

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116598.D
 Acq On : 27 Aug 2019 22:23
 Operator : HP/JU
 Sample : K4525-30
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 06:38:51 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

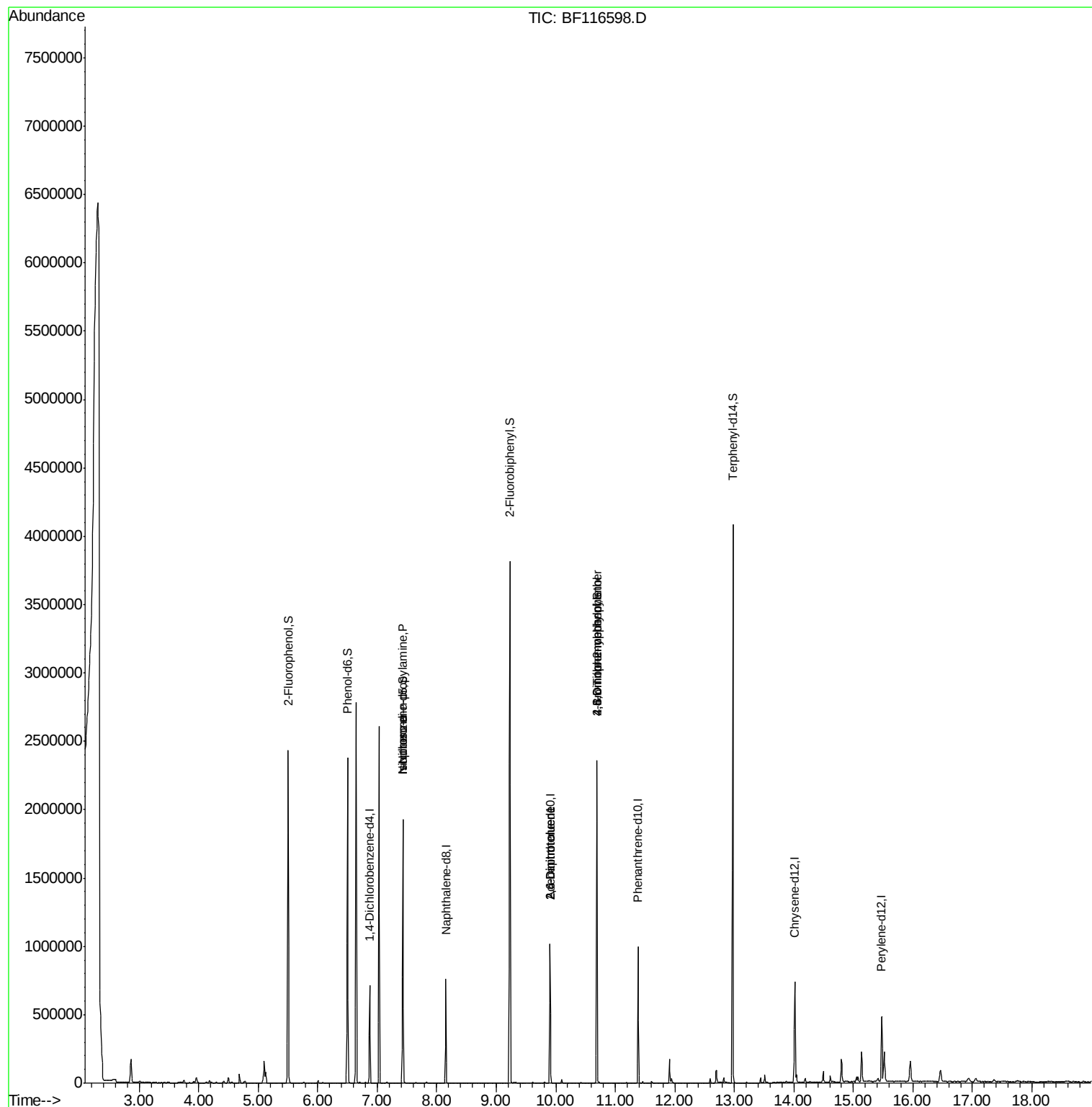
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	90052	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	346796	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	183583	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	327517	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	234527	20.00	ng	-0.02
87) Perylene-d12	15.48	264	227641	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	673965	109.35	ng	0.00
7) Phenol-d6	6.50	99	812318	107.49	ng	0.00
23) Nitrobenzene-d5	7.43	82	634985	100.17	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	271618	172.31	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1126954	98.86	ng	-0.01
79) Terphenyl-d14	12.97	244	1391774	110.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	85713	16.622	ng	# 76
25) Isophorone	7.43	82	634978	50.832	ng	# 67
51) 2,6-Dinitrotoluene	9.90	165	23396	8.924	ng	# 25
57) 2,4-Dinitrotoluene	9.90	165	23396	7.013	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.69	198	658	7.424	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	17972	5.234	ng	# 1

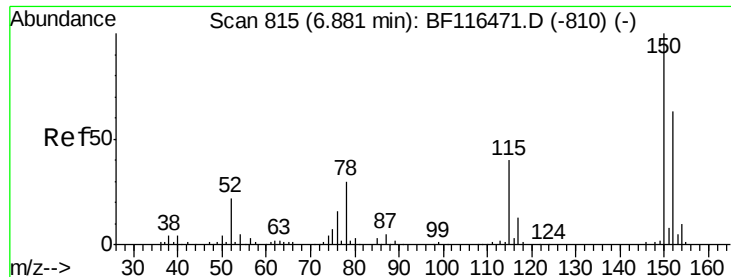
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
Data File : BF116598.D
Acq On : 27 Aug 2019 22:23
Operator : HP/JU
Sample : K4525-30
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 28 06:38:51 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



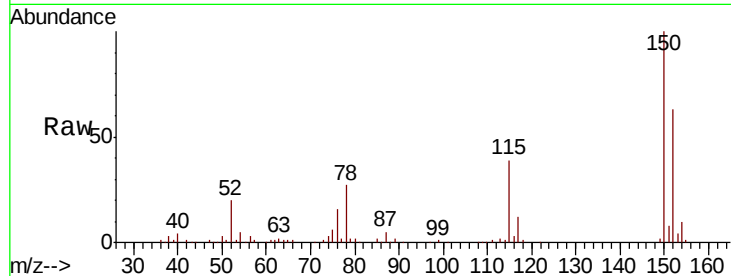


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116598.D
Acq: 27 Aug 2019 22:23

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	126.7	190.1
115	62.0	50.9	76.3

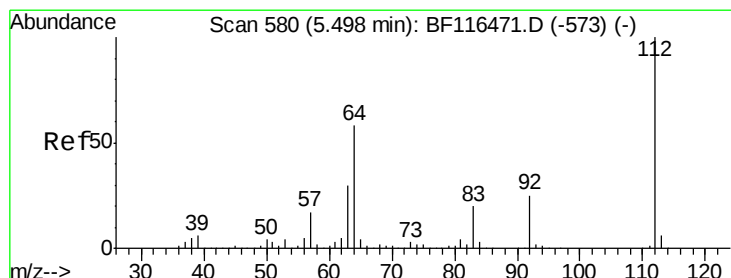
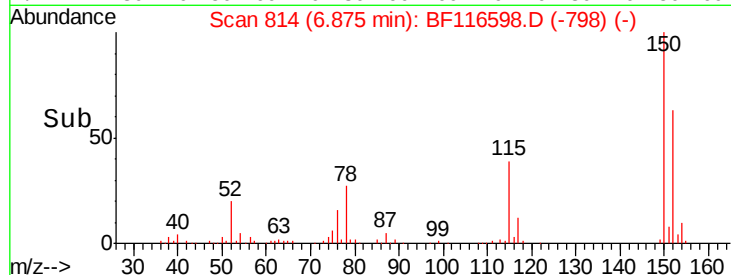
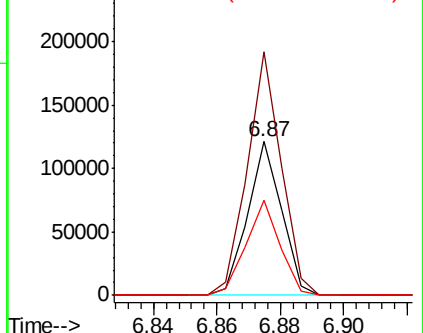


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

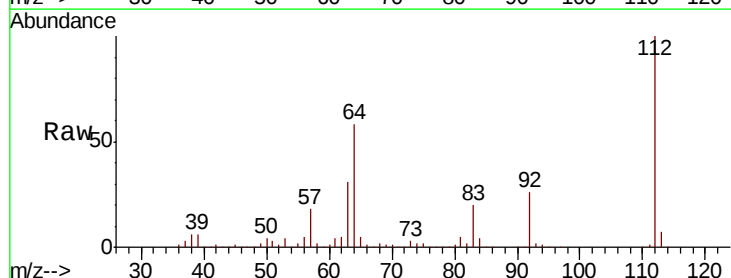
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.355 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116598.D
Acq: 27 Aug 2019 22:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.3	69.5
63	31.1	24.2	36.4

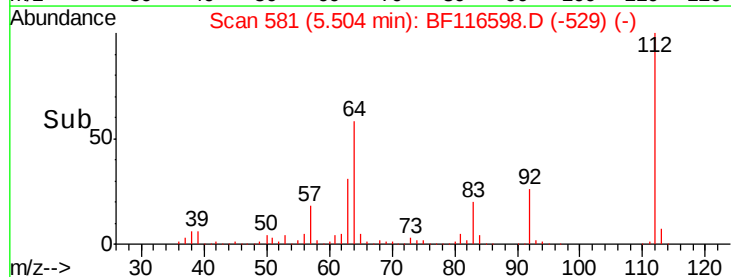
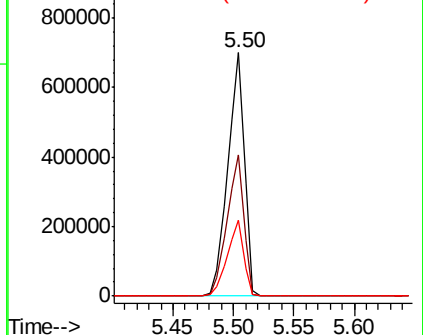


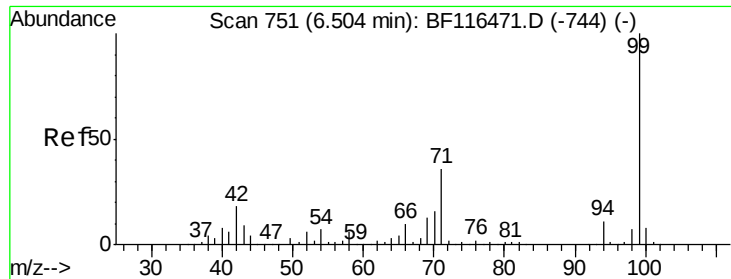
Abundance

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: 107.494 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116598.D

Acq: 27 Aug 2019 22:23

Instrument :

BNA_F

ClientSampled :

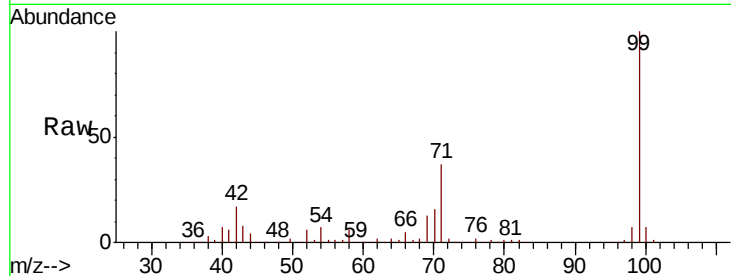
Tot Ion: 99 Resp: 812318

Ion Ratio Lower Upper

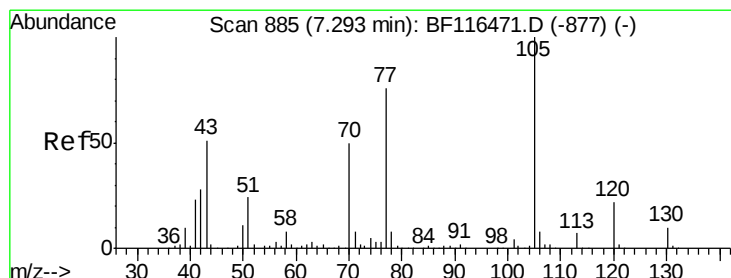
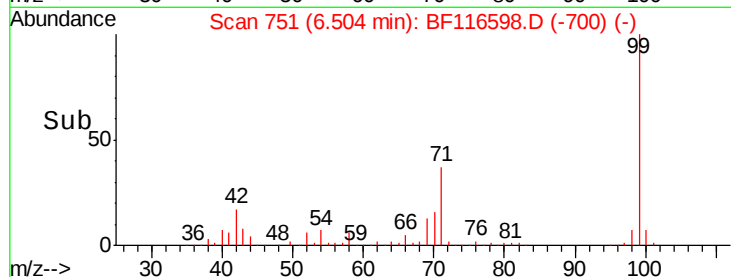
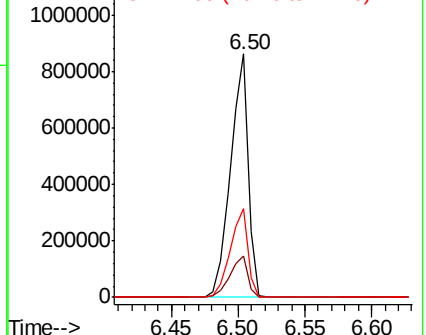
99 100

42 17.0 14.6 21.8

71 36.6 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: 16.622 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF116598.D

Acq: 27 Aug 2019 22:23

Tgt Ion: 70 Resp: 85713

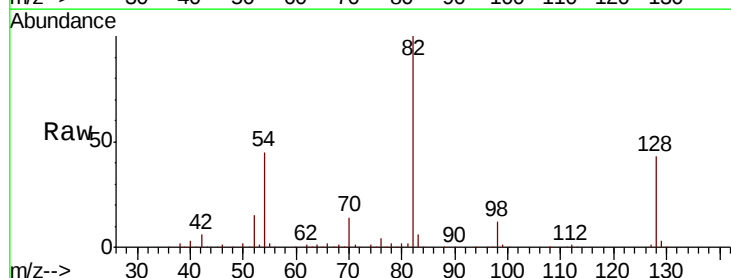
Ion Ratio Lower Upper

70 100

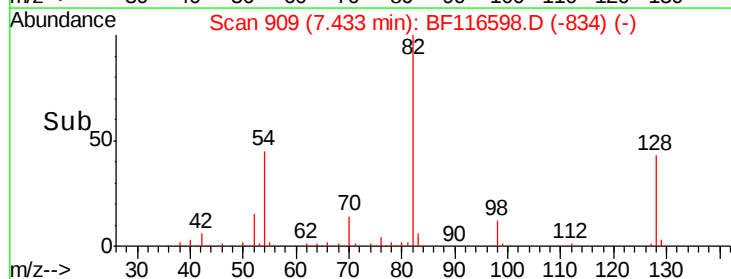
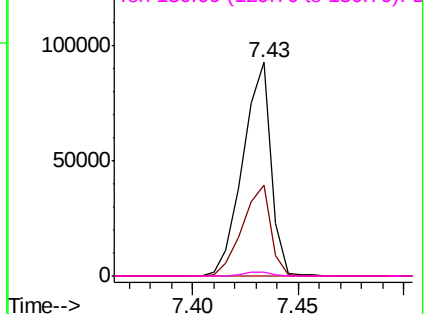
42 42.6 44.4 66.6#

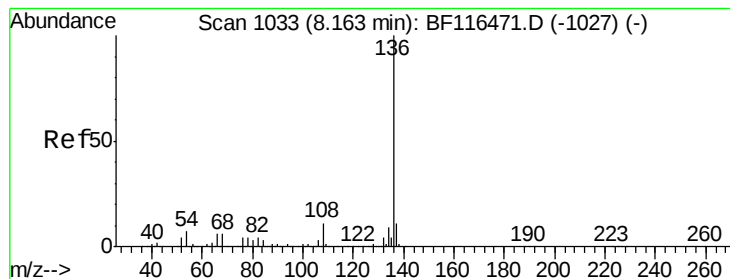
101 0.0 7.1 10.7#

130 1.8 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: BF116598.D

Acq: 27 Aug 2019 22:23

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 346796

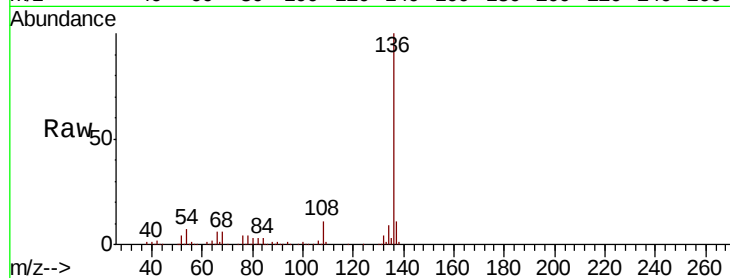
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 7.1 5.8 8.6

68 5.9 5.1 7.7

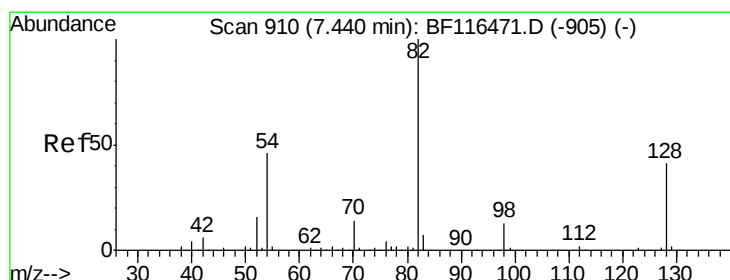
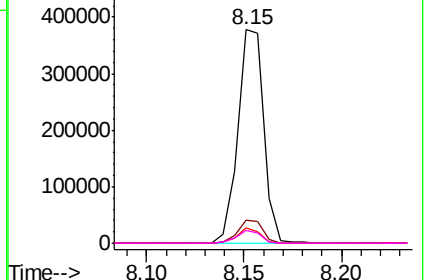
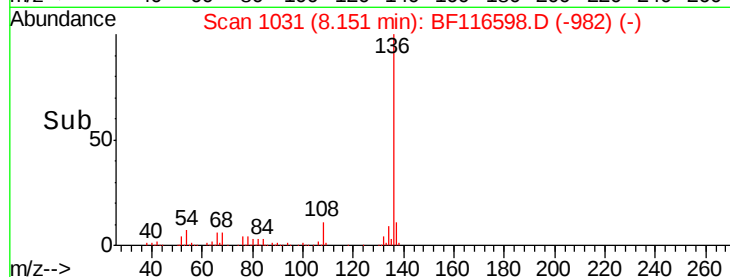


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.174 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF116598.D

Acq: 27 Aug 2019 22:23

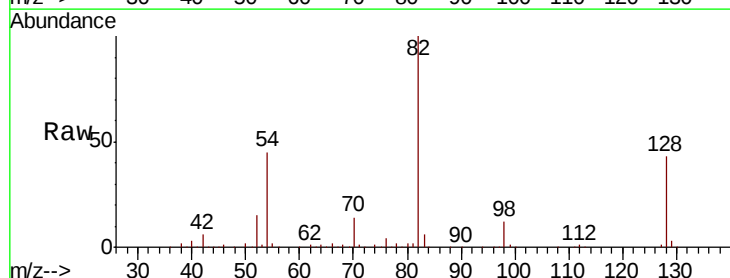
Tgt Ion: 82 Resp: 634985

Ion Ratio Lower Upper

82 100

128 43.4 32.2 48.4

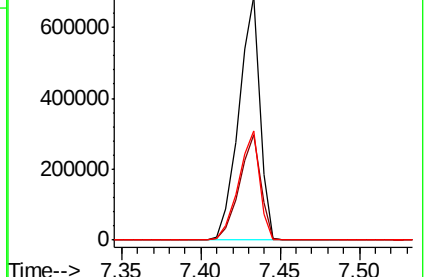
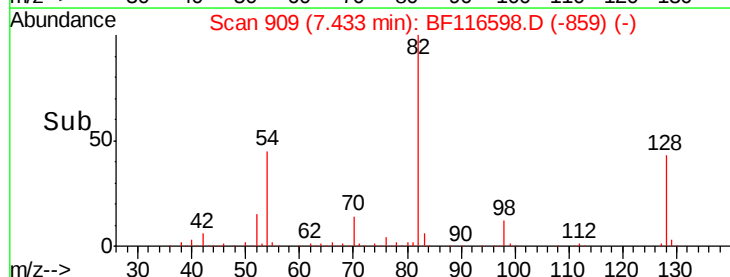
54 44.6 36.5 54.7

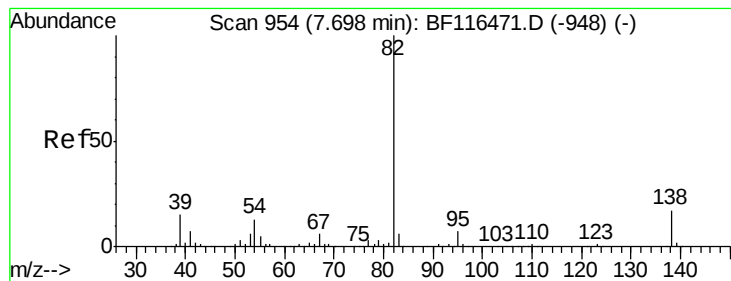


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.832 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF116598.D

Acq: 27 Aug 2019 22:23

Instrument :

BNA_F

ClientSampled :

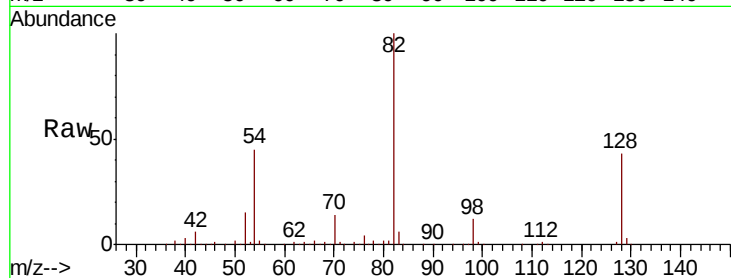
Tot Ion: 82 Resp: 634978

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

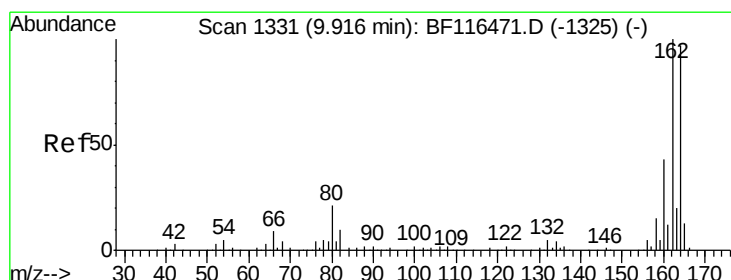
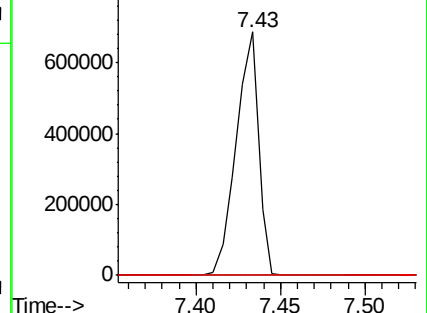
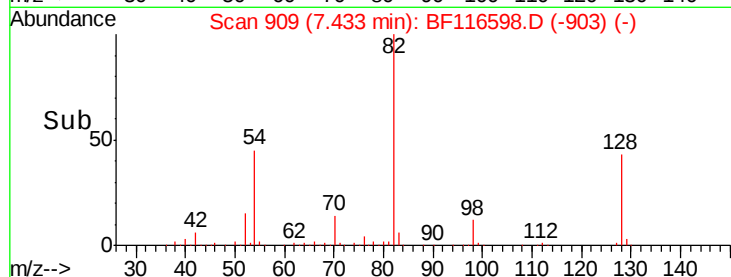
138 0.0 13.3 19.9#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF116598.D

Acq: 27 Aug 2019 22:23

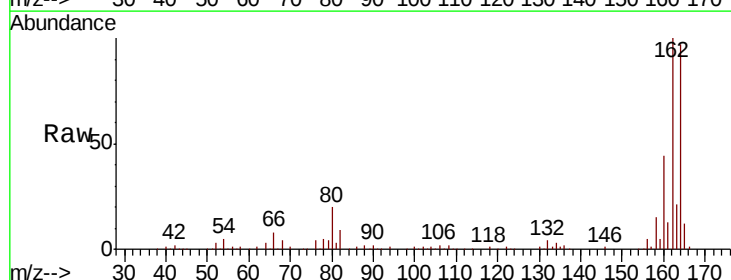
Tgt Ion: 164 Resp: 183583

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

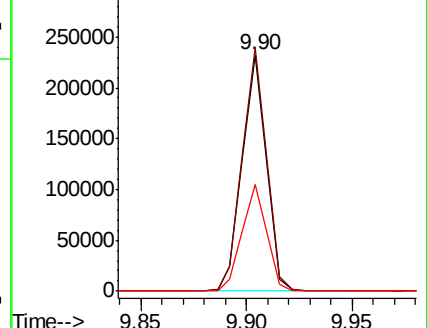
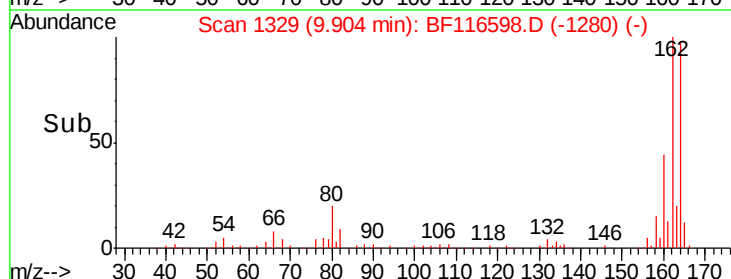
160 45.4 35.8 53.8

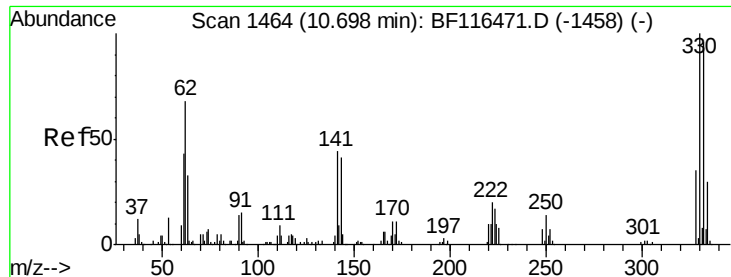


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 172.305 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF116598.D

Acq: 27 Aug 2019 22:23

Instrument :

BNA_F

ClientSampleId :

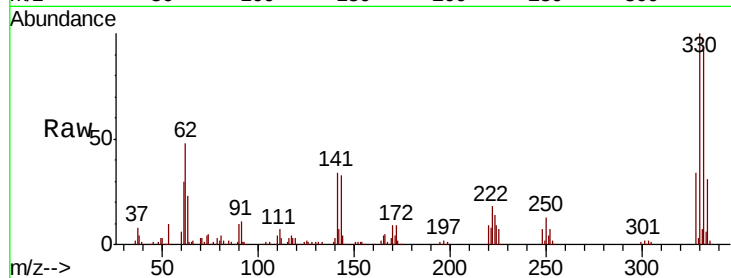
Tot Ion:330 Resp: 271618

Ion Ratio Lower Upper

330 100

332 93.5 77.2 115.8

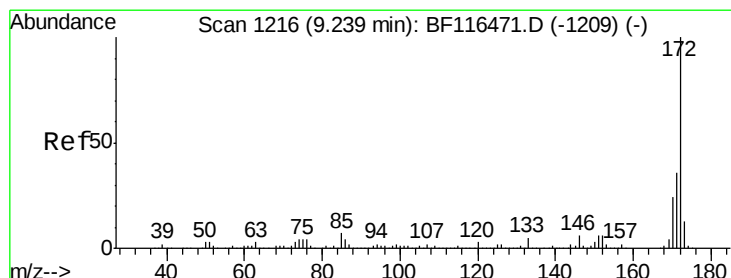
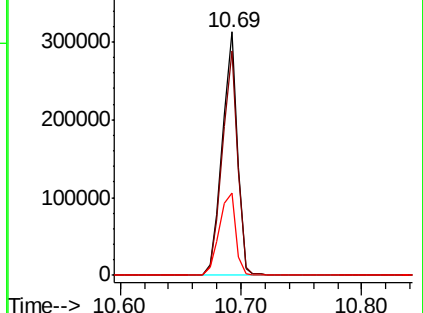
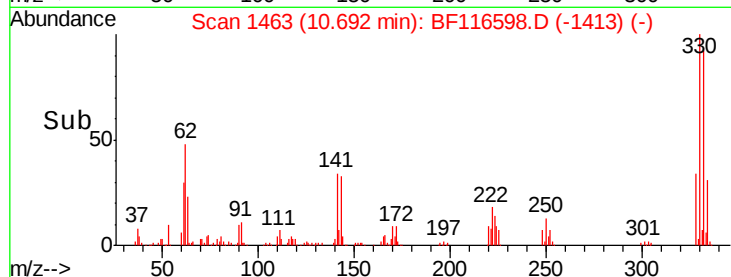
141 36.9 33.3 49.9



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: 98.857 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF116598.D

Acq: 27 Aug 2019 22:23

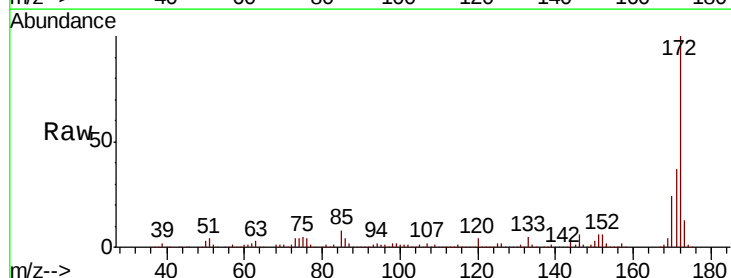
Tgt Ion:172 Resp: 1126954

Ion Ratio Lower Upper

172 100

171 36.8 28.9 43.3

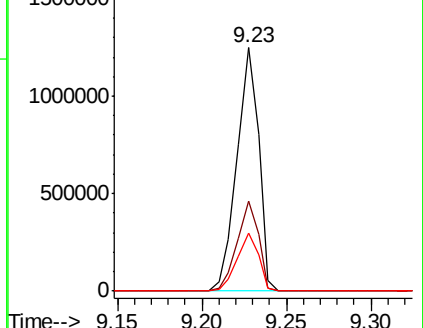
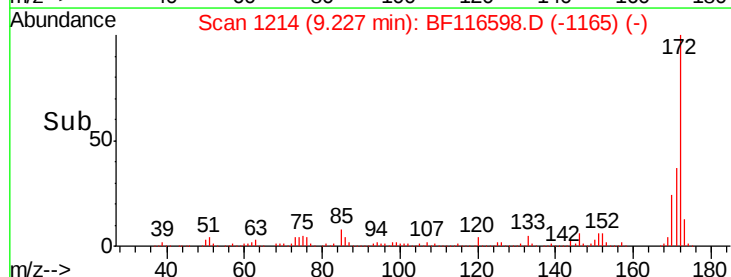
170 23.9 19.4 29.0

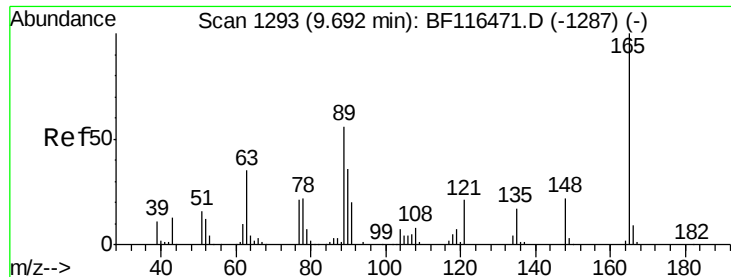


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.924 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.21 min

Lab File: BF116598.D

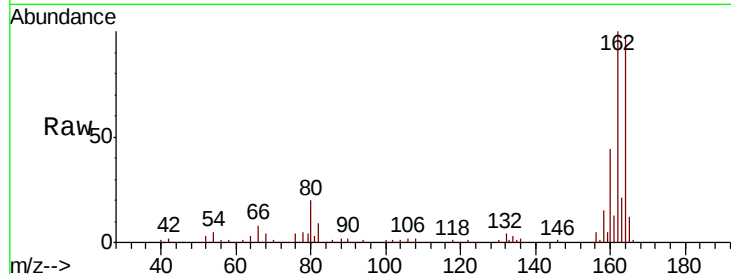
Acq: 27 Aug 2019 22:23

Instrument :

BNA_F

ClientSampleId :

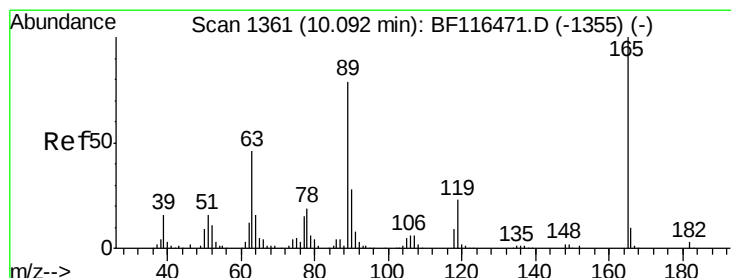
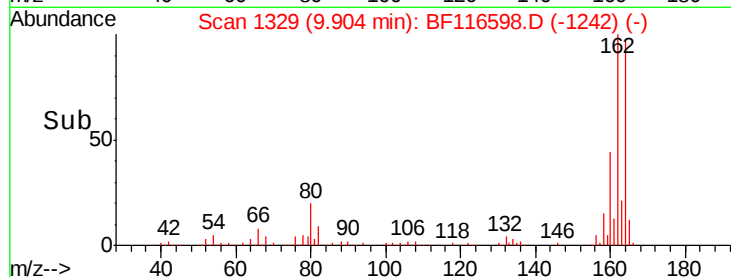
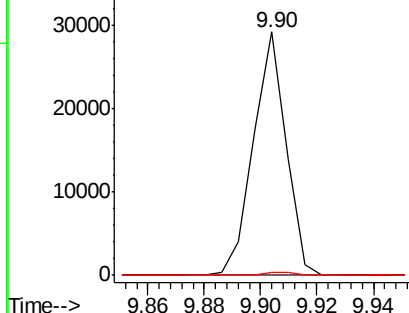
Tot Ion:165	Resp:	23396
Ion Ratio	Lower	Upper
165	100	
63	0.0	43.7 65.5#
89	1.5	45.1 67.7#



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: 7.013 ng

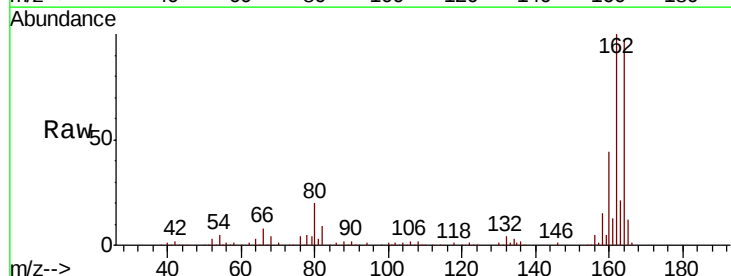
RT: 9.90 min Scan# 1329

Delta R.T. -0.19 min

Lab File: BF116598.D

Acq: 27 Aug 2019 22:23

Tgt Ion:165	Resp:	23396
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.9 55.3#
89	1.5	63.4 95.0#
182	0.0	2.1 3.1#

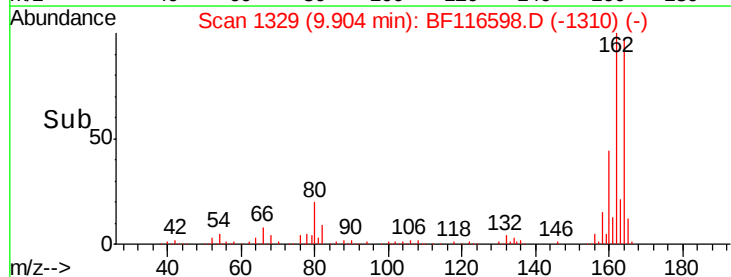
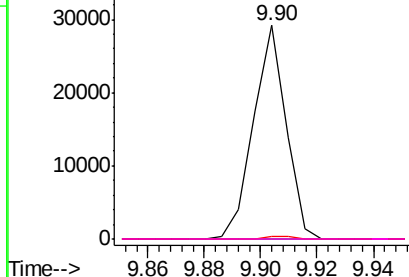


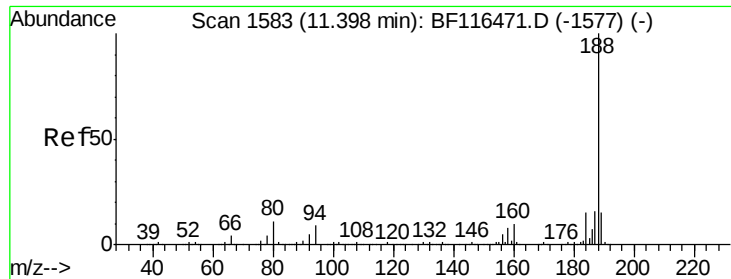
Abundance Ion 165.00 (164.70 to 165.70): E

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

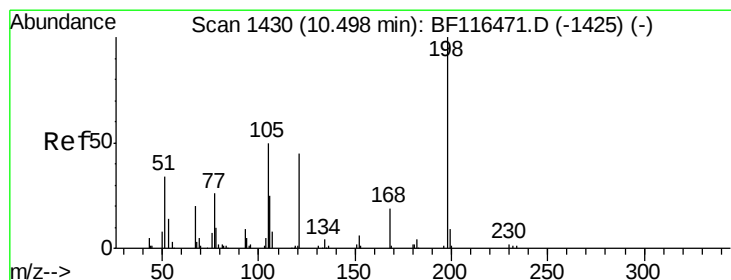
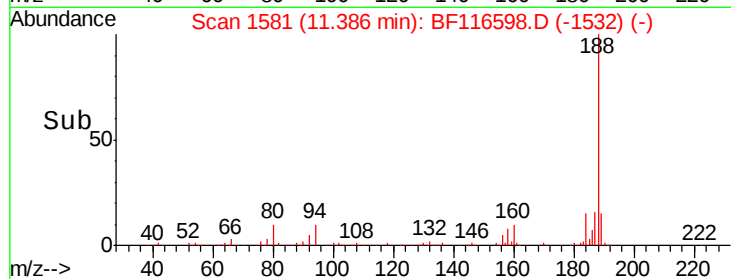
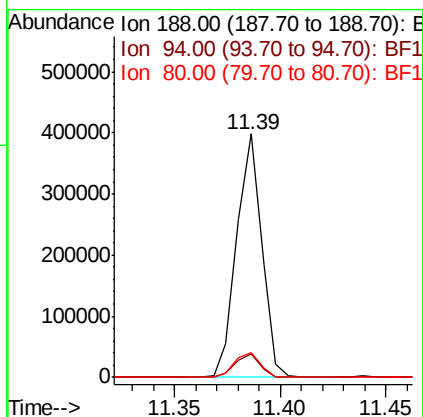
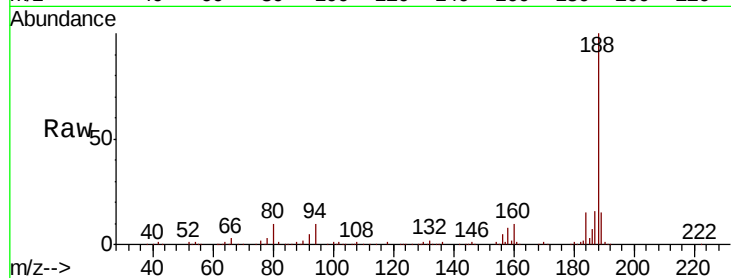




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116598.D
Acq: 27 Aug 2019 22:23

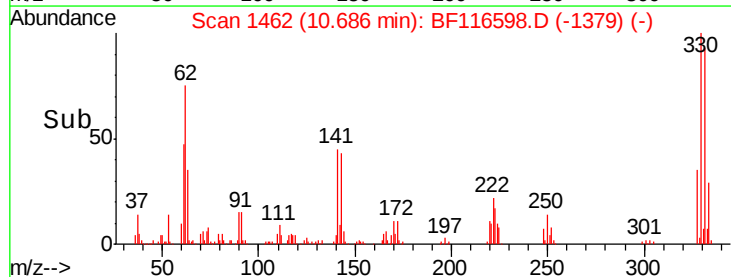
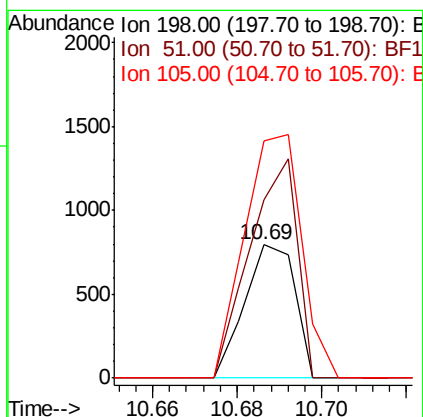
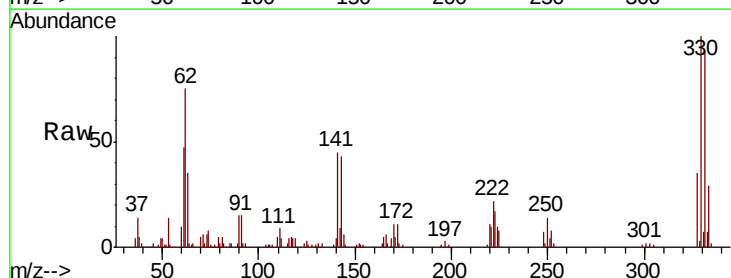
Instrument :
BNA_F
ClientSampled :

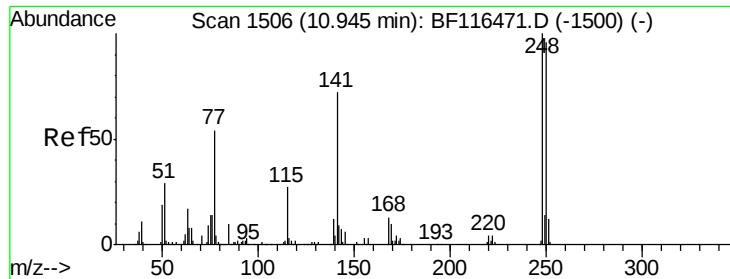
Tot Ion:188 Resp: 327517
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 10.3 8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 7.424 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.19 min
Lab File: BF116598.D
Acq: 27 Aug 2019 22:23

Tgt Ion:198 Resp: 658
Ion Ratio Lower Upper
198 100
51 134.4 30.4 70.4#
105 178.2 32.8 72.8#

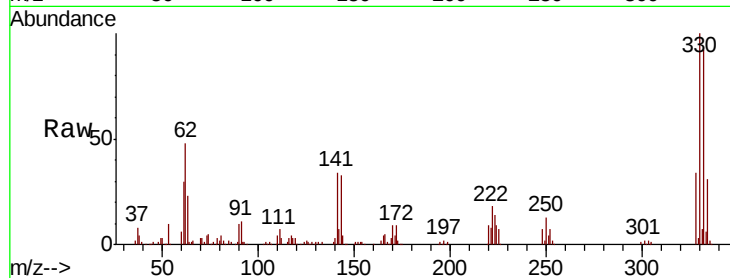




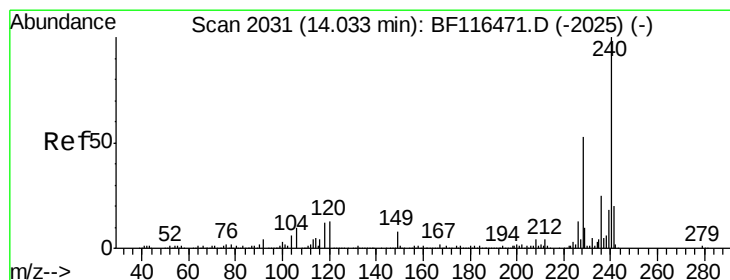
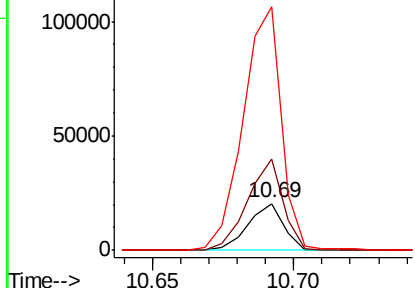
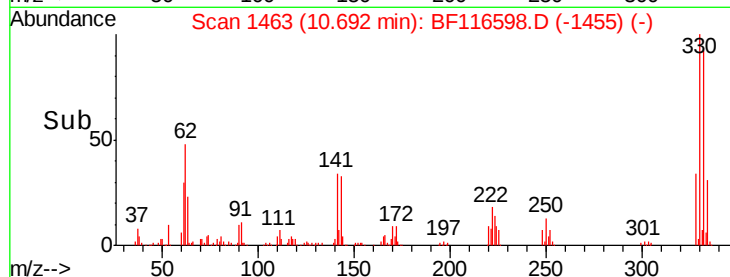
#67
4-Bromophenyl-phenylether
Concen: 5.234 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.25 min
Lab File: BF116598.D
Acq: 27 Aug 2019 22:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17972
Ion Ratio Lower Upper
248 100
250 194.6 77.0 115.6#
141 516.8 57.4 86.0#

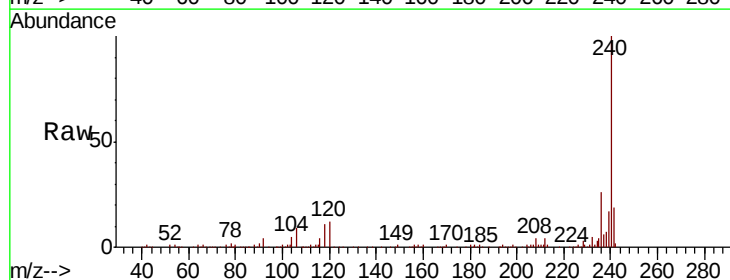


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

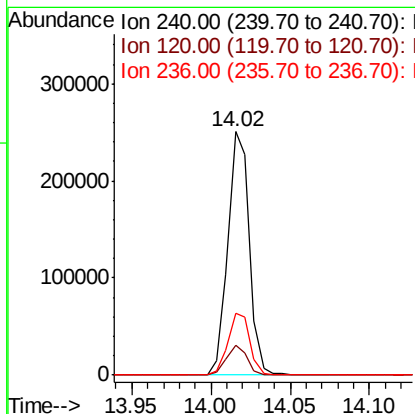
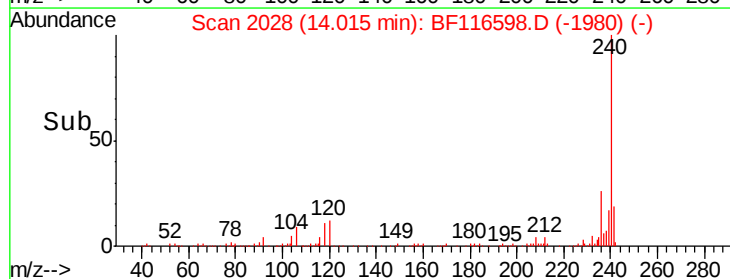


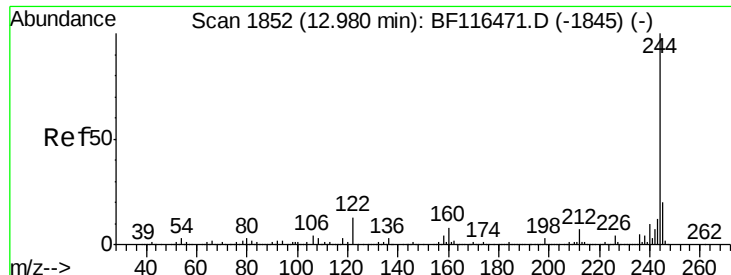
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF116598.D
Acq: 27 Aug 2019 22:23

Tgt Ion:240 Resp: 234527
Ion Ratio Lower Upper
240 100
120 12.3 10.5 15.7
236 25.5 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





#79

Terphenyl-d14

Concen: 110.849 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF116598.D

Acq: 27 Aug 2019 22:23

Instrument :

BNA_F

ClientSampleId :

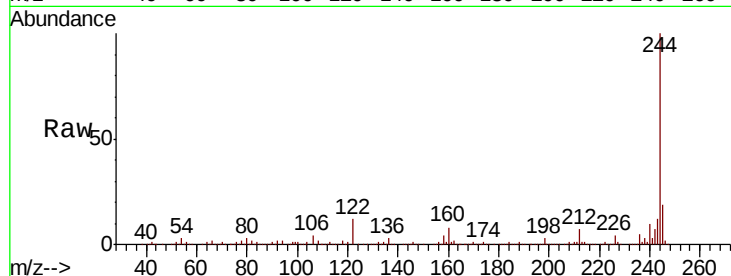
Tot Ion:244 Resp: 1391774

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

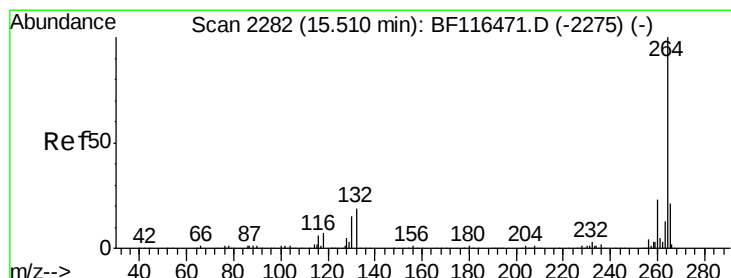
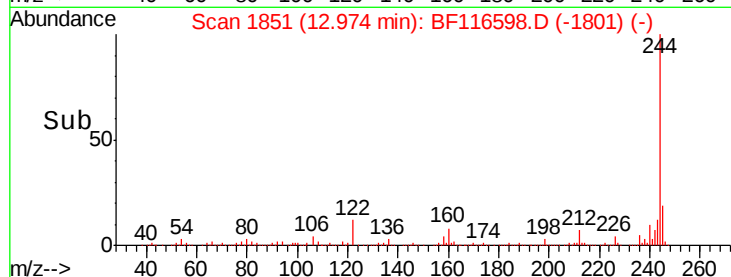
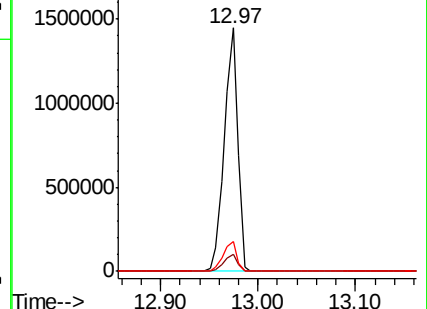
122 12.1 10.2 15.4



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: BF116598.D

Acq: 27 Aug 2019 22:23

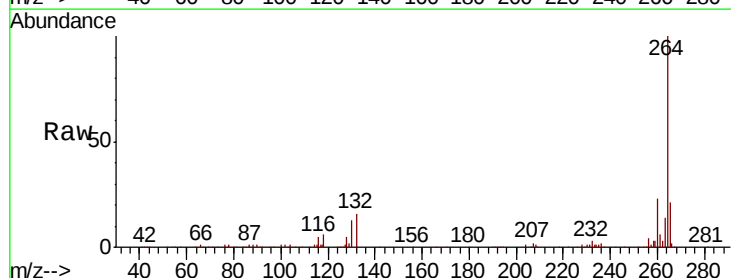
Tgt Ion:264 Resp: 227641

Ion Ratio Lower Upper

264 100

260 22.8 18.8 28.2

265 20.7 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

