

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082019\
 Data File : BF116440.D
 Acq On : 20 Aug 2019 19:58
 Operator : HP/JU
 Sample : K4386-31
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 21 01:15:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

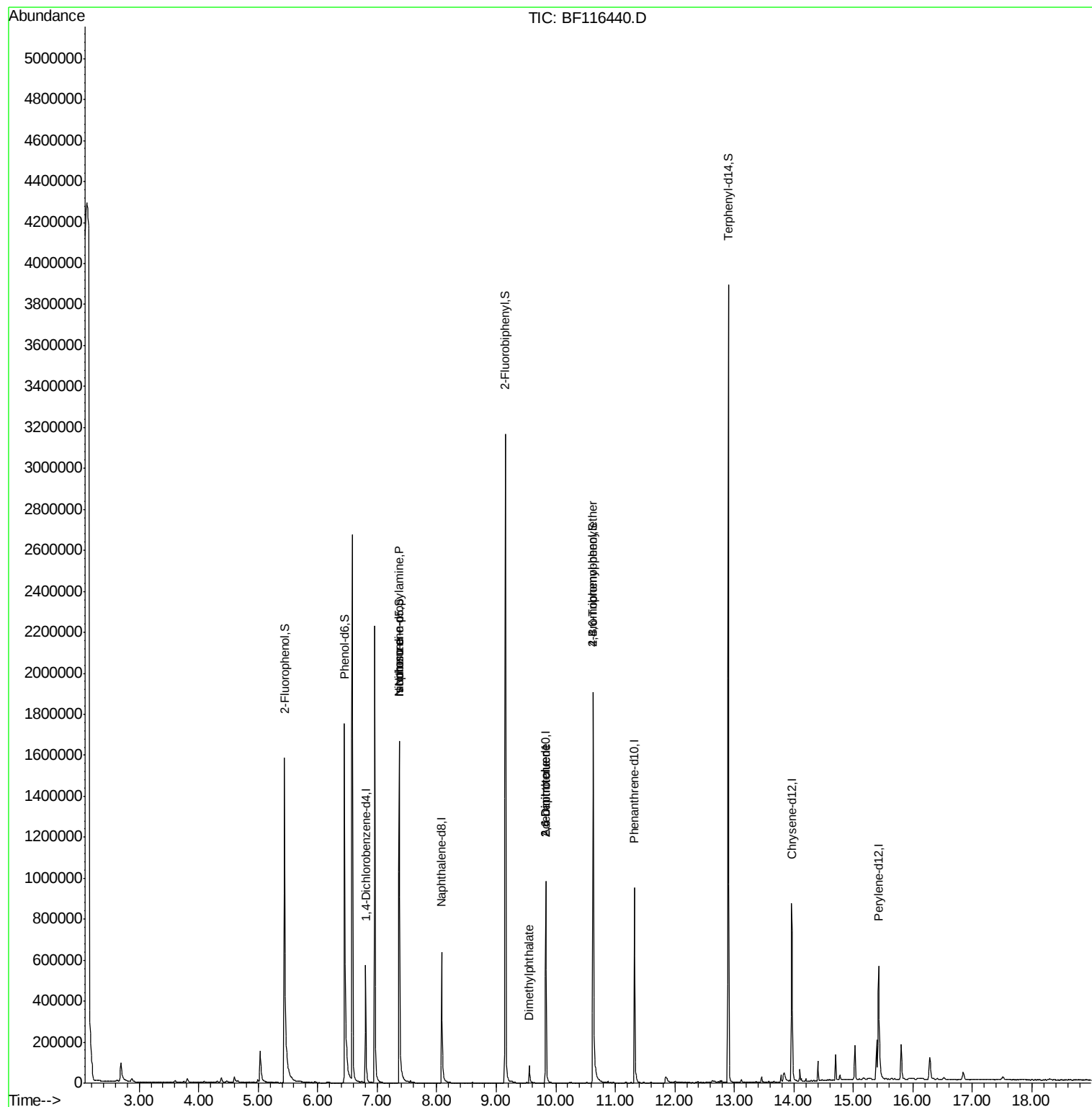
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	94077	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	365077	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	198155	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	373100	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	332066	20.00	ng	-0.02
87) Perylene-d12	15.42	264	333528	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	685796	122.03	ng	0.00
7) Phenol-d6	6.45	99	827908	116.77	ng	-0.01
23) Nitrobenzene-d5	7.37	82	629294	99.50	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	288209	150.02	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	1081188	102.20	ng	-0.01
79) Terphenyl-d14	12.90	244	1424835	90.41	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	82270	18.725	ng	# 78
25) Isophorone	7.37	82	629294	52.035	ng	# 65
50) Dimethylphthalate	9.56	163	47837	3.546	ng	97
51) 2,6-Dinitrotoluene	9.83	165	25036	8.539	ng	# 29
57) 2,4-Dinitrotoluene	9.83	165	25036	6.413	ng	# 20
67) 4-Bromophenyl-phenylether	10.63	248	16787	4.203	ng	# 1

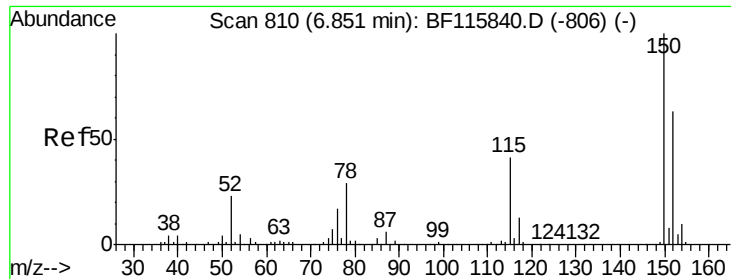
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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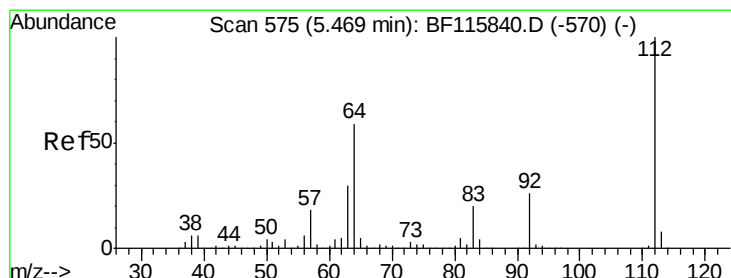
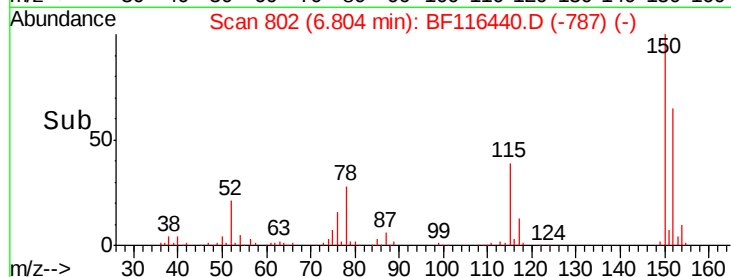
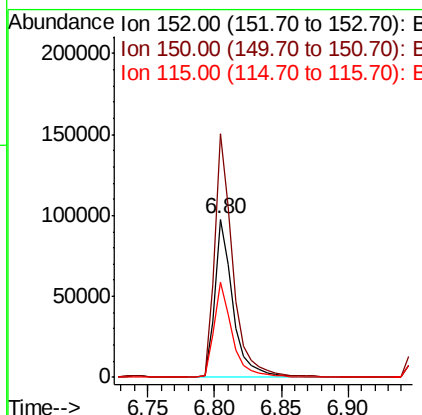
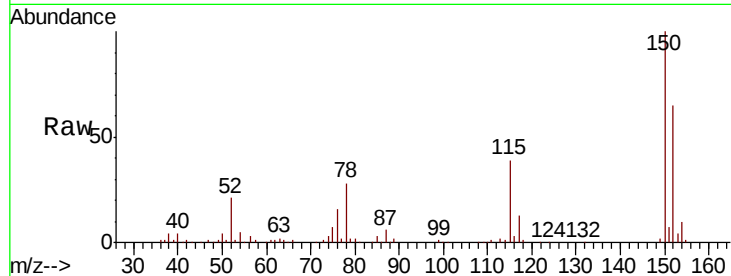


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF116440.D
 Acq: 20 Aug 2019 19:58

Instrument :
 BNA_F
 ClientSampleId :

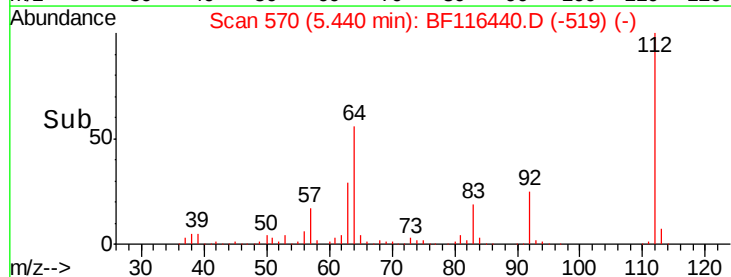
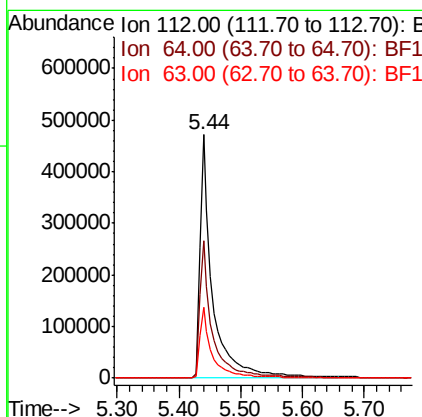
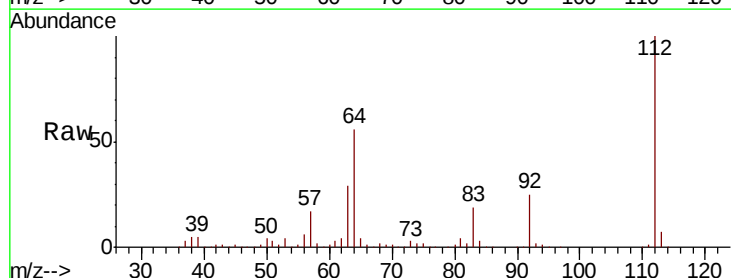
Tot Ion:152 Resp: 94077
 Ion Ratio Lower Upper
 152 100
 150 153.7 126.2 189.2
 115 60.3 49.9 74.9

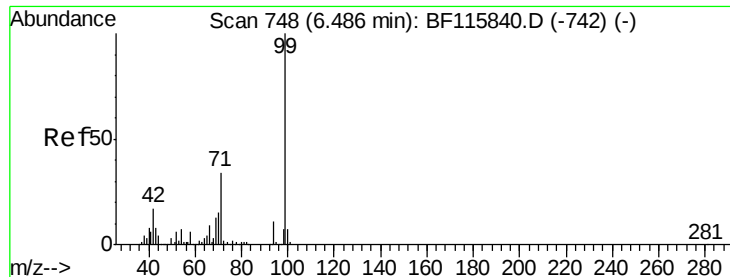


#5

2-Fluorophenol
 Concen: 122.035 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: BF116440.D
 Acq: 20 Aug 2019 19:58

Tgt Ion:112 Resp: 685796
 Ion Ratio Lower Upper
 112 100
 64 56.5 45.4 68.2
 63 29.2 23.7 35.5





#7

Phenol-d6

Concen: 116.768 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116440.D

Acq: 20 Aug 2019 19:58

Instrument :

BNA_F

ClientSampleId :

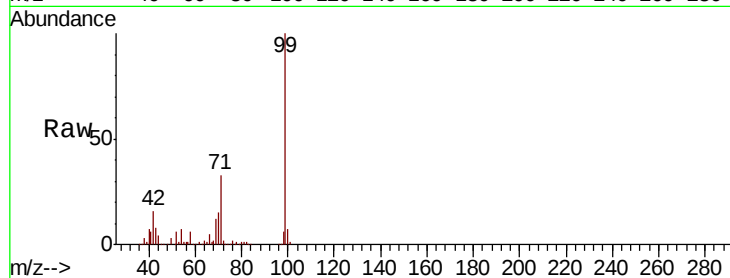
Tot Ion: 99 Resp: 827908

Ion Ratio Lower Upper

99 100

42 16.5 13.8 20.8

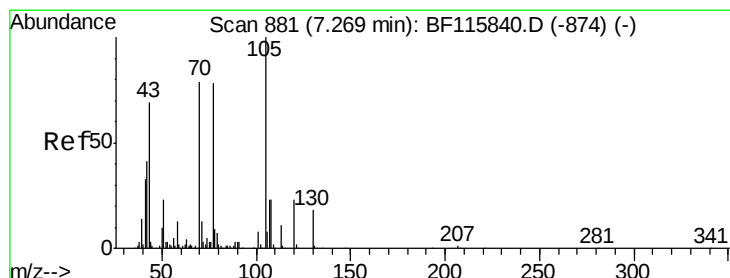
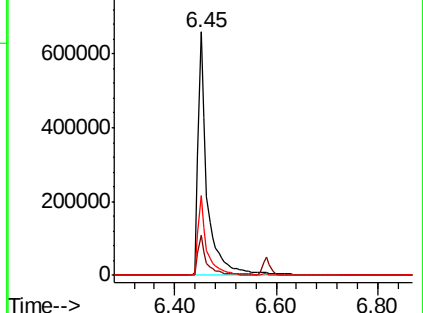
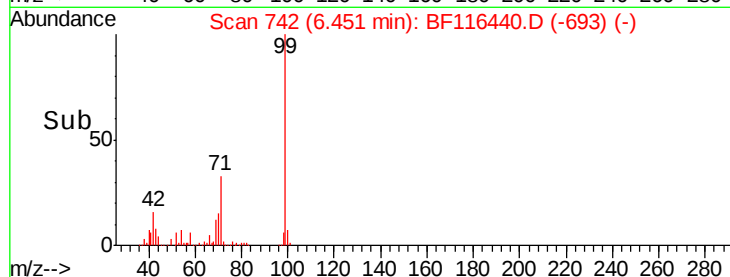
71 32.8 27.3 40.9



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: 18.725 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF116440.D

Acq: 20 Aug 2019 19:58

Tgt Ion: 70 Resp: 82270

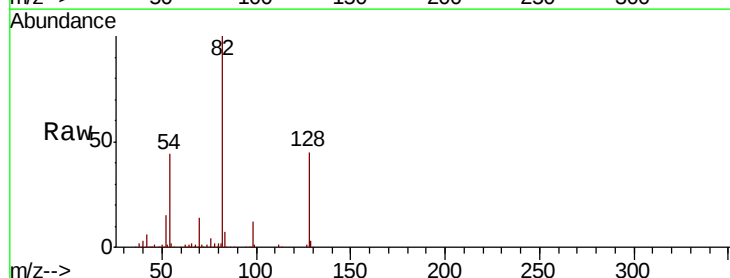
Ion Ratio Lower Upper

70 100

42 42.3 40.9 61.3

101 0.0 7.9 11.9#

130 2.0 16.9 25.3#

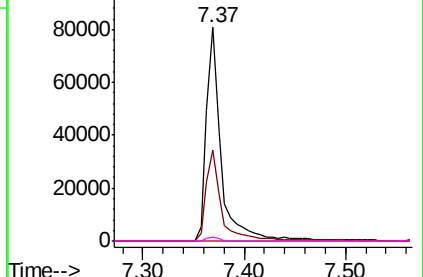
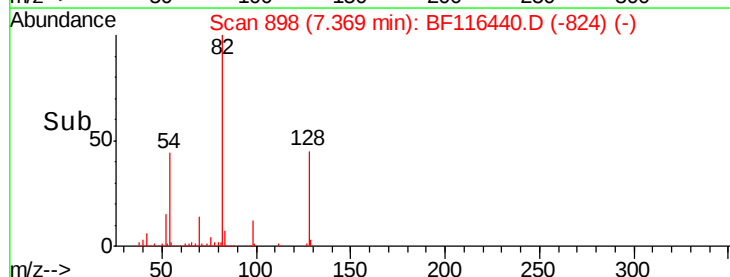


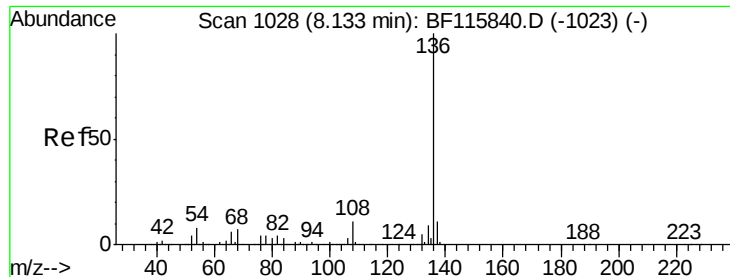
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF116440.D

Acq: 20 Aug 2019 19:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 365077

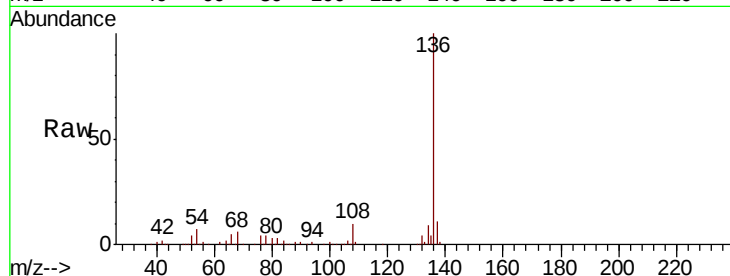
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.7 5.8 8.6

68 5.9 5.2 7.8

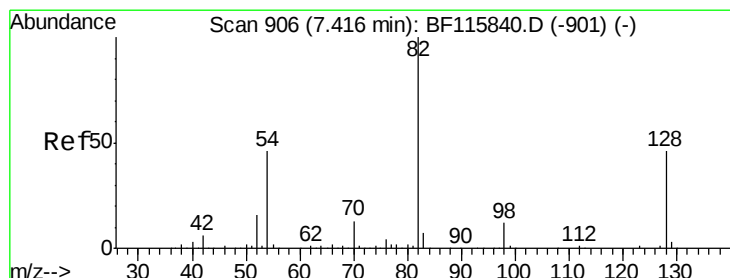
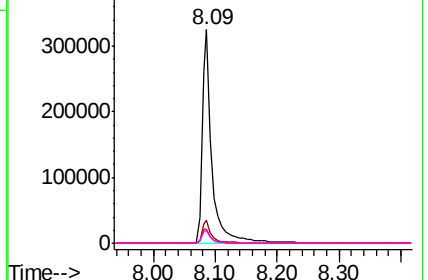
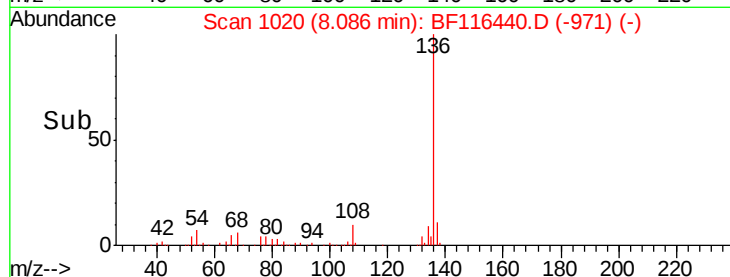


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.499 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF116440.D

Acq: 20 Aug 2019 19:58

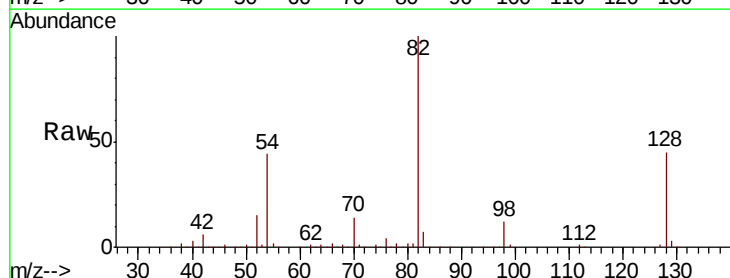
Tgt Ion: 82 Resp: 629294

Ion Ratio Lower Upper

82 100

128 44.7 36.5 54.7

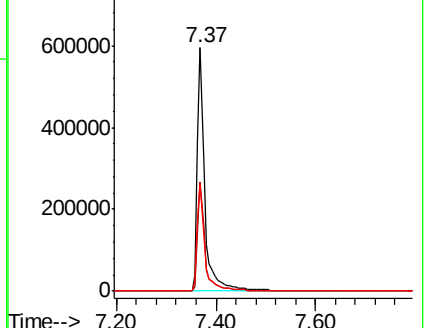
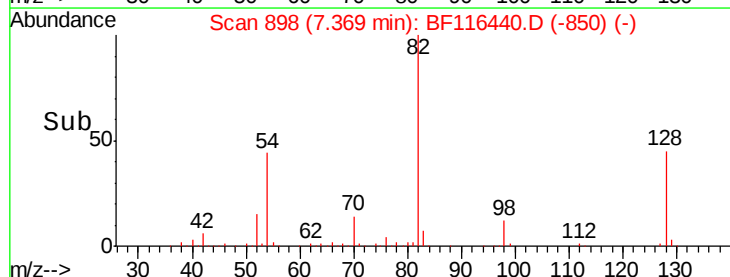
54 44.3 36.0 54.0

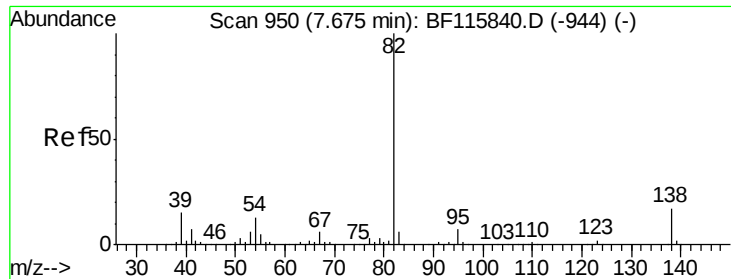


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

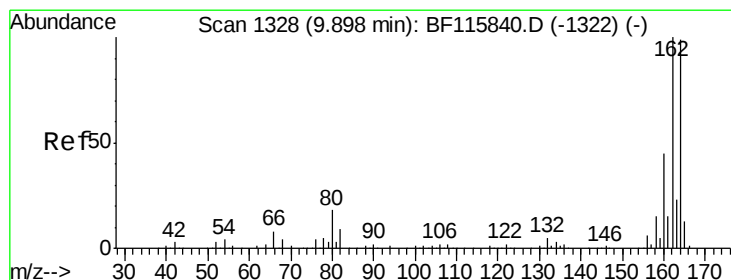
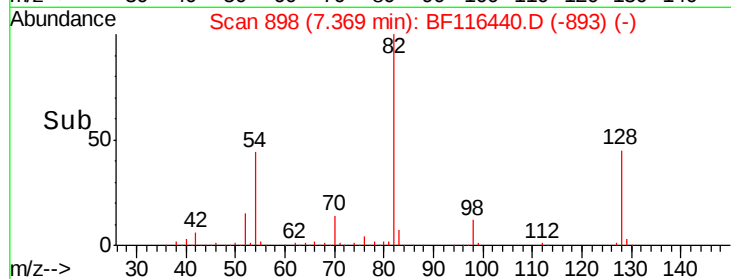
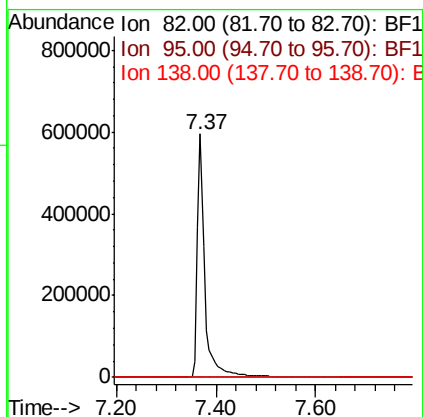
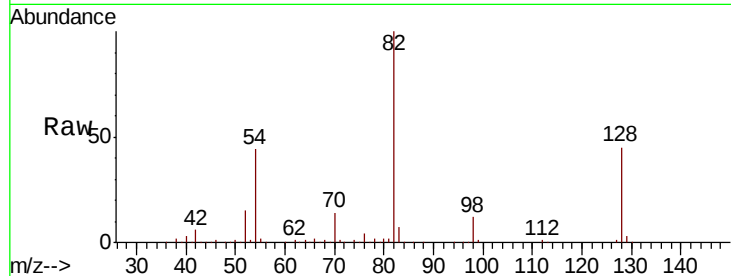




#25
Isophorone
Concen: 52.035 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF116440.D
Acq: 20 Aug 2019 19:58

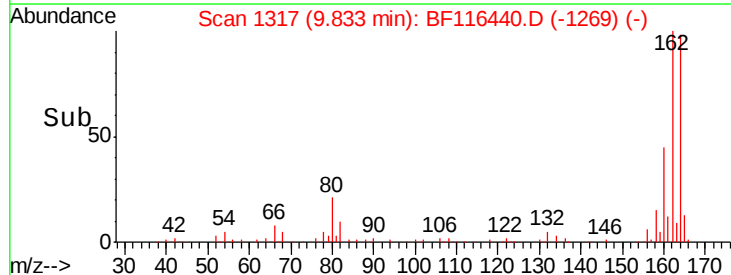
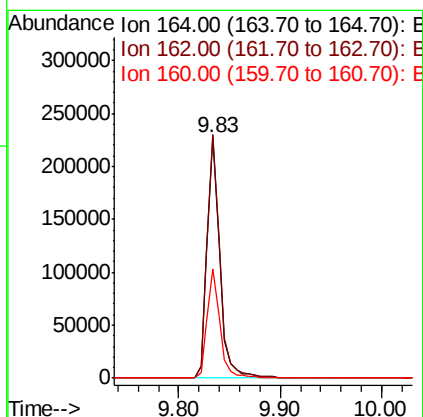
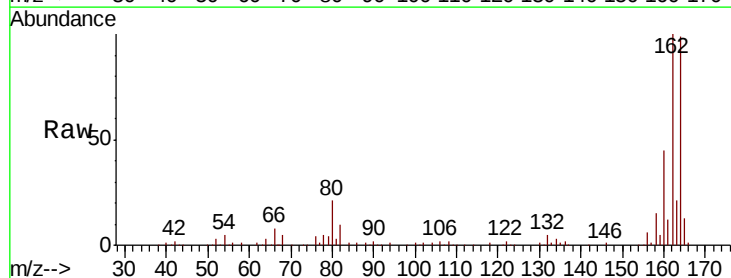
Instrument :
BNA_F
ClientSampleId :

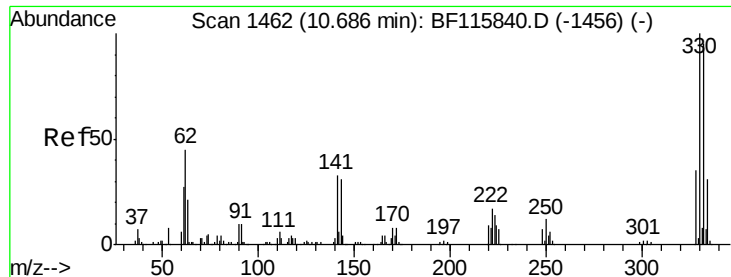
Tot Ion: 82 Resp: 629294
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF116440.D
Acq: 20 Aug 2019 19:58

Tgt Ion: 164 Resp: 198155
Ion Ratio Lower Upper
164 100
162 101.1 82.6 124.0
160 45.3 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 150.018 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.02 min

Lab File: BF116440.D

Acq: 20 Aug 2019 19:58

Instrument :

BNA_F

ClientSampleId :

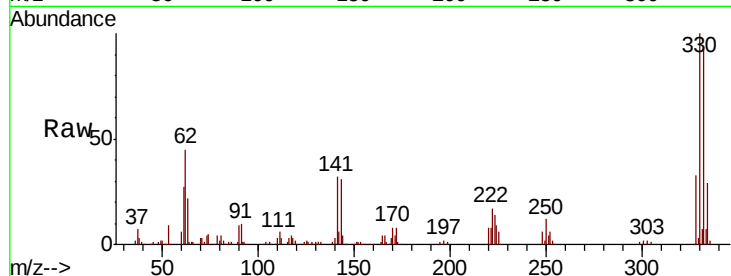
Tot Ion:330 Resp: 288209

Ion Ratio Lower Upper

330 100

332 94.9 76.8 115.2

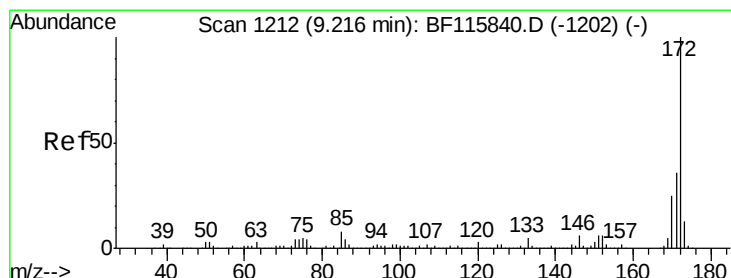
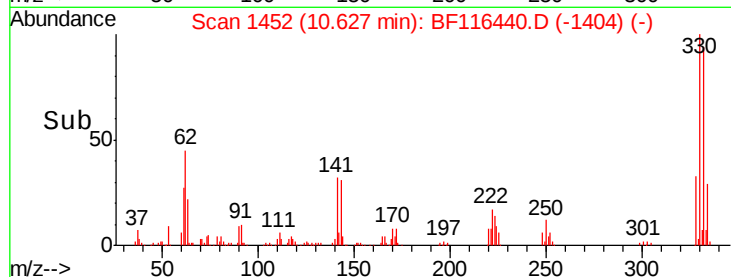
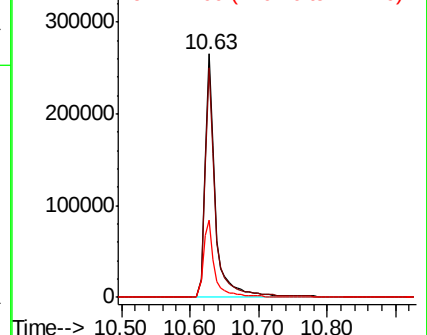
141 34.3 26.3 39.5



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: 102.200 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF116440.D

Acq: 20 Aug 2019 19:58

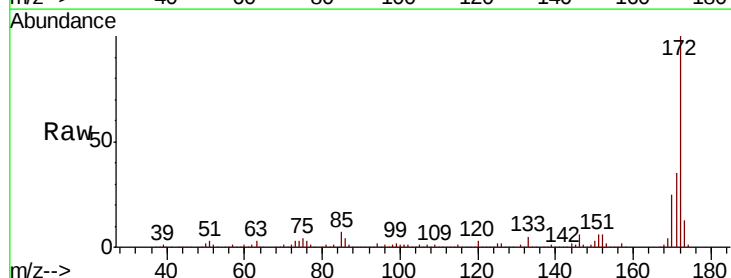
Tgt Ion:172 Resp: 1081188

Ion Ratio Lower Upper

172 100

171 35.0 29.6 44.4

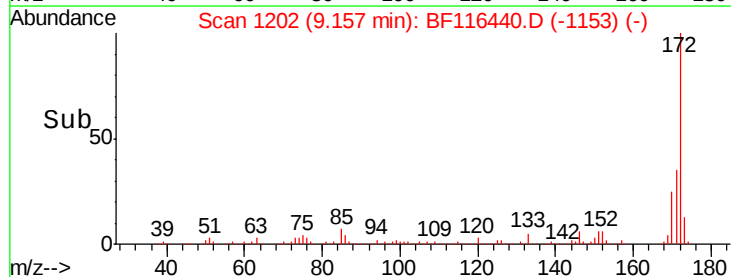
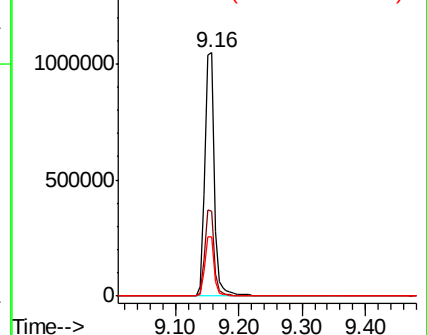
170 24.6 20.1 30.1

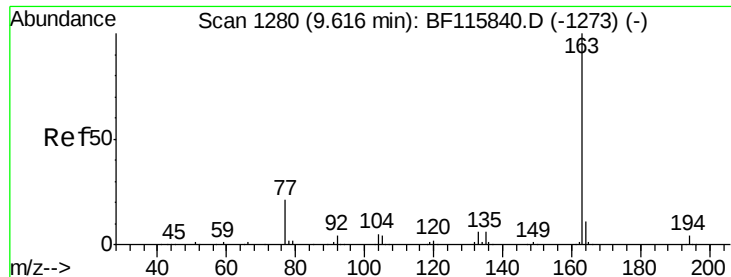


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.546 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF116440.D

Acq: 20 Aug 2019 19:58

Instrument :

BNA_F

ClientSampleId :

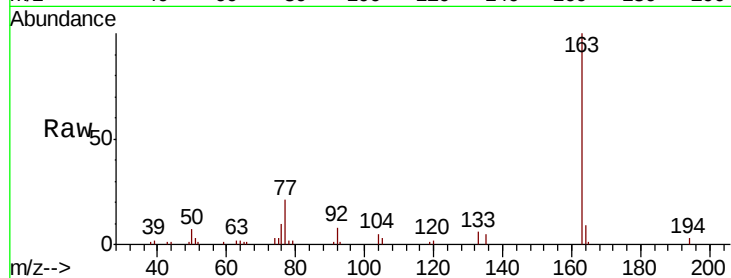
Tot Ion:163 Resp: 47837

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.6

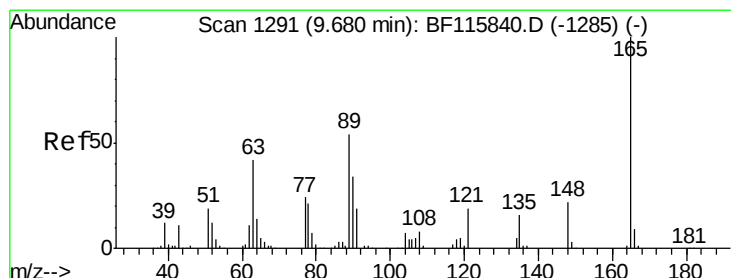
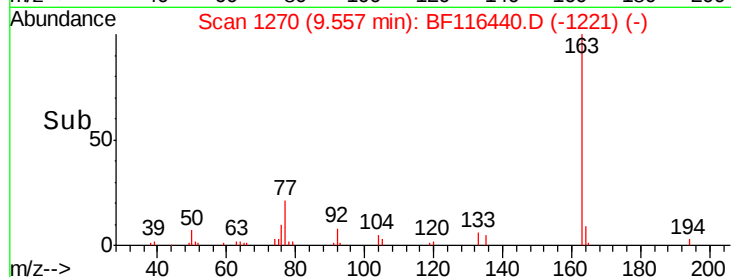
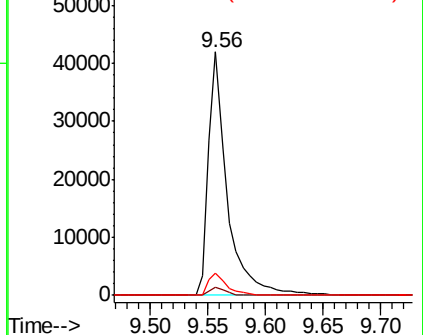
164 9.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.539 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.19 min

Lab File: BF116440.D

Acq: 20 Aug 2019 19:58

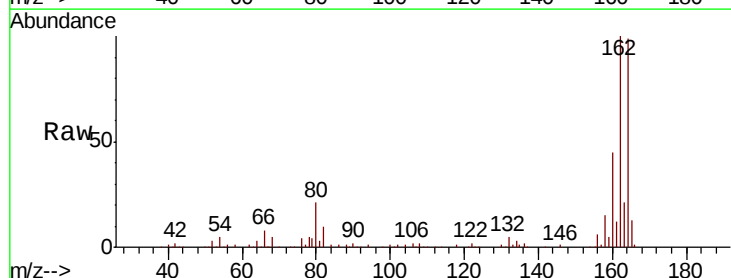
Tgt Ion:165 Resp: 25036

Ion Ratio Lower Upper

165 100

63 1.1 38.2 57.2#

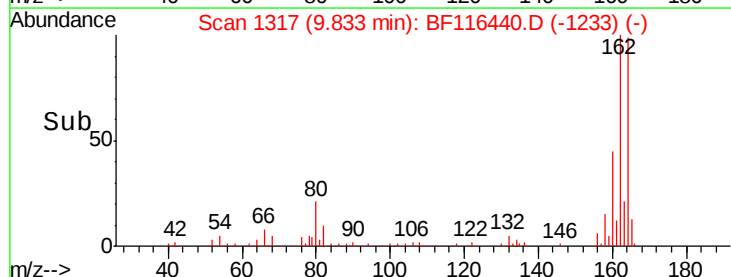
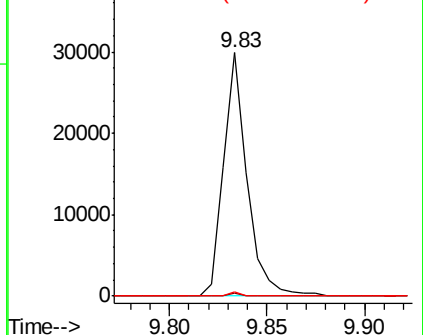
89 1.5 42.9 64.3#

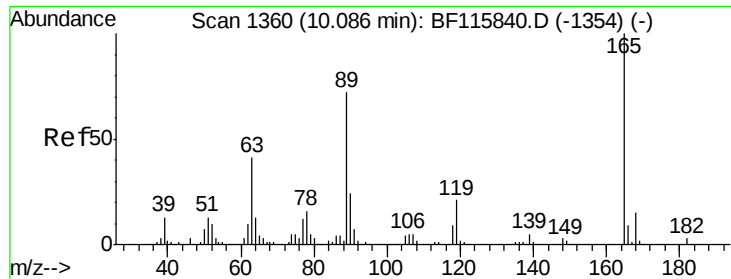


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

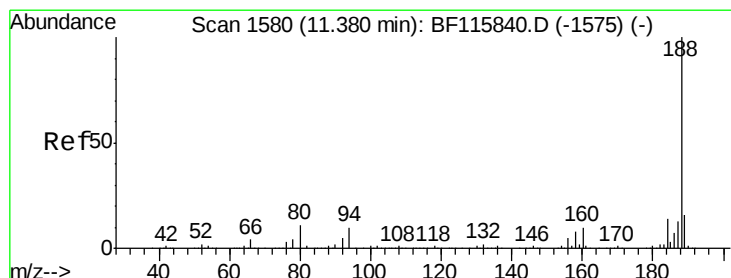
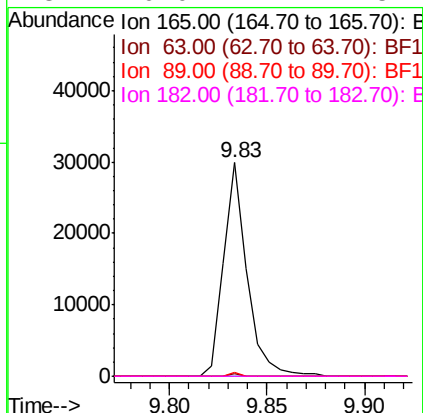
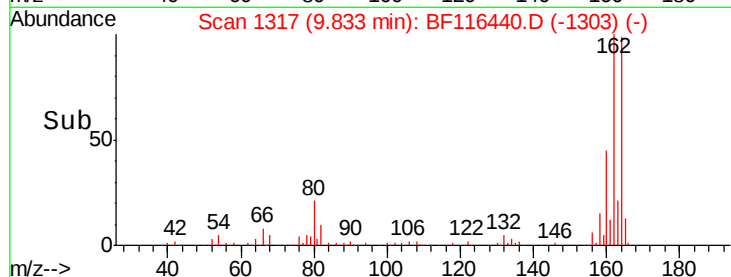
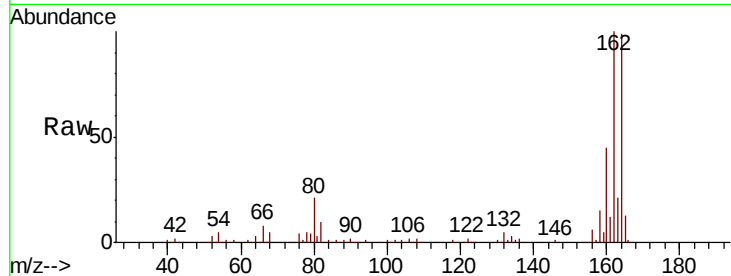




#57
 2,4-Dinitrotoluene
 Concen: 6.413 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.22 min
 Lab File: BF116440.D
 Acq: 20 Aug 2019 19:58

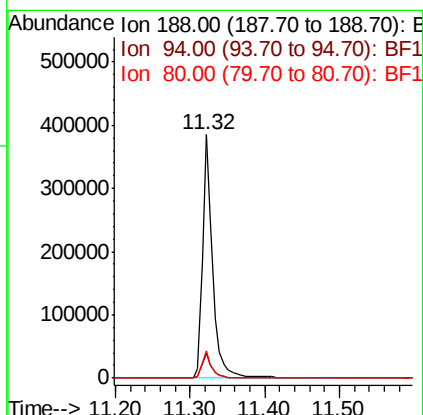
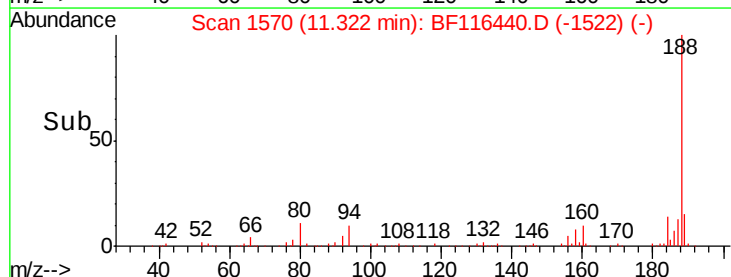
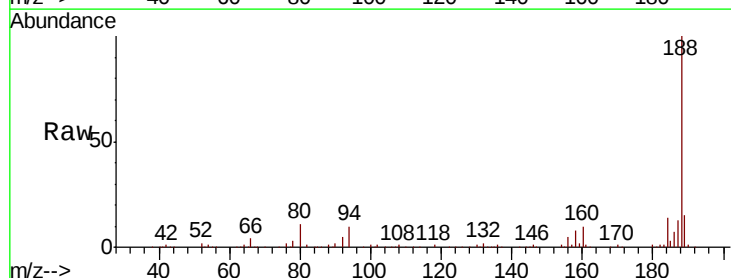
Instrument :
 BNA_F
 ClientSampleId :

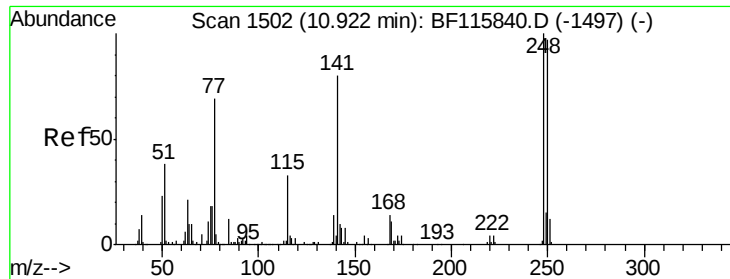
Tot Ion:165	Resp:	25036
Ion Ratio	Lower	Upper
165	100	
63	1.1	39.6 59.4#
89	1.5	62.2 93.2#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF116440.D
 Acq: 20 Aug 2019 19:58

Tgt Ion:188	Resp:	373100
Ion Ratio	Lower	Upper
188	100	
94	10.3	8.1 12.1
80	11.0	8.7 13.1

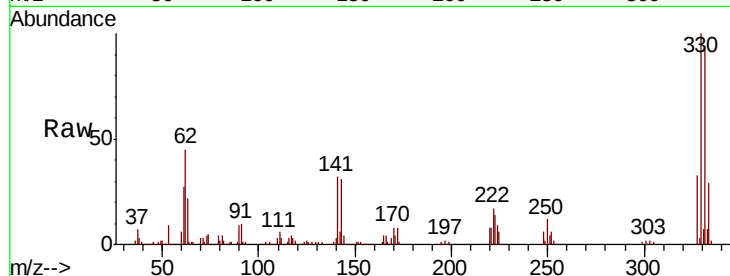




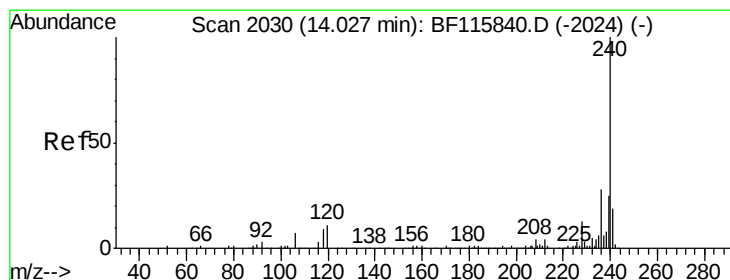
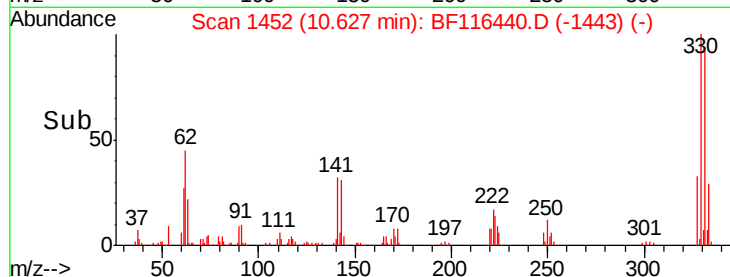
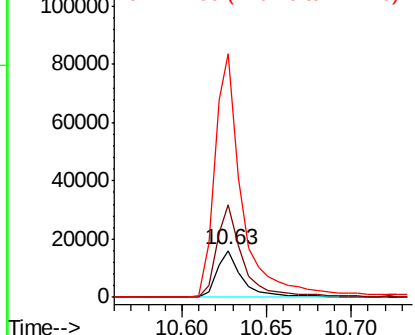
#67
 4-Bromophenyl-phenylether
 Concen: 4.203 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF116440.D
 Acq: 20 Aug 2019 19:58

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 16787
 Ion Ratio Lower Upper
 248 100
 250 198.7 77.4 116.2#
 141 522.9 56.8 85.2#

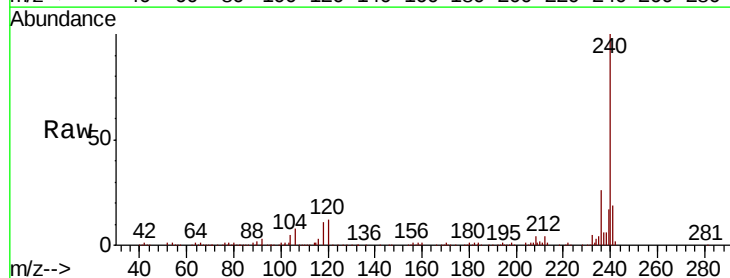


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

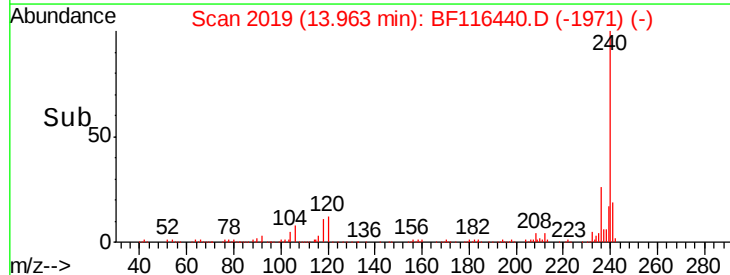
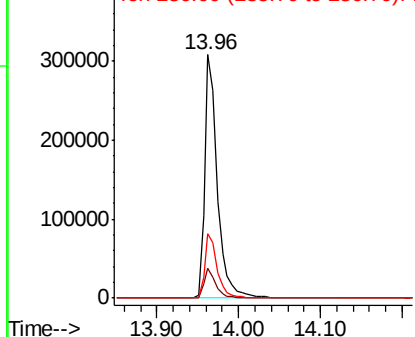


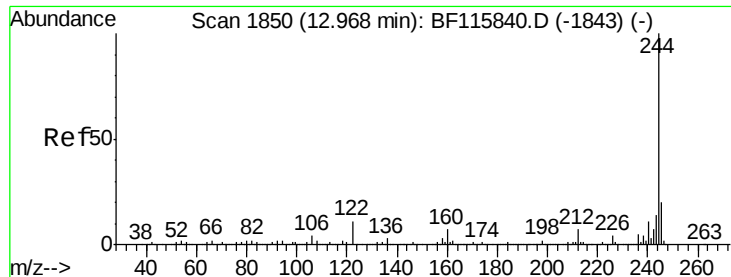
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.02 min
 Lab File: BF116440.D
 Acq: 20 Aug 2019 19:58

Tgt Ion:240 Resp: 332066
 Ion Ratio Lower Upper
 240 100
 120 12.2 10.7 16.1
 236 26.4 22.2 33.2



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: 90.415 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF116440.D

Acq: 20 Aug 2019 19:58

Instrument :

BNA_F

ClientSampleId :

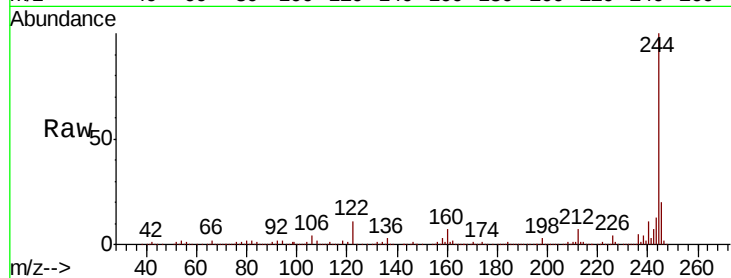
Tot Ion:244 Resp: 1424835

Ion Ratio Lower Upper

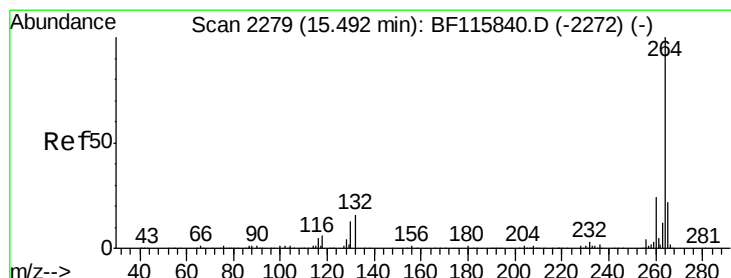
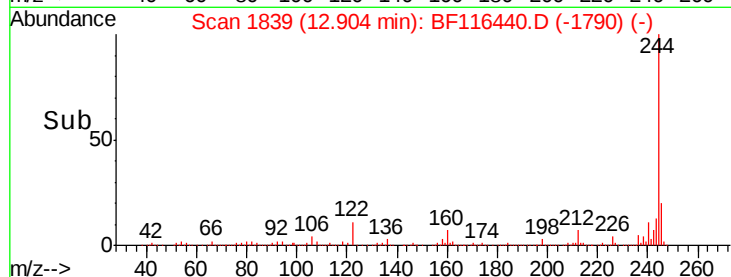
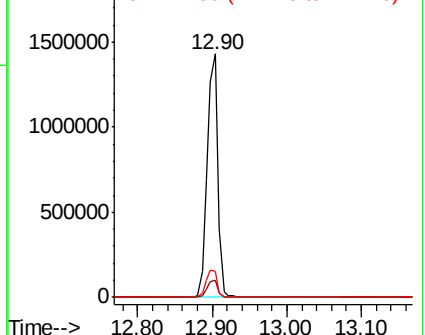
244 100

212 7.2 5.8 8.8

122 10.8 9.0 13.4



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: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF116440.D

Acq: 20 Aug 2019 19:58

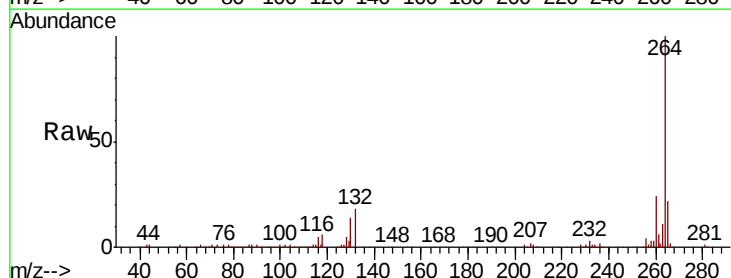
Tgt Ion:264 Resp: 333528

Ion Ratio Lower Upper

264 100

260 23.8 19.7 29.5

265 22.0 17.4 26.0



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

