

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116592.D
 Acq On : 27 Aug 2019 19:39
 Operator : HP/JU
 Sample : K4506-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 06:37:21 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

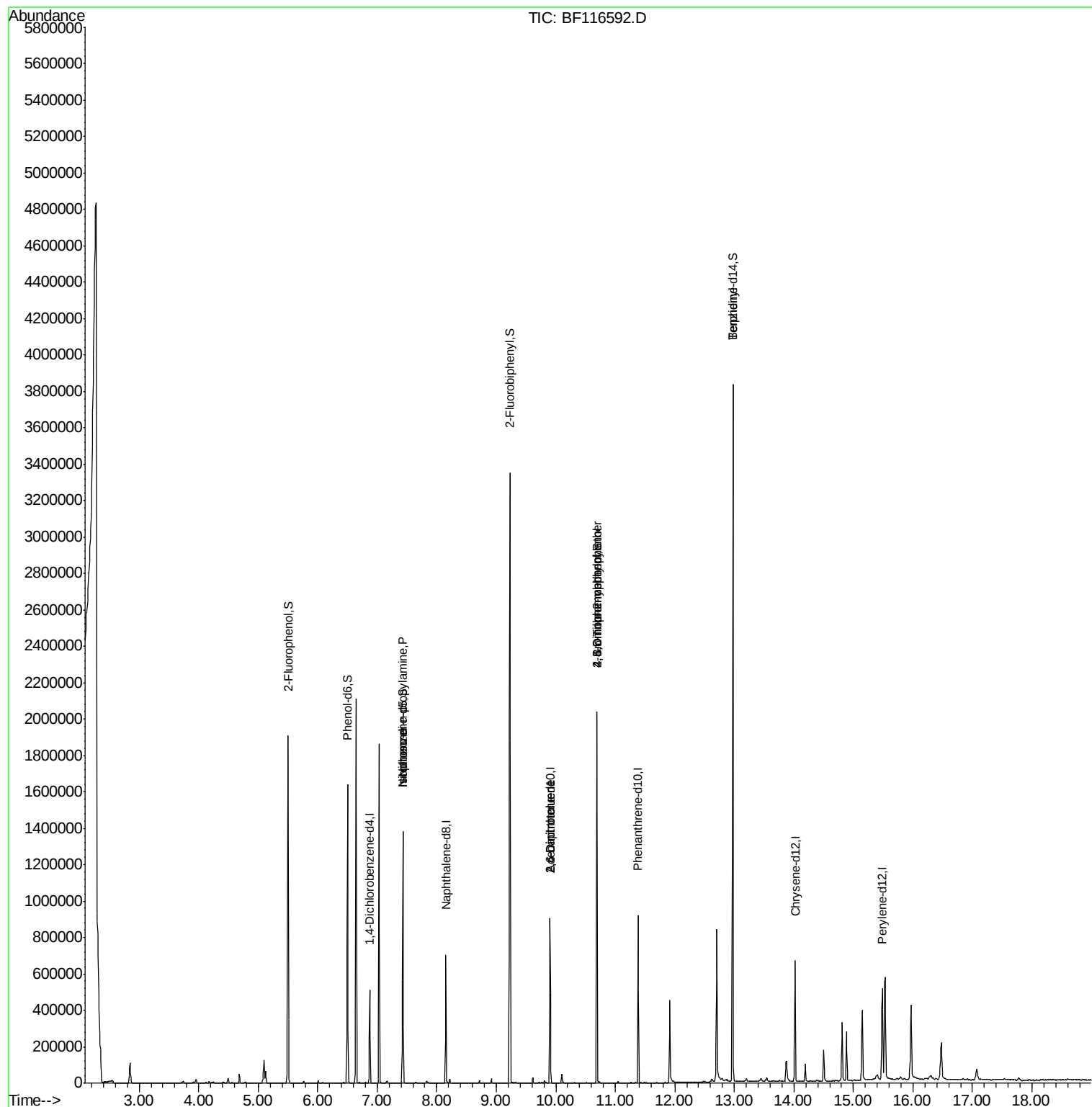
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	62246	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	329325	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	158192	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	290663	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	200773	20.00	ng	-0.01
87) Perylene-d12	15.49	264	221567	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	528292	124.01	ng	0.00
7) Phenol-d6	6.50	99	542615	103.88	ng	0.00
23) Nitrobenzene-d5	7.43	82	448203	74.46	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	227614	167.57	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	967452	98.49	ng	-0.01
79) Terphenyl-d14	12.97	244	1254619	116.72	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	61692	17.308	ng	# 76
25) Isophorone	7.43	82	446280	37.622	ng	# 67
51) 2,6-Dinitrotoluene	9.90	165	19695	8.718	ng	# 25
57) 2,4-Dinitrotoluene	9.90	165	19695	6.851	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.69	198	445	7.324	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	16039	5.263	ng	# 1
77) Benzidine	12.97	184	17080	2.114	ng	# 95

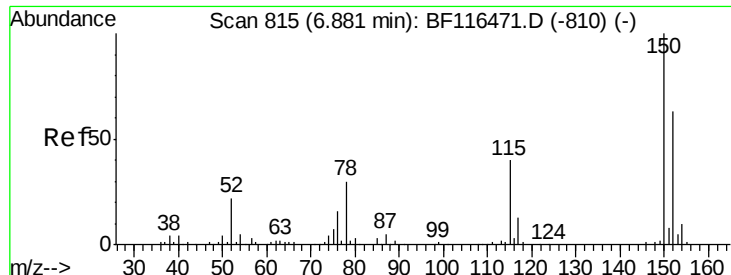
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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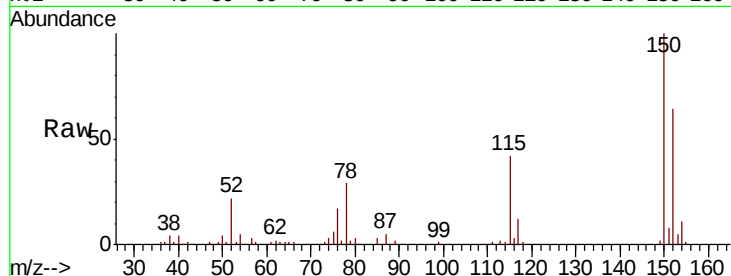


#1

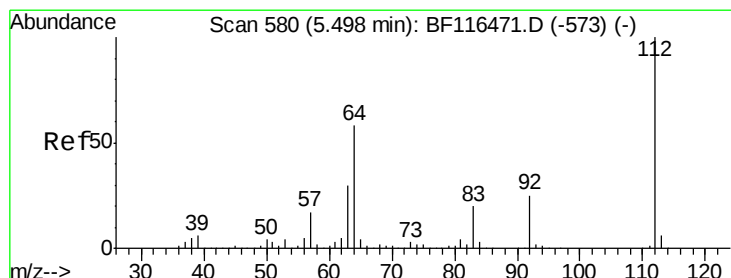
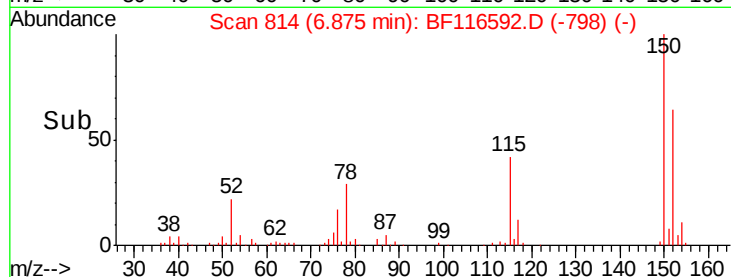
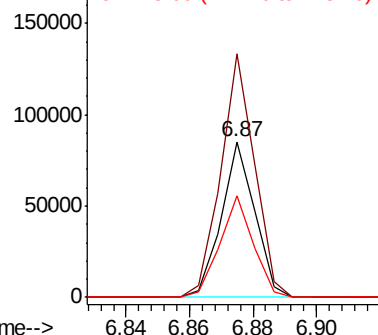
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116592.D
Acq: 27 Aug 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 62246
Ion Ratio Lower Upper
152 100
150 156.5 126.7 190.1
115 65.6 50.9 76.3



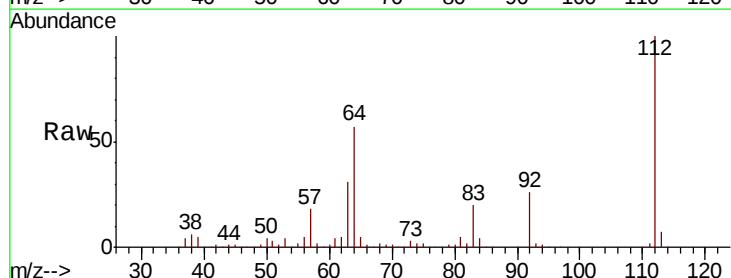
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



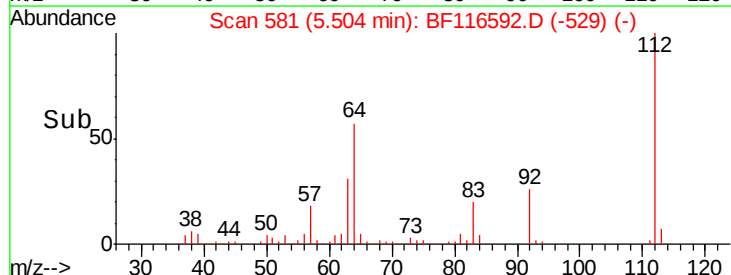
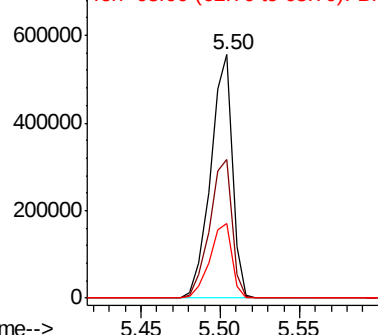
#5

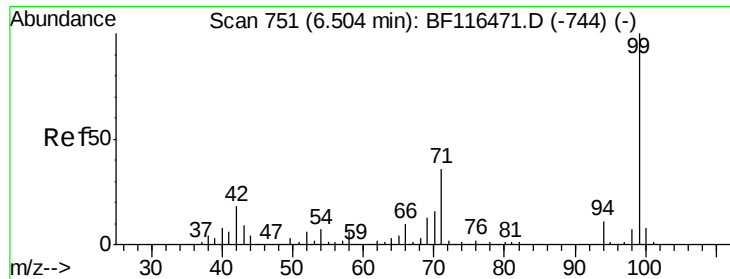
2-Fluorophenol
Concen: 124.010 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116592.D
Acq: 27 Aug 2019 19:39

Tgt Ion:112 Resp: 528292
Ion Ratio Lower Upper
112 100
64 56.7 46.3 69.5
63 30.7 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: 103.880 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116592.D

Acq: 27 Aug 2019 19:39

Instrument :

BNA_F

ClientSampleId :

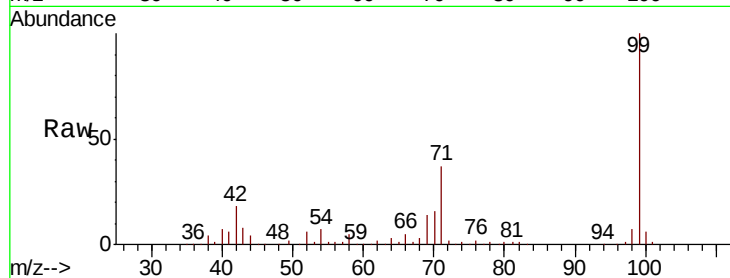
Tot Ion: 99 Resp: 542615

Ion Ratio Lower Upper

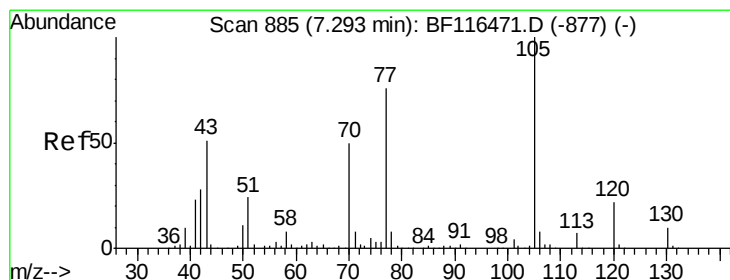
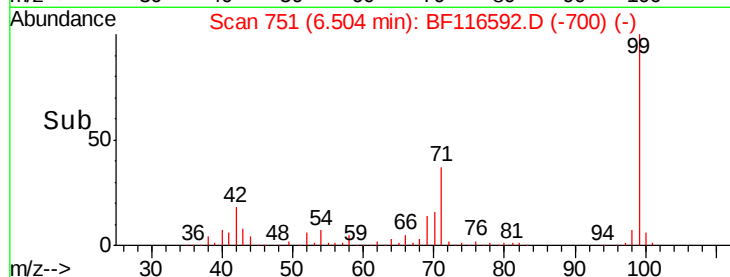
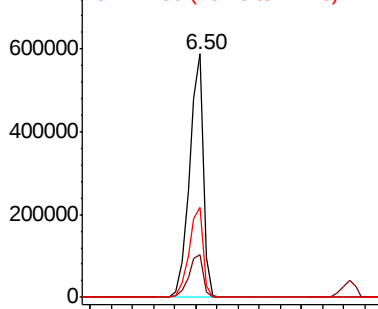
99 100

42 17.5 14.6 21.8

71 37.2 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: 17.308 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF116592.D

Acq: 27 Aug 2019 19:39

Tgt Ion: 70 Resp: 61692

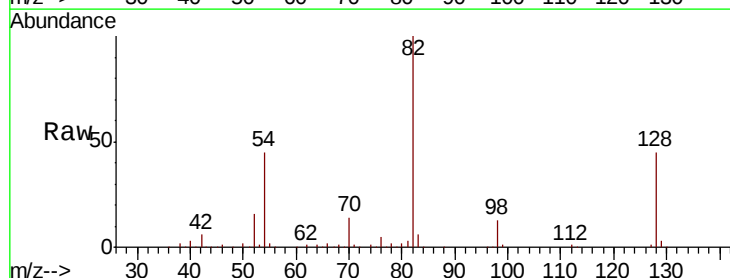
Ion Ratio Lower Upper

70 100

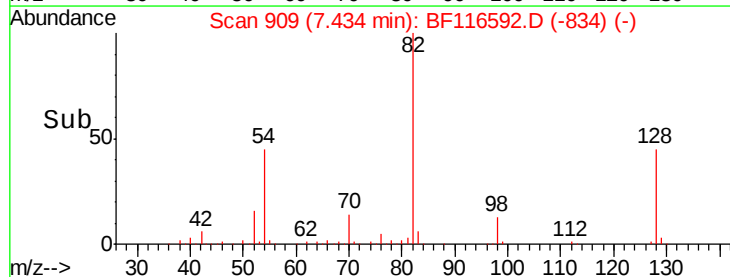
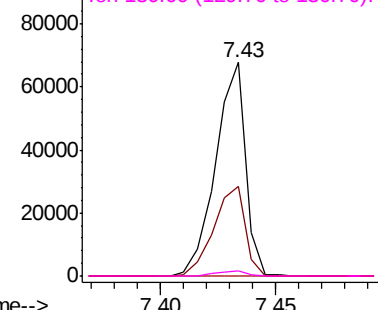
42 41.9 44.4 66.6#

101 0.0 7.1 10.7#

130 2.3 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: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF116592.D

Acq: 27 Aug 2019 19:39

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 329325

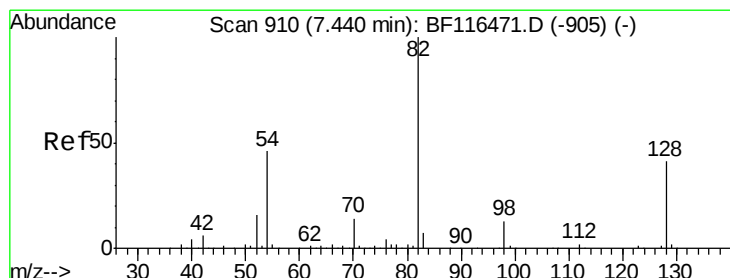
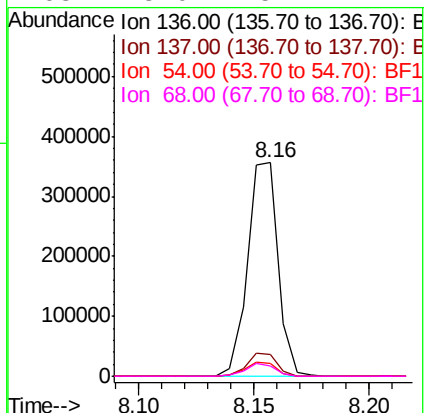
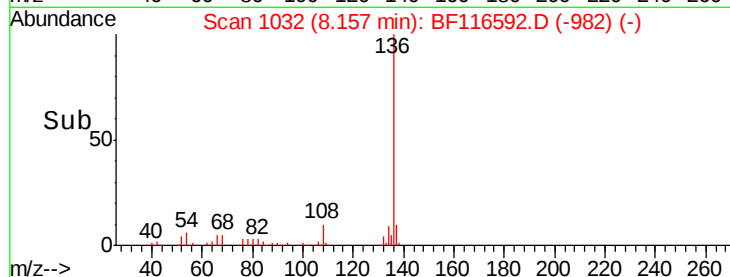
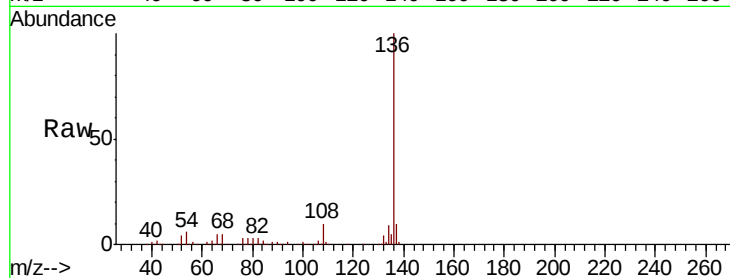
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 5.8 5.8 8.6

68 5.0 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 74.459 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF116592.D

Acq: 27 Aug 2019 19:39

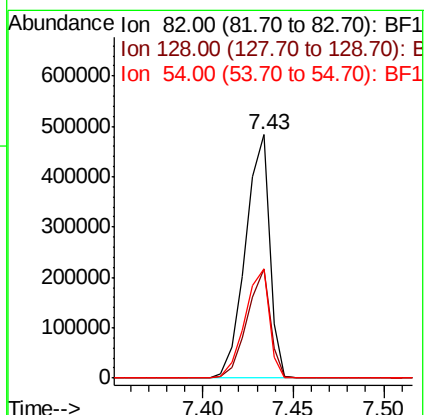
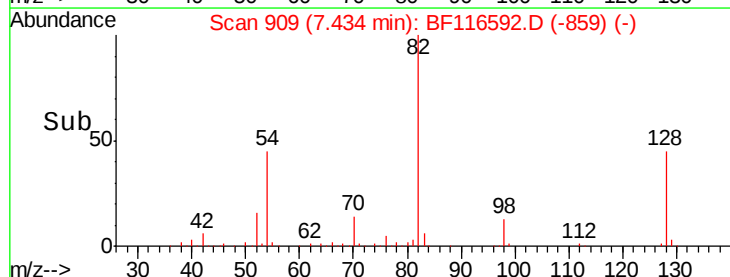
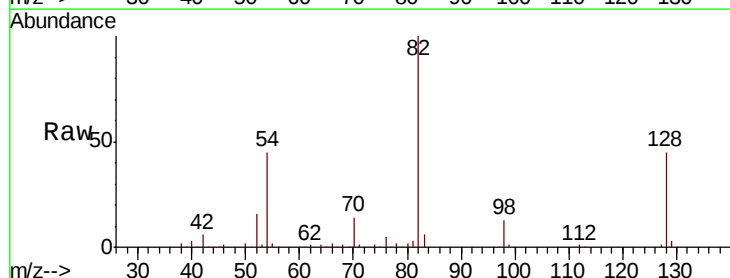
Tgt Ion: 82 Resp: 448203

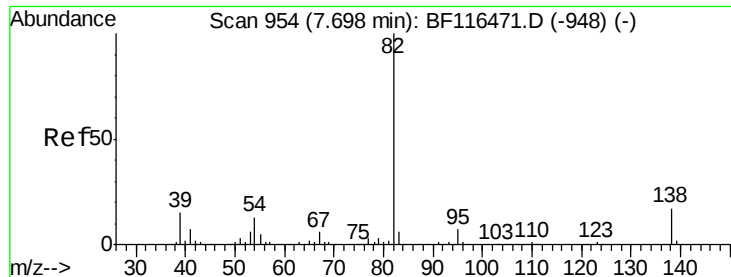
Ion Ratio Lower Upper

82 100

128 44.7 32.2 48.4

54 44.9 36.5 54.7





#25

Isophorone

Concen: 37.622 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF116592.D

Acq: 27 Aug 2019 19:39

Instrument :

BNA_F

ClientSampleId :

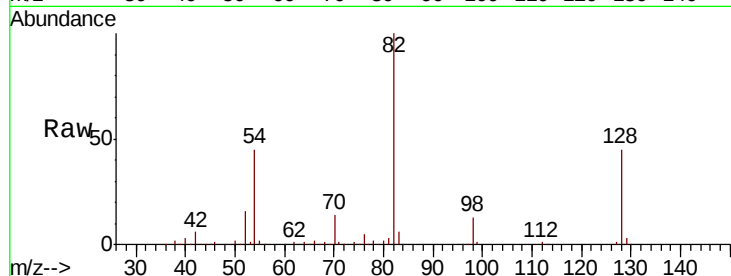
Tot Ion: 82 Resp: 446280

Ion Ratio Lower Upper

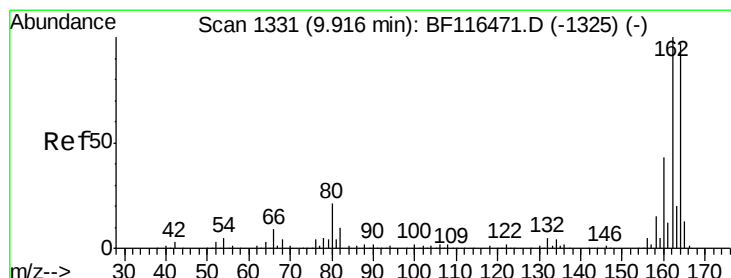
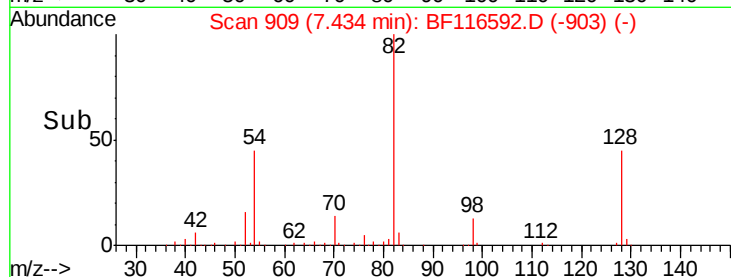
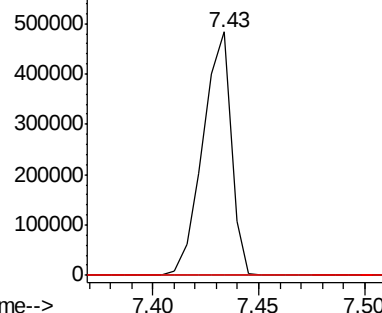
82 100

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: BF116592.D

Acq: 27 Aug 2019 19:39

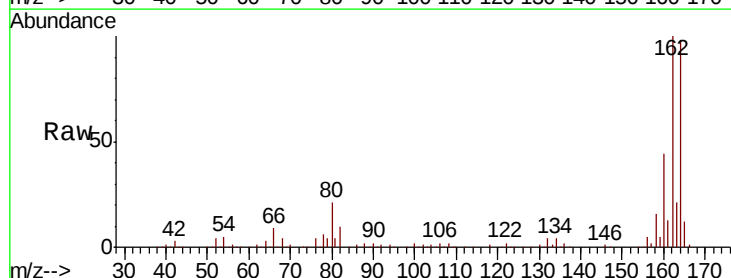
Tgt Ion: 164 Resp: 158192

Ion Ratio Lower Upper

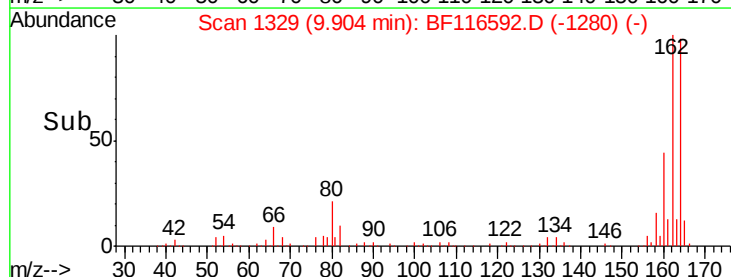
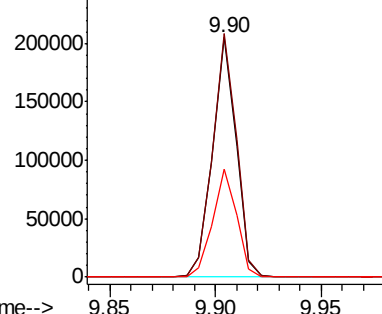
164 100

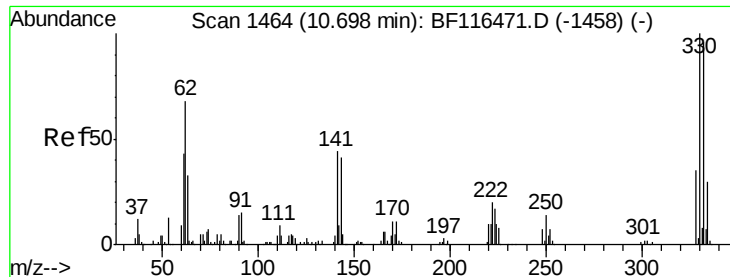
162 101.7 82.6 123.8

160 45.0 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

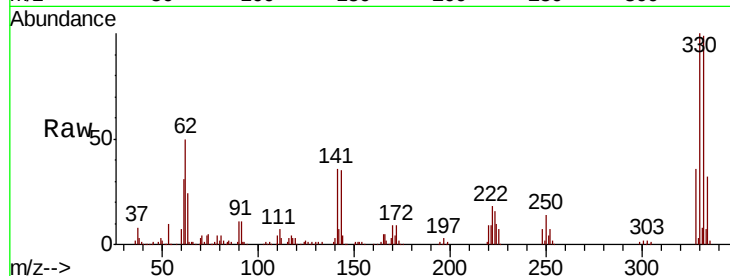




#42
 2,4,6-Tribromophenol
 Concen: 167.567 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF116592.D
 Acq: 27 Aug 2019 19:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.2	115.8
141	39.0	33.3	49.9

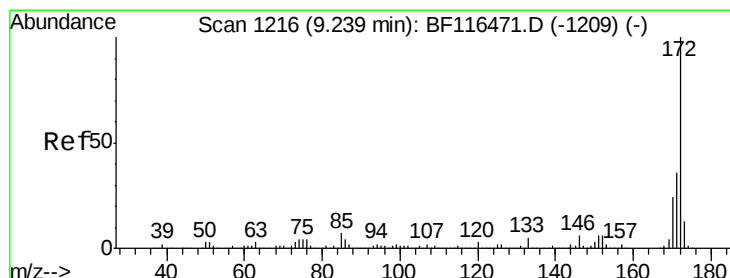
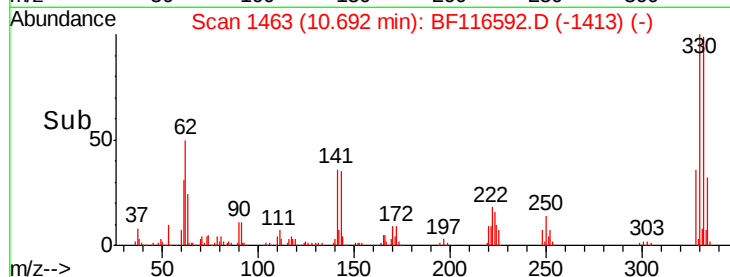
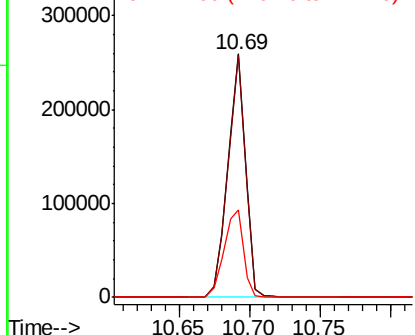


Abundance

Ion 329.80 (329.50 to 330.50): E

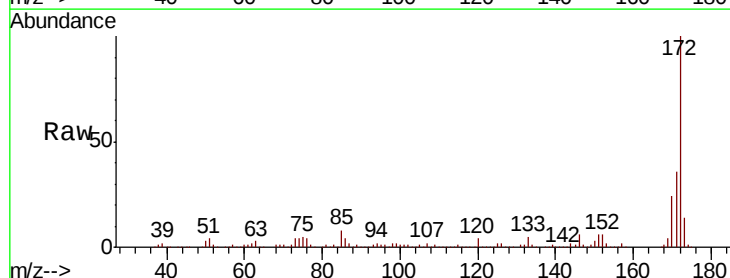
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 98.487 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF116592.D
 Acq: 27 Aug 2019 19:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	24.0	19.4	29.0

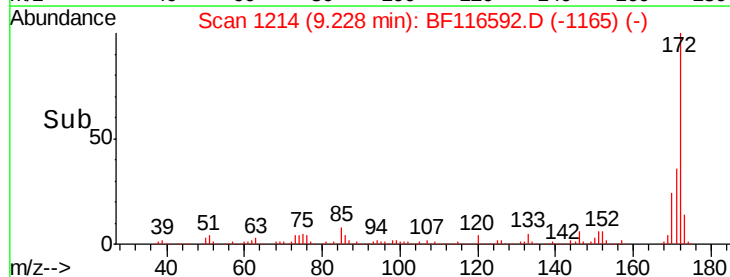
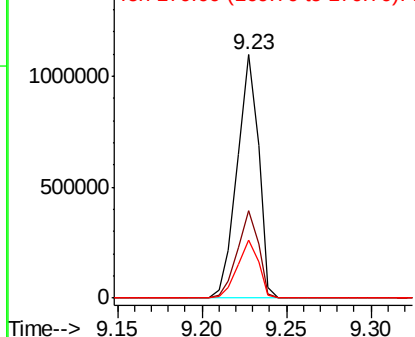


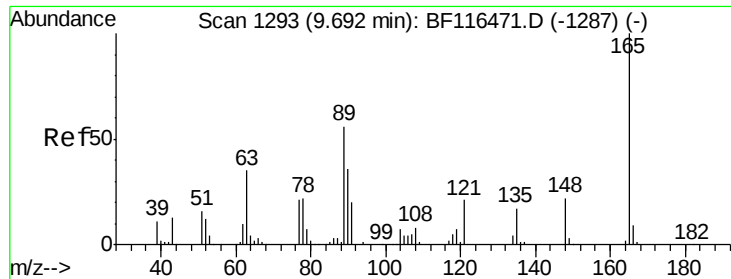
Abundance

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

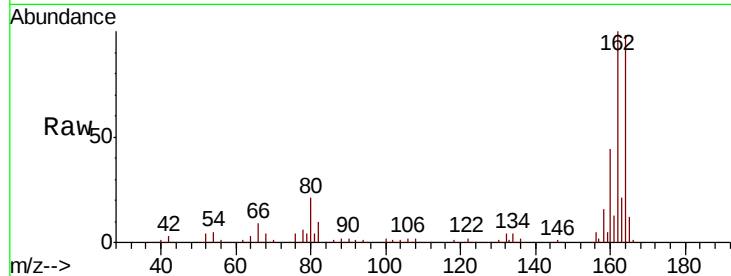




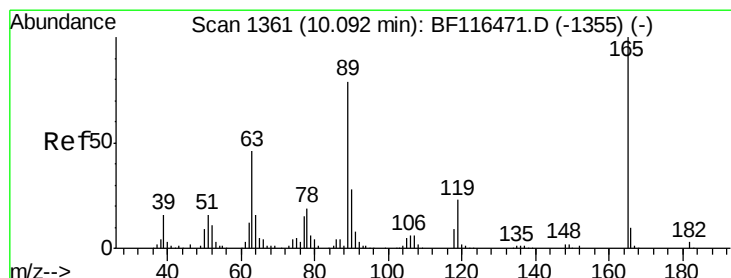
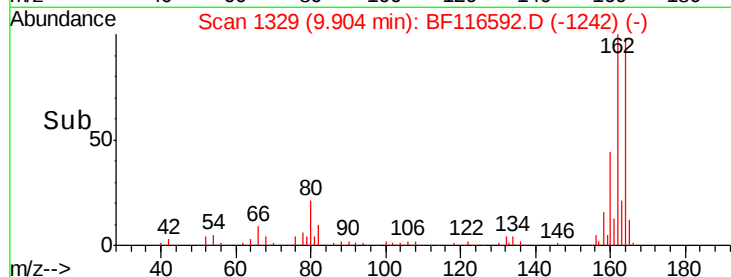
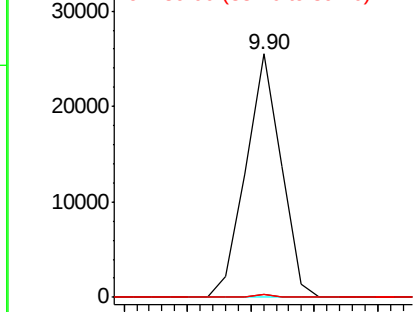
#51
 2,6-Dinitrotoluene
 Concen: 8.718 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.21 min
 Lab File: BF116592.D
 Acq: 27 Aug 2019 19:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	43.7	65.5#
89	1.2	45.1	67.7#

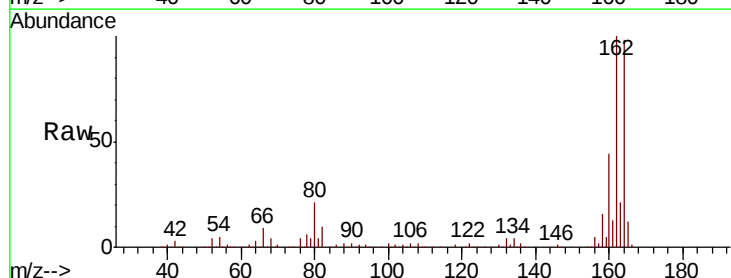


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

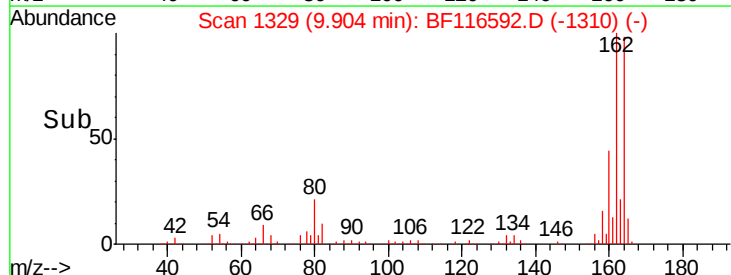
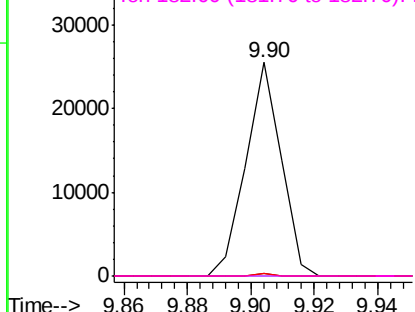


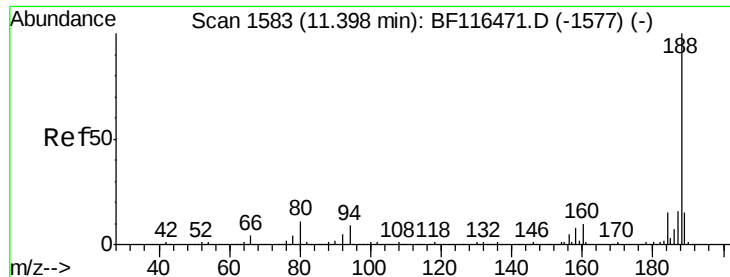
#57
 2,4-Dinitrotoluene
 Concen: 6.851 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.19 min
 Lab File: BF116592.D
 Acq: 27 Aug 2019 19:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.9	55.3#
89	1.2	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

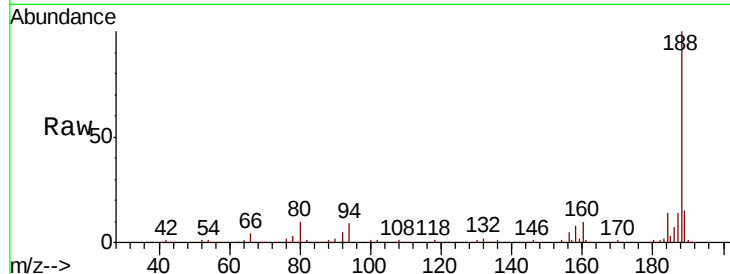




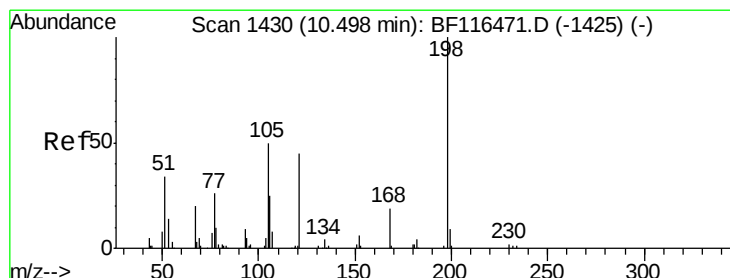
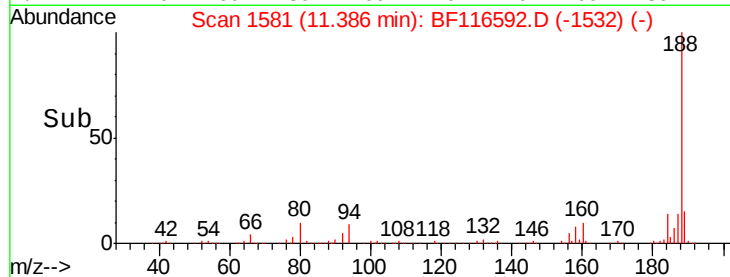
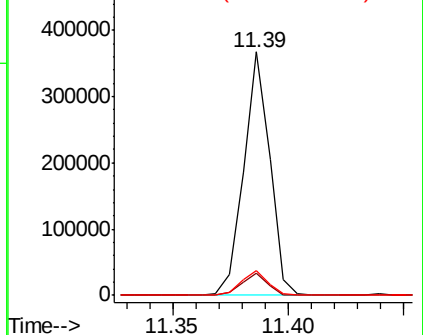
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF116592.D
 Acq: 27 Aug 2019 19:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.4	11.2
80	10.4	8.6	12.8

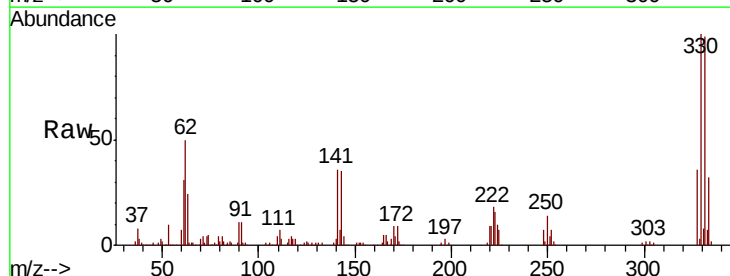


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

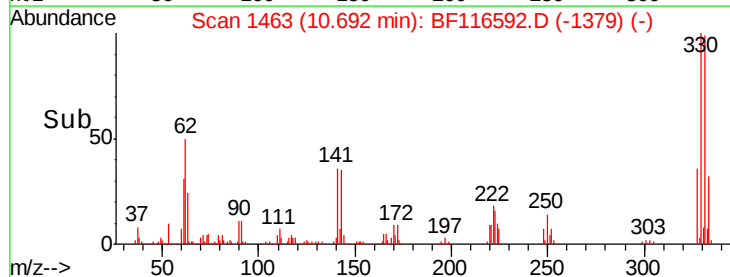
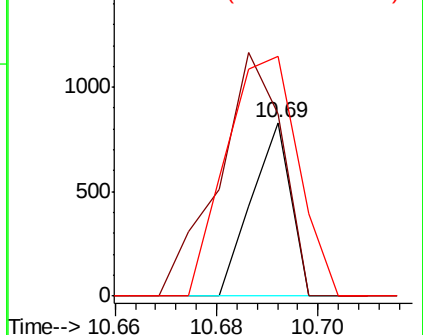


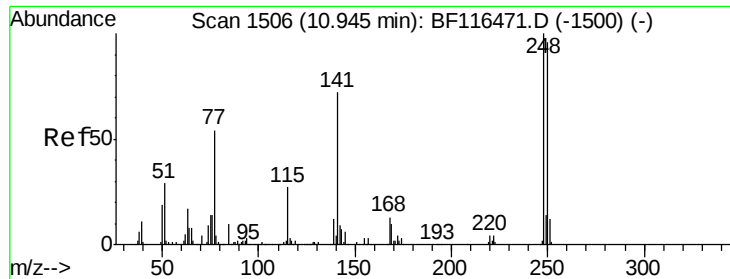
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.324 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.19 min
 Lab File: BF116592.D
 Acq: 27 Aug 2019 19:39

Tgt Ion	Ratio	Lower	Upper
198	100		
51	105.4	30.4	70.4#
105	138.7	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

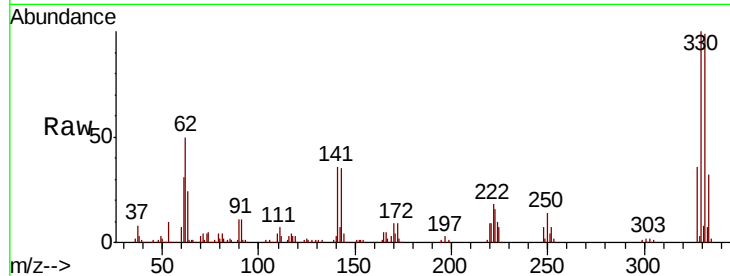




#67
 4-Bromophenyl-phenylether
 Concen: 5.263 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.25 min
 Lab File: BF116592.D
 Acq: 27 Aug 2019 19:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
248	100			
250	194.0	77.0	115.6#	
141	504.5	57.4	86.0#	

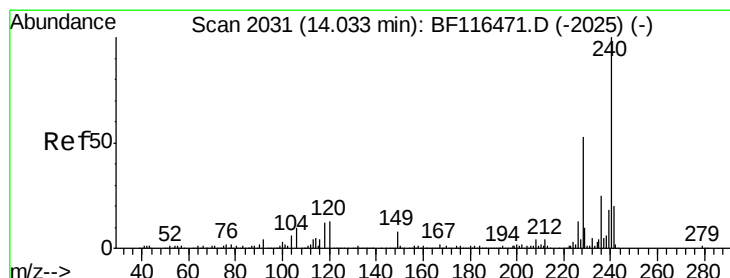
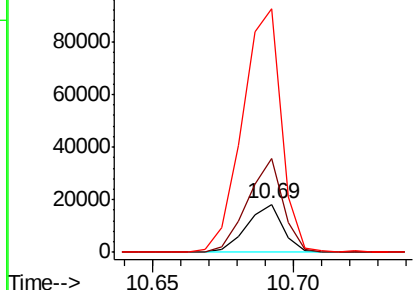
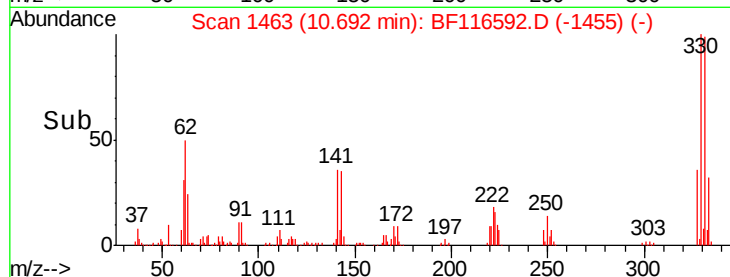


Abundance

Ion 248.00 (247.70 to 248.70): E

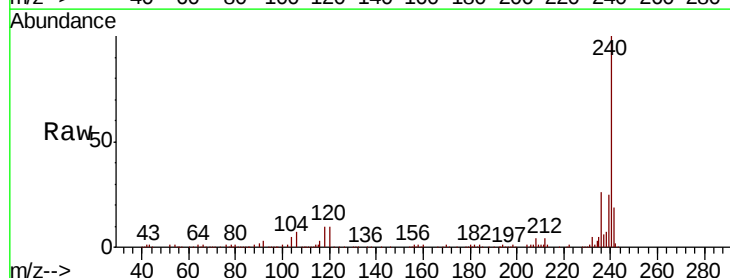
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF116592.D
 Acq: 27 Aug 2019 19:39

Tgt Ion	Ion	Ratio	Lower	Upper
240	100			
120	10.1	10.5	15.7#	
236	26.0	20.2	30.2	

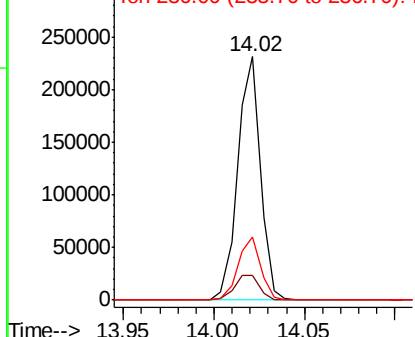
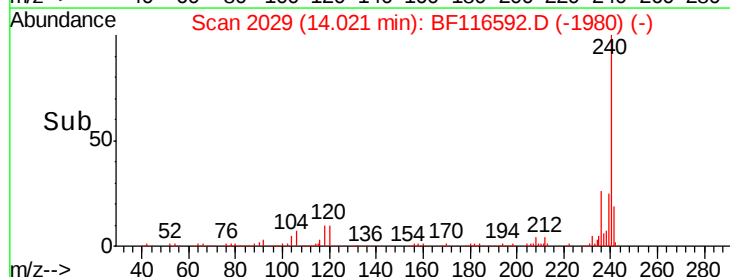


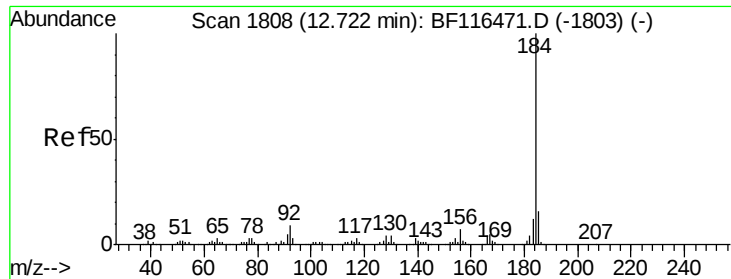
Abundance

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: 2.114 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.25 min

Lab File: BF116592.D

Acq: 27 Aug 2019 19:39

Instrument :

BNA_F

ClientSampleId :

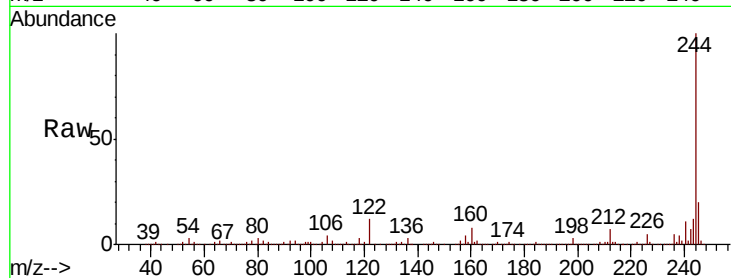
Tot Ion:184 Resp: 17080

Ion Ratio Lower Upper

184 100

185 17.6 13.0 19.4

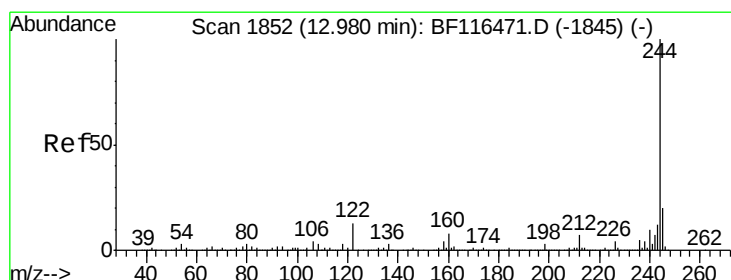
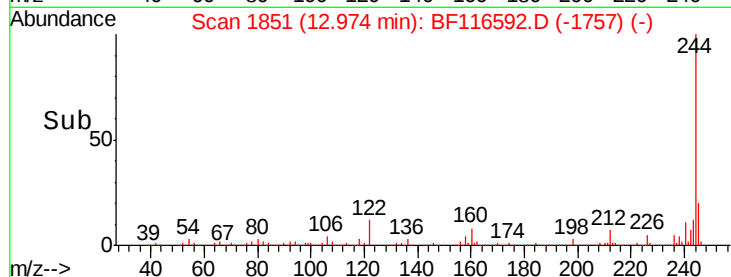
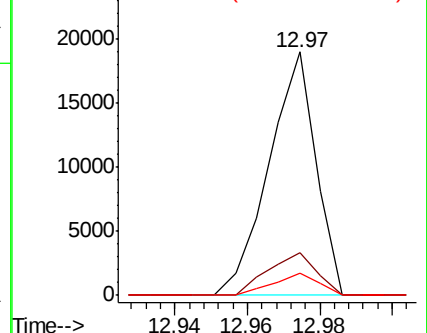
183 9.4 9.8 14.6#



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: 116.724 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF116592.D

Acq: 27 Aug 2019 19:39

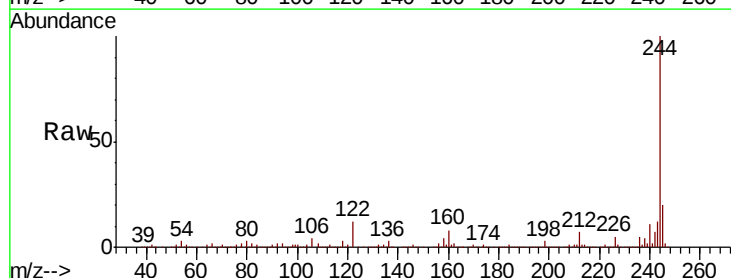
Tgt Ion:244 Resp: 1254619

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

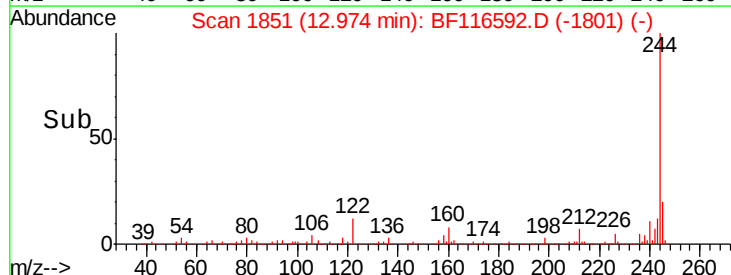
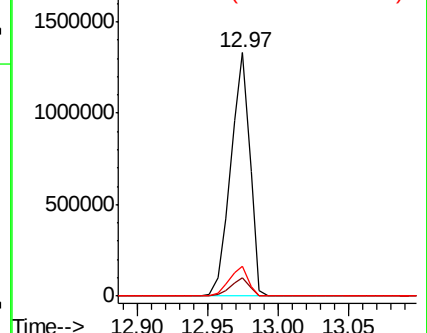
122 12.4 10.2 15.4

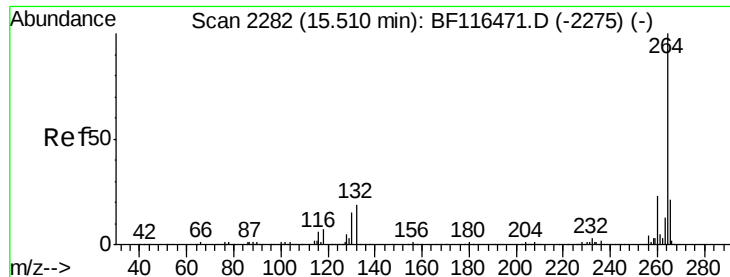


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.49 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BF116592.D
 Acq: 27 Aug 2019 19:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	21.5	17.1	25.7

