

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116595.D
 Acq On : 27 Aug 2019 21:01
 Operator : HP/JU
 Sample : K4516-37
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 06:38:06 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

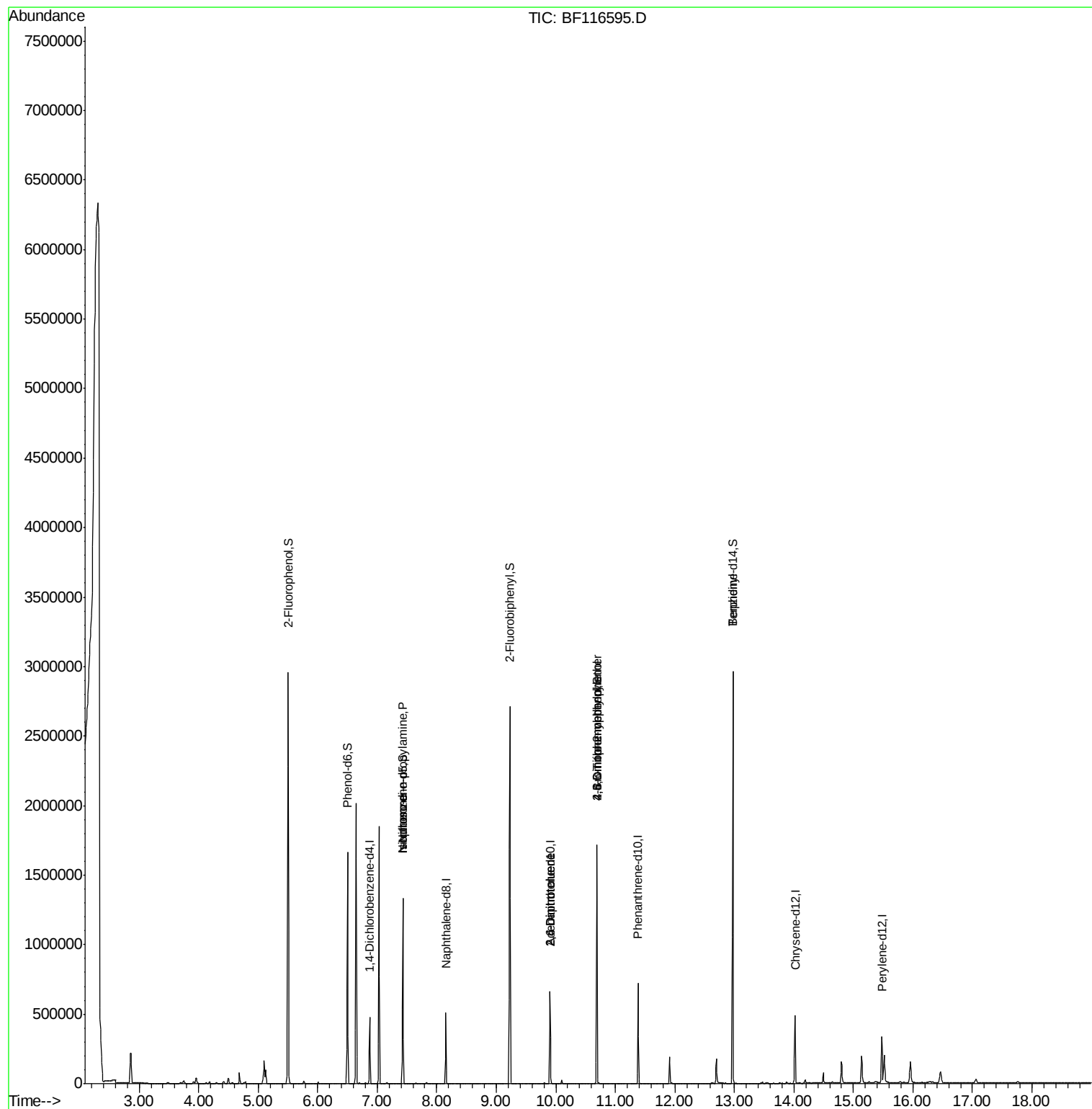
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	58969	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	227045	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	121550	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	222916	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	162779	20.00	ng	-0.01
87) Perylene-d12	15.48	264	153924	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	822912	203.90	ng	0.00
7) Phenol-d6	6.50	99	528026	106.70	ng	0.00
23) Nitrobenzene-d5	7.43	82	429299	103.45	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	184393	176.67	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	773657	102.50	ng	-0.01
79) Terphenyl-d14	12.97	244	954193	109.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	58655	17.371	ng	# 79
25) Isophorone	7.43	82	429293	52.492	ng	# 67
51) 2,6-Dinitrotoluene	9.90	165	15838	9.124	ng	# 24
57) 2,4-Dinitrotoluene	9.90	165	15838	7.170	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.69	198	432	7.409	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	12237	5.236	ng	# 1
77) Benzidine	12.97	184	13787	2.105	ng	97

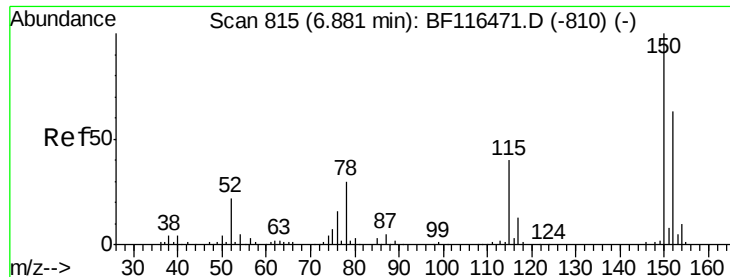
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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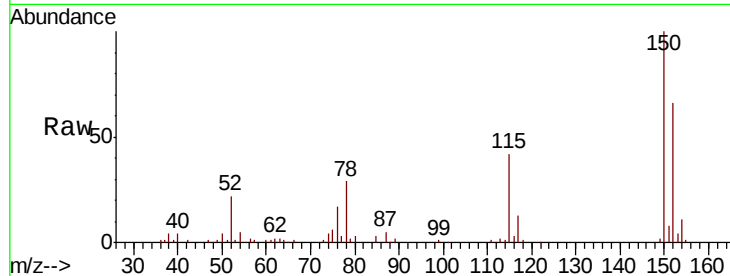


#1

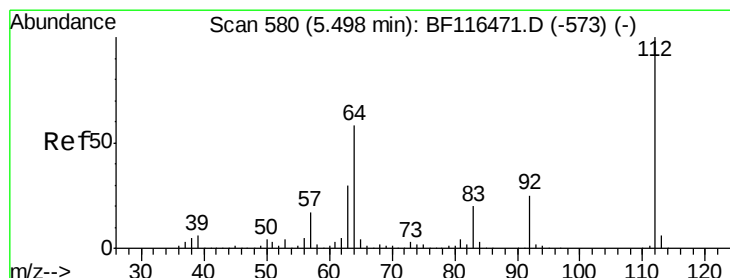
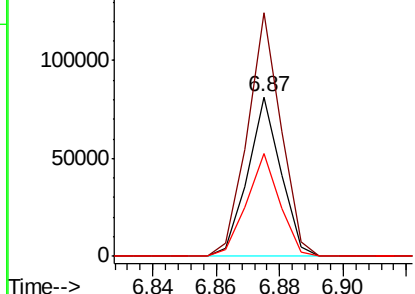
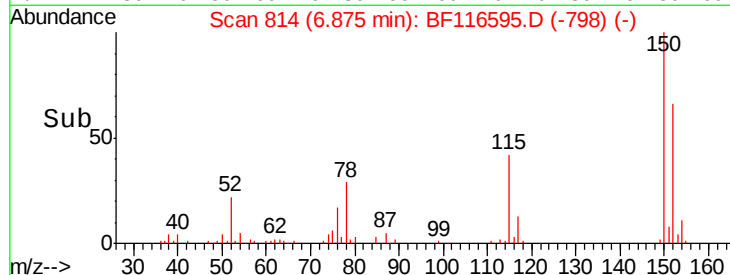
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116595.D
Acq: 27 Aug 2019 21:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 58969
Ion Ratio Lower Upper
152 100
150 152.6 126.7 190.1
115 64.7 50.9 76.3



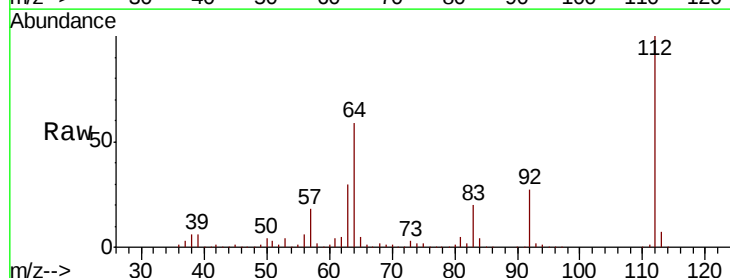
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



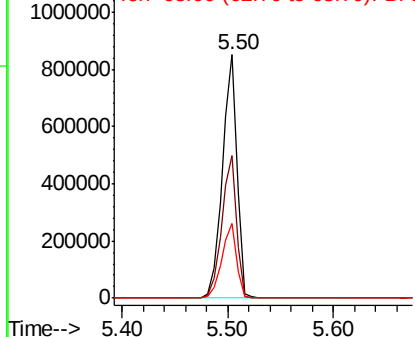
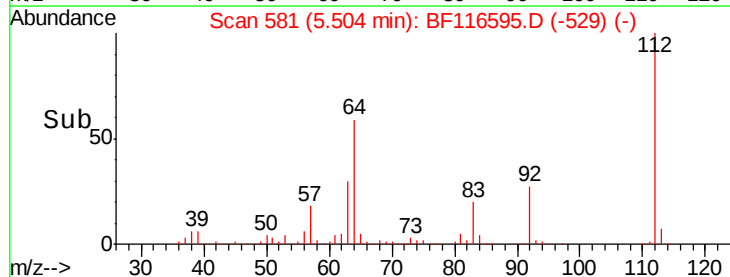
#5

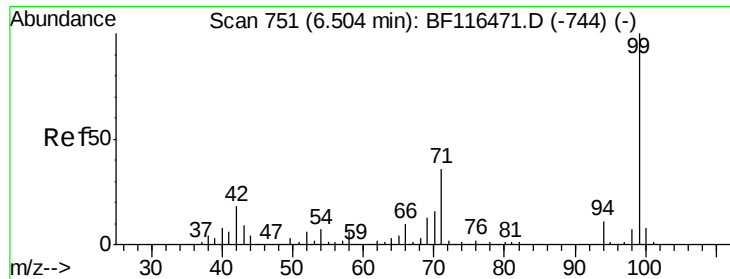
2-Fluorophenol
Concen: 203.903 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116595.D
Acq: 27 Aug 2019 21:01

Tgt Ion:112 Resp: 822912
Ion Ratio Lower Upper
112 100
64 58.6 46.3 69.5
63 30.4 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: 106.704 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116595.D

Acq: 27 Aug 2019 21:01

Instrument :

BNA_F

ClientSampleId :

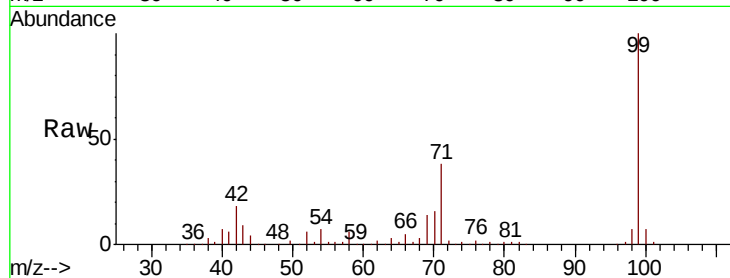
Tot Ion: 99 Resp: 528026

Ion Ratio Lower Upper

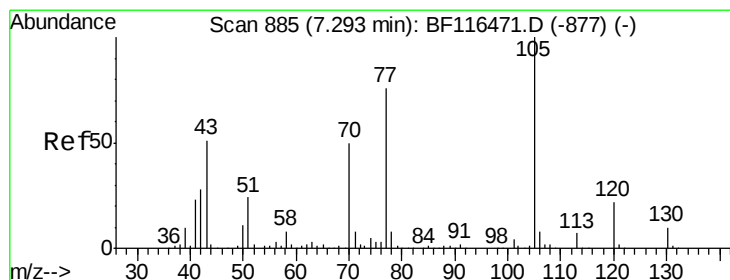
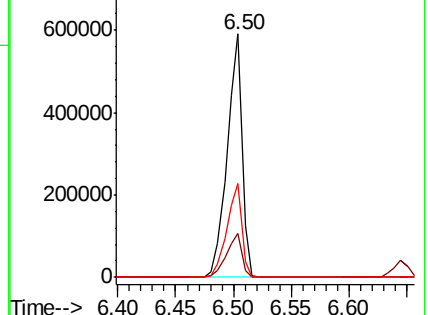
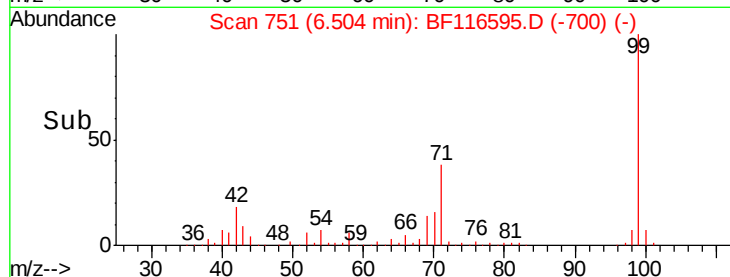
99 100

42 17.9 14.6 21.8

71 38.4 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: 17.371 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF116595.D

Acq: 27 Aug 2019 21:01

Tgt Ion: 70 Resp: 58655

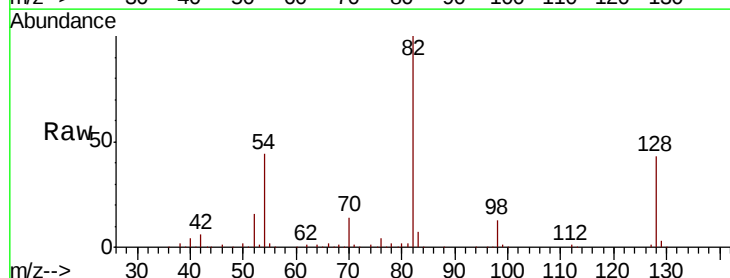
Ion Ratio Lower Upper

70 100

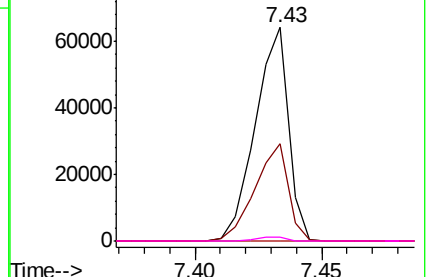
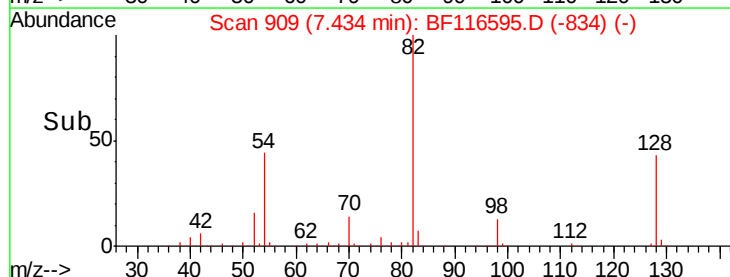
42 45.6 44.4 66.6

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): BF1
Ion 130.00 (129.70 to 130.70): BF1

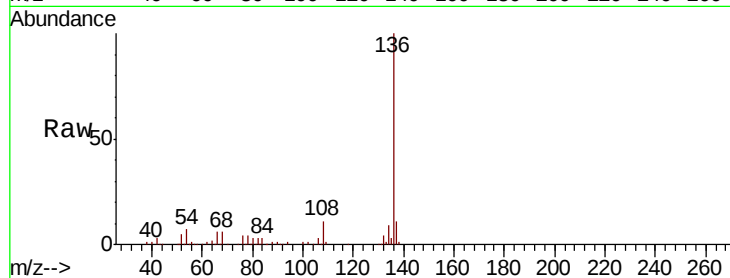




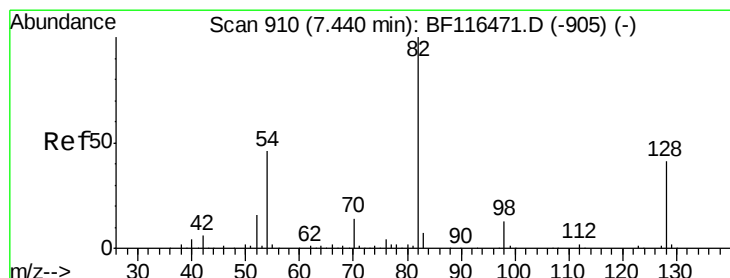
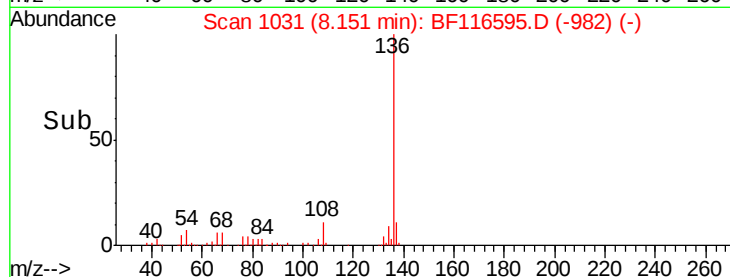
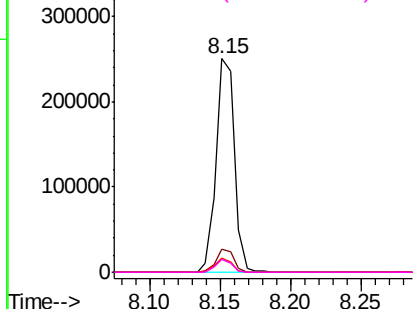
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF116595.D
Acq: 27 Aug 2019 21:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	227045
Ion Ratio	Lower	Upper
136 100		
137 10.6	9.0	13.4
54 6.8	5.8	8.6
68 5.8	5.1	7.7

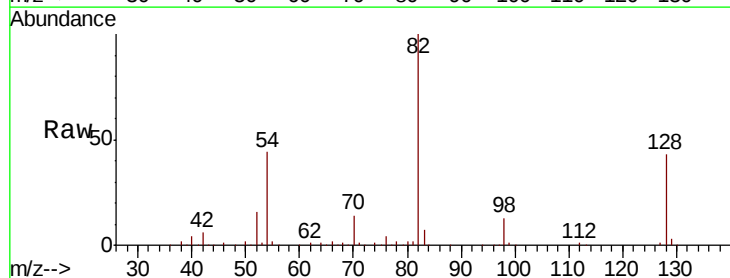


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

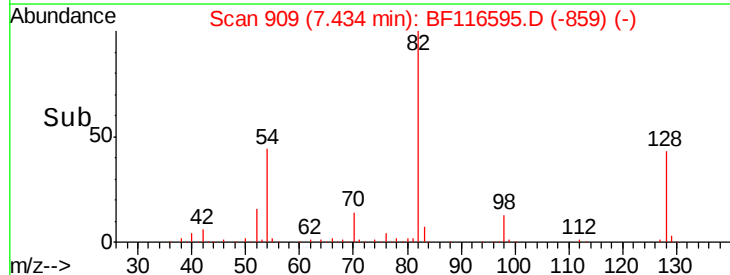
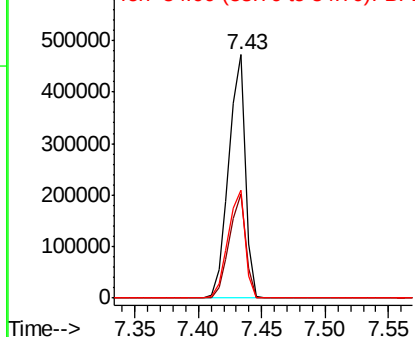


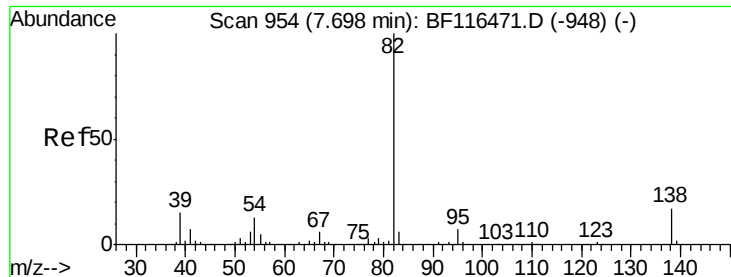
#23
Nitrobenzene-d5
Concen: 103.446 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF116595.D
Acq: 27 Aug 2019 21:01

Tgt	Ion: 82	Resp:	429299
Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.2	48.4
54	44.5	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: 52.492 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF116595.D

Acq: 27 Aug 2019 21:01

Instrument :

BNA_F

ClientSampleId :

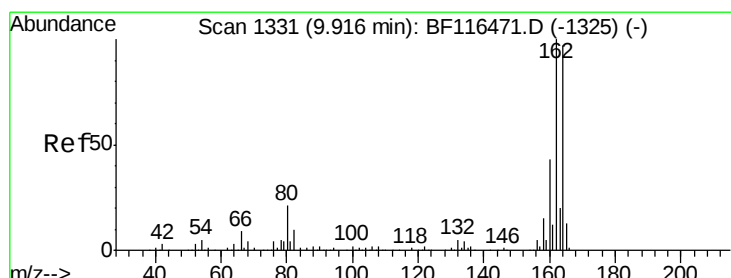
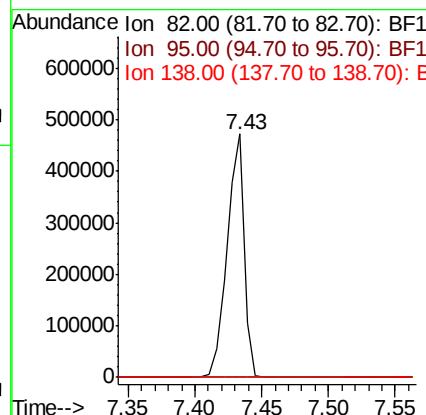
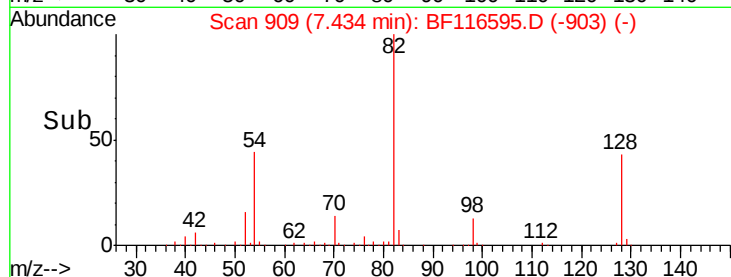
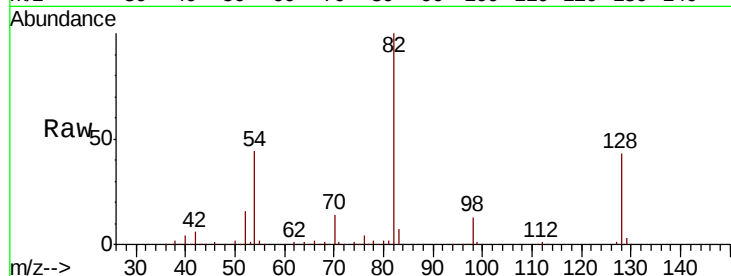
Tot Ion: 82 Resp: 429293

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.3 19.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF116595.D

Acq: 27 Aug 2019 21:01

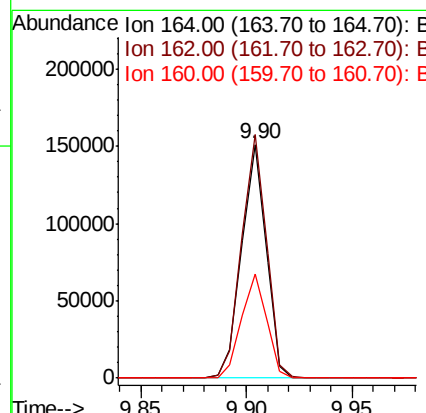
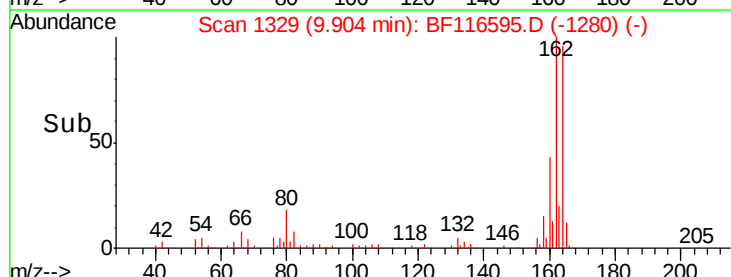
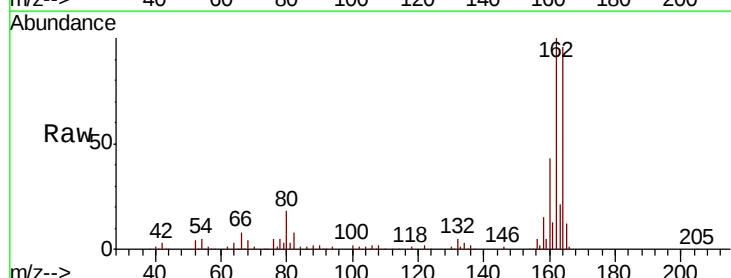
Tgt Ion: 164 Resp: 121550

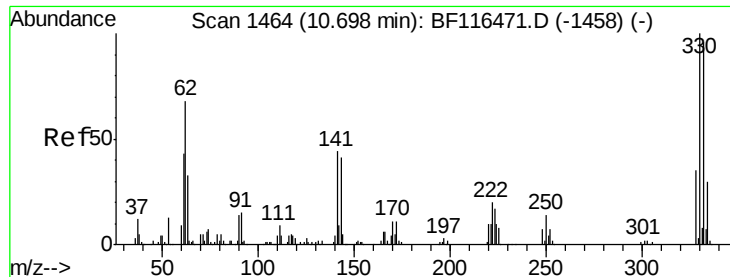
Ion Ratio Lower Upper

164 100

162 104.3 82.6 123.8

160 44.7 35.8 53.8

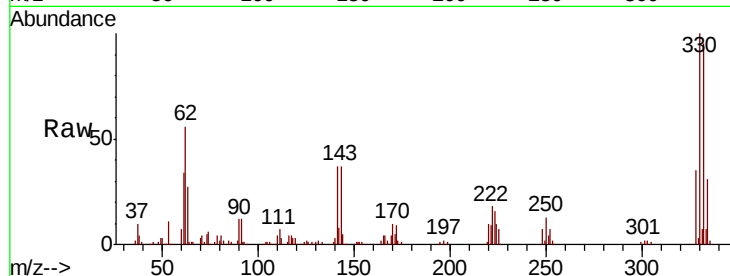




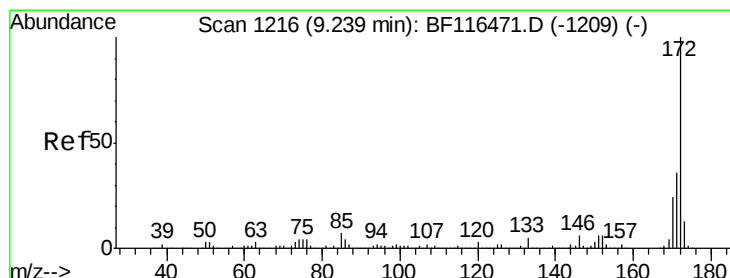
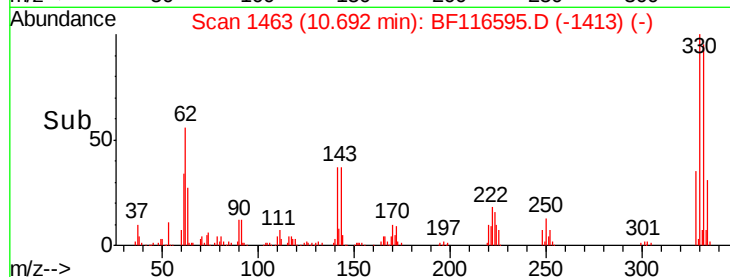
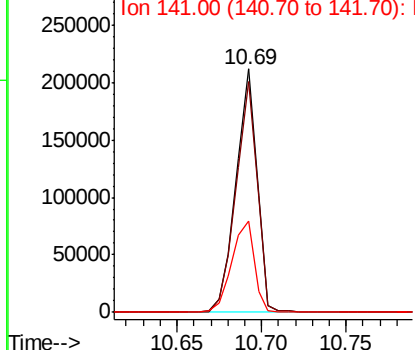
#42
 2,4,6-Tribromophenol
 Concen: 176.670 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF116595.D
 Acq: 27 Aug 2019 21:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.2	115.8
141	39.9	33.3	49.9

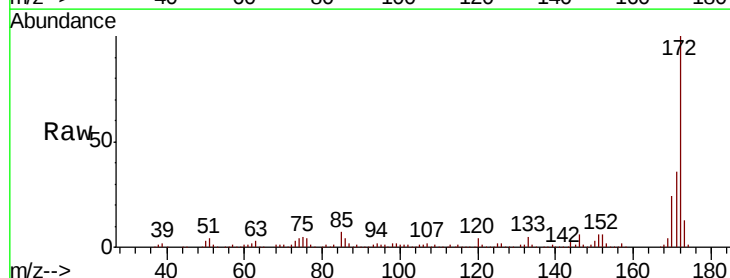


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

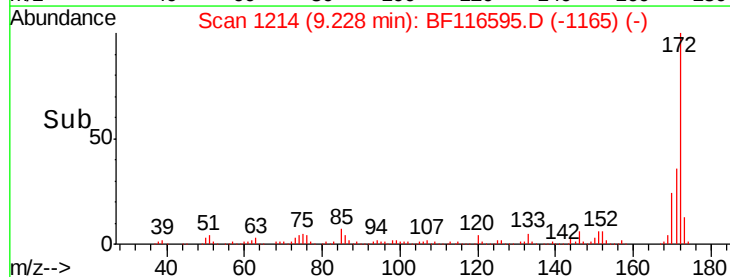
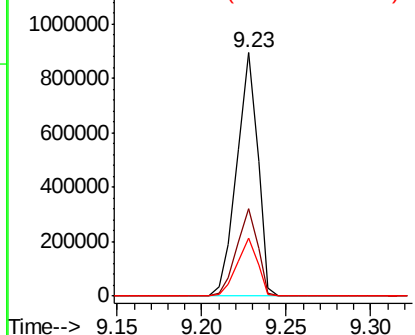


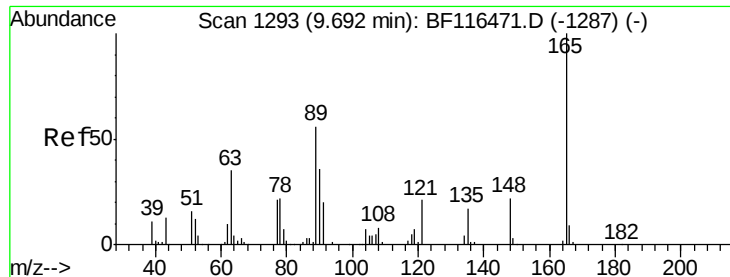
#45
 2-Fluorobiphenyl
 Concen: 102.501 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF116595.D
 Acq: 27 Aug 2019 21:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	23.9	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: 9.124 ng

RT: 9.90 min Scan# 1329

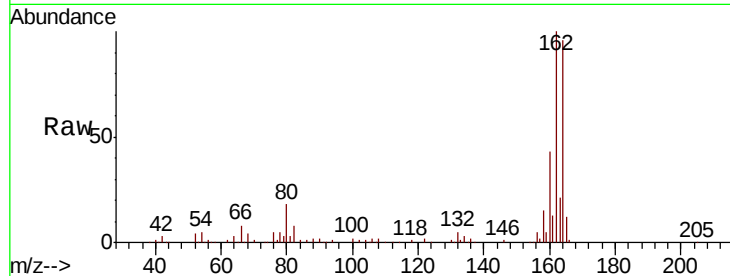
Delta R.T. 0.21 min

Lab File: BF116595.D

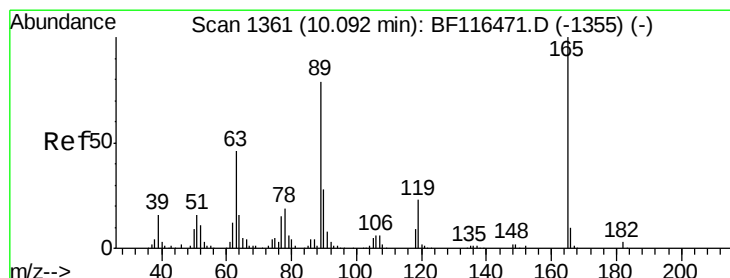
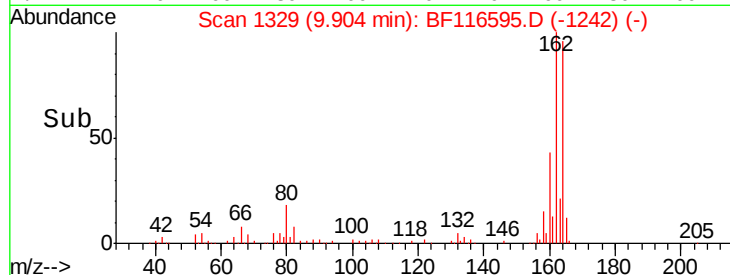
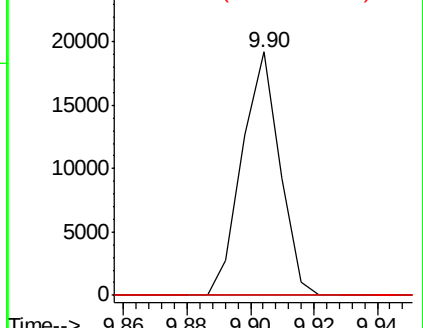
Acq: 27 Aug 2019 21:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	15838
Ion Ratio	Lower	Upper
165	100	
63	0.0	43.7 65.5#
89	0.0	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: 7.170 ng

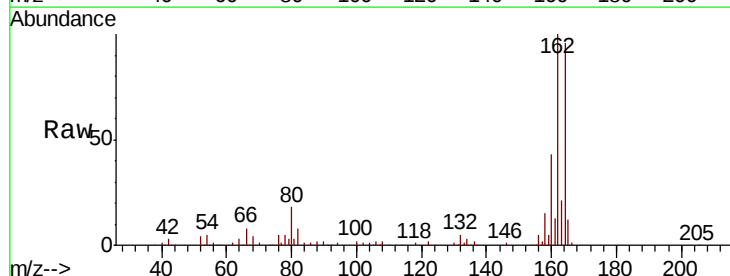
RT: 9.90 min Scan# 1329

Delta R.T. -0.19 min

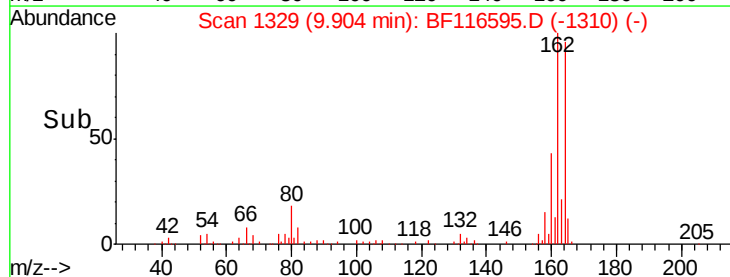
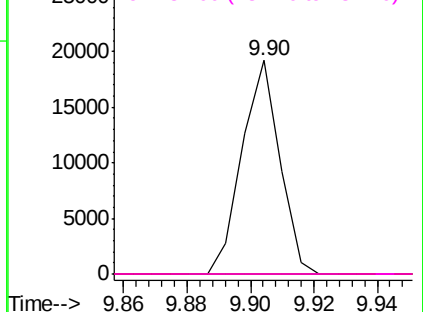
Lab File: BF116595.D

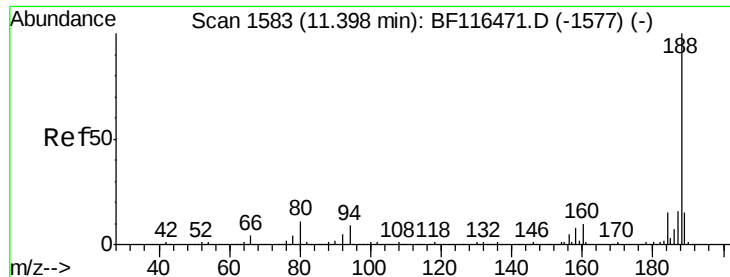
Acq: 27 Aug 2019 21:01

Tgt Ion:165	Resp:	15838
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.9 55.3#
89	0.0	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

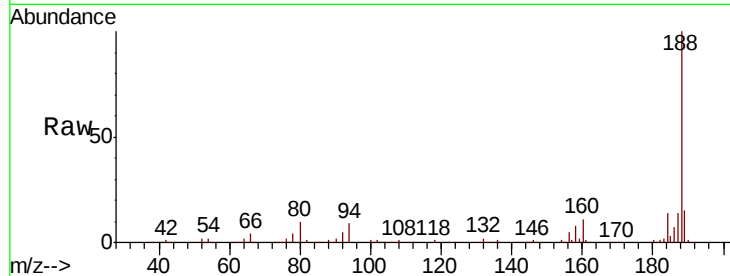




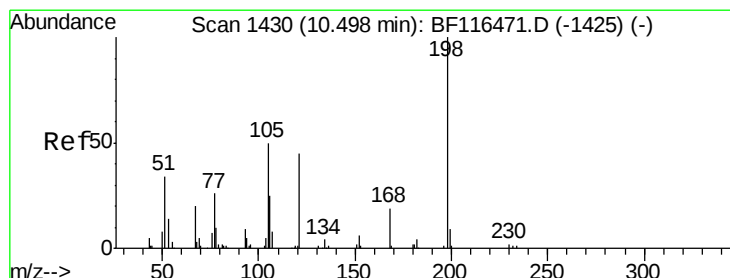
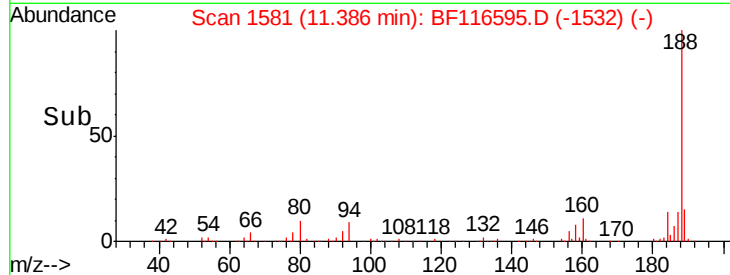
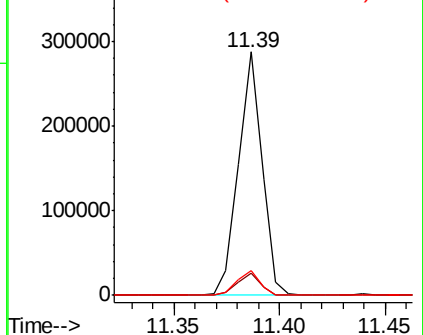
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116595.D
Acq: 27 Aug 2019 21:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.4	11.2
80	10.0	8.6	12.8

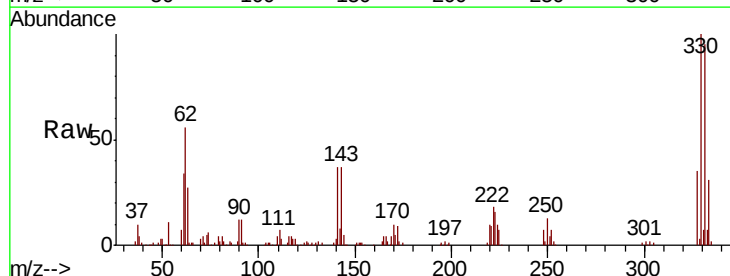


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

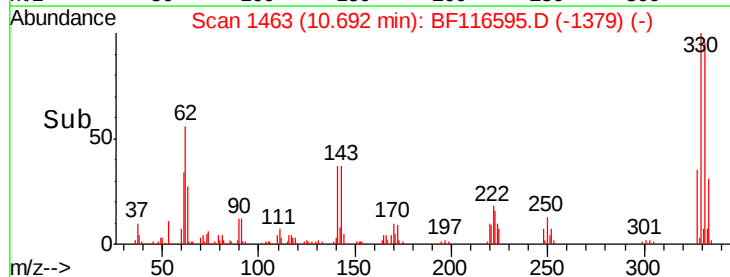
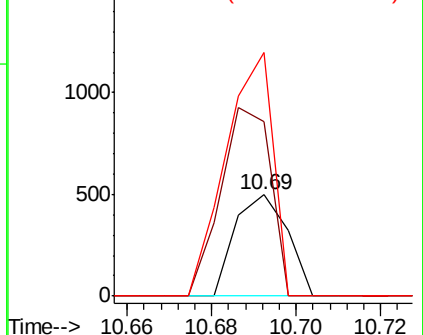


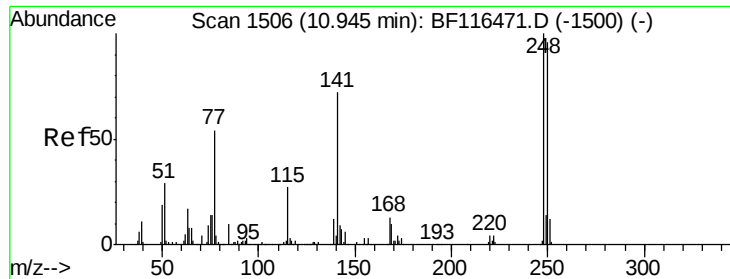
#65
4,6-Dinitro-2-methylphenol
Concen: 7.409 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.19 min
Lab File: BF116595.D
Acq: 27 Aug 2019 21:01

Tgt Ion	Ratio	Lower	Upper
198	100		
51	171.7	30.4	70.4#
105	239.9	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

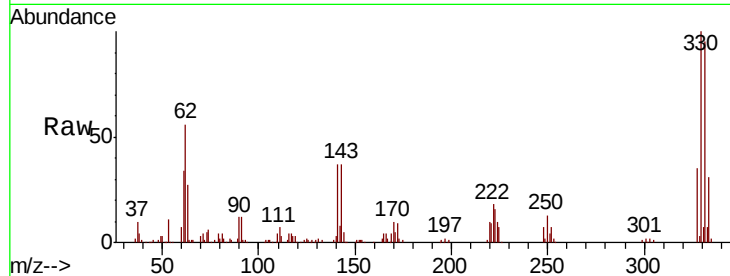




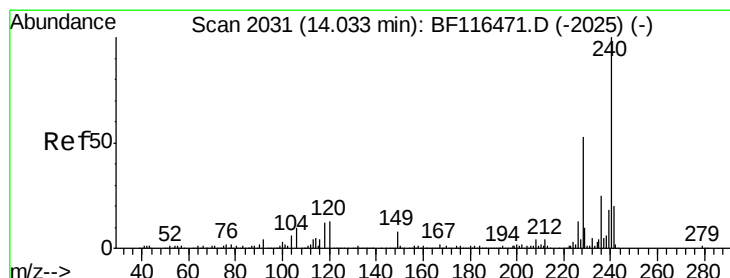
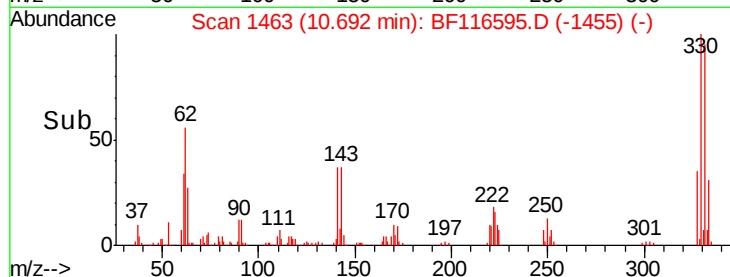
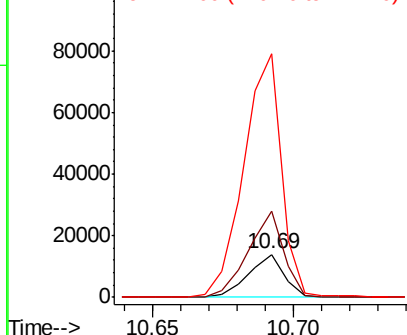
#67
 4-Bromophenyl-phenylether
 Concen: 5.236 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.25 min
 Lab File: BF116595.D
 Acq: 27 Aug 2019 21:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12237
 Ion Ratio Lower Upper
 248 100
 250 200.5 77.0 115.6#
 141 564.4 57.4 86.0#

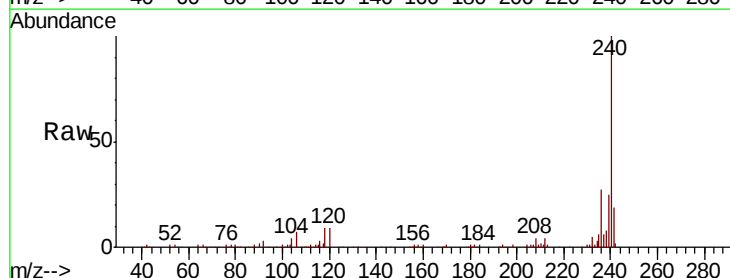


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

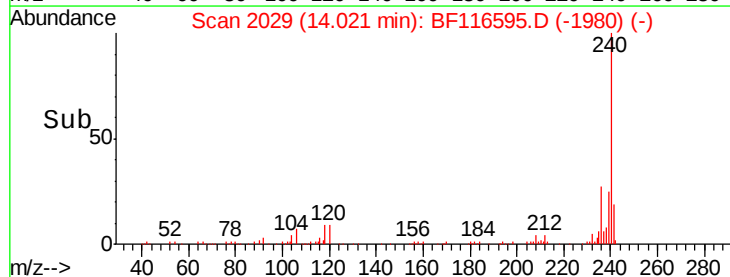
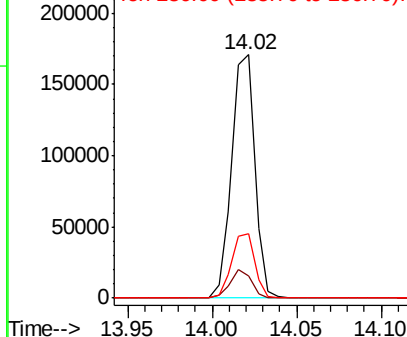


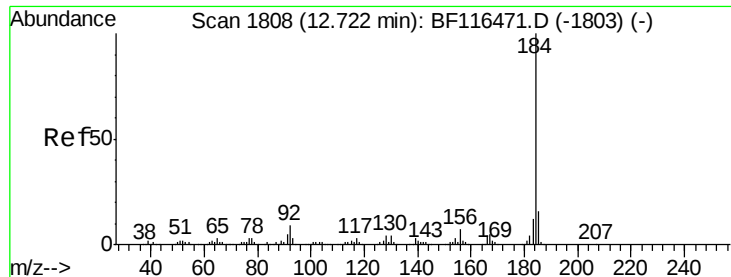
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF116595.D
 Acq: 27 Aug 2019 21:01

Tgt Ion:240 Resp: 162779
 Ion Ratio Lower Upper
 240 100
 120 9.4 10.5 15.7#
 236 26.5 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: 2.105 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.25 min

Lab File: BF116595.D

Acq: 27 Aug 2019 21:01

Instrument :

BNA_F

ClientSampleId :

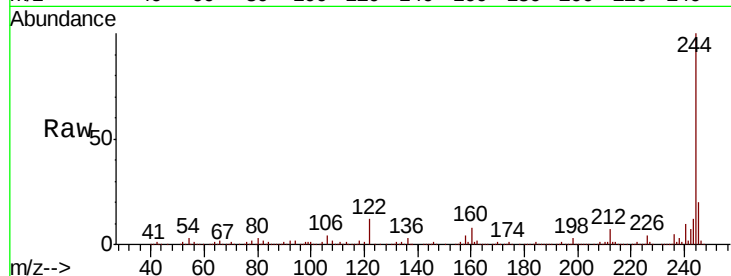
Tot Ion:184 Resp: 13787

Ion Ratio Lower Upper

184 100

185 15.5 13.0 19.4

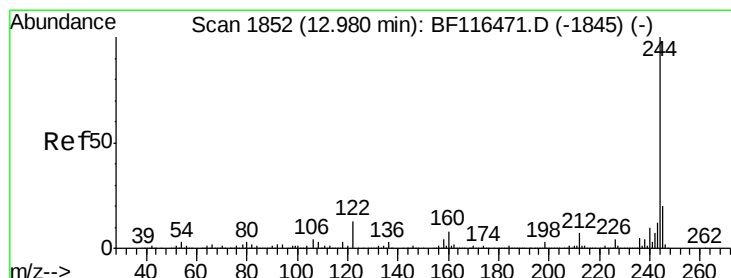
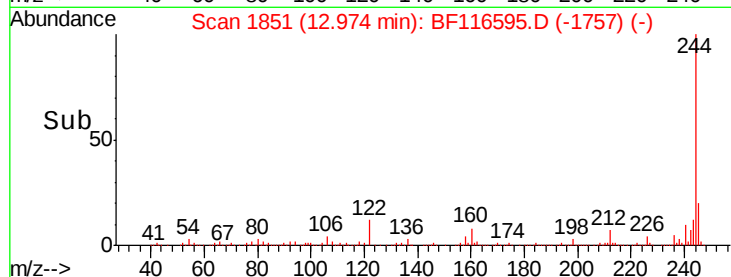
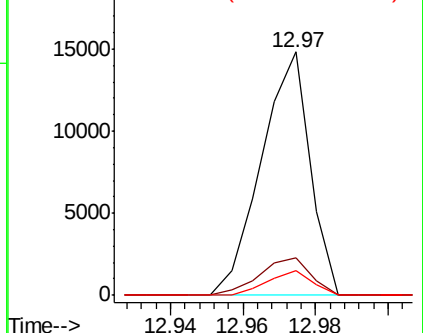
183 10.2 9.8 14.6



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: 109.494 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF116595.D

Acq: 27 Aug 2019 21:01

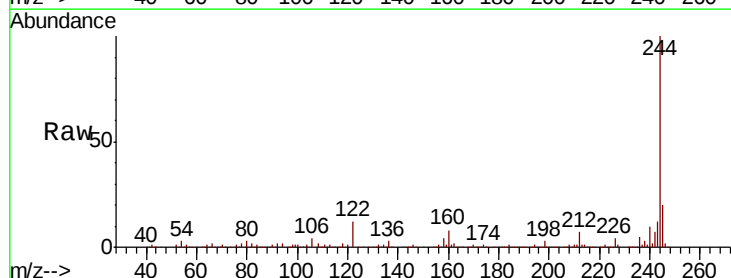
Tgt Ion:244 Resp: 954193

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

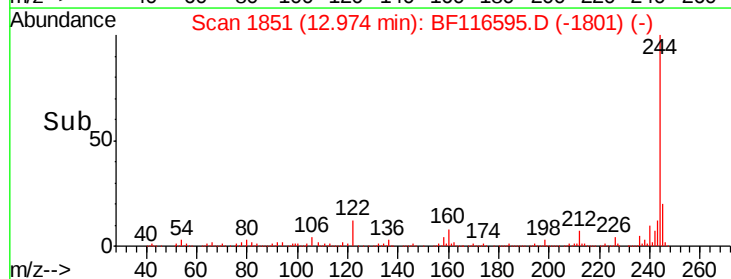
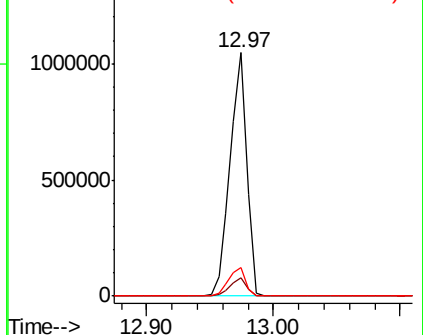
122 11.9 10.2 15.4

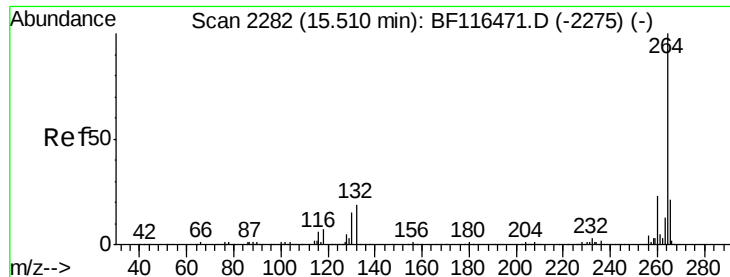


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF116595.D
 Acq: 27 Aug 2019 21:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.8	28.2
265	20.7	17.1	25.7

