

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081319\
 Data File : BF116223.D
 Acq On : 13 Aug 2019 11:23
 Operator : HP/JU
 Sample : PB122176TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB122176TB

Quant Time: Aug 13 23:16:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

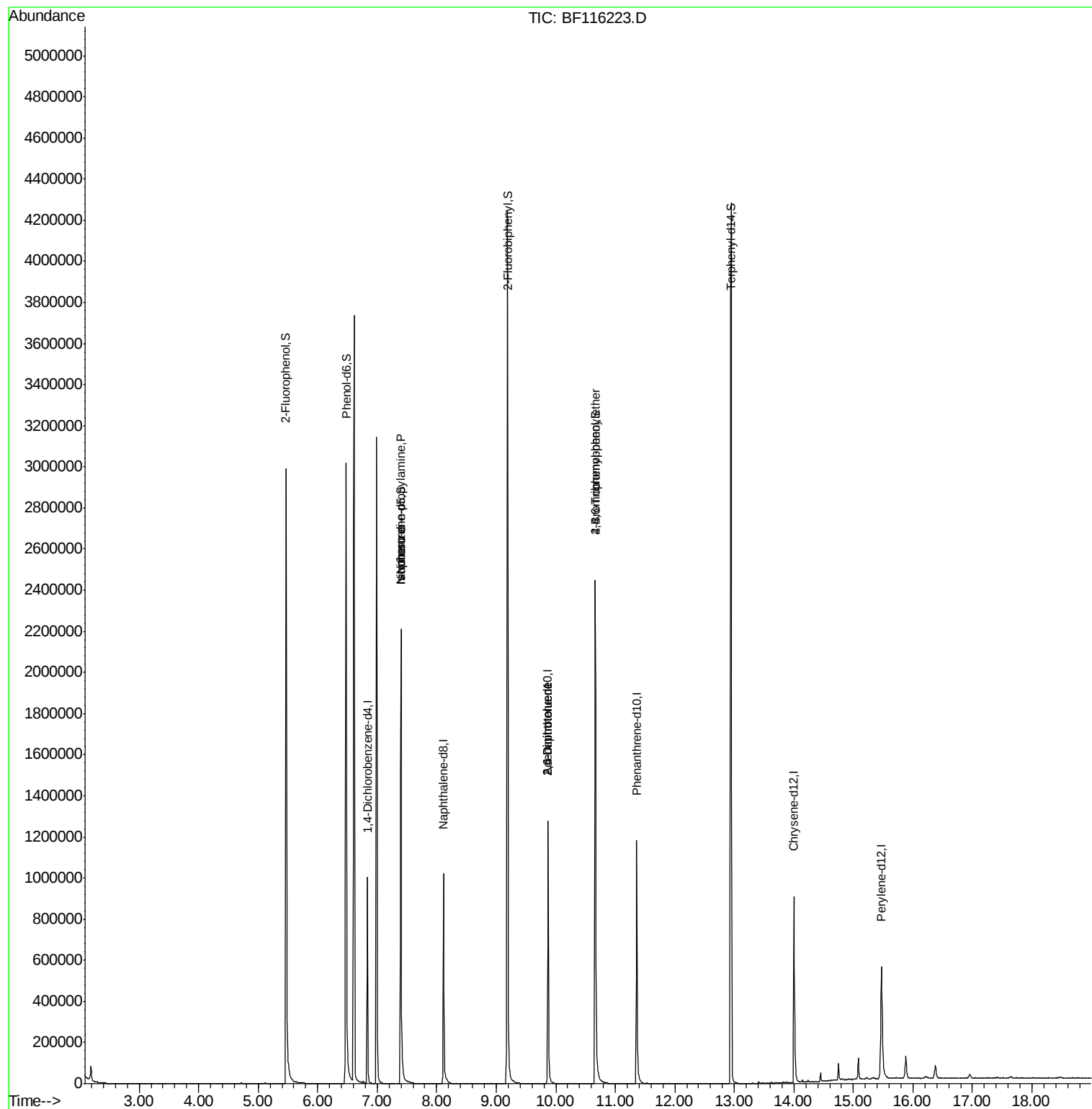
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	148970	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	580409	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	310246	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	549853	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	396801	20.00	ng	0.00
87) Perylene-d12	15.47	264	367225	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1066524	119.85	ng	0.00
7) Phenol-d6	6.48	99	1385650	123.42	ng	0.00
23) Nitrobenzene-d5	7.40	82	926598	92.15	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	384658	127.88	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1564679	94.47	ng	-0.01
79) Terphenyl-d14	12.94	244	1751398	93.01	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	122082	17.547	ng	# 79
25) Isophorone	7.40	82	913913	47.533	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	39676	8.643	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	39677	6.492	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	23162	3.935	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: 6.83 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF116223.D

Acq: 13 Aug 2019 11:23

Instrument :

BNA_F

ClientSampleId :

PB122176TB

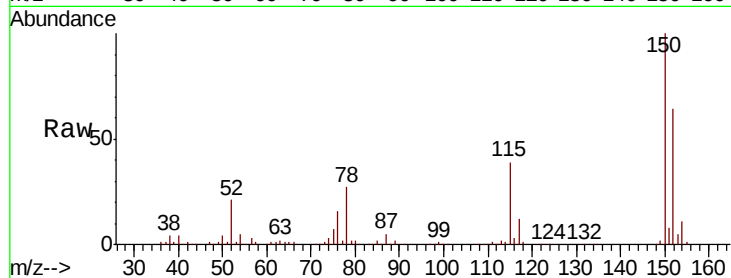
Tgt Ion:152 Resp: 148970

Ion Ratio Lower Upper

152 100

150 155.2 126.2 189.2

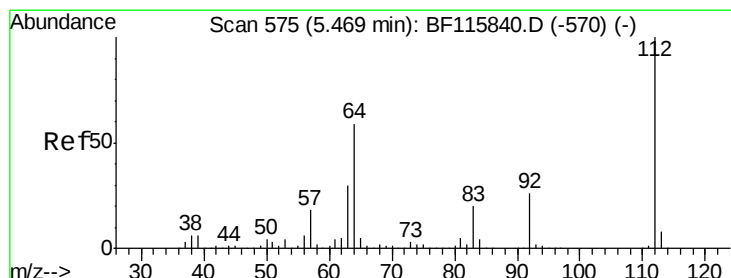
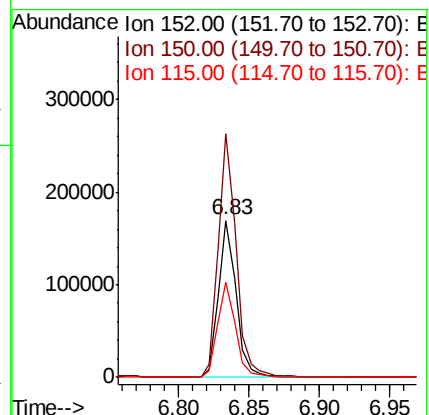
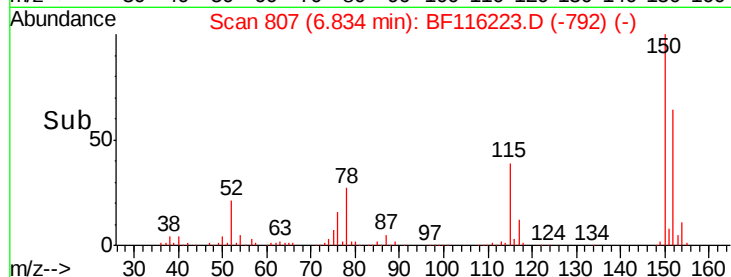
115 60.9 49.9 74.9



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: 119.851 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116223.D

Acq: 13 Aug 2019 11:23

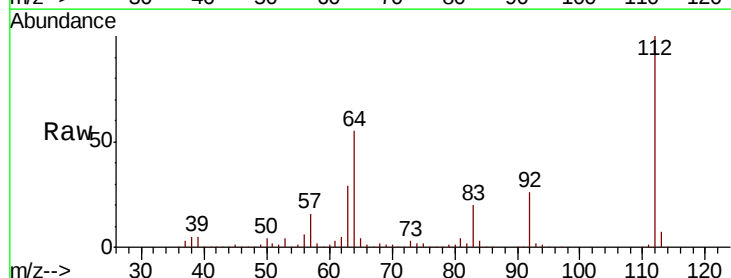
Tgt Ion:112 Resp: 1066524

Ion Ratio Lower Upper

112 100

64 55.4 45.4 68.2

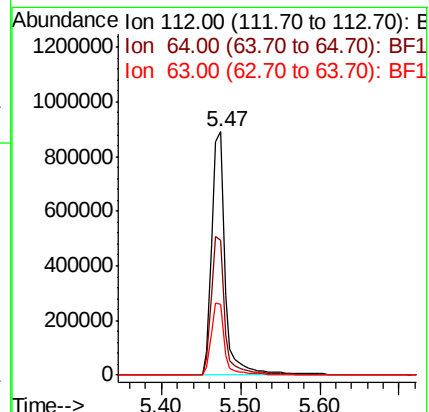
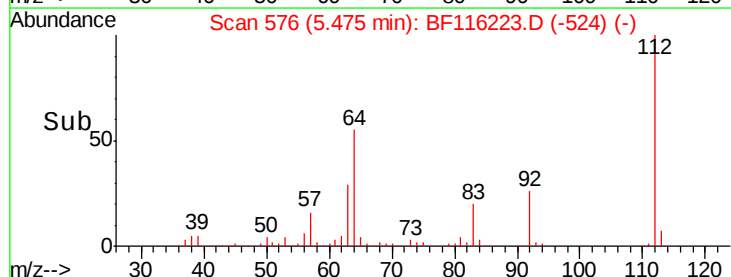
63 29.3 23.7 35.5



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: 123.418 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116223.D

Acq: 13 Aug 2019 11:23

Instrument :

BNA_F

ClientSampleId :

PB122176TB

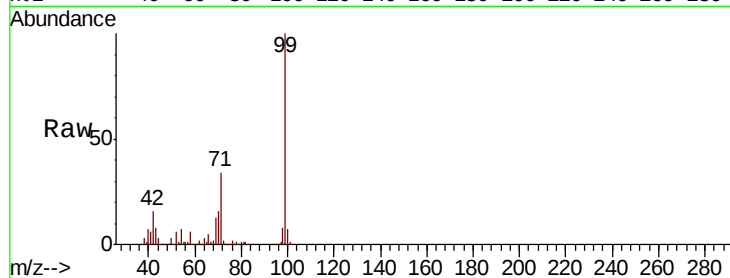
Tgt Ion: 99 Resp: 1385650

Ion Ratio Lower Upper

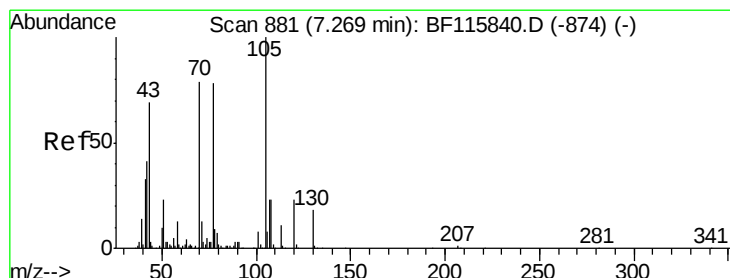
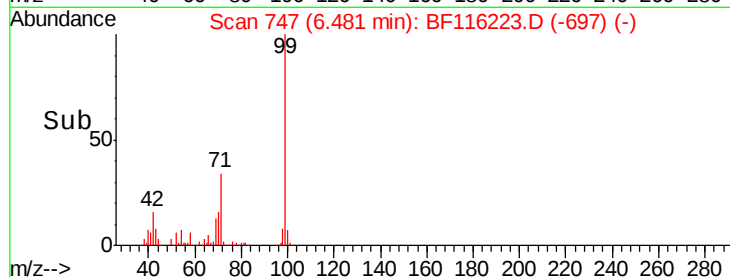
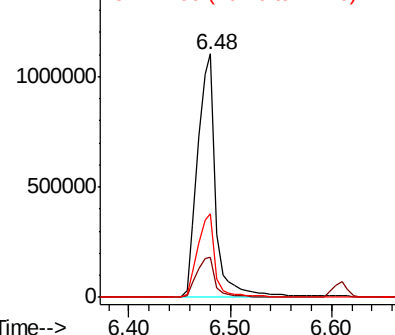
99 100

42 16.5 13.8 20.8

71 34.3 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: 17.547 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116223.D

Acq: 13 Aug 2019 11:23

Tgt Ion: 70 Resp: 122082

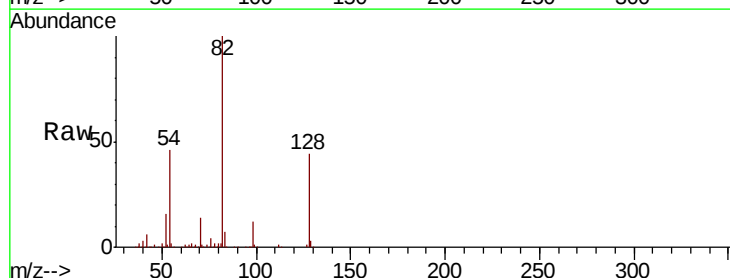
Ion Ratio Lower Upper

70 100

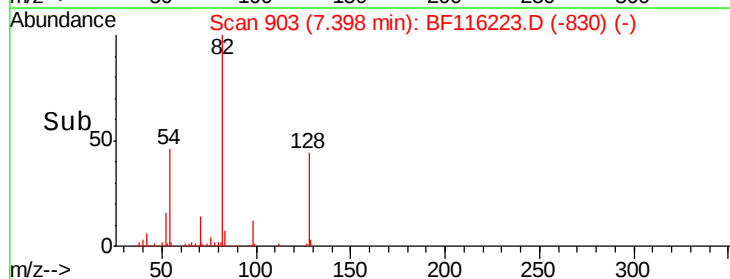
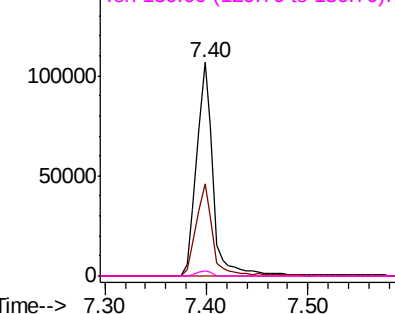
42 43.2 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116223.D

Acq: 13 Aug 2019 11:23

Instrument :

BNA_F

ClientSampleId :

PB122176TB

Tgt Ion:136 Resp: 580409

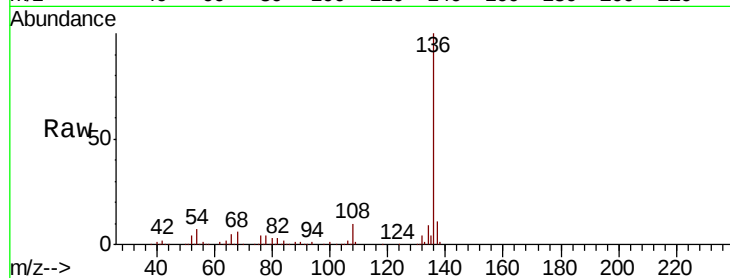
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.8 5.8 8.6

68 6.2 5.2 7.8

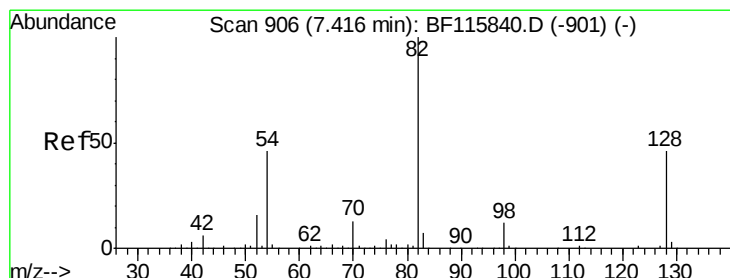
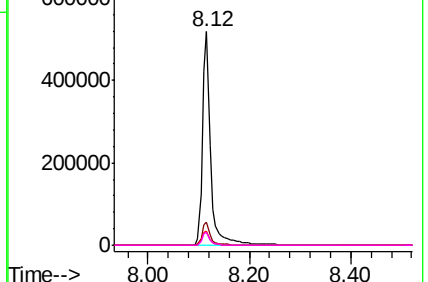
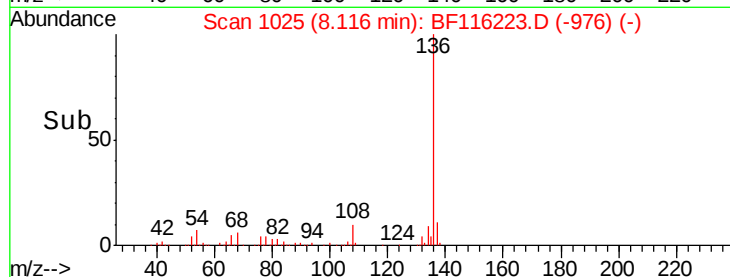


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.152 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116223.D

Acq: 13 Aug 2019 11:23

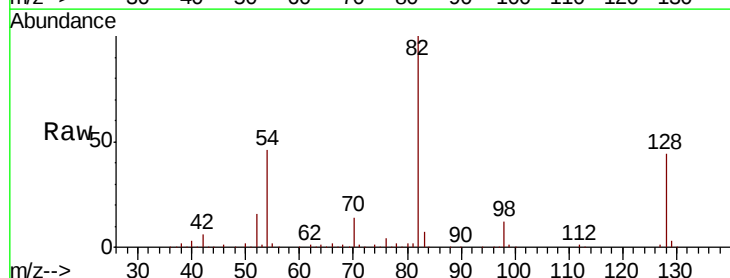
Tgt Ion: 82 Resp: 926598

Ion Ratio Lower Upper

82 100

128 44.4 36.5 54.7

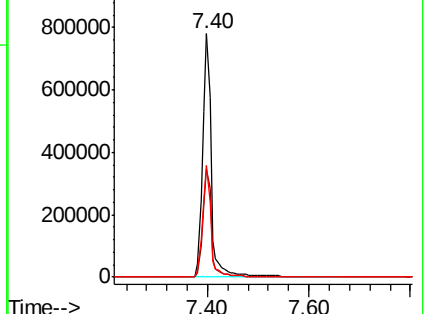
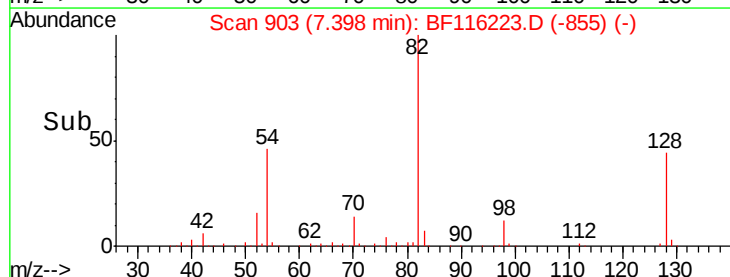
54 45.7 36.0 54.0



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: 47.533 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116223.D

Acq: 13 Aug 2019 11:23

Instrument :

BNA_F

ClientSampleId :

PB122176TB

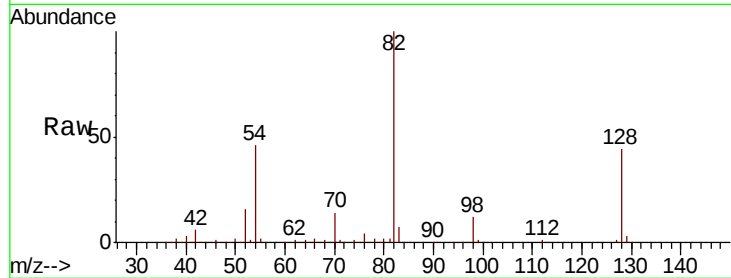
Tgt Ion: 82 Resp: 913913

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

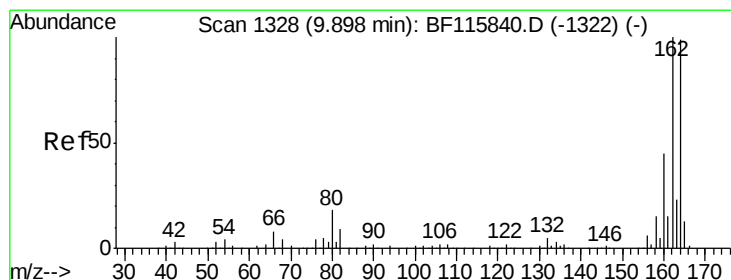
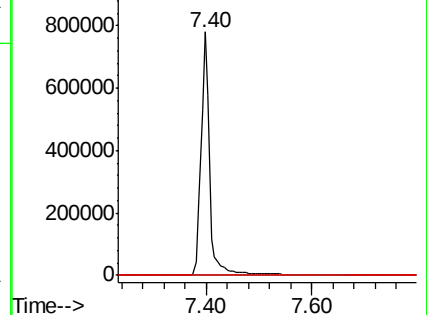
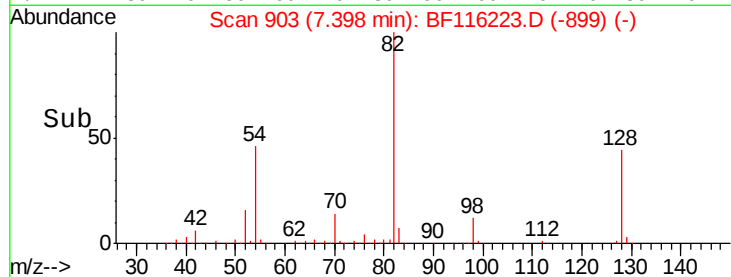
138 0.0 14.5 21.7#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116223.D

Acq: 13 Aug 2019 11:23

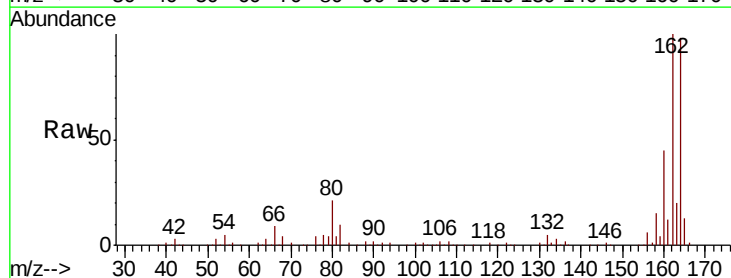
Tgt Ion: 164 Resp: 310246

Ion Ratio Lower Upper

164 100

162 101.9 82.6 124.0

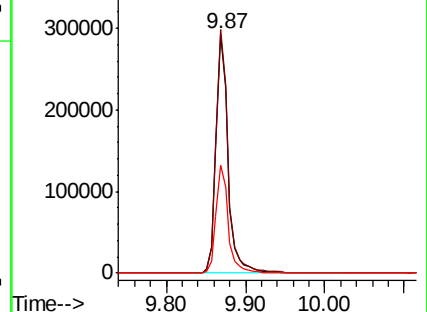
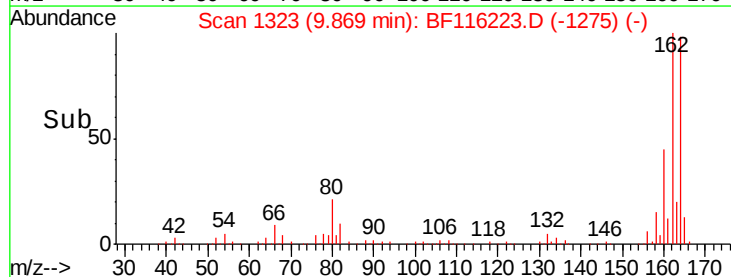
160 45.4 37.6 56.4



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

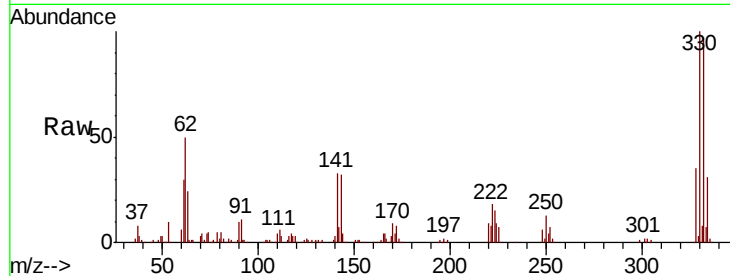




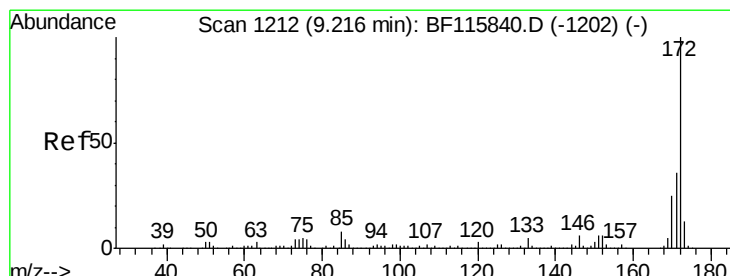
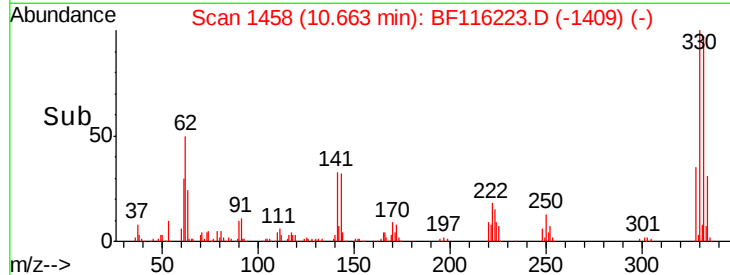
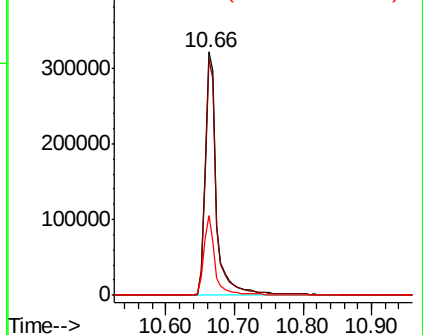
#42
 2,4,6-Tribromophenol
 Concen: 127.882 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116223.D
 Acq: 13 Aug 2019 11:23

Instrument :
 BNA_F
 ClientSampleId :
 PB122176TB

Tgt Ion:330 Resp: 384658
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.8 115.2
 141 33.1 26.3 39.5

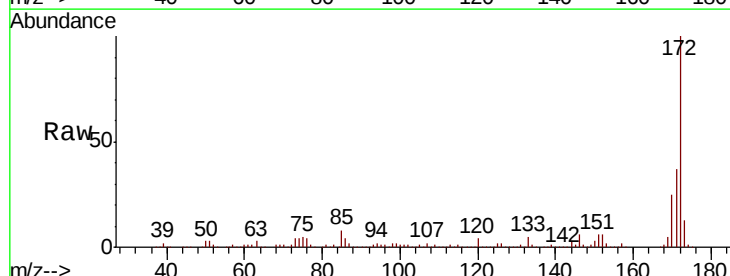


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

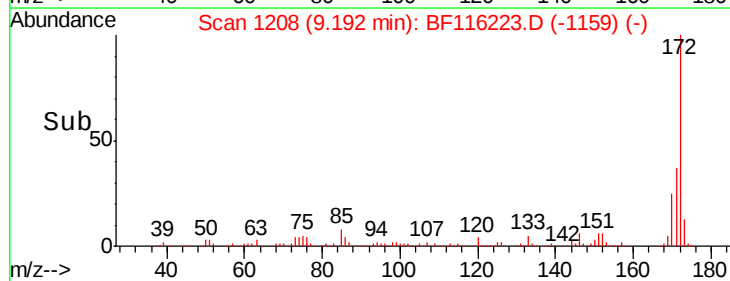
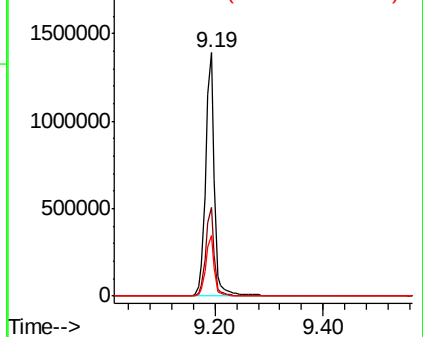


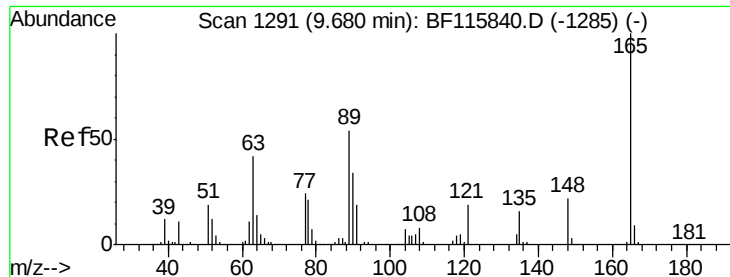
#45
 2-Fluorobiphenyl
 Concen: 94.466 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116223.D
 Acq: 13 Aug 2019 11:23

Tgt Ion:172 Resp: 1564679
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 25.0 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

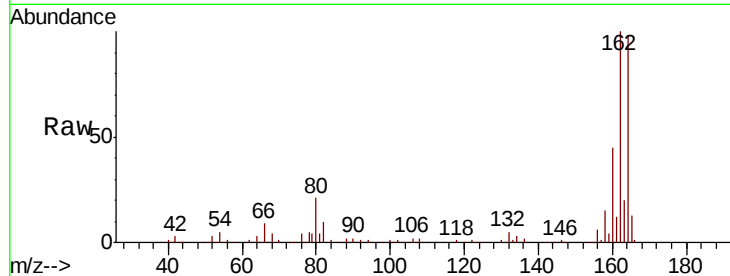




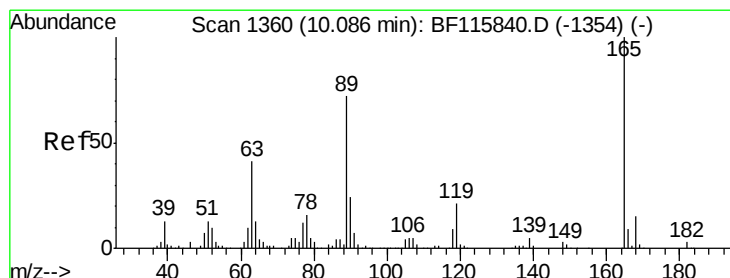
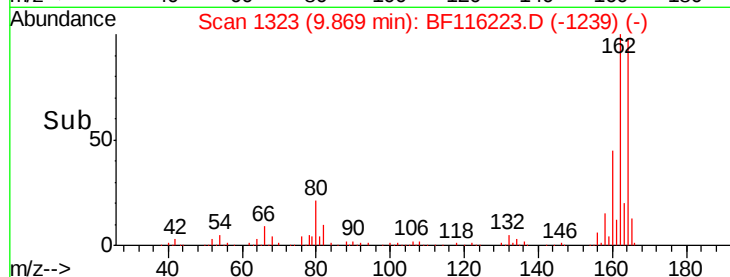
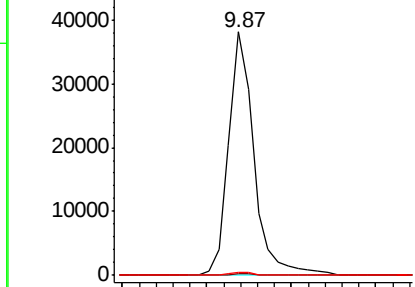
#51
 2,6-Dinitrotoluene
 Concen: 8.643 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116223.D
 Acq: 13 Aug 2019 11:23

Instrument :
 BNA_F
 ClientSampleId :
 PB122176TB

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	38.2	57.2#
89	1.1	42.9	64.3#



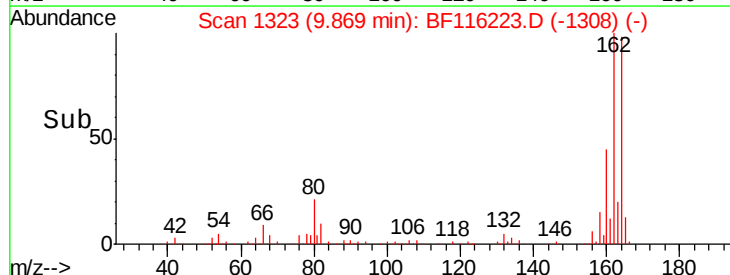
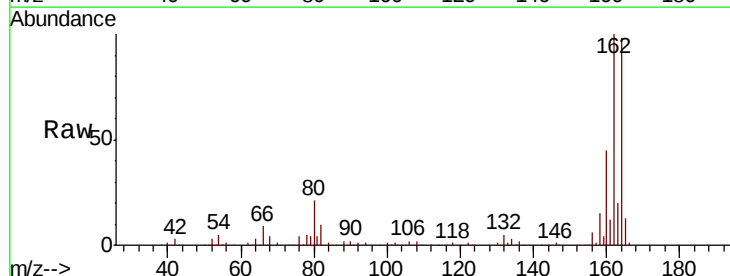
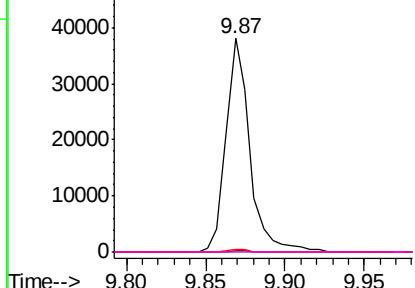
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 6.492 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116223.D
 Acq: 13 Aug 2019 11:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	39.6	59.4#
89	1.1	62.2	93.2#
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

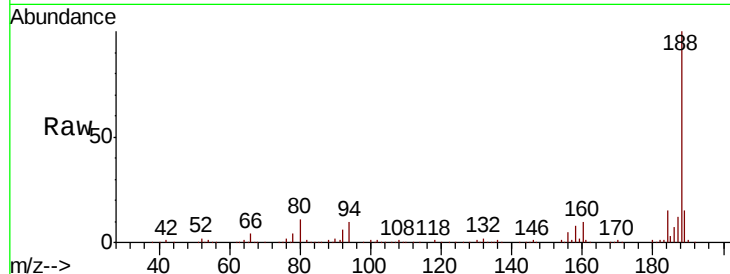




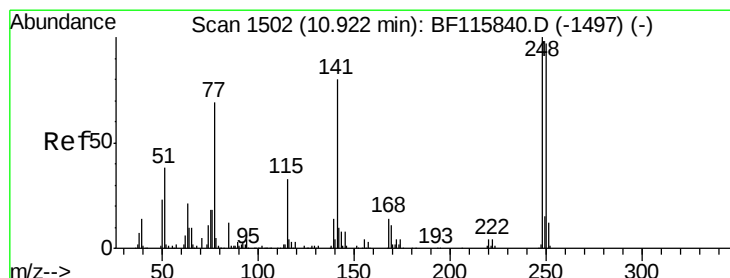
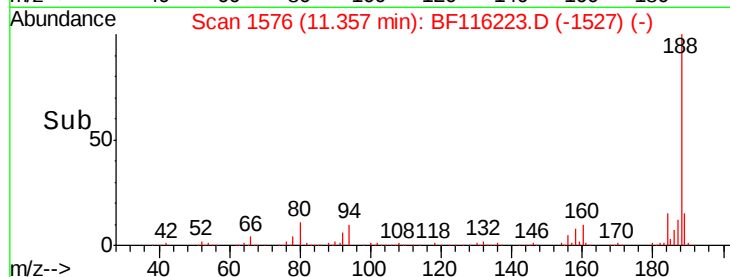
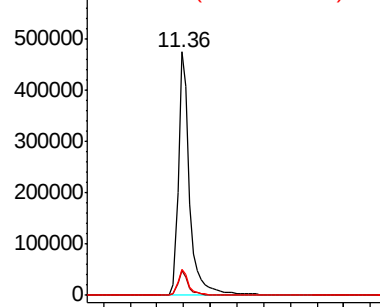
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116223.D
 Acq: 13 Aug 2019 11:23

Instrument :
 BNA_F
 ClientSampleId :
 PB122176TB

Tgt Ion:188 Resp: 549853
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.1 12.1
 80 10.9 8.7 13.1

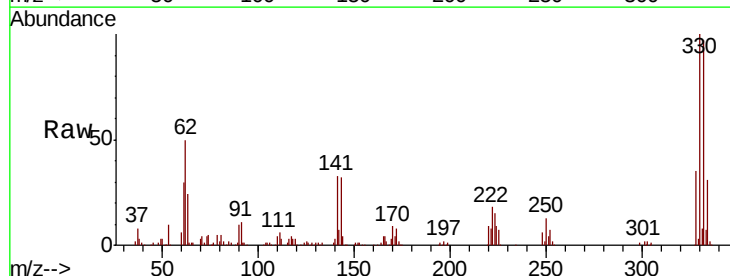


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

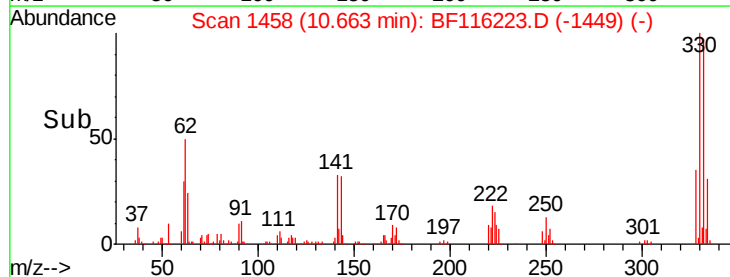
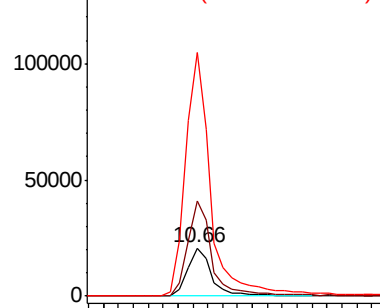


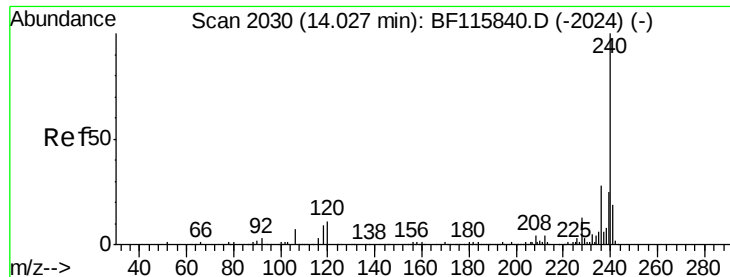
#67
 4-Bromophenyl-phenylether
 Concen: 3.935 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116223.D
 Acq: 13 Aug 2019 11:23

Tgt Ion:248 Resp: 23162
 Ion Ratio Lower Upper
 248 100
 250 198.7 77.4 116.2#
 141 506.0 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

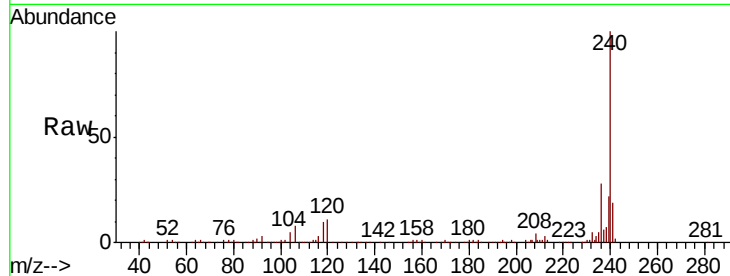




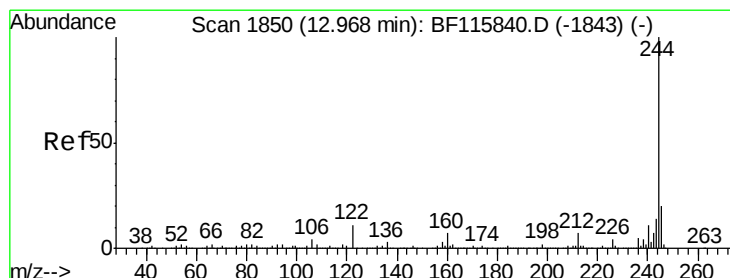
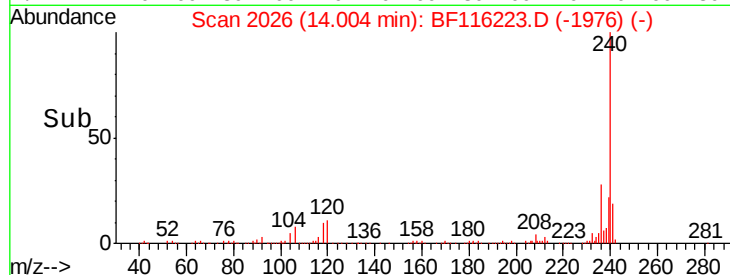
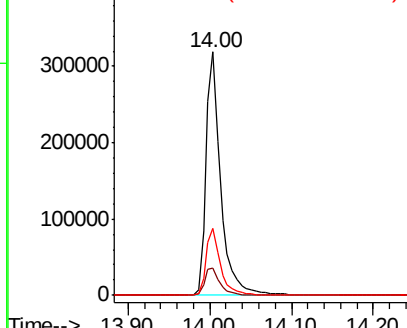
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116223.D
Acq: 13 Aug 2019 11:23

Instrument :
BNA_F
ClientSampleId :
PB122176TB

Tgt Ion:240 Resp: 396801
Ion Ratio Lower Upper
240 100
120 11.0 10.7 16.1
236 27.8 22.2 33.2

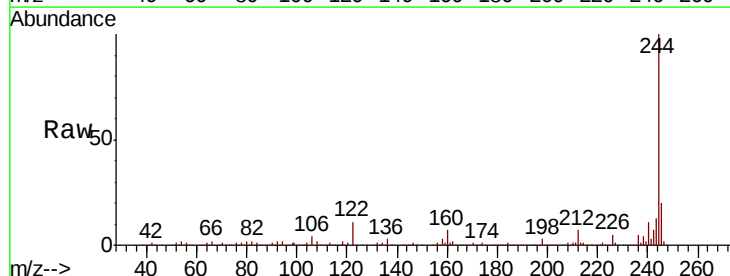


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

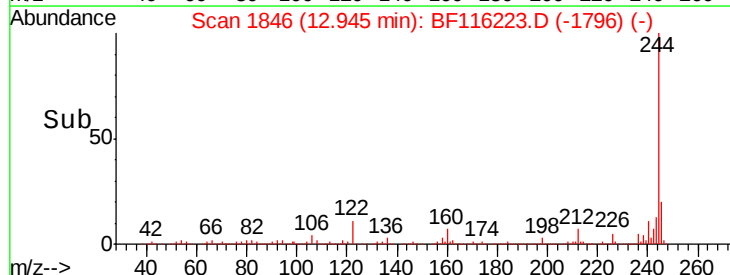
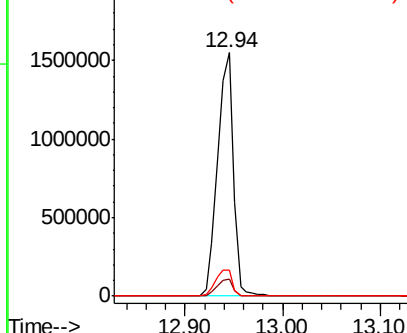


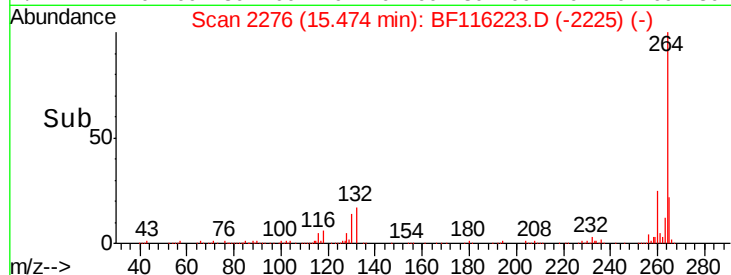
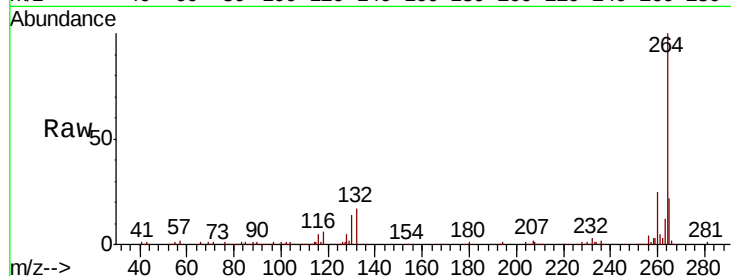
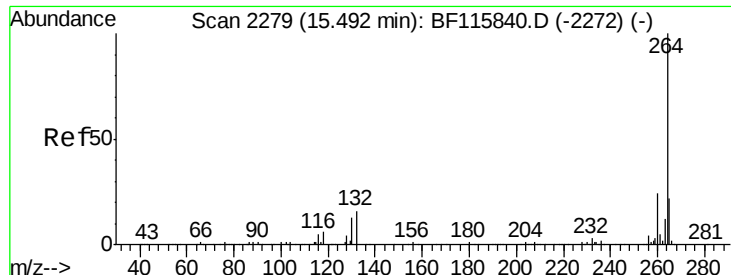
#79
Terphenyl-d14
Concen: 93.006 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116223.D
Acq: 13 Aug 2019 11:23

Tgt Ion:244 Resp: 1751398
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 10.9 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: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF116223.D
Acq: 13 Aug 2019 11:23

Instrument :
BNA_F
ClientSampleId :
PB122176TB

Tgt Ion:	264	Resp:	367225
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.7	29.5
265	22.2	17.4	26.0

