

Data File : BF116736.D
Acq On : 1 Sep 2019 9:57
Operator : HP/JU
Sample : K4580-23
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T12-B1-B4-(0-3.5)

Quant Time: Sep 02 05:47:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	117788	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	463685	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	237389	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	383315	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	250553	20.00	ng	-0.01
87) Perylene-d12	15.44	264	296017	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	888919	122.26	ng	0.00
7) Phenol-d6	6.47	99	1058017	110.82	ng	0.00
23) Nitrobenzene-d5	7.40	82	818544	100.78	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	250985	158.15	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1333860	94.78	ng	-0.01
79) Terphenyl-d14	12.95	244	1295440	95.65	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	106204	16.895	ng	# 72
25) Isophorone	7.40	82	816371	49.601	ng	# 66
50) Dimethylphthalate	9.59	163	59433	3.626	ng	99
51) 2,6-Dinitrotoluene	9.87	165	30239	9.670	ng	# 21
57) 2,4-Dinitrotoluene	9.87	165	30239	7.909	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	592	7.805	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	16729	4.296	ng	# 1

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

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T12-B1-B4-(0-3.5)

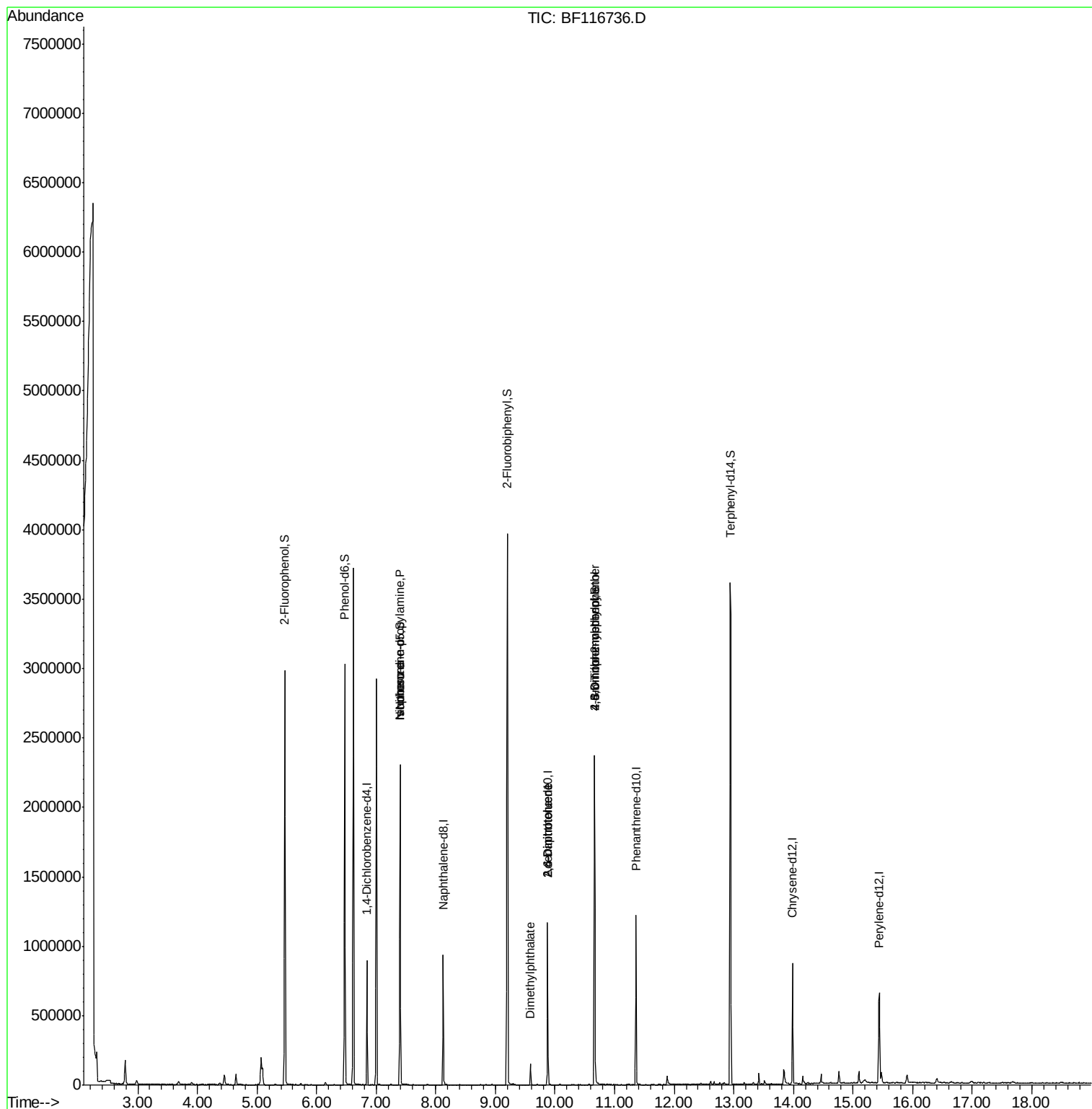
Quant Time: Sep 02 05:47:56 2019

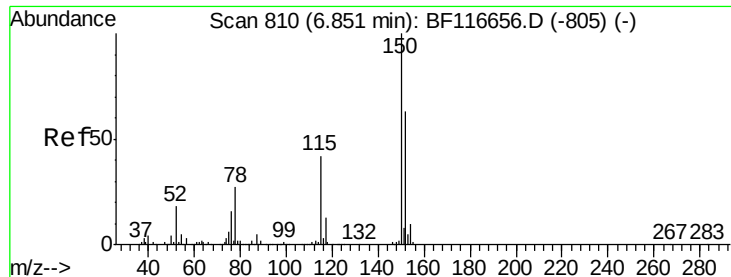
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Aug 30 20:02:30 2019

Response via : Initial Calibration



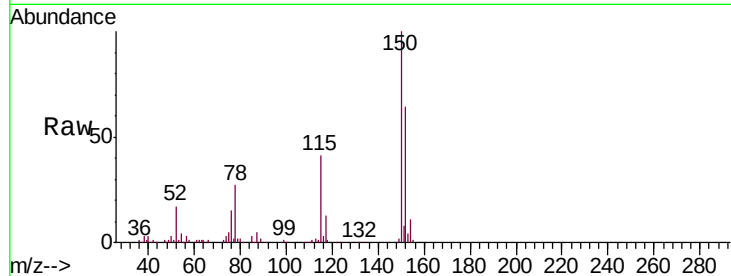


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF116736.D
 Acq: 1 Sep 2019 9:57

Instrument :
 BNA_F
 ClientSampleId :
 T12-B1-B4-(0-3.5)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.4	186.6
115	64.2	49.9	74.9

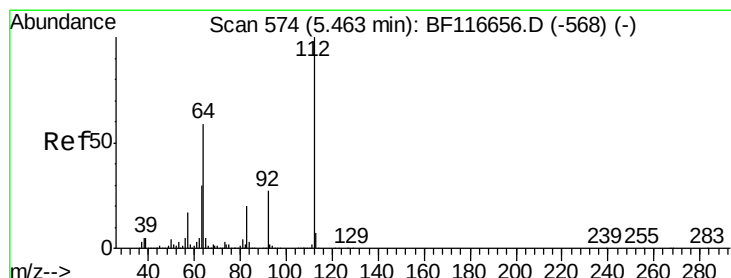
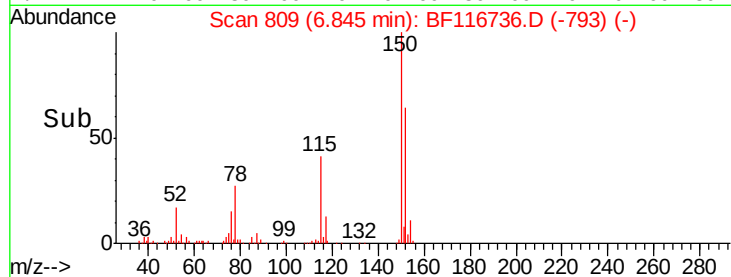
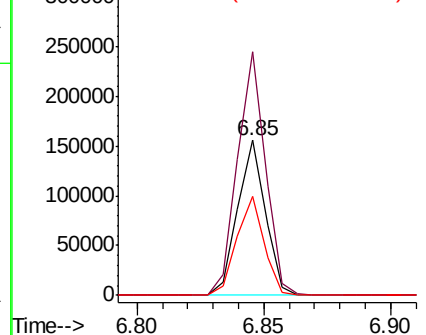


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

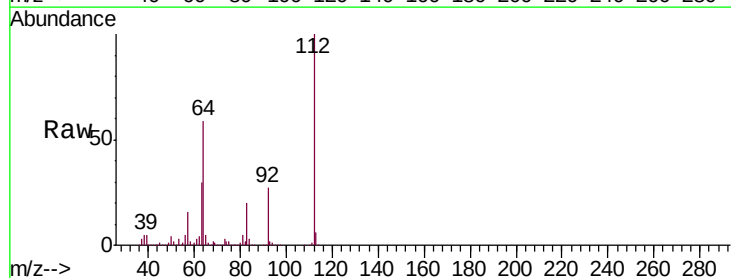
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 122.262 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF116736.D
 Acq: 1 Sep 2019 9:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.1	70.7
63	30.4	24.9	37.3

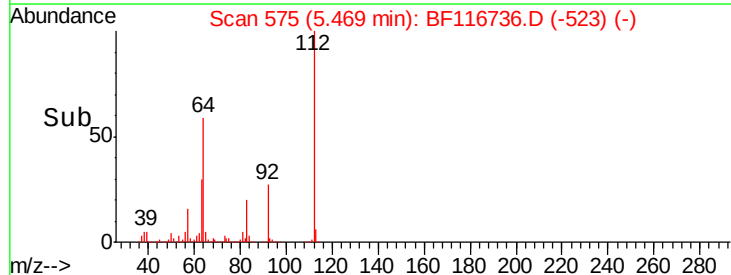
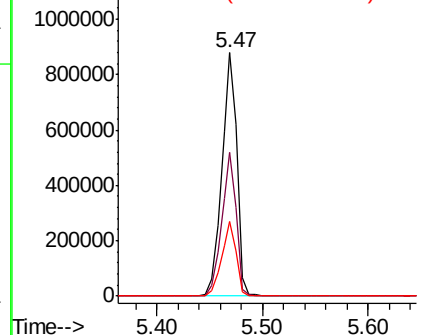


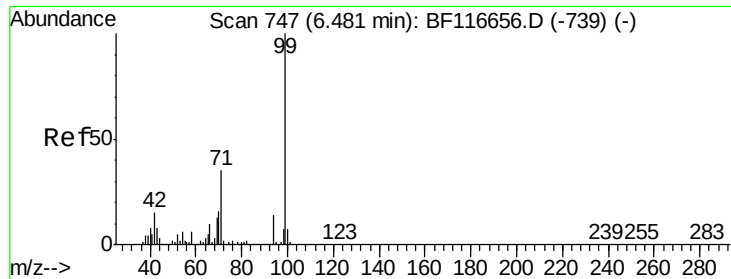
Abundance

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: 110.821 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116736.D

Acq: 1 Sep 2019 9:57

Instrument :

BNA_F

ClientSampleId :

T12-B1-B4-(0-3.5)

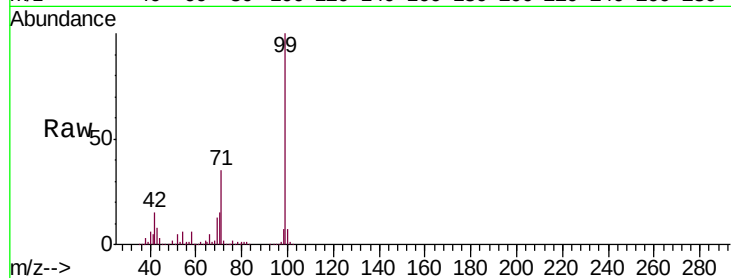
Tgt Ion: 99 Resp: 1058017

Ion Ratio Lower Upper

99 100

42 15.1 13.7 20.5

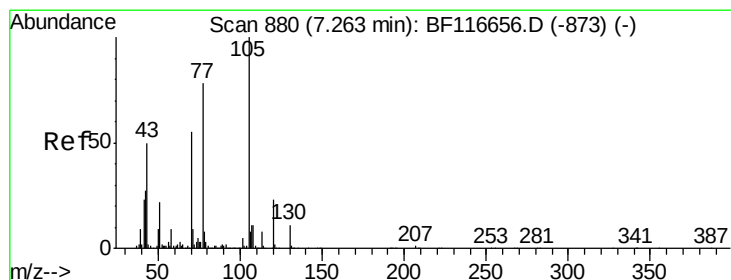
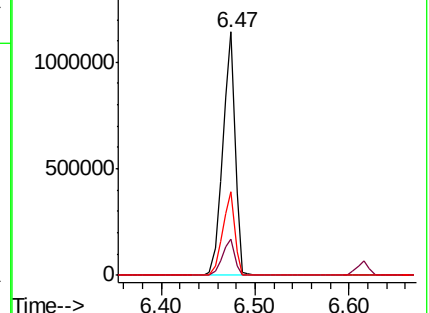
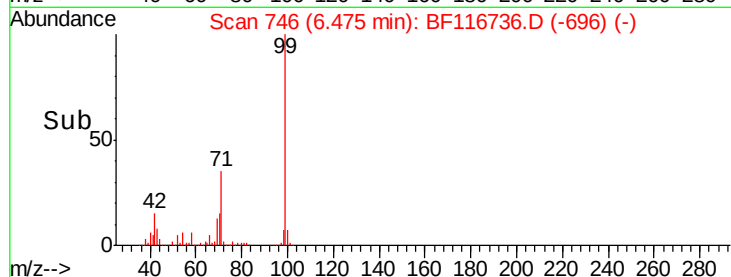
71 34.6 30.8 46.2



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: 16.895 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116736.D

Acq: 1 Sep 2019 9:57

Tgt Ion: 70 Resp: 106204

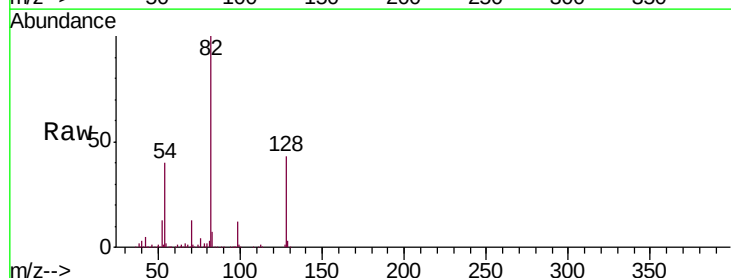
Ion Ratio Lower Upper

70 100

42 37.2 43.5 65.3#

101 0.0 7.8 11.6#

130 2.3 16.6 24.8#

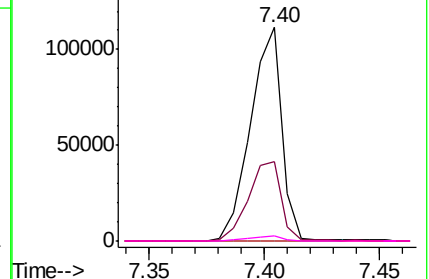
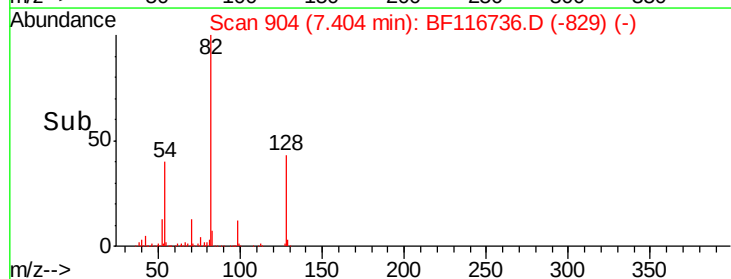


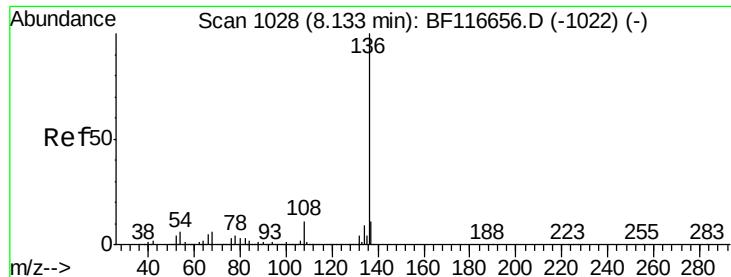
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

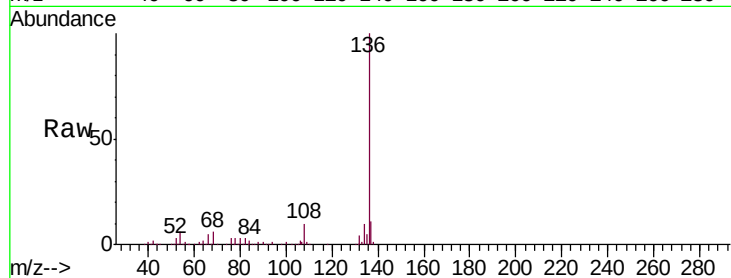




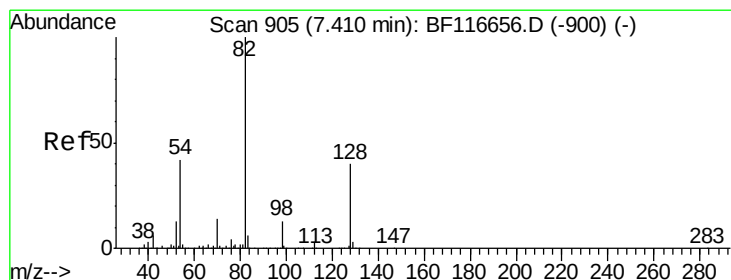
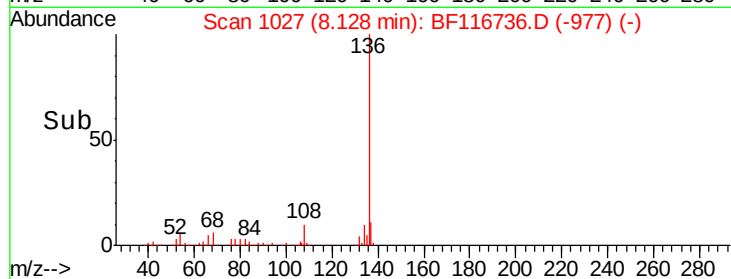
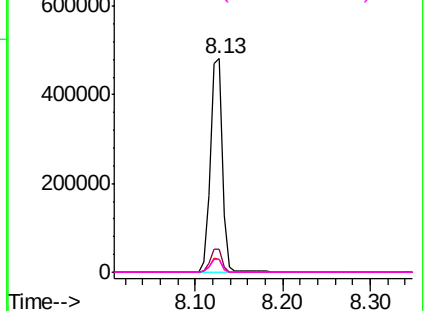
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116736.D
Acq: 1 Sep 2019 9:57

Instrument :
BNA_F
ClientSampleId :
T12-B1-B4-(0-3.5)

Tgt Ion:	136	Resp:	463685
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	5.8	4.8	7.2
68	5.7	4.0	6.0

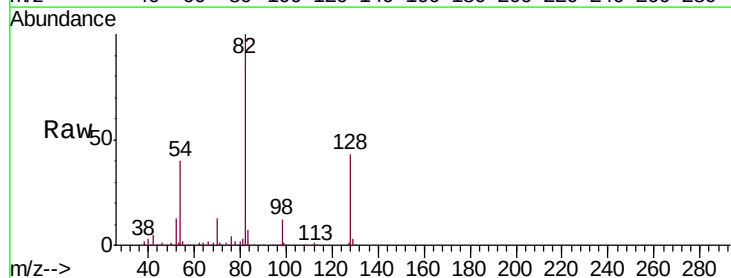


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

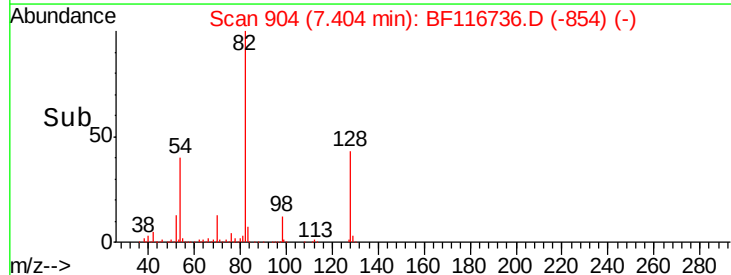
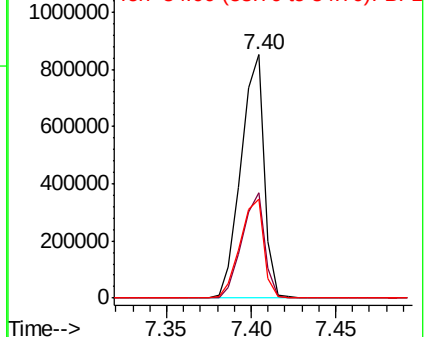


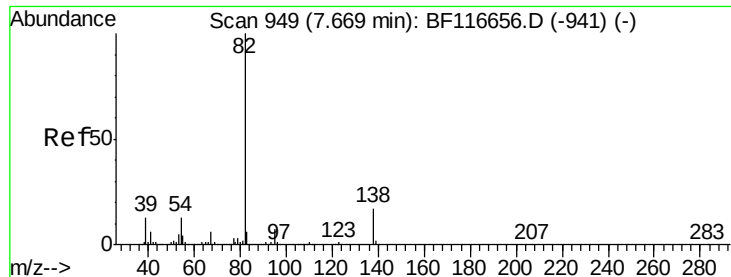
#23
Nitrobenzene-d5
Concen: 100.776 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116736.D
Acq: 1 Sep 2019 9:57

Tgt Ion:	82	Resp:	818544
Ion Ratio	Lower	Upper	
82	100		
128	43.5	32.8	49.2
54	40.5	36.9	55.3



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: 49.601 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116736.D

Acq: 1 Sep 2019 9:57

Instrument :

BNA_F

ClientSampleId :

T12-B1-B4-(0-3.5)

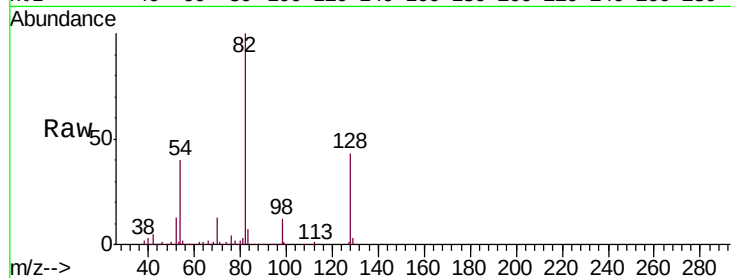
Tgt Ion: 82 Resp: 816371

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

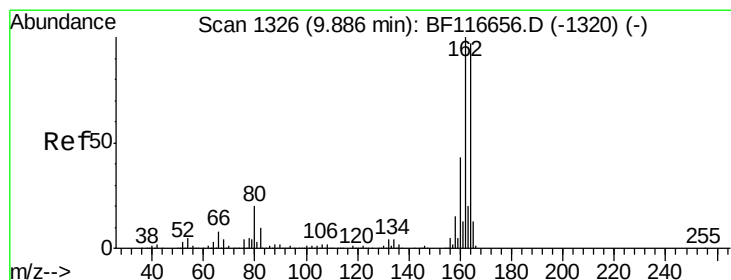
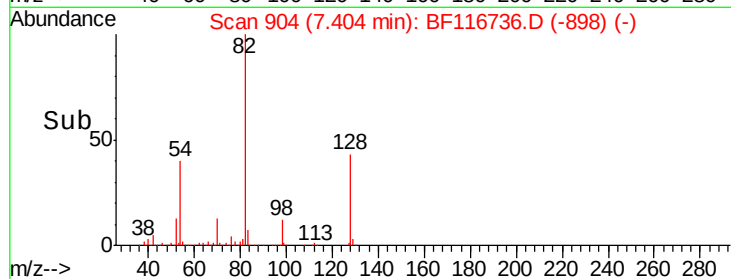
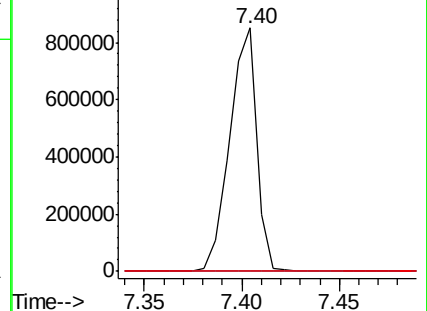
138 0.0 13.5 20.3#



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# 1324

Delta R.T. -0.01 min

Lab File: BF116736.D

Acq: 1 Sep 2019 9:57

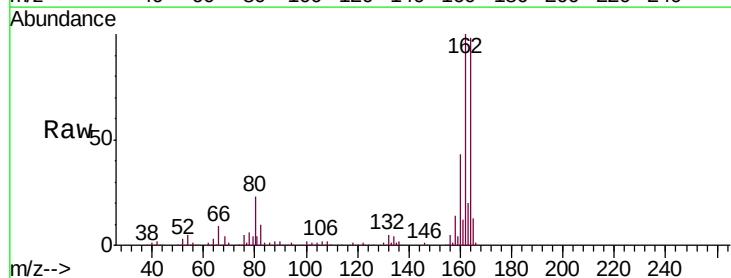
Tgt Ion: 164 Resp: 237389

Ion Ratio Lower Upper

164 100

162 101.7 81.4 122.0

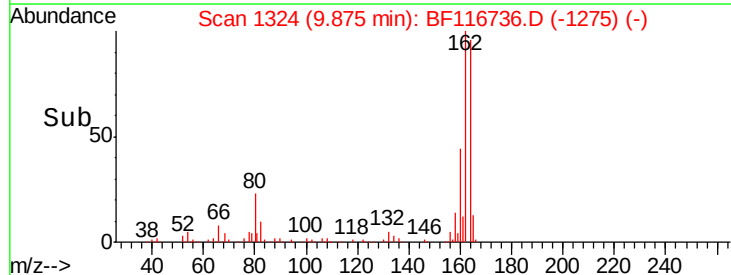
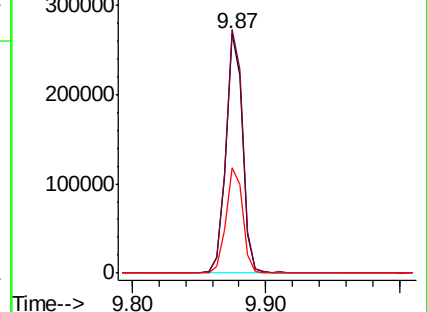
160 44.2 35.4 53.2

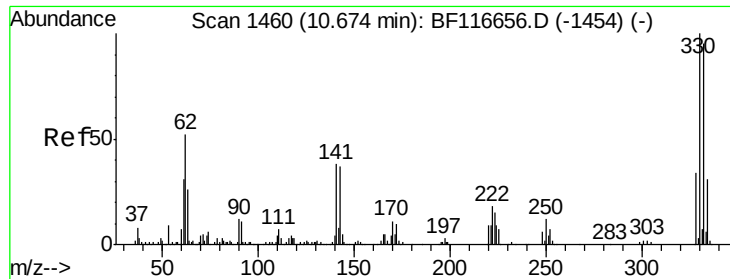


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

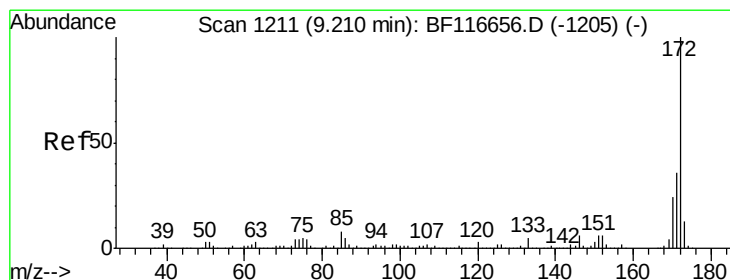
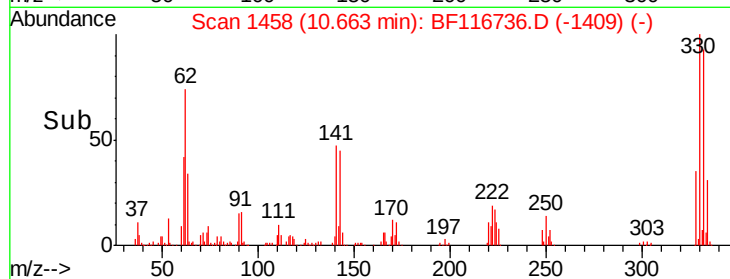
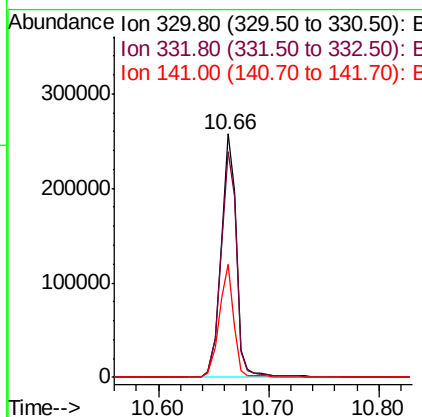
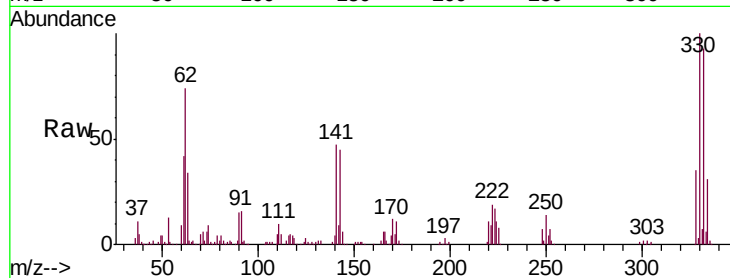




#42
 2,4,6-Tribromophenol
 Concen: 158.151 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116736.D
 Acq: 1 Sep 2019 9:57

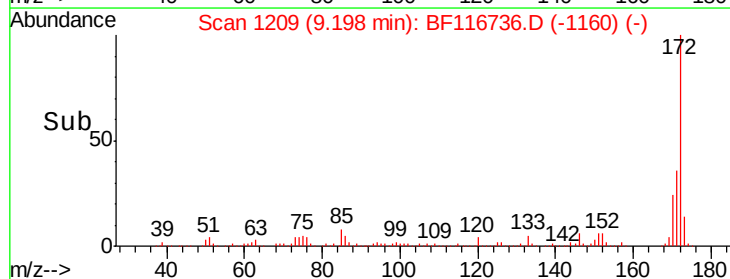
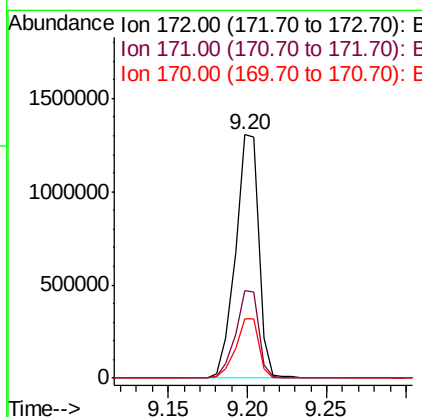
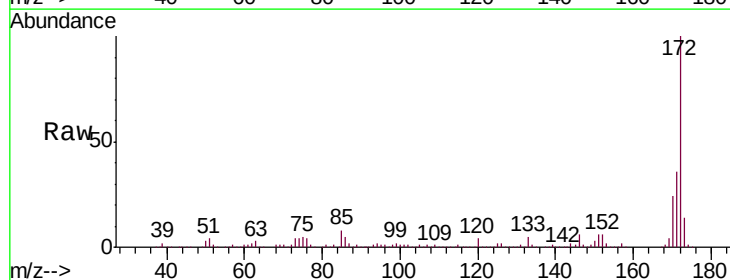
Instrument :
 BNA_F
 ClientSampleId :
 T12-B1-B4-(0-3.5)

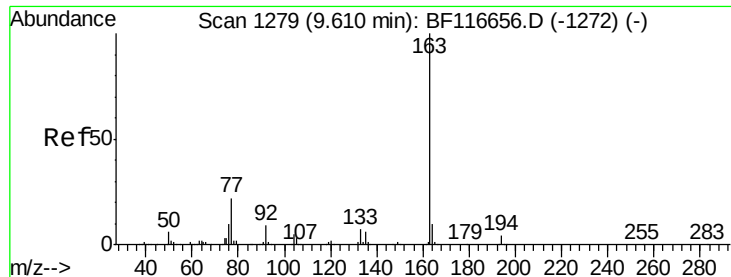
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.9	115.3
141	44.0	31.4	47.2



#45
 2-Fluorobiphenyl
 Concen: 94.785 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116736.D
 Acq: 1 Sep 2019 9:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.8	41.6
170	24.5	18.9	28.3





#50

Dimethylphthalate

Concen: 3.626 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116736.D

Acq: 1 Sep 2019 9:57

Instrument :

BNA_F

ClientSampleId :

T12-B1-B4-(0-3.5)

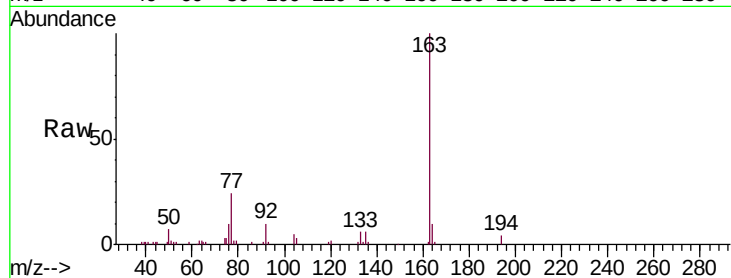
Tgt Ion:163 Resp: 59433

Ion Ratio Lower Upper

163 100

194 3.8 2.8 4.2

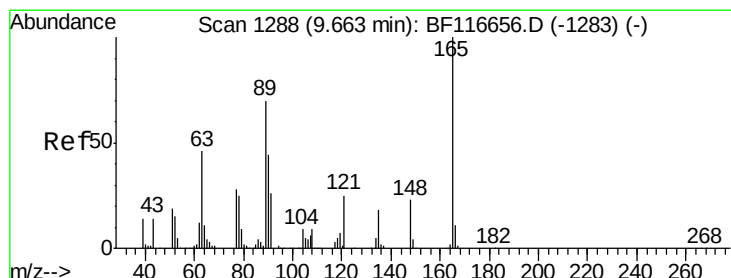
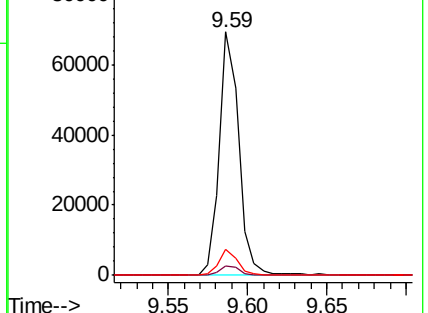
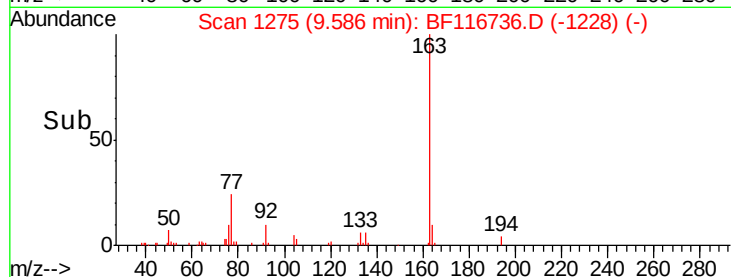
164 10.5 8.6 12.8



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: 9.670 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF116736.D

Acq: 1 Sep 2019 9:57

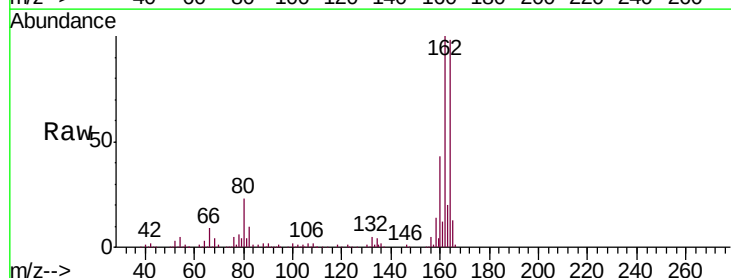
Tgt Ion:165 Resp: 30239

Ion Ratio Lower Upper

165 100

63 1.1 47.3 70.9#

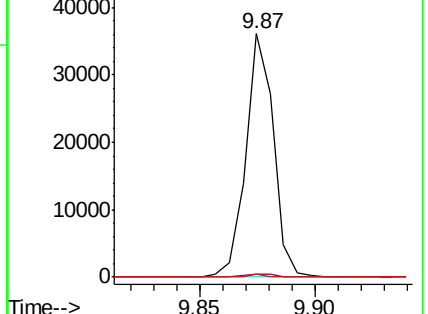
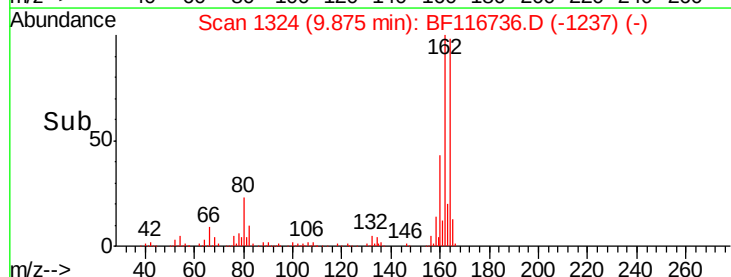
89 1.4 52.5 78.7#

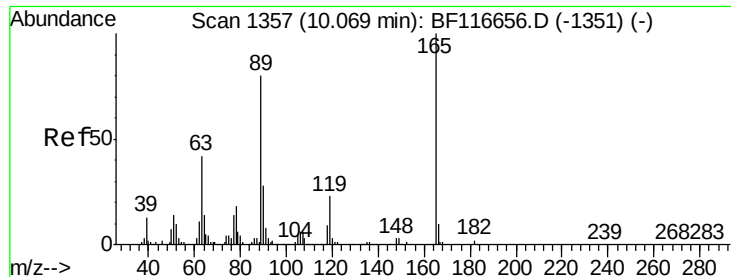


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

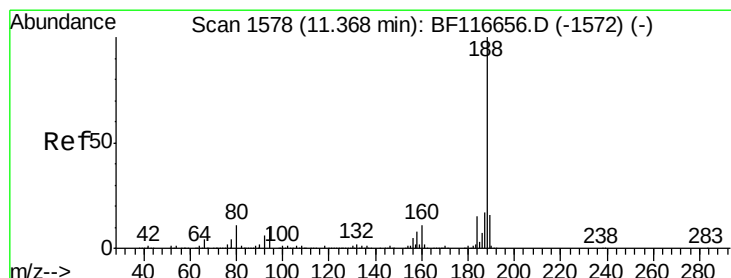
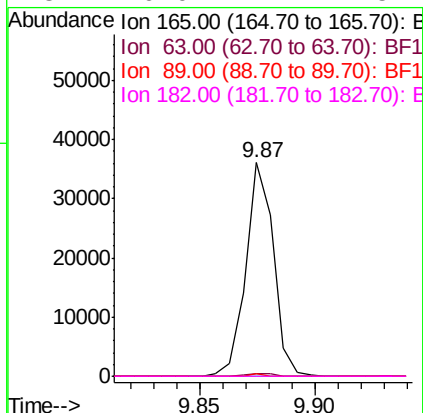
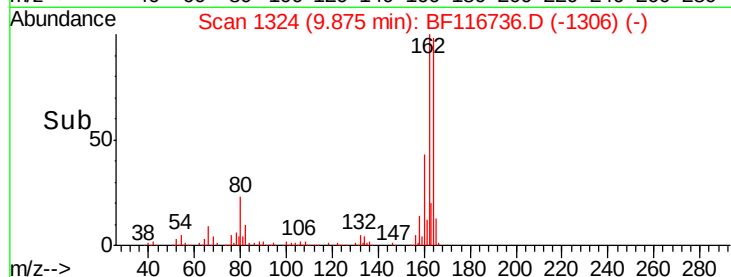
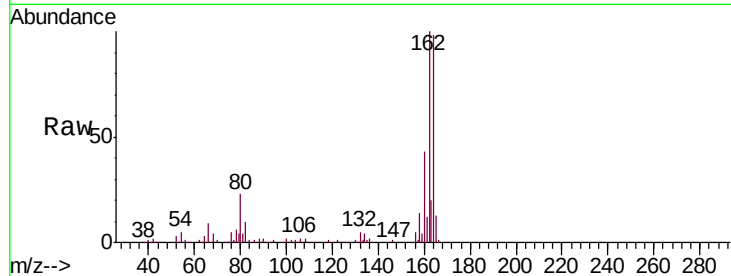




#57
 2,4-Dinitrotoluene
 Concen: 7.909 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.19 min
 Lab File: BF116736.D
 Acq: 1 Sep 2019 9:57

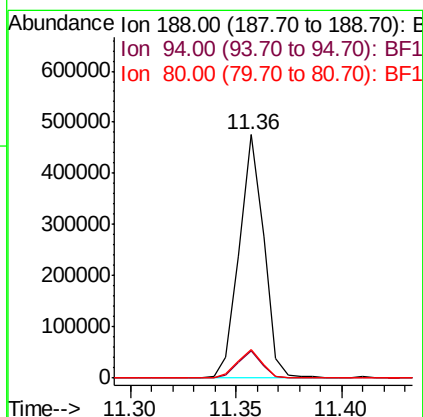
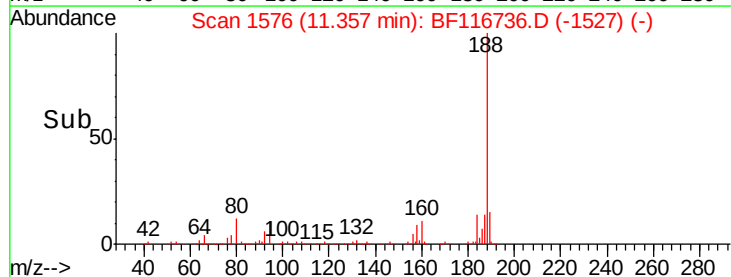
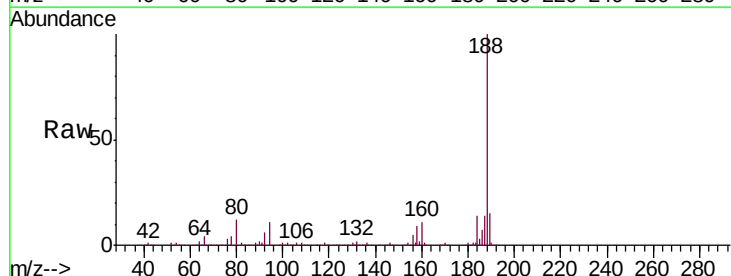
Instrument :
 BNA_F
 ClientSampleId :
 T12-B1-B4-(0-3.5)

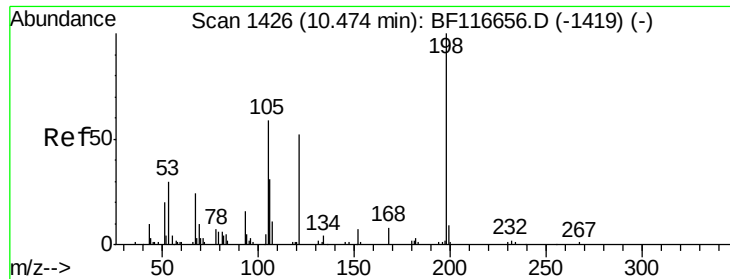
Tgt Ion:	165	Resp:	30239
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.4	62.6	94.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116736.D
 Acq: 1 Sep 2019 9:57

Tgt Ion:	188	Resp:	383315
Ion	Ratio	Lower	Upper
188	100		
94	11.1	7.3	10.9#
80	11.9	8.4	12.6

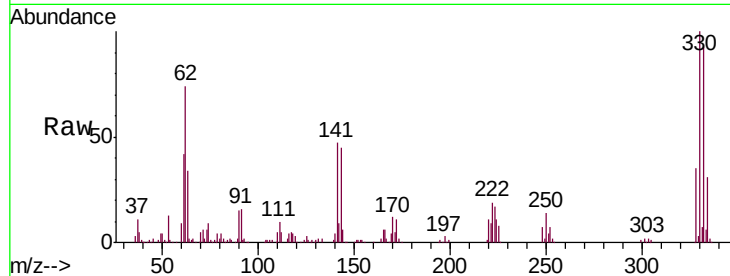




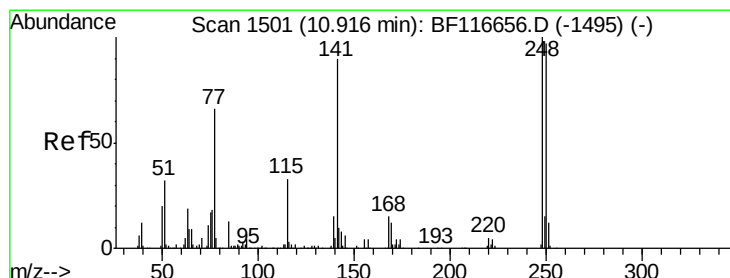
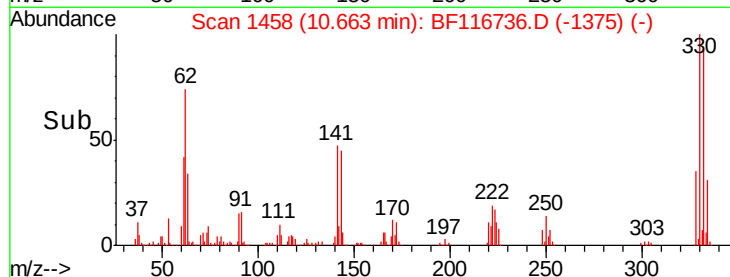
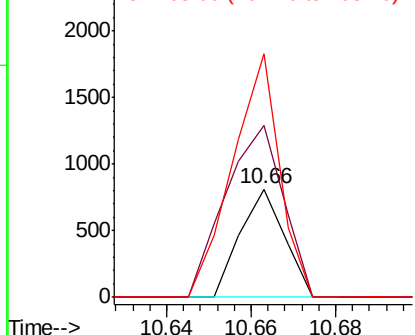
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.805 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.19 min
 Lab File: BF116736.D
 Acq: 1 Sep 2019 9:57

Instrument :
 BNA_F
 ClientSampleId :
 T12-B1-B4-(0-3.5)

Tgt Ion:198 Resp: 592
 Ion Ratio Lower Upper
 198 100
 51 159.0 18.4 58.4#
 105 225.1 22.9 62.9#

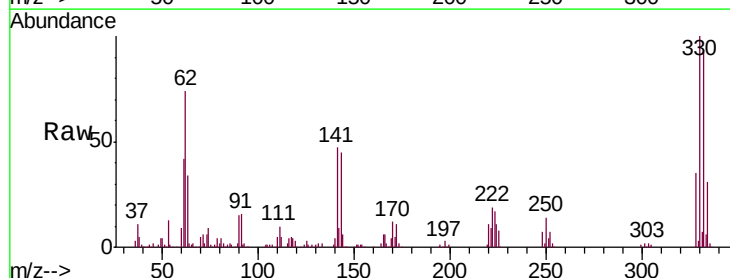


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

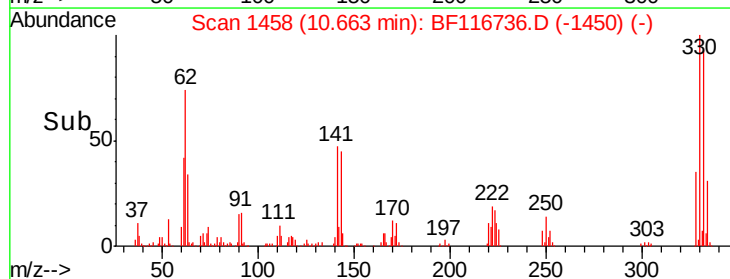
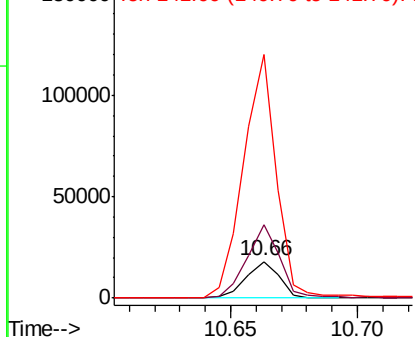


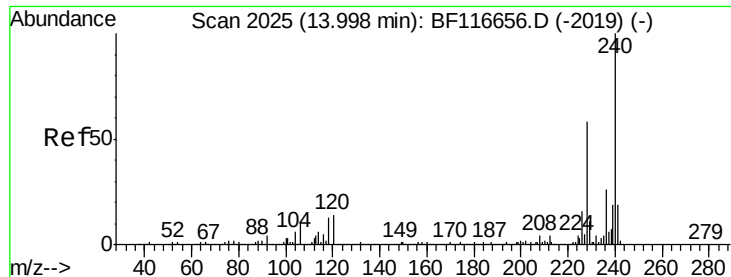
#67
 4-Bromophenyl-phenylether
 Concen: 4.296 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116736.D
 Acq: 1 Sep 2019 9:57

Tgt Ion:248 Resp: 16729
 Ion Ratio Lower Upper
 248 100
 250 201.2 77.8 116.8#
 141 662.8 75.9 113.9#



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: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116736.D

Acq: 1 Sep 2019 9:57

Instrument :

BNA_F

ClientSampleId :

T12-B1-B4-(0-3.5)

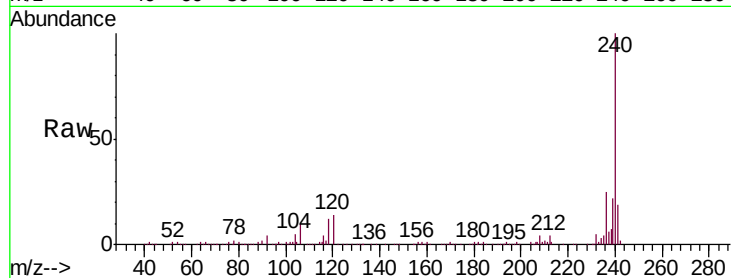
Tgt Ion:240 Resp: 250553

Ion Ratio Lower Upper

240 100

120 13.9 9.1 13.7#

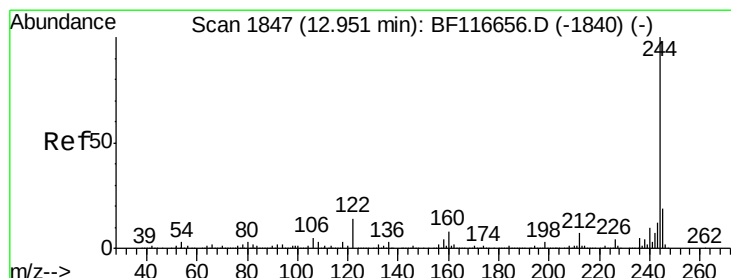
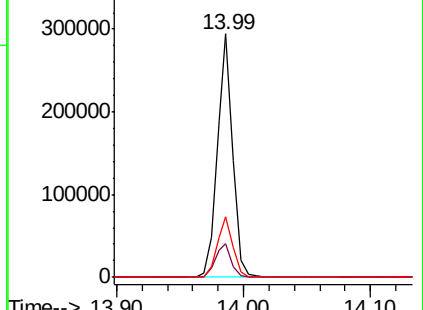
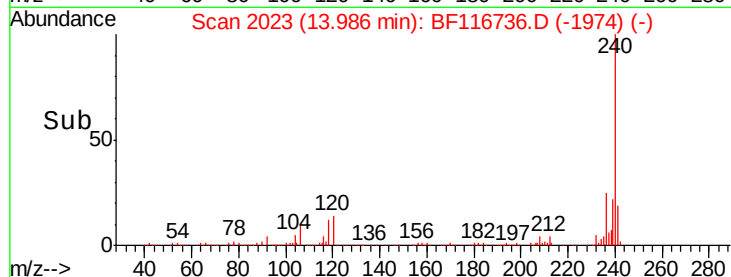
236 25.1 21.1 31.7



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: 95.648 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116736.D

Acq: 1 Sep 2019 9:57

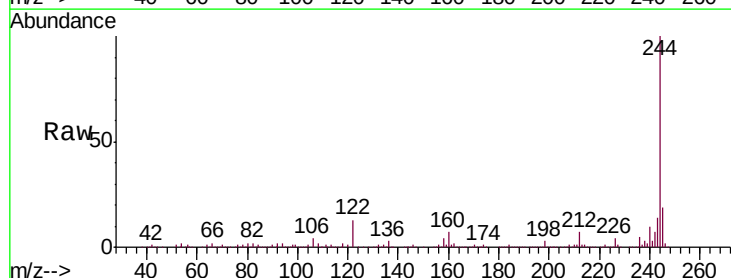
Tgt Ion:244 Resp: 1295440

Ion Ratio Lower Upper

244 100

212 6.8 6.1 9.1

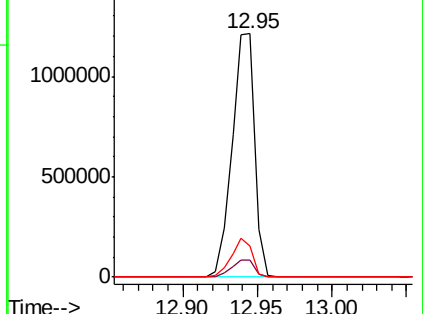
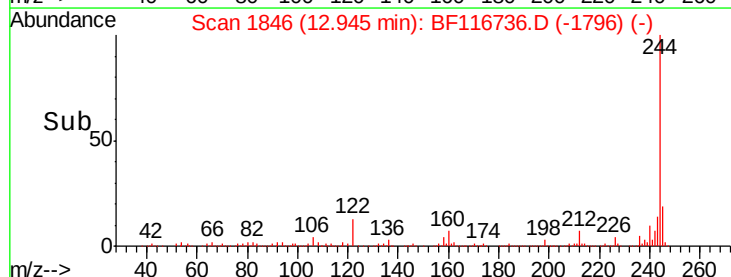
122 12.6 10.2 15.4

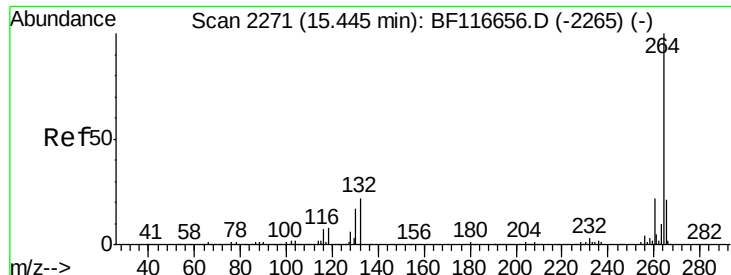


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

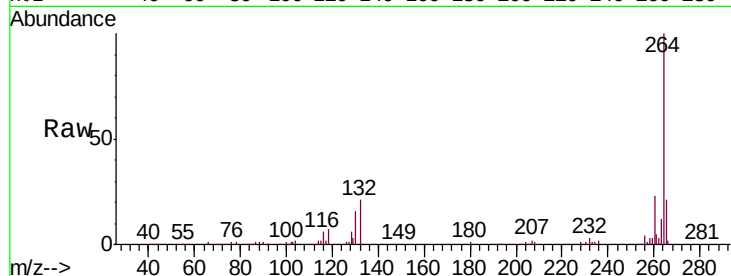




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF116736.D
Acq: 1 Sep 2019 9:57

Instrument :
BNA_F
ClientSampleId :
T12-B1-B4-(0-3.5)

Tgt Ion:	264	Resp:	296017
Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.3	27.5
265	20.8	16.5	24.7



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

