

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116597.D
 Acq On : 27 Aug 2019 21:56
 Operator : HP/JU
 Sample : K4525-21
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 06:38:37 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

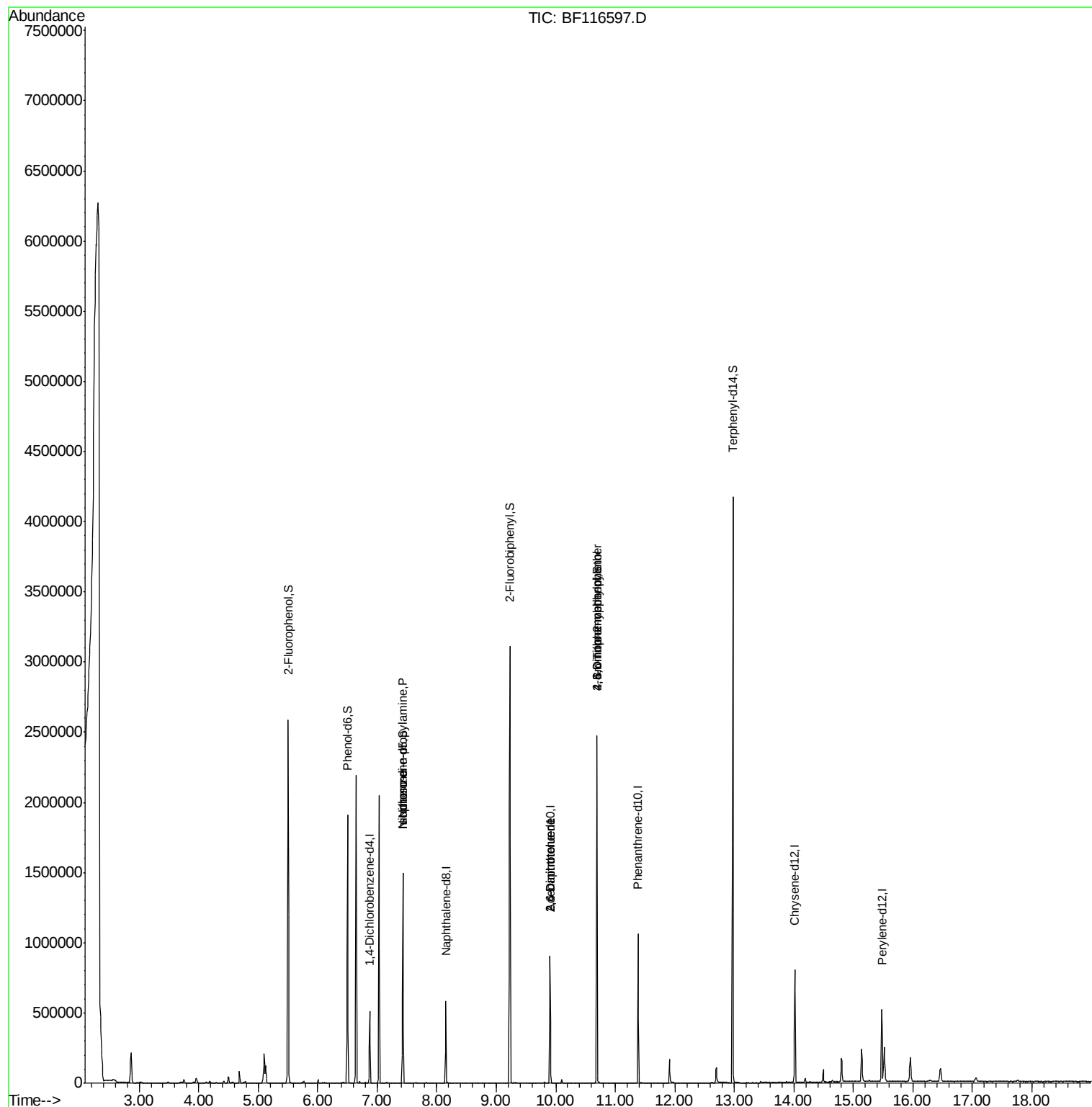
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	65366	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	254839	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	163303	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	336732	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	251390	20.00	ng	-0.02
87) Perylene-d12	15.48	264	238790	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	733480	163.96	ng	0.00
7) Phenol-d6	6.50	99	629853	114.83	ng	0.00
23) Nitrobenzene-d5	7.43	82	489361	105.06	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	277724	198.06	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	934699	92.18	ng	-0.01
79) Terphenyl-d14	12.97	244	1411478	104.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	67312	17.984	ng	# 77
25) Isophorone	7.43	82	489356	53.311	ng	# 67
51) 2,6-Dinitrotoluene	9.90	165	21034	9.019	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	21034	7.088	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.69	198	598	7.375	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	18771	5.317	ng	# 1

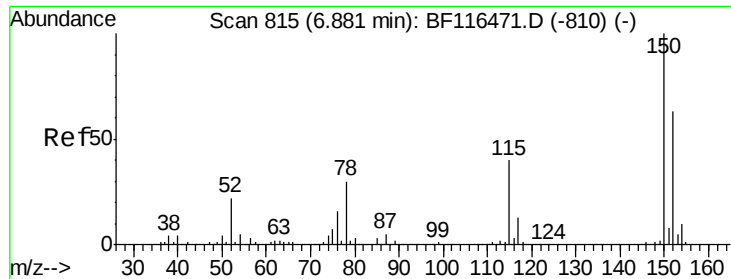
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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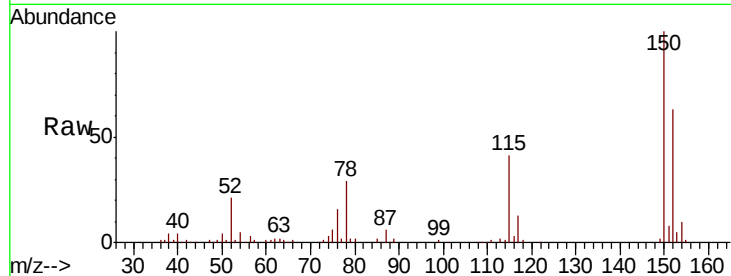


#1

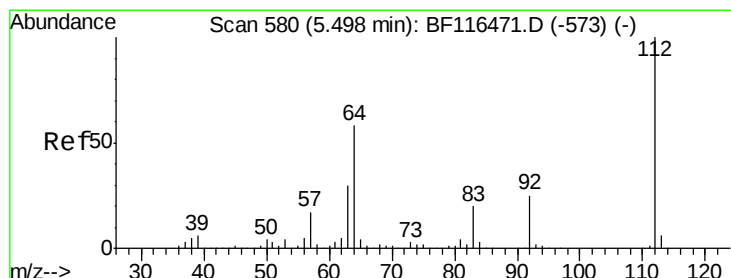
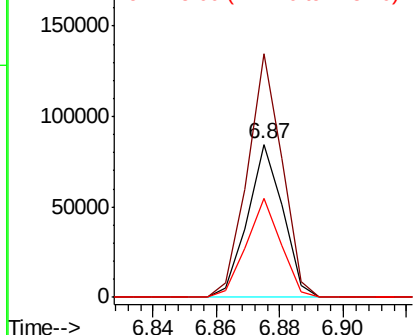
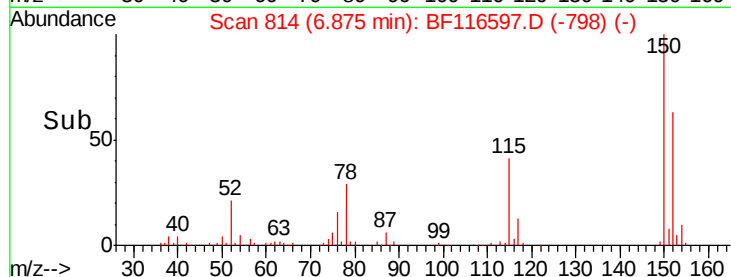
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116597.D
Acq: 27 Aug 2019 21:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 65366
Ion Ratio Lower Upper
152 100
150 159.3 126.7 190.1
115 65.1 50.9 76.3



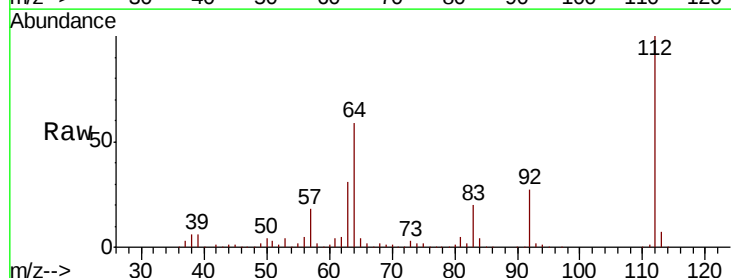
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



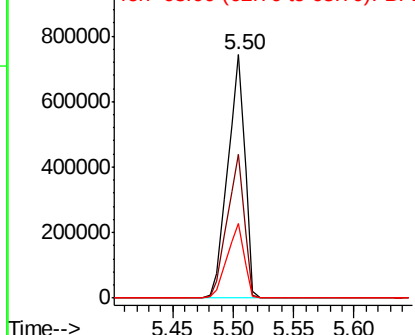
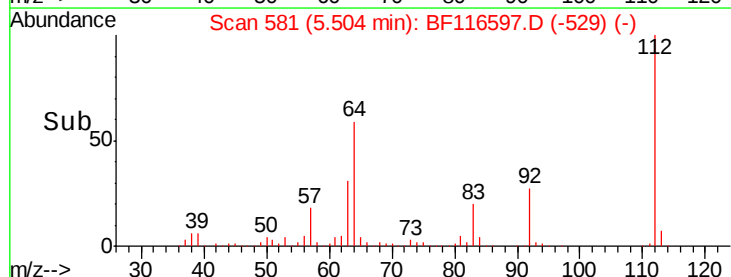
#5

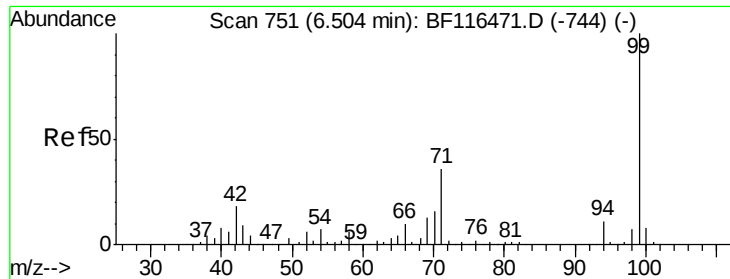
2-Fluorophenol
Concen: 163.957 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116597.D
Acq: 27 Aug 2019 21:56

Tgt Ion:112 Resp: 733480
Ion Ratio Lower Upper
112 100
64 59.3 46.3 69.5
63 30.8 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: 114.825 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116597.D

Acq: 27 Aug 2019 21:56

Instrument :

BNA_F

ClientSampleId :

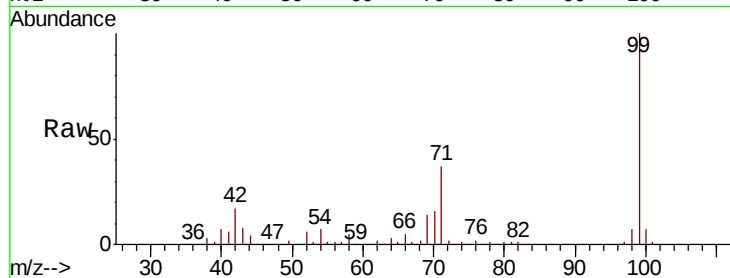
Tot Ion: 99 Resp: 629853

Ion Ratio Lower Upper

99 100

42 17.5 14.6 21.8

71 37.5 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

800000

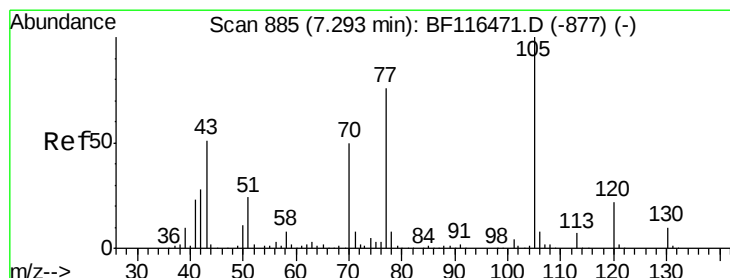
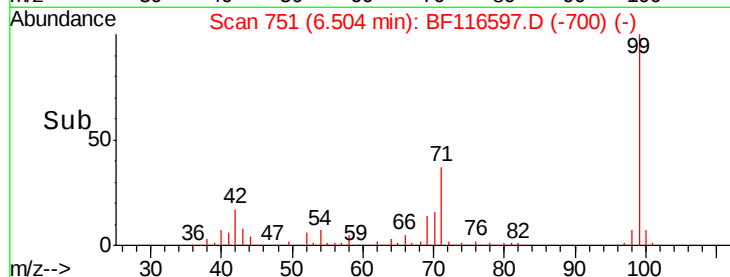
600000

400000

200000

0

Time--> 6.40 6.45 6.50 6.55 6.60



#19

n-Nitroso-di-n-propylamine

Concen: 17.984 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF116597.D

Acq: 27 Aug 2019 21:56

Tgt Ion: 70 Resp: 67312

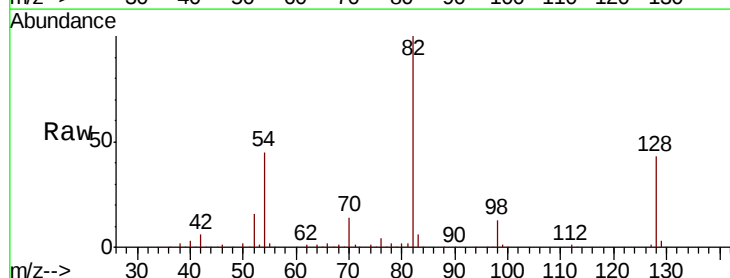
Ion Ratio Lower Upper

70 100

42 43.6 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

100000

80000

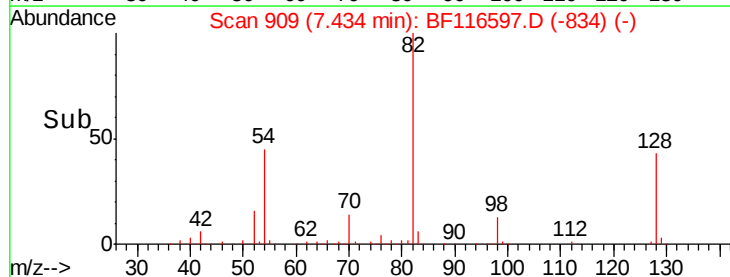
60000

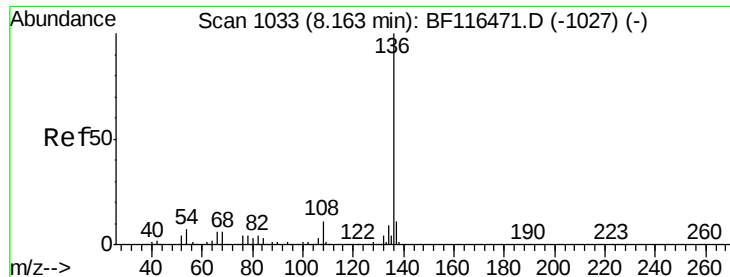
40000

20000

0

Time--> 7.40 7.45





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF116597.D

Acq: 27 Aug 2019 21:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 254839

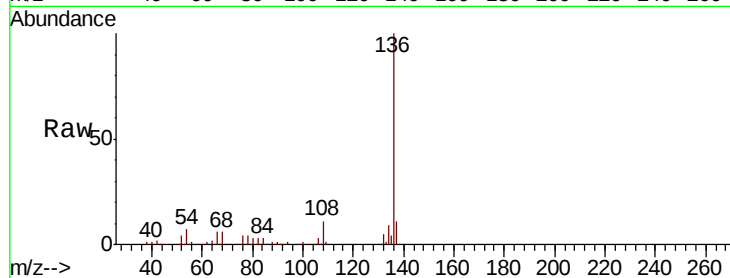
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 6.9 5.8 8.6

68 5.6 5.1 7.7

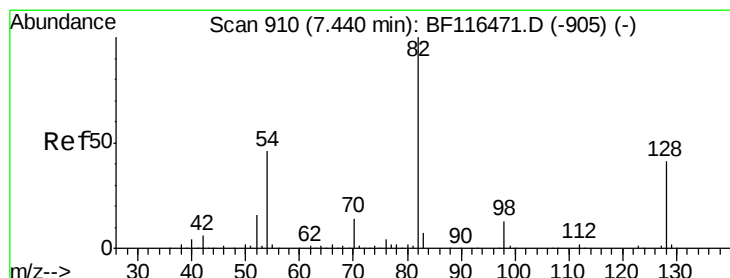
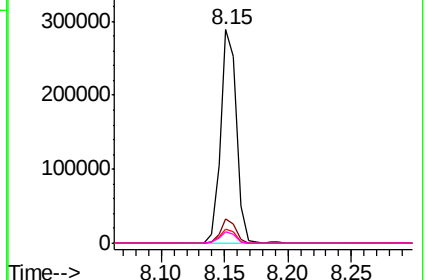
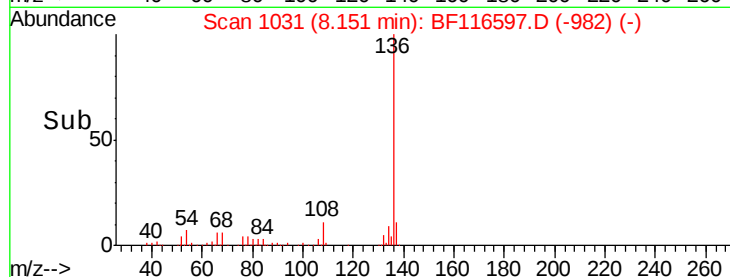


Abundance Ion 136.00 (135.70 to 136.70): E

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: 105.058 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF116597.D

Acq: 27 Aug 2019 21:56

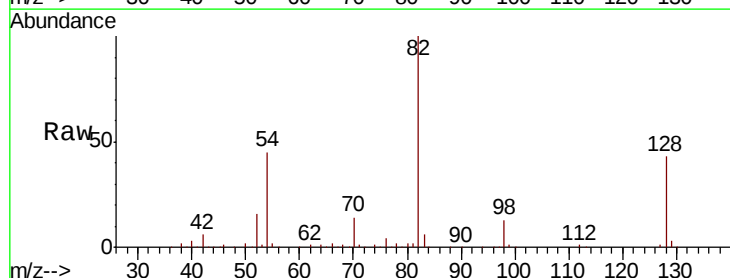
Tgt Ion: 82 Resp: 489361

Ion Ratio Lower Upper

82 100

128 42.9 32.2 48.4

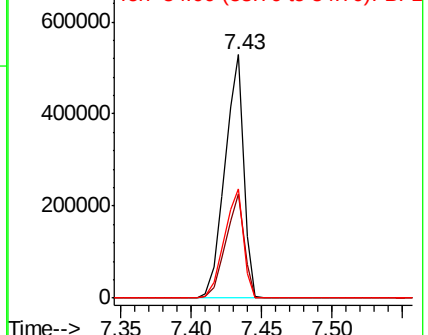
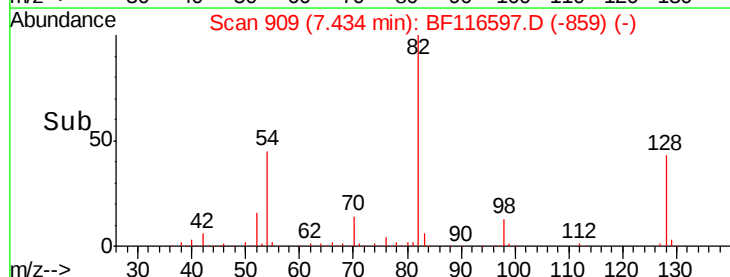
54 45.1 36.5 54.7

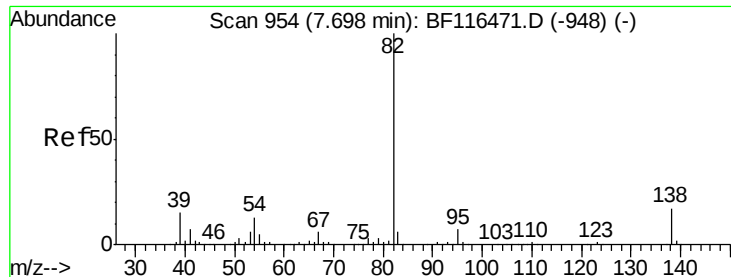


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.311 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF116597.D

Acq: 27 Aug 2019 21:56

Instrument :

BNA_F

ClientSampleId :

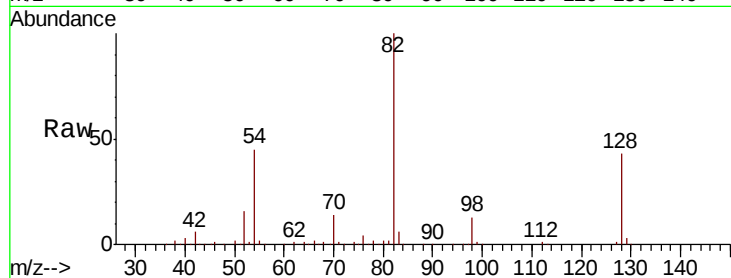
Tot Ion: 82 Resp: 489356

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

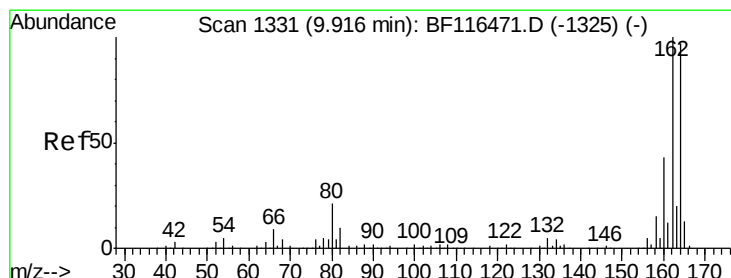
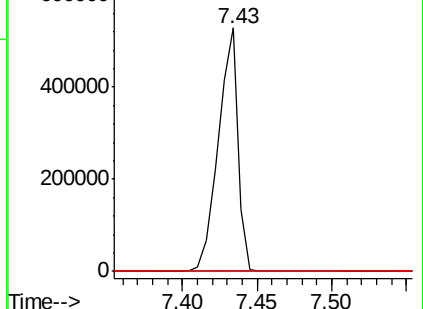
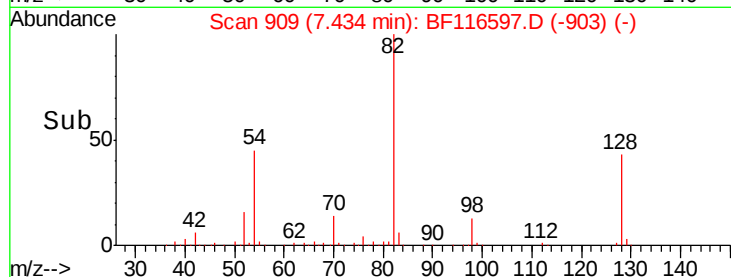
138 0.0 13.3 19.9#



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: BF116597.D

Acq: 27 Aug 2019 21:56

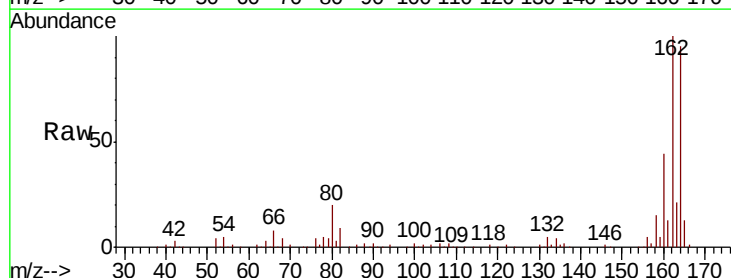
Tgt Ion: 164 Resp: 163303

Ion Ratio Lower Upper

164 100

162 105.1 82.6 123.8

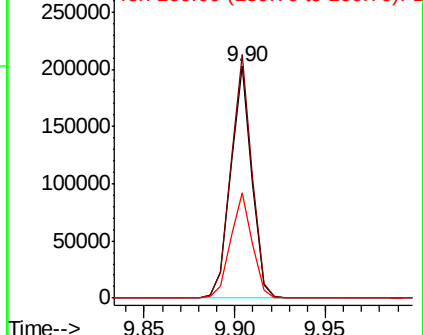
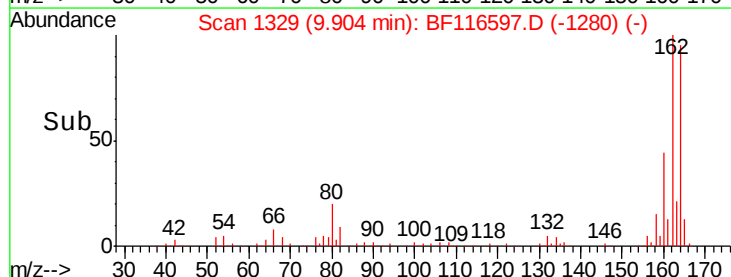
160 45.8 35.8 53.8

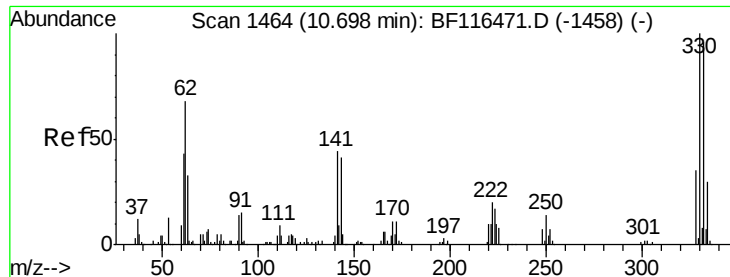


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

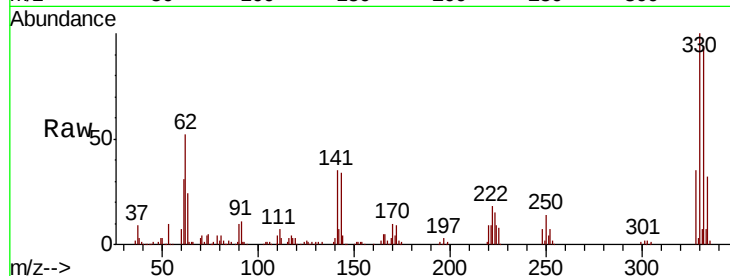




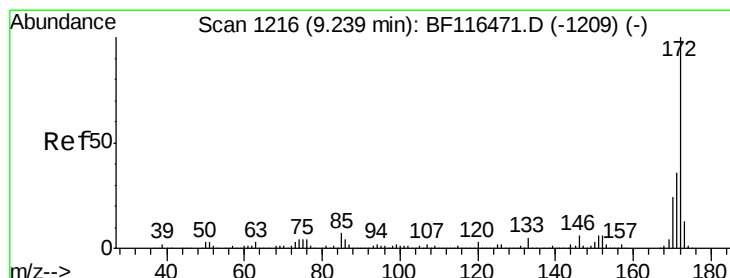
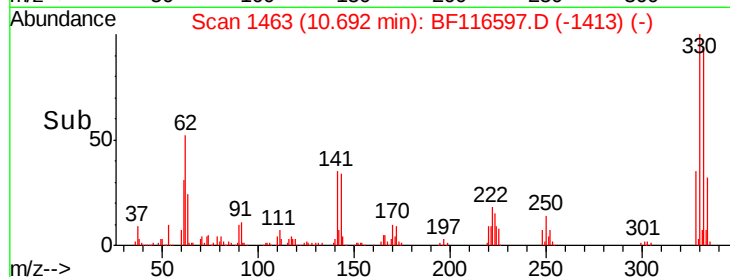
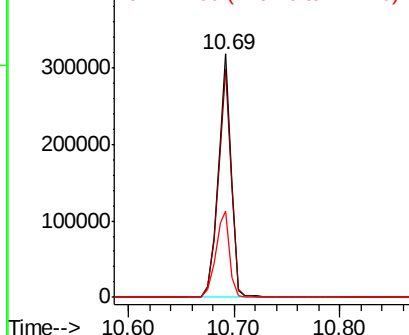
#42
 2,4,6-Tribromophenol
 Concen: 198.058 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF116597.D
 Acq: 27 Aug 2019 21:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 277724
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.2 115.8
 141 37.7 33.3 49.9

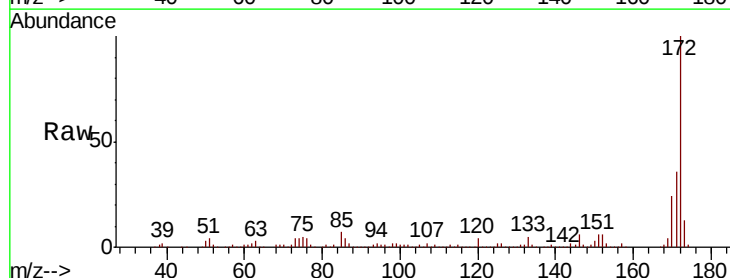


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

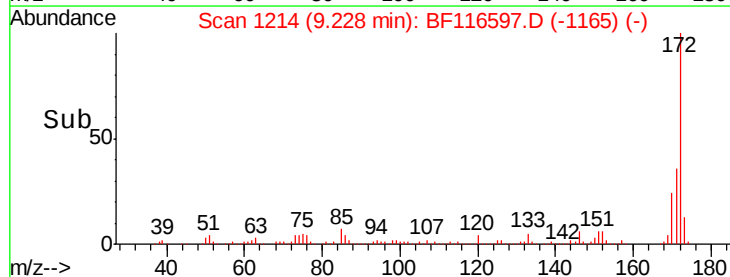
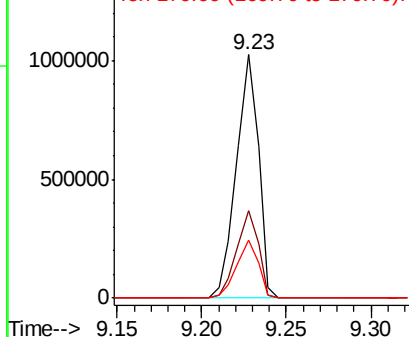


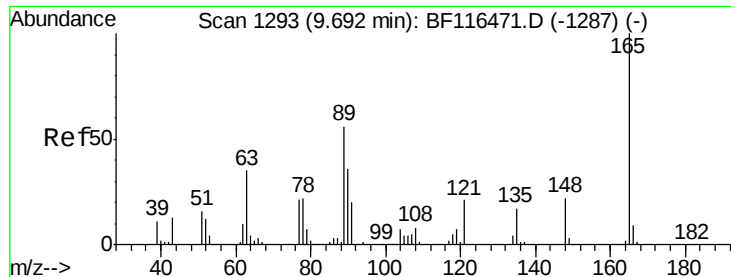
#45
 2-Fluorobiphenyl
 Concen: 92.175 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF116597.D
 Acq: 27 Aug 2019 21:56

Tgt Ion:172 Resp: 934699
 Ion Ratio Lower Upper
 172 100
 171 36.1 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

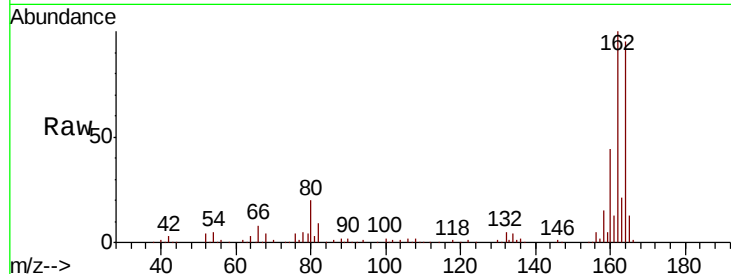




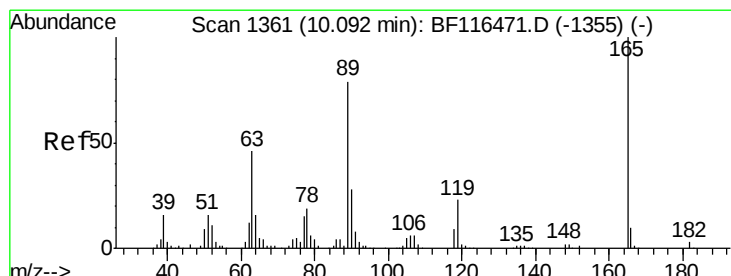
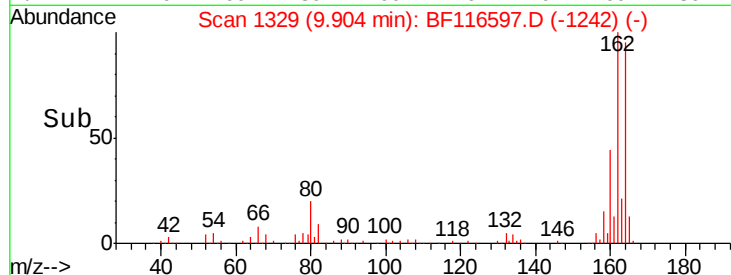
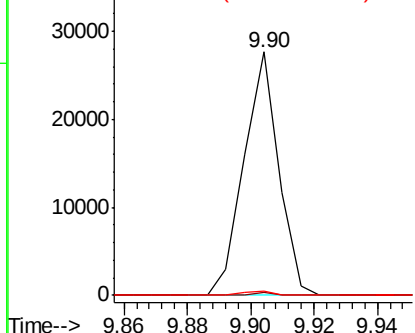
#51
 2,6-Dinitrotoluene
 Concen: 9.019 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.21 min
 Lab File: BF116597.D
 Acq: 27 Aug 2019 21:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	43.7	65.5#
89	1.6	45.1	67.7#



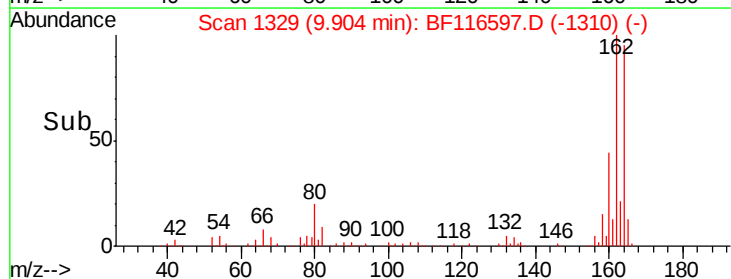
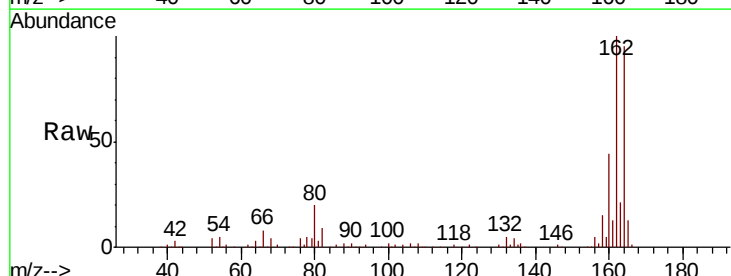
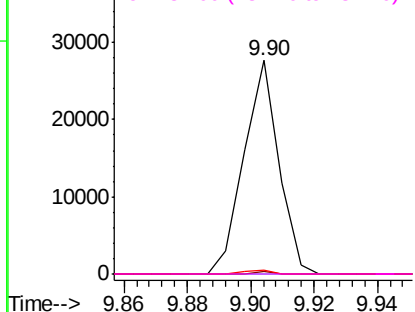
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

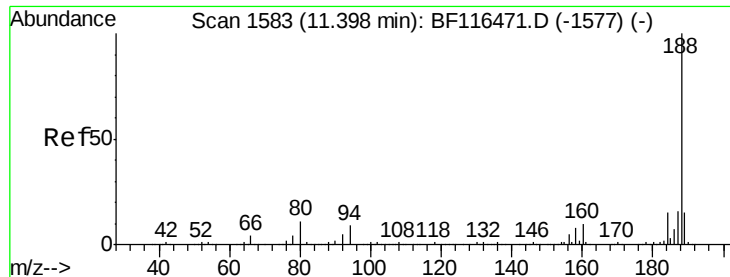


#57
 2,4-Dinitrotoluene
 Concen: 7.088 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.19 min
 Lab File: BF116597.D
 Acq: 27 Aug 2019 21:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.9	55.3#
89	1.6	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

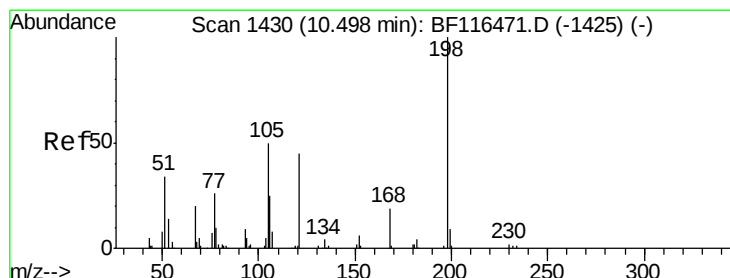
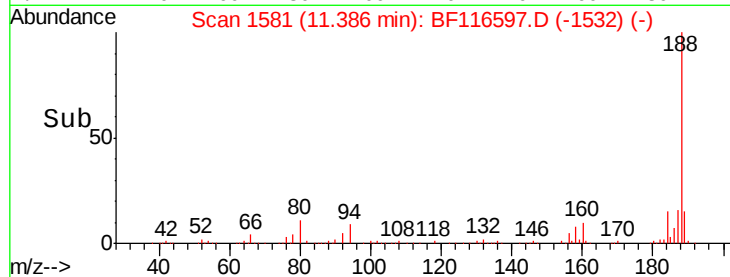
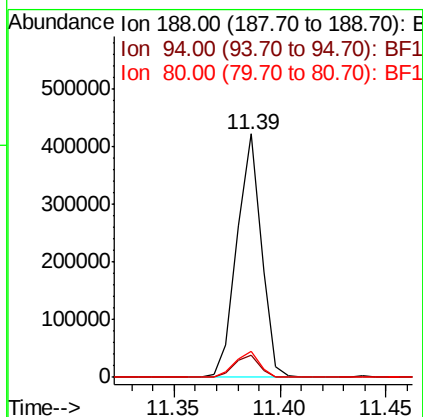
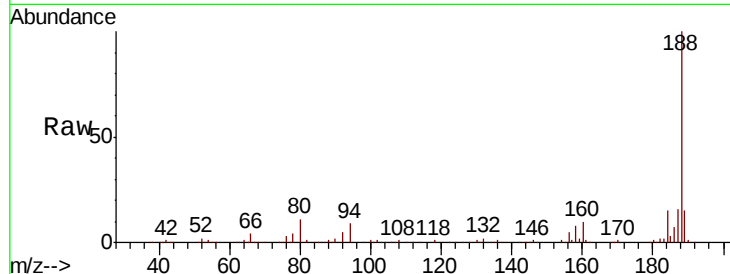




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF116597.D
 Acq: 27 Aug 2019 21:56

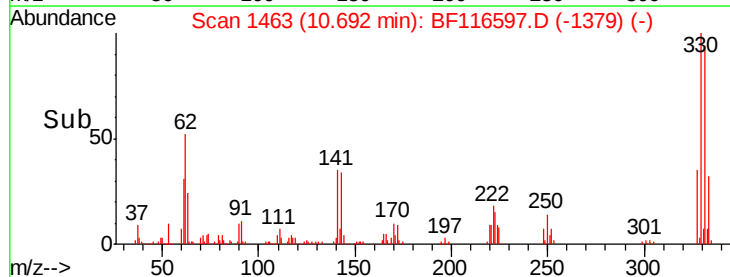
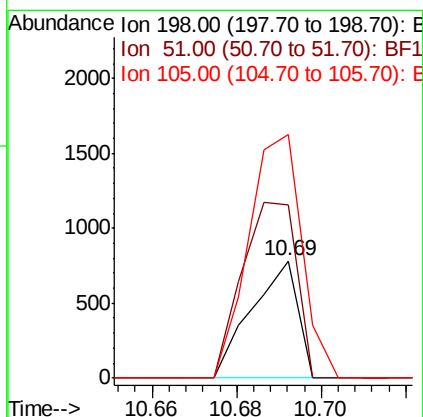
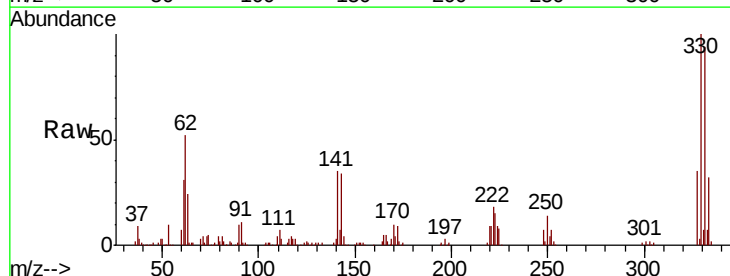
Instrument :
 BNA_F
 ClientSampled :

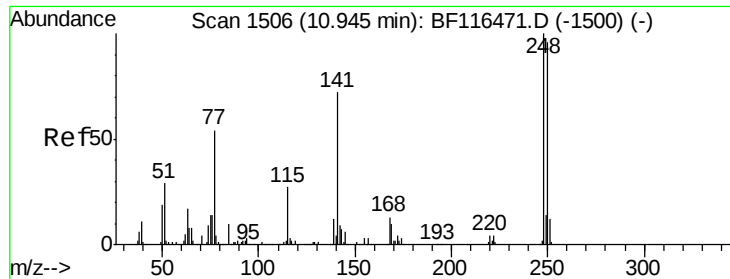
Tot Ion:188 Resp: 336732
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.4 11.2
 80 10.5 8.6 12.8



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.375 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.19 min
 Lab File: BF116597.D
 Acq: 27 Aug 2019 21:56

Tgt Ion:198 Resp: 598
 Ion Ratio Lower Upper
 198 100
 51 147.6 30.4 70.4#
 105 207.3 32.8 72.8#

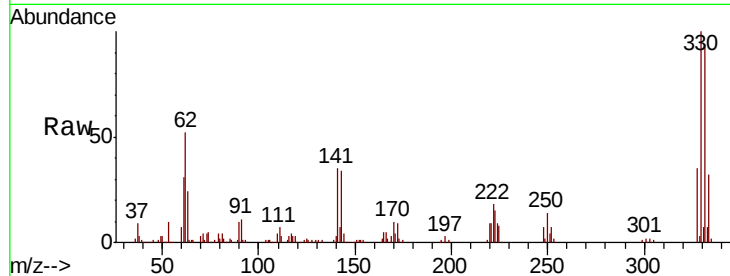




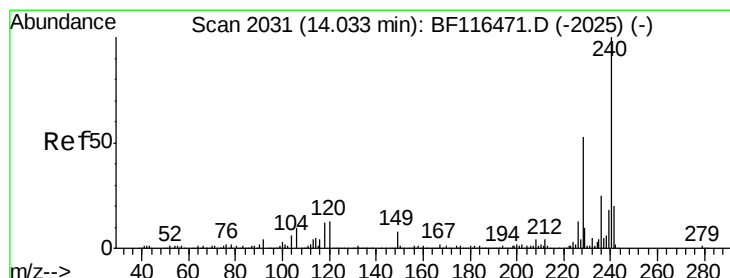
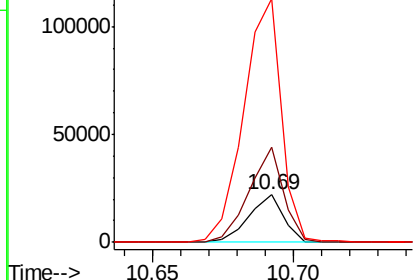
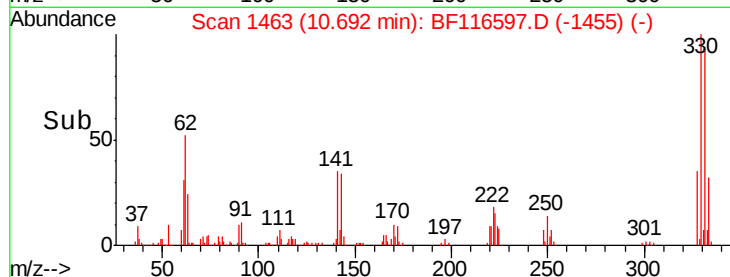
#67
4-Bromophenyl-phenylether
Concen: 5.317 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.25 min
Lab File: BF116597.D
Acq: 27 Aug 2019 21:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 18771
Ion Ratio Lower Upper
248 100
250 200.6 77.0 115.6#
141 514.0 57.4 86.0#

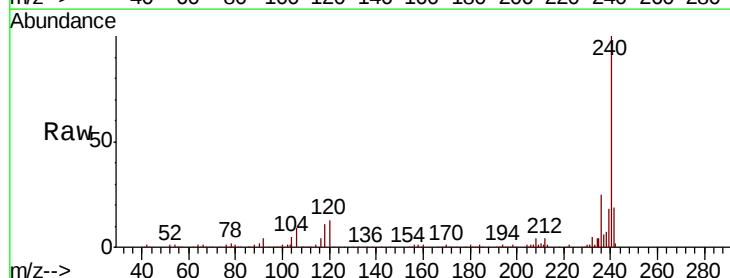


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

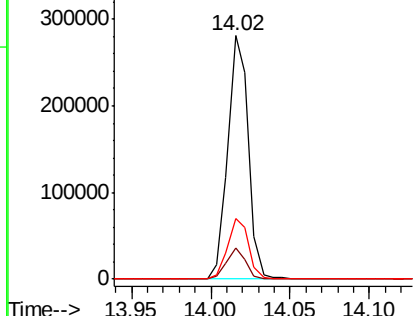
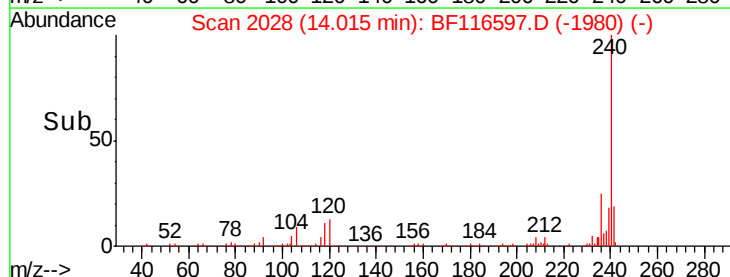


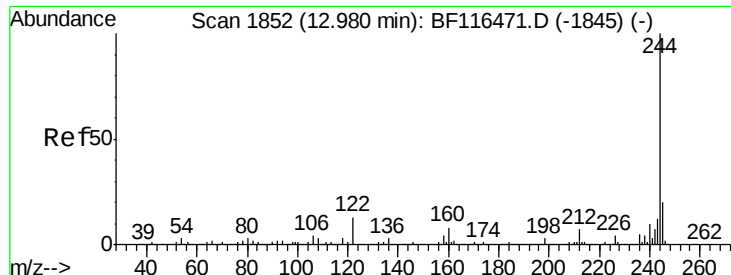
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF116597.D
Acq: 27 Aug 2019 21:56

Tgt Ion:240 Resp: 251390
Ion Ratio Lower Upper
240 100
120 12.8 10.5 15.7
236 24.9 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





#79

Terphenyl-d14

Concen: 104.877 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF116597.D

Acq: 27 Aug 2019 21:56

Instrument :

BNA_F

ClientSampleId :

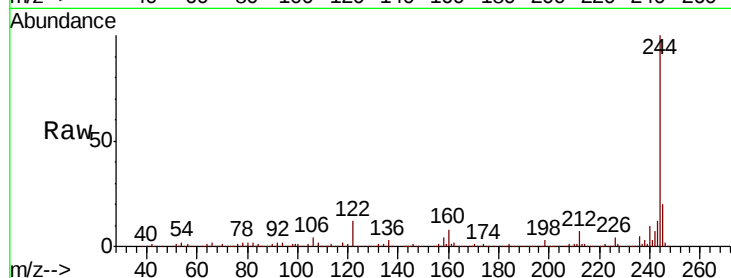
Tot Ion:244 Resp: 1411478

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

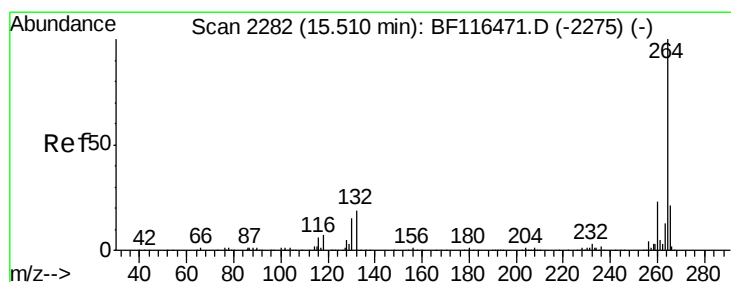
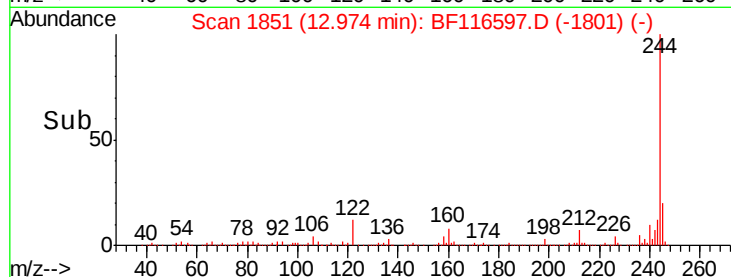
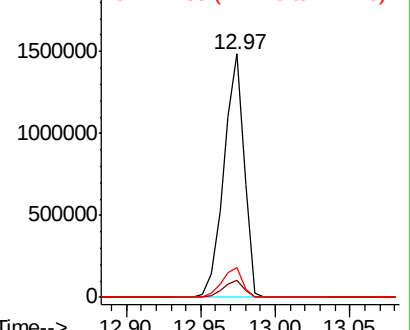
122 12.3 10.2 15.4



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: BF116597.D

Acq: 27 Aug 2019 21:56

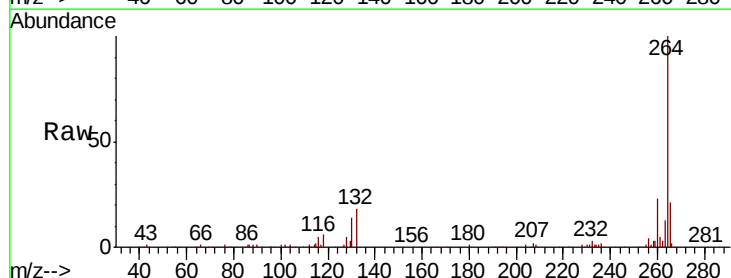
Tgt Ion:264 Resp: 238790

Ion Ratio Lower Upper

264 100

260 23.4 18.8 28.2

265 20.6 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

