

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116596.D
 Acq On : 27 Aug 2019 21:29
 Operator : HP/JU
 Sample : K4516-40
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 06:38:24 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

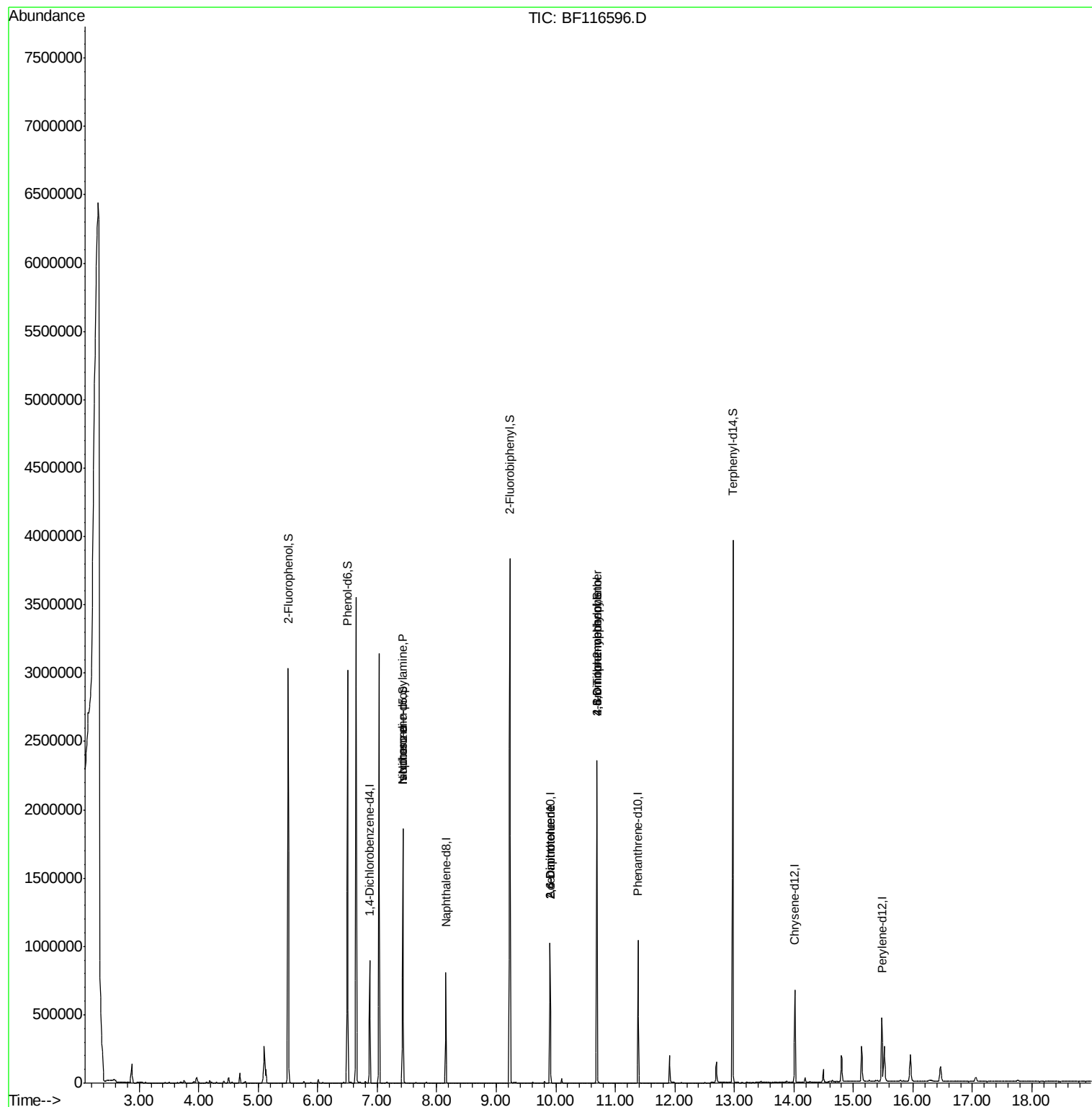
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	115370	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	358748	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	188529	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	340255	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	225844	20.00	ng	-0.02
87) Perylene-d12	15.48	264	217053	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	869296	110.10	ng	0.00
7) Phenol-d6	6.50	99	1053992	108.87	ng	0.00
23) Nitrobenzene-d5	7.43	82	604453	92.18	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	268044	165.58	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1112738	95.05	ng	-0.01
79) Terphenyl-d14	12.97	244	1331499	110.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	82766	12.528	ng	# 76
25) Isophorone	7.43	82	604446	46.776	ng	# 67
51) 2,6-Dinitrotoluene	9.90	165	24428	9.073	ng	# 25
57) 2,4-Dinitrotoluene	9.90	165	24428	7.130	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.69	198	529	7.329	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	17885	5.014	ng	# 1

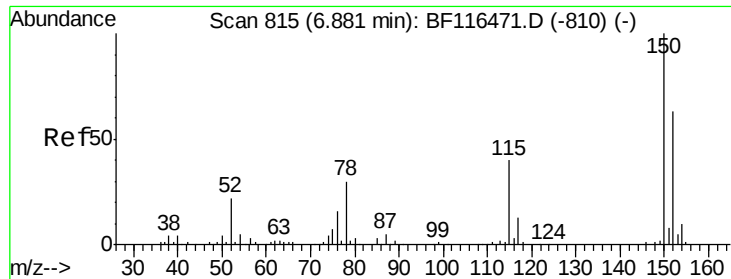
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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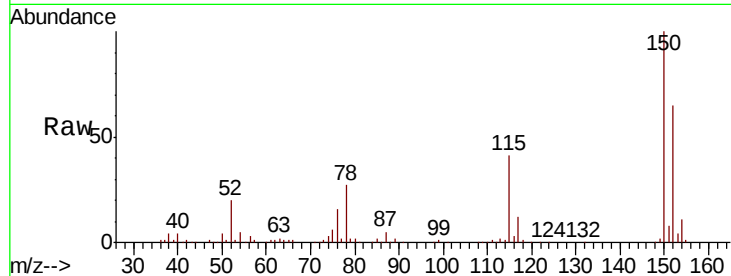


#1

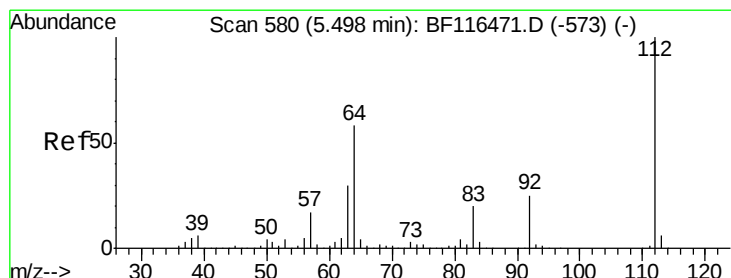
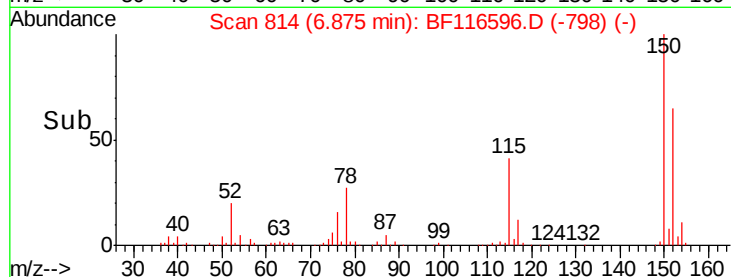
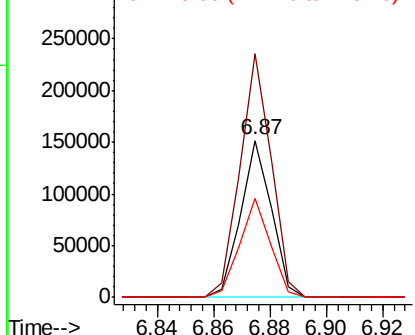
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF116596.D
 Acq: 27 Aug 2019 21:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 115370
 Ion Ratio Lower Upper
 152 100
 150 154.9 126.7 190.1
 115 63.3 50.9 76.3



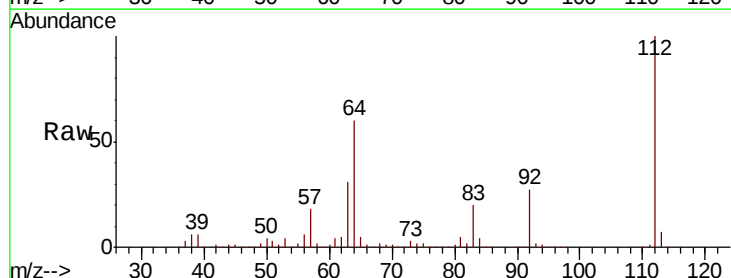
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



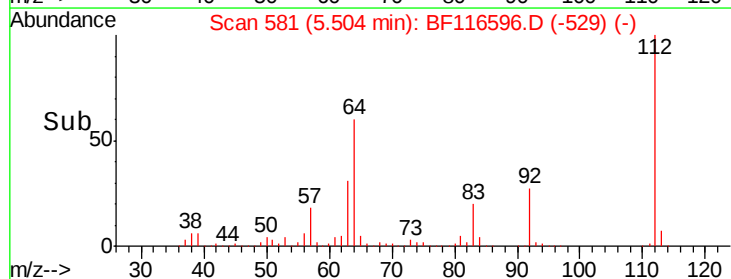
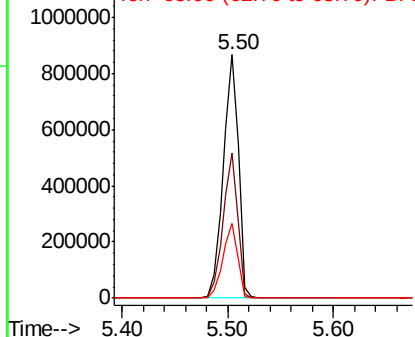
#5

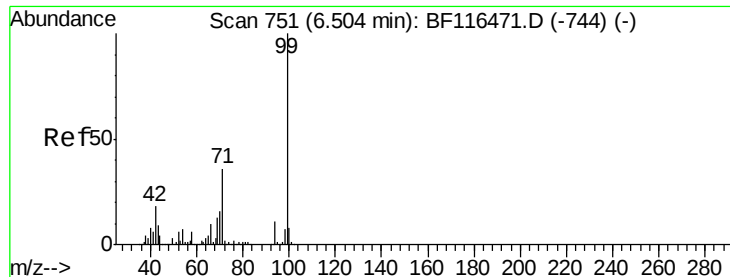
2-Fluorophenol
 Concen: 110.095 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF116596.D
 Acq: 27 Aug 2019 21:29

Tgt Ion:112 Resp: 869296
 Ion Ratio Lower Upper
 112 100
 64 59.7 46.3 69.5
 63 30.6 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: 108.867 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116596.D

Acq: 27 Aug 2019 21:29

Instrument :

BNA_F

ClientSampled :

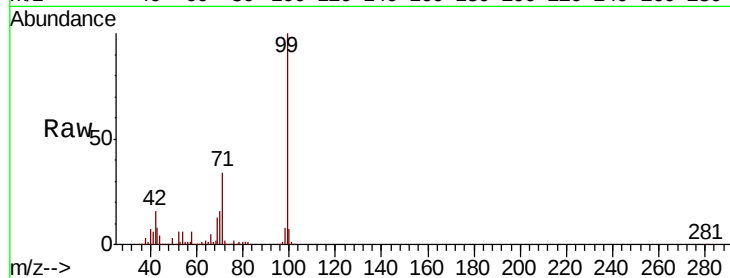
Tot Ion: 99 Resp: 1053992

Ion Ratio Lower Upper

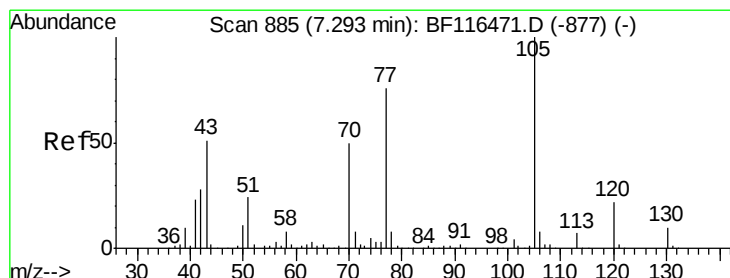
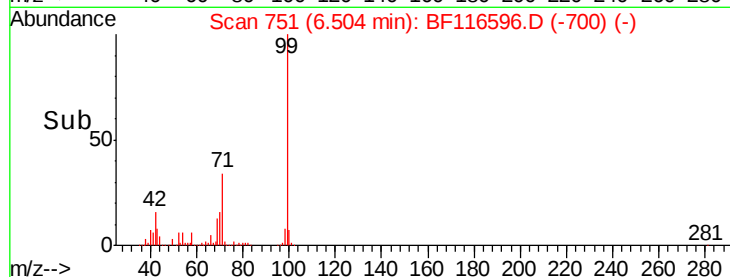
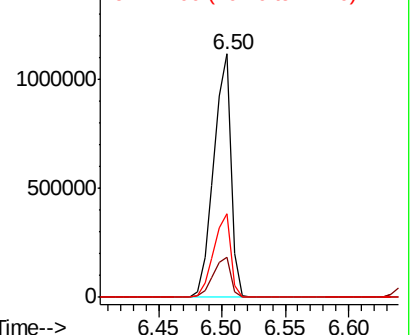
99 100

42 16.4 14.6 21.8

71 34.3 28.5 42.7



Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
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: 12.528 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF116596.D

Acq: 27 Aug 2019 21:29

Tgt Ion: 70 Resp: 82766

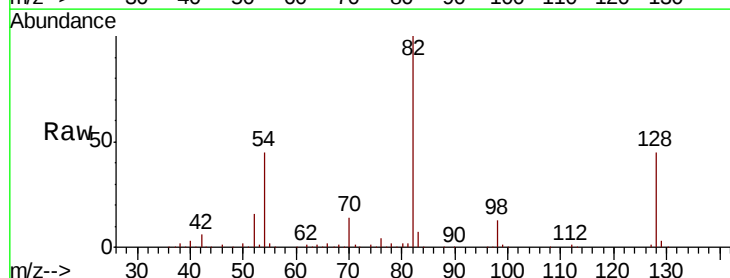
Ion Ratio Lower Upper

70 100

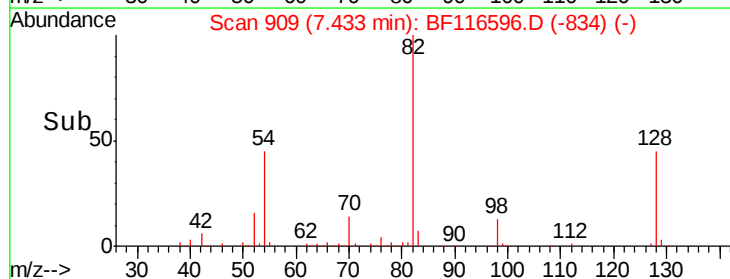
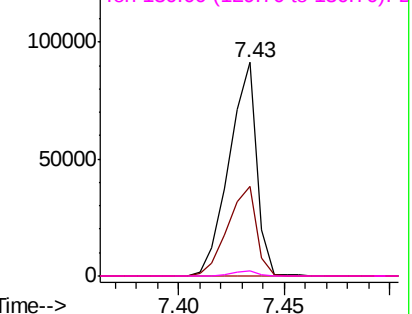
42 42.1 44.4 66.6#

101 0.0 7.1 10.7#

130 2.3 15.8 23.8#



Abundance Ion 70.00 (69.70 to 70.70): BF1
100000
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: BF116596.D

Acq: 27 Aug 2019 21:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 358748

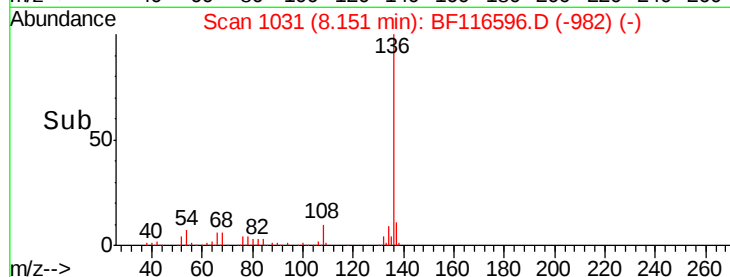
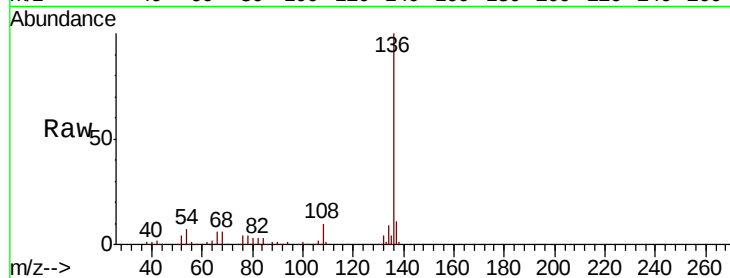
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.6 5.8 8.6

68 5.7 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

8.15

400000

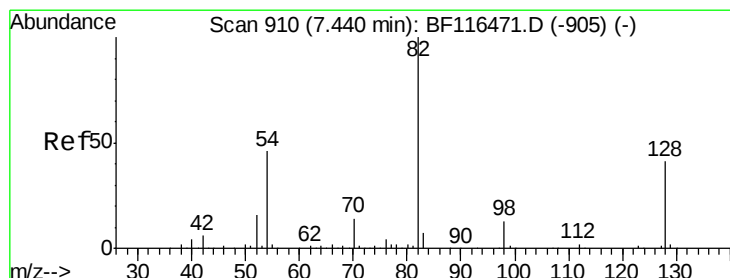
300000

200000

100000

0

Time--> 8.10 8.20 8.30



#23

Nitrobenzene-d5

Concen: 92.181 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF116596.D

Acq: 27 Aug 2019 21:29

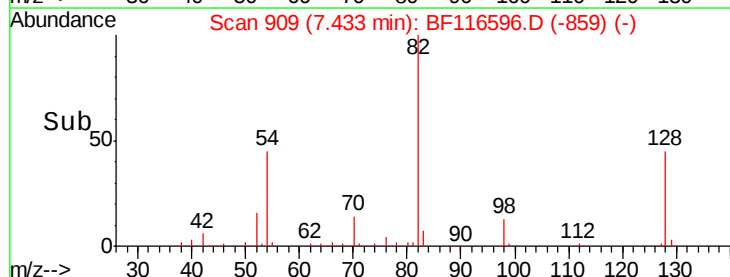
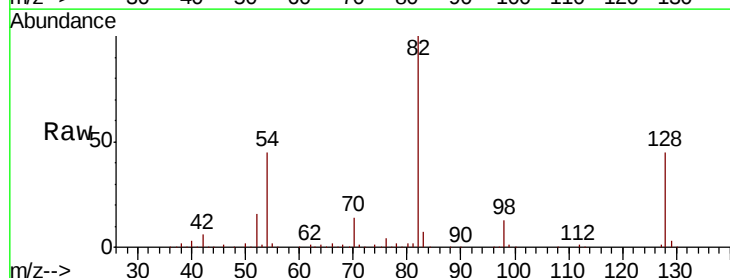
Tgt Ion: 82 Resp: 604453

Ion Ratio Lower Upper

82 100

128 45.1 32.2 48.4

54 45.2 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

7.43

800000

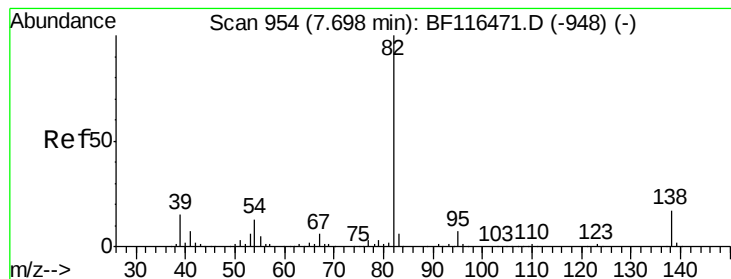
600000

400000

200000

0

Time--> 7.35 7.40 7.45 7.50



#25

Isophorone

Concen: 46.776 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF116596.D

Acq: 27 Aug 2019 21:29

Instrument :

BNA_F

ClientSampleId :

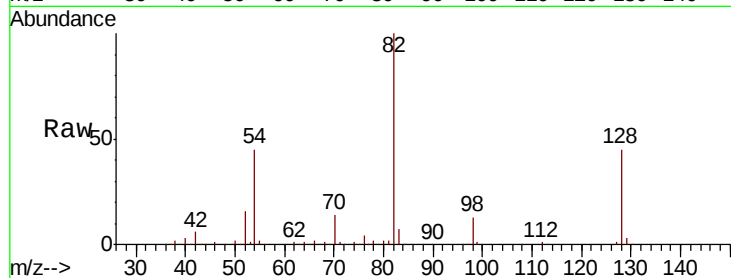
Tot Ion: 82 Resp: 604446

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

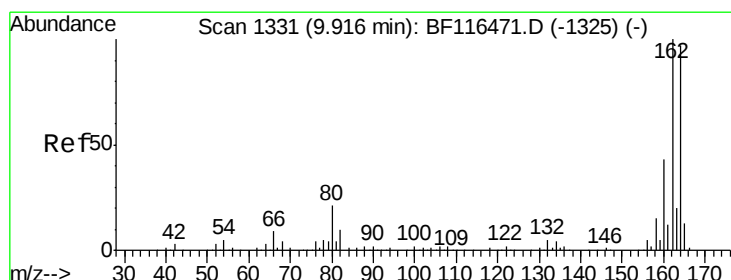
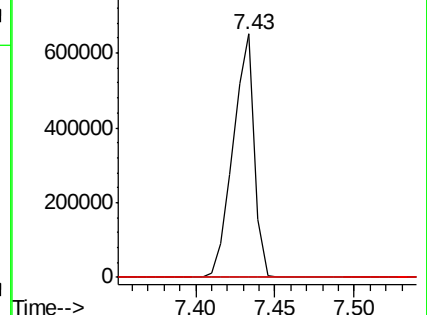
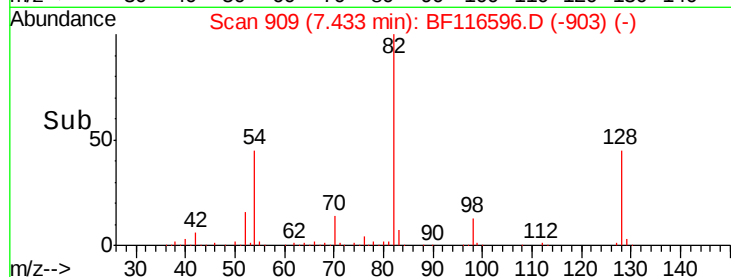
138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF116596.D (-903) (-)

Ion 95.00 (94.70 to 95.70): BF116596.D (-903) (-)

Ion 138.00 (137.70 to 138.70): BF116596.D (-903) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF116596.D

Acq: 27 Aug 2019 21:29

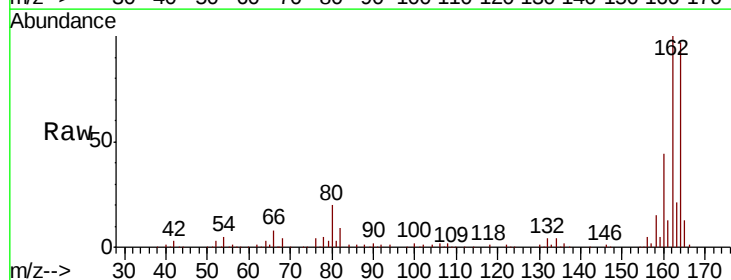
Tgt Ion: 164 Resp: 188529

Ion Ratio Lower Upper

164 100

162 102.6 82.6 123.8

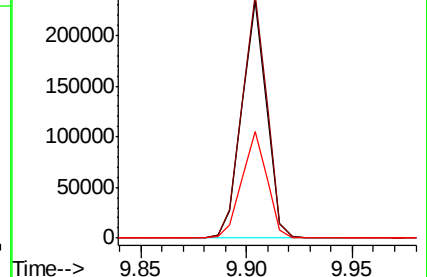
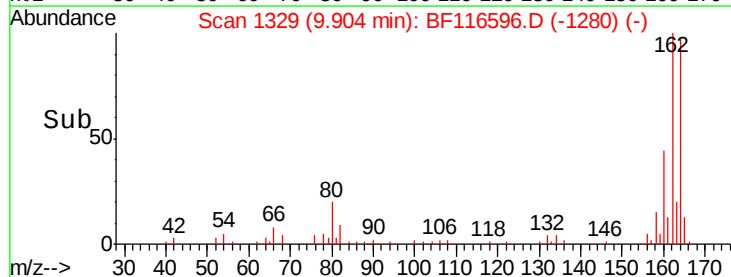
160 45.0 35.8 53.8

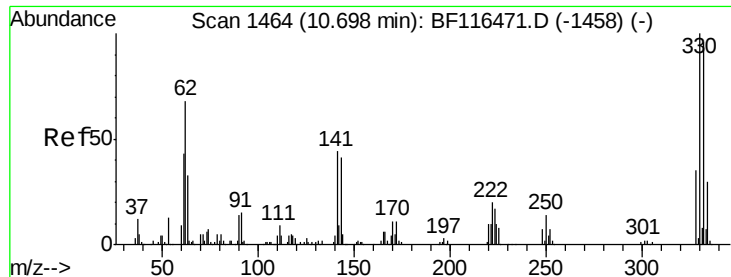


Abundance Ion 164.00 (163.70 to 164.70): BF116596.D (-1280) (-)

Ion 162.00 (161.70 to 162.70): BF116596.D (-1280) (-)

Ion 160.00 (159.70 to 160.70): BF116596.D (-1280) (-)





#42

2,4,6-Tribromophenol

Concen: 165.577 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF116596.D

Acq: 27 Aug 2019 21:29

Instrument :

BNA_F

ClientSampleId :

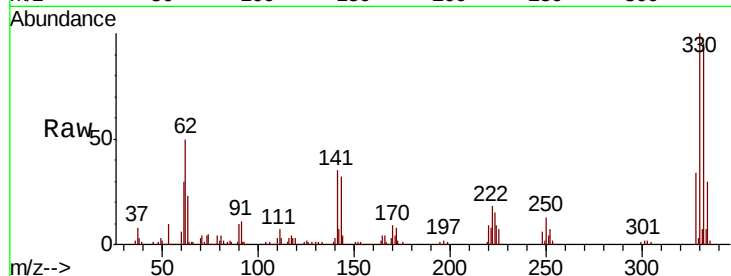
Tot Ion:330 Resp: 268044

Ion Ratio Lower Upper

330 100

332 96.5 77.2 115.8

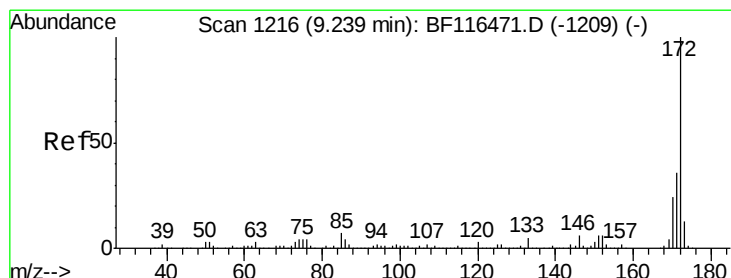
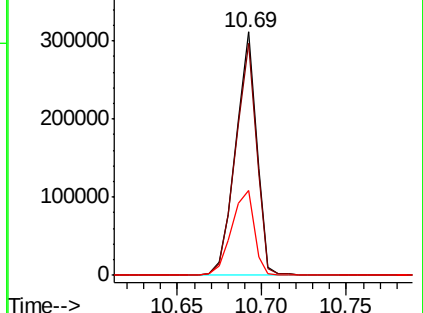
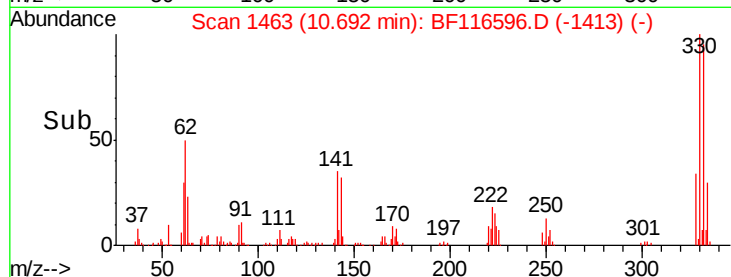
141 37.7 33.3 49.9



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: 95.050 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF116596.D

Acq: 27 Aug 2019 21:29

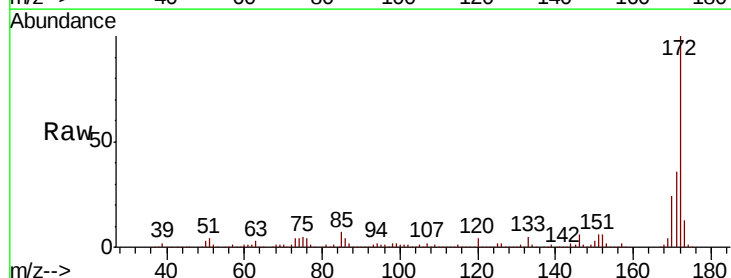
Tgt Ion:172 Resp: 1112738

Ion Ratio Lower Upper

172 100

171 36.4 28.9 43.3

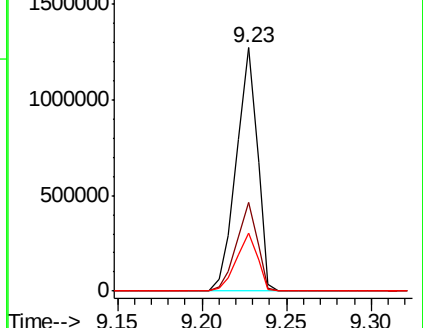
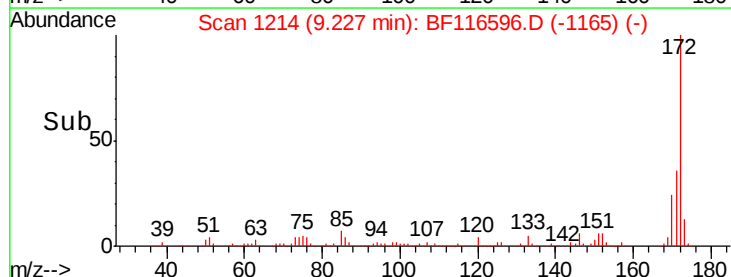
170 23.8 19.4 29.0

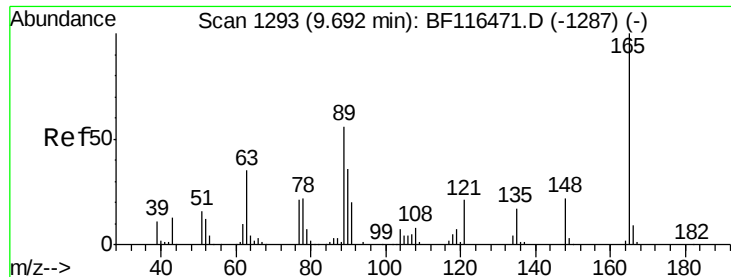


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 9.073 ng

RT: 9.90 min Scan# 1329

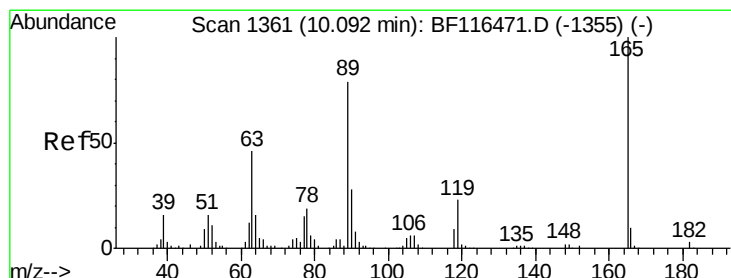
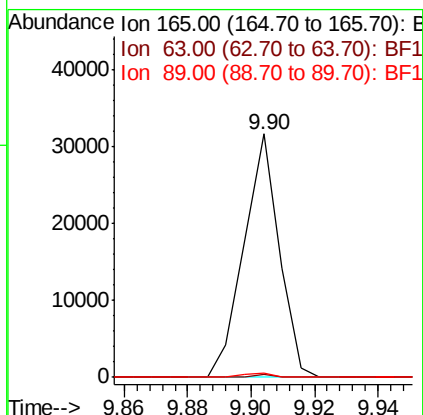
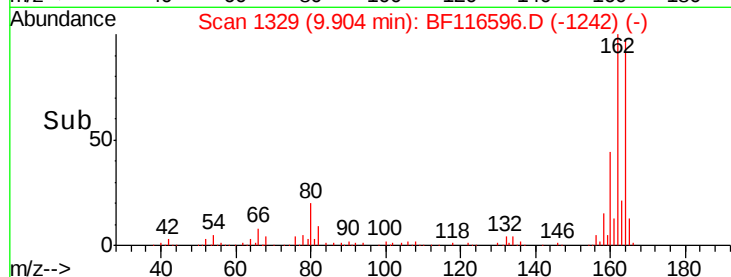
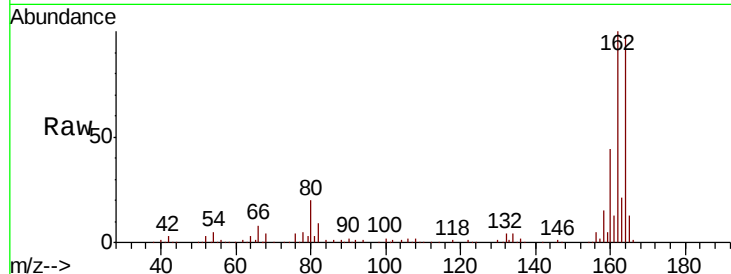
Delta R.T. 0.21 min

Lab File: BF116596.D

Acq: 27 Aug 2019 21:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	24428
Ion Ratio	Lower	Upper
165	100	
63	1.1	43.7 65.5#
89	1.6	45.1 67.7#



#57

2,4-Dinitrotoluene

Concen: 7.130 ng

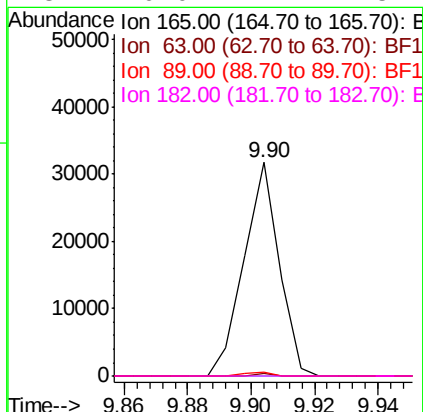
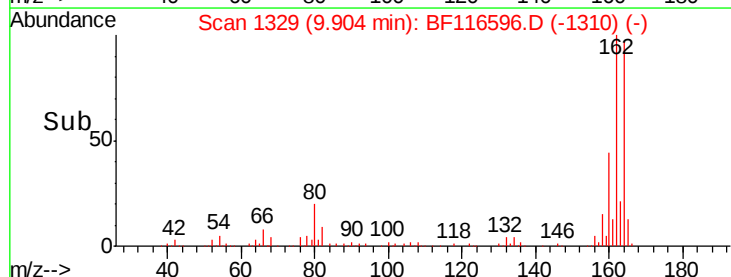
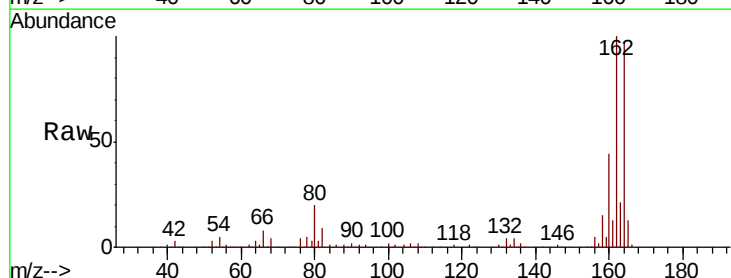
RT: 9.90 min Scan# 1329

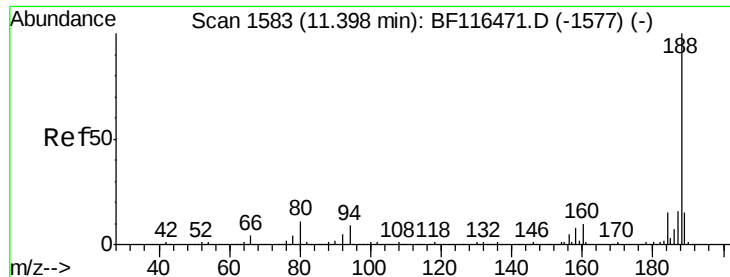
Delta R.T. -0.19 min

Lab File: BF116596.D

Acq: 27 Aug 2019 21:29

Tgt Ion:165	Resp:	24428
Ion Ratio	Lower	Upper
165	100	
63	1.1	36.9 55.3#
89	1.6	63.4 95.0#
182	0.0	2.1 3.1#

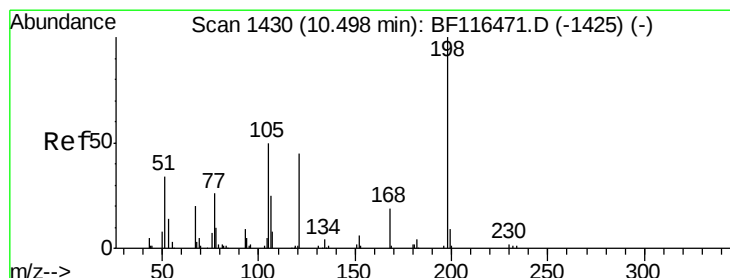
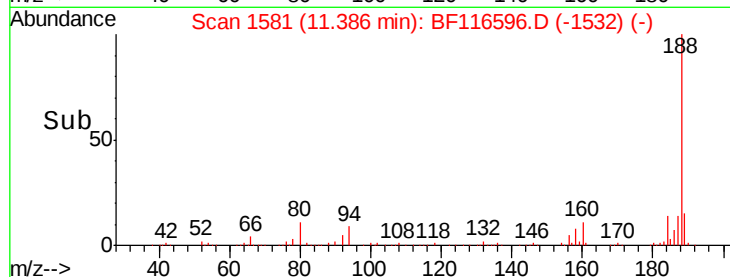
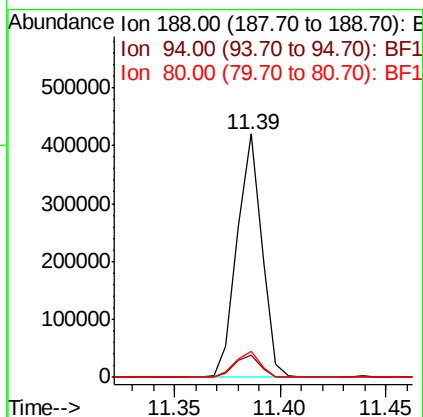
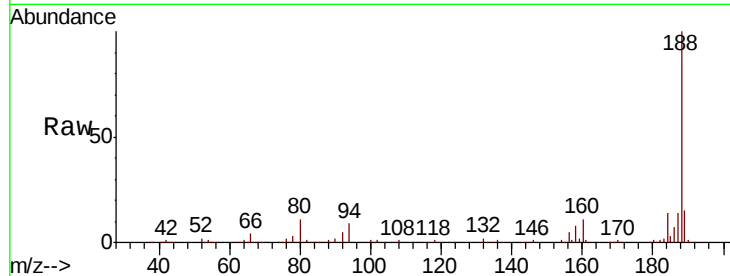




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116596.D
Acq: 27 Aug 2019 21:29

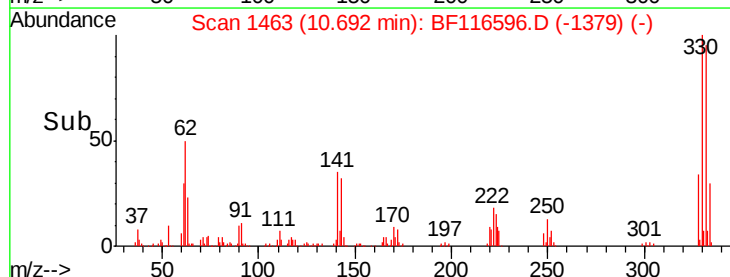
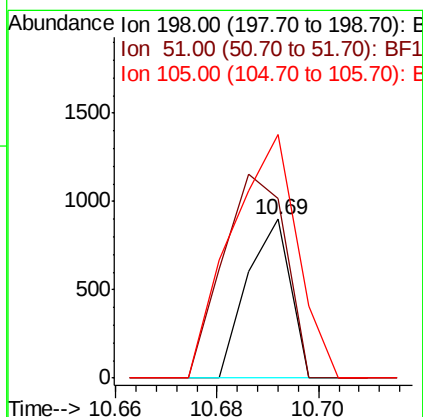
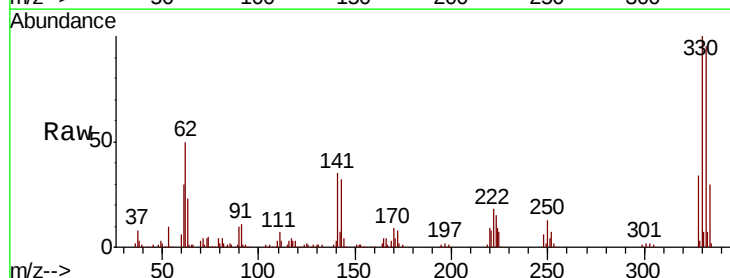
Instrument :
BNA_F
ClientSampled :

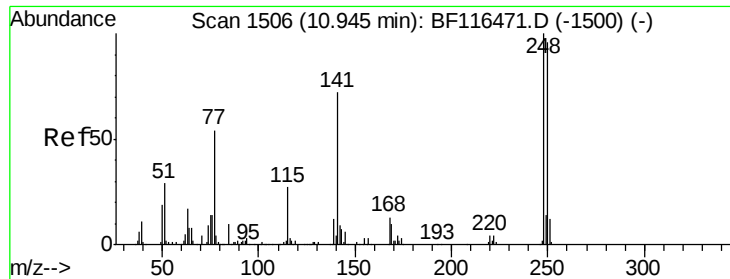
Tot Ion:188 Resp: 340255
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 10.6 8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 7.329 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.19 min
Lab File: BF116596.D
Acq: 27 Aug 2019 21:29

Tgt Ion:198 Resp: 529
Ion Ratio Lower Upper
198 100
51 113.6 30.4 70.4#
105 153.4 32.8 72.8#

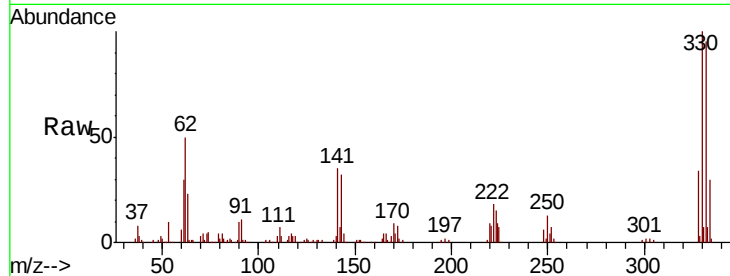




#67
 4-Bromophenyl-phenylether
 Concen: 5.014 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.25 min
 Lab File: BF116596.D
 Acq: 27 Aug 2019 21:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	205.5	77.0	115.6#
141	536.8	57.4	86.0#

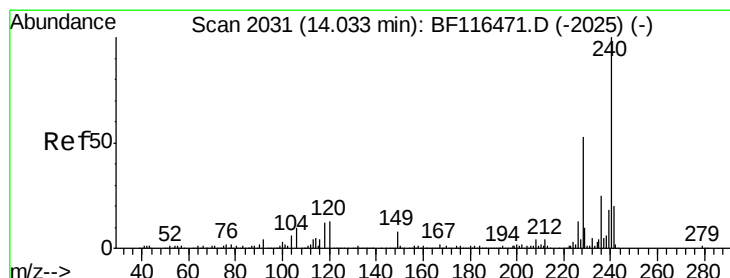
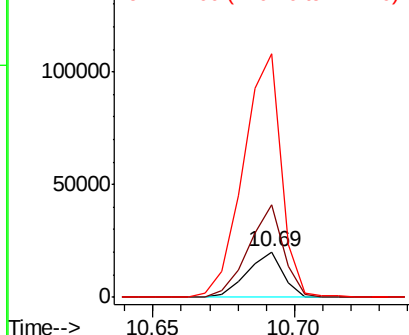
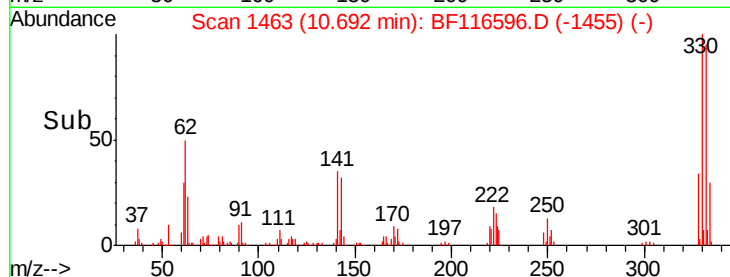


Abundance

Ion 248.00 (247.70 to 248.70): E

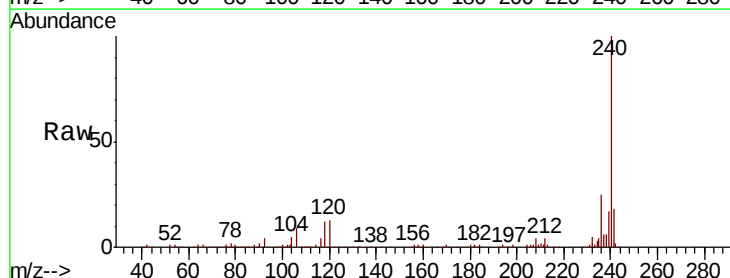
Ion 250.00 (249.70 to 250.70): E

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: BF116596.D
 Acq: 27 Aug 2019 21:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.5	15.7
236	25.2	20.2	30.2

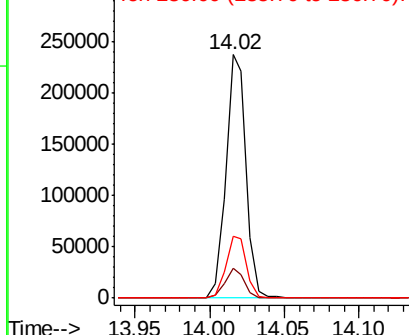
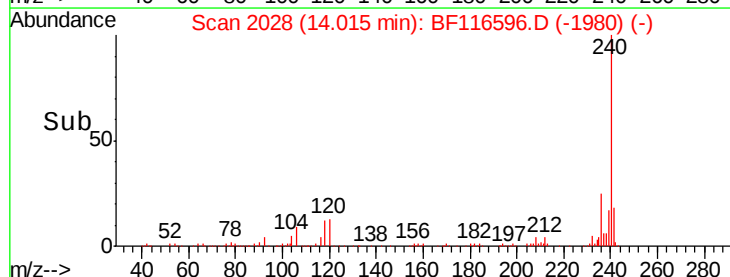


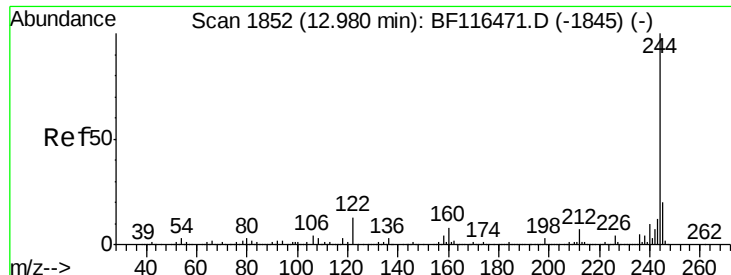
Abundance

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: 110.125 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF116596.D

Acq: 27 Aug 2019 21:29

Instrument :

BNA_F

ClientSampleId :

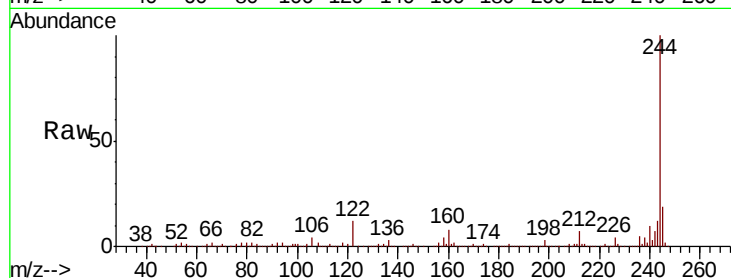
Tot Ion:244 Resp: 1331499

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

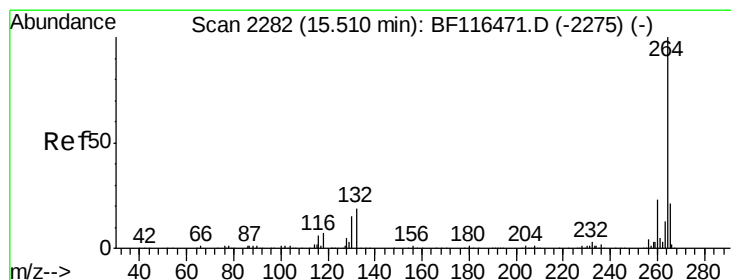
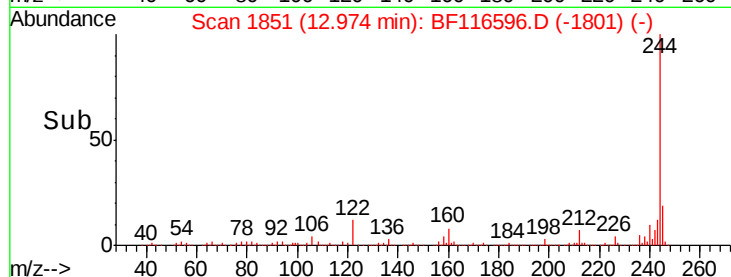
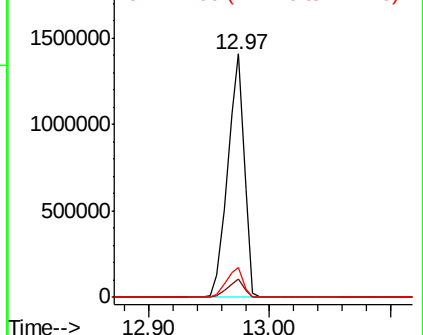
122 12.2 10.2 15.4



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: BF116596.D

Acq: 27 Aug 2019 21:29

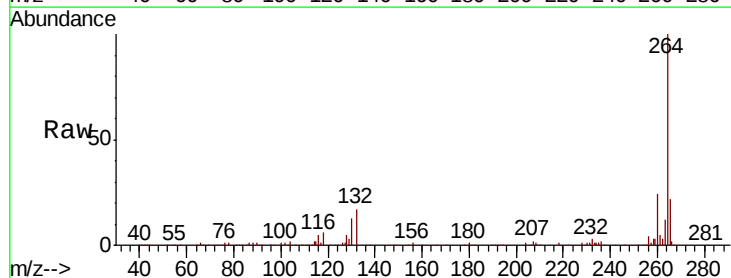
Tgt Ion:264 Resp: 217053

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 21.7 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

