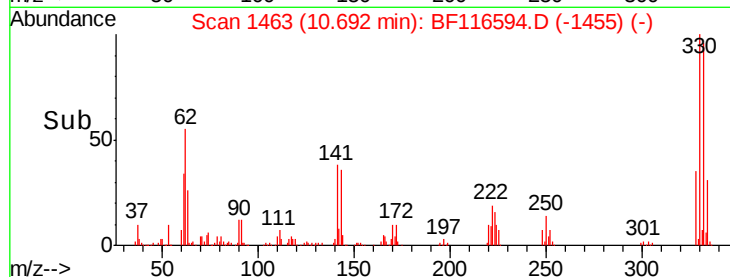
#67
 4-Bromophenyl-phenylether
 Concen: 5.255 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.25 min
 Lab File: BF116594.D
 Acq: 27 Aug 2019 20:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 17628
 Ion Ratio Lower Upper
 248 100
 250 197.2 77.0 115.6#
 141 524.1 57.4 86.0#

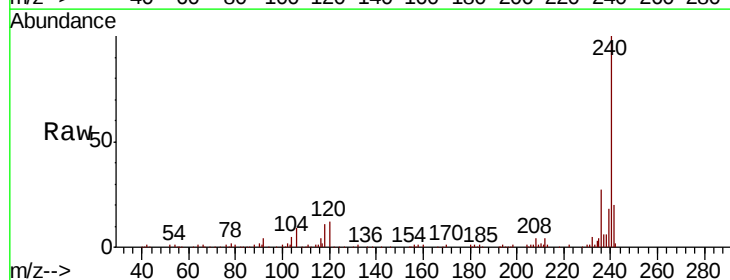


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

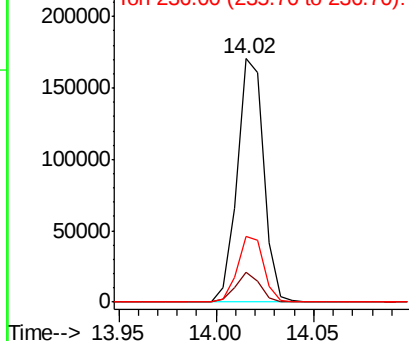
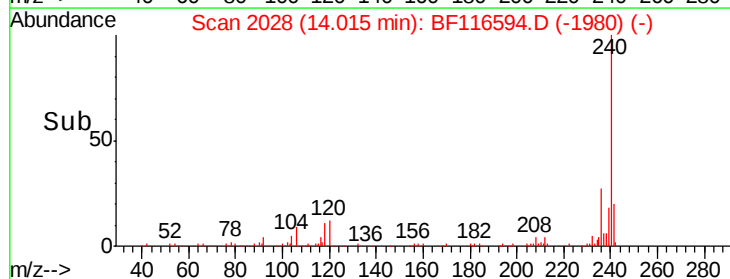


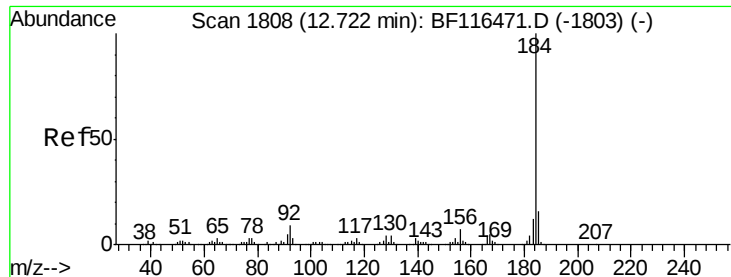
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF116594.D
 Acq: 27 Aug 2019 20:34

Tgt Ion:240 Resp: 160738
 Ion Ratio Lower Upper
 240 100
 120 12.2 10.5 15.7
 236 26.9 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





#77

Benzidine

Concen: 2.191 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.25 min

Lab File: BF116594.D

Acq: 27 Aug 2019 20:34

Instrument :

BNA_F

ClientSampleId :

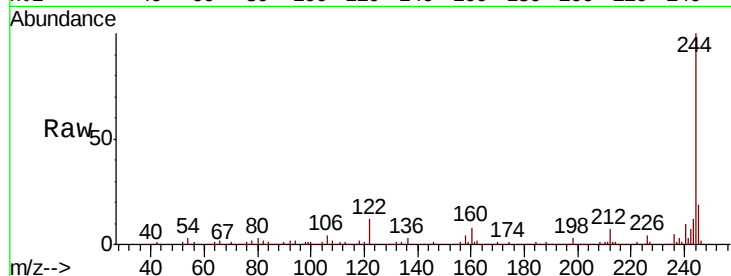
Tot Ion:184 Resp: 14170

Ion Ratio Lower Upper

184 100

185 15.2 13.0 19.4

183 9.9 9.8 14.6

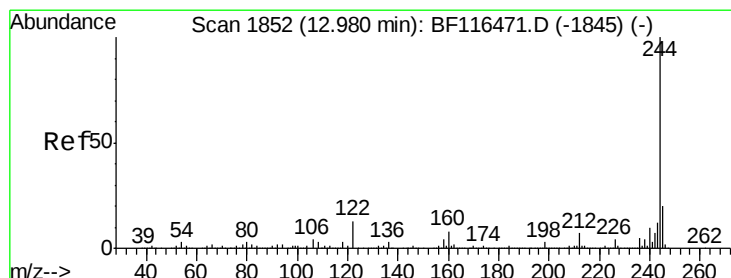
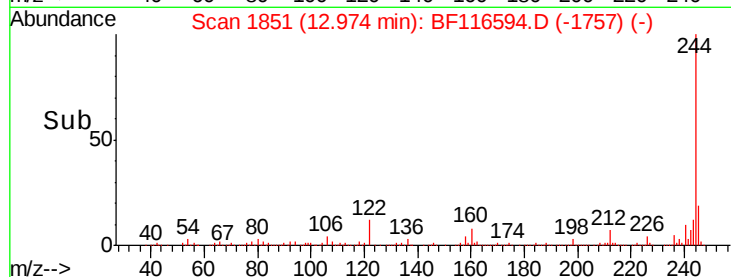
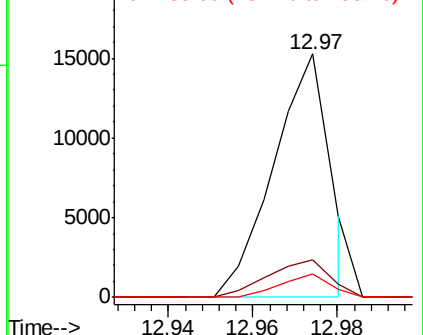


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 114.735 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF116594.D

Acq: 27 Aug 2019 20:34

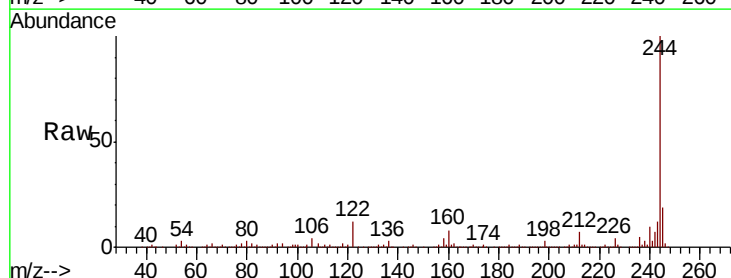
Tgt Ion:244 Resp: 987322

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 11.6 10.2 15.4

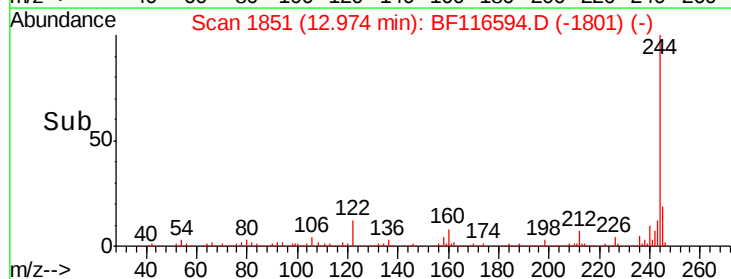
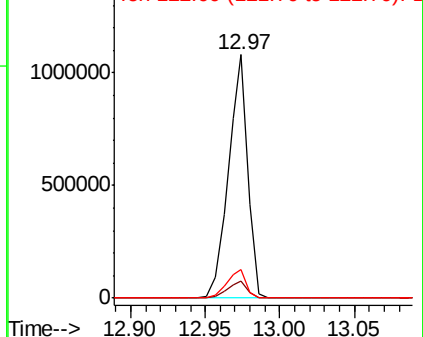


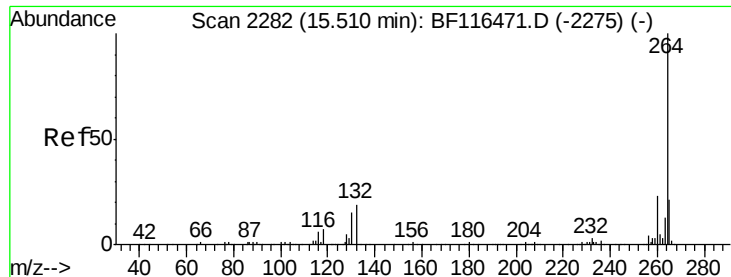
Abundance

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
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.03 min
Lab File: BF116594.D
Acq: 27 Aug 2019 20:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.8	28.2
265	20.5	17.1	25.7

