

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116833.D
 Acq On : 5 Sep 2019 13:08
 Operator : HP/JU
 Sample : K4573-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 14:24:00 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

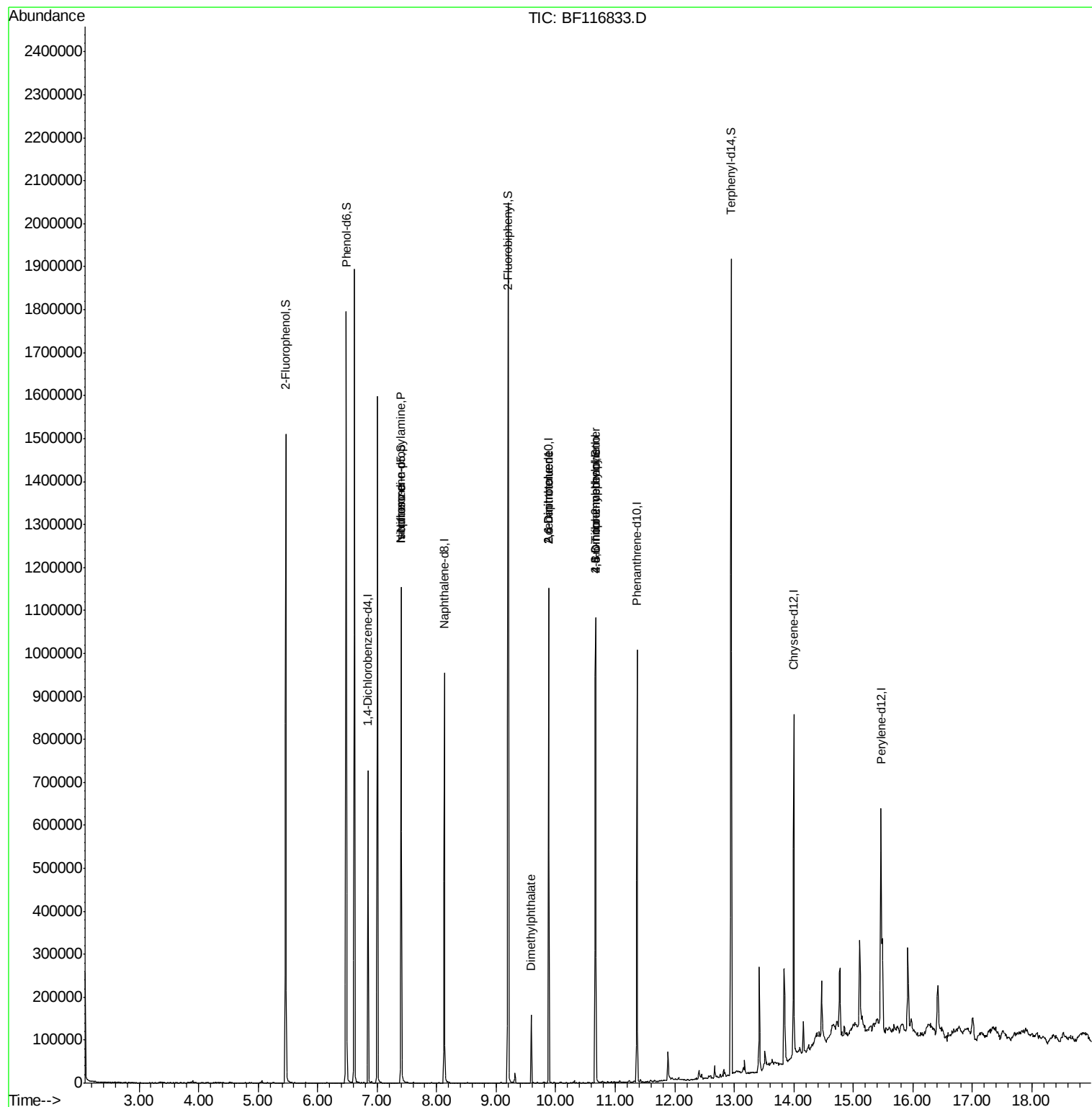
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	98753	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	408041	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	209197	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	331744	20.00	ng	0.00
76) Chrysene-d12	14.00	240	235464	20.00	ng	0.00
87) Perylene-d12	15.46	264	215650	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	450560	73.92	ng	0.00
7) Phenol-d6	6.48	99	615173	76.86	ng	0.00
23) Nitrobenzene-d5	7.40	82	368229	51.52	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	110599	79.08	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	649266	52.35	ng	0.00
79) Terphenyl-d14	12.95	244	554145	43.54	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	48513	9.205	ng	# 74
25) Isophorone	7.40	82	368277	25.427	ng	# 66
50) Dimethylphthalate	9.59	163	61739	4.275	ng	# 98
51) 2,6-Dinitrotoluene	9.88	165	26505	9.619	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	26505	7.866	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	141	7.549	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	7211	2.140	ng	# 1

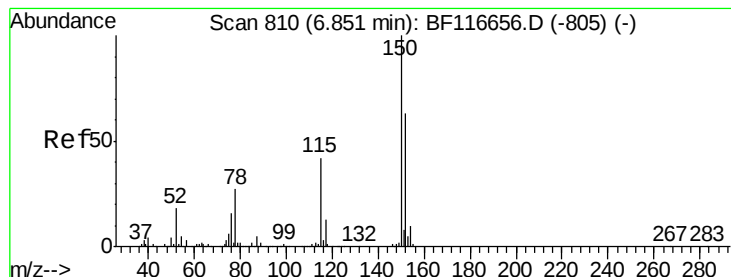
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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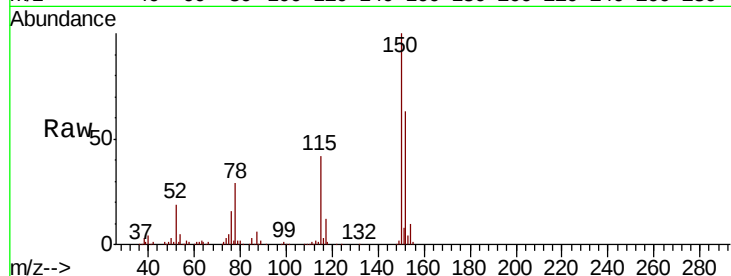




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF116833.D
 Acq: 5 Sep 2019 13:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	152	Resp	98753
Ion Ratio	Lower	Upper	
152	100		
150	159.3	124.4	186.6
115	66.3	49.9	74.9

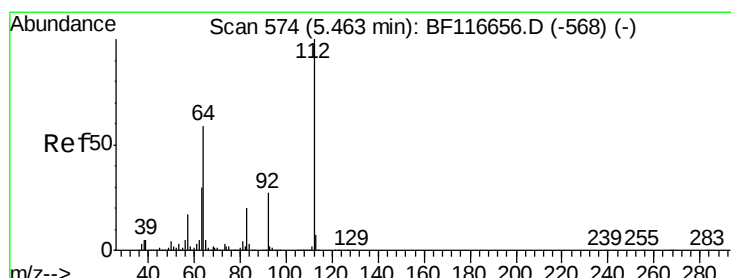
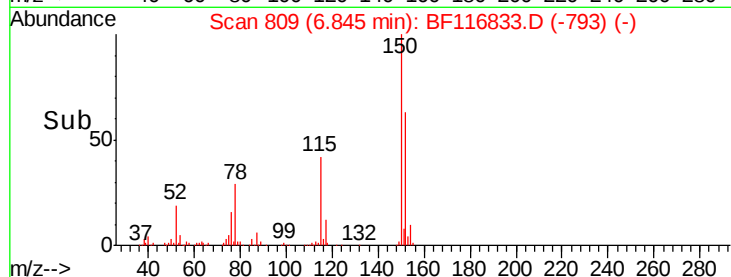
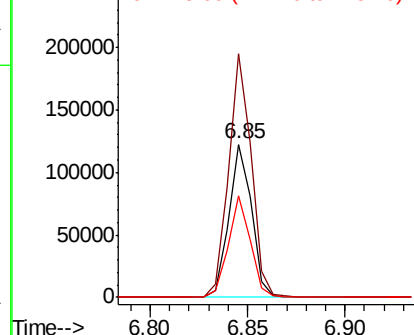


Abundance

Ion 152.00 (151.70 to 152.70): E

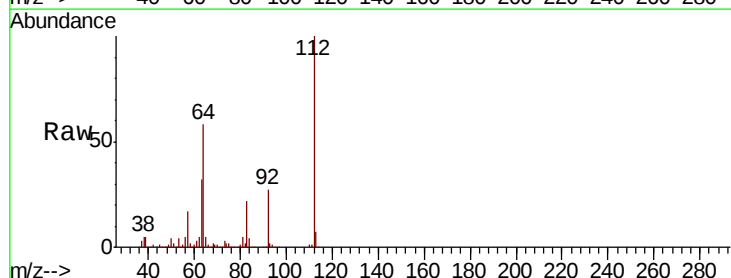
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 73.915 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF116833.D
 Acq: 5 Sep 2019 13:08

Tgt Ion	112	Resp	450560
Ion Ratio	Lower	Upper	
112	100		
64	58.3	47.1	70.7
63	31.7	24.9	37.3

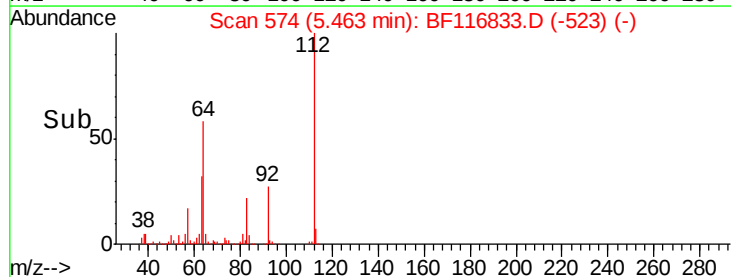
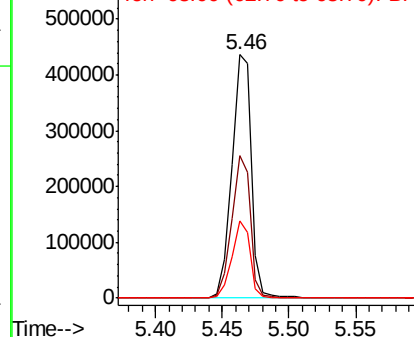


Abundance

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: 76.856 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116833.D

Acq: 5 Sep 2019 13:08

Instrument :

BNA_F

ClientSampleId :

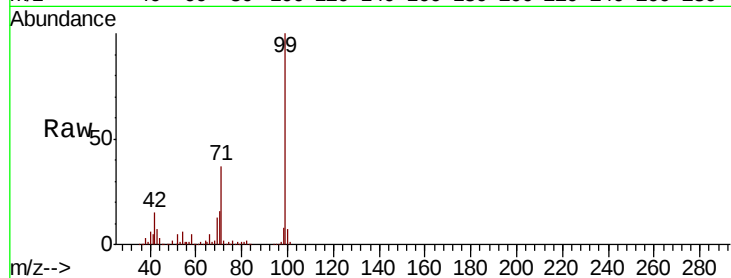
Tot Ion: 99 Resp: 615173

Ion Ratio Lower Upper

99 100

42 14.8 13.7 20.5

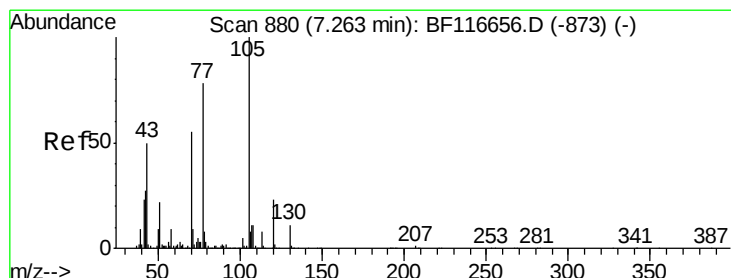
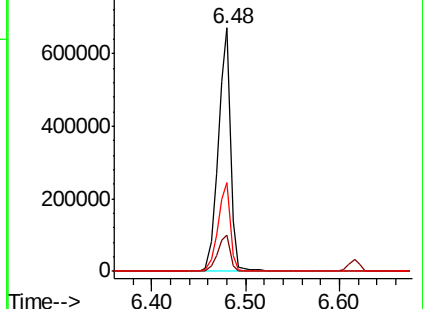
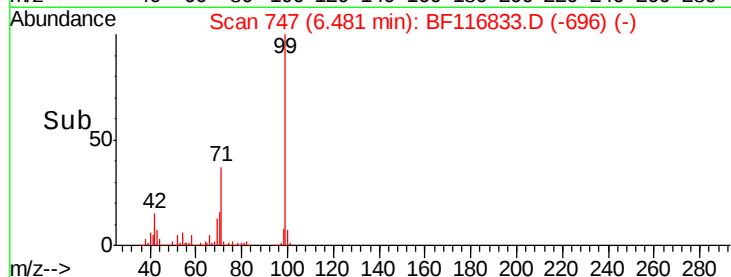
71 36.5 30.8 46.2



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: 9.205 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116833.D

Acq: 5 Sep 2019 13:08

Tgt Ion: 70 Resp: 48513

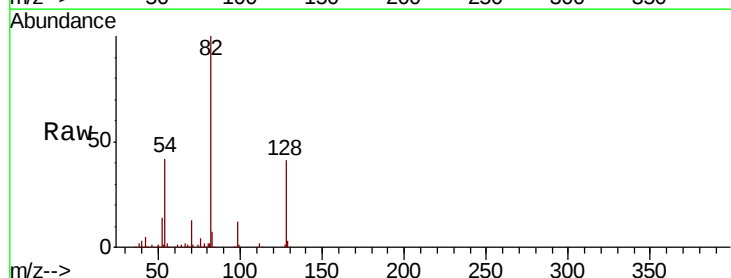
Ion Ratio Lower Upper

70 100

42 40.0 43.5 65.3#

101 0.0 7.8 11.6#

130 1.8 16.6 24.8#

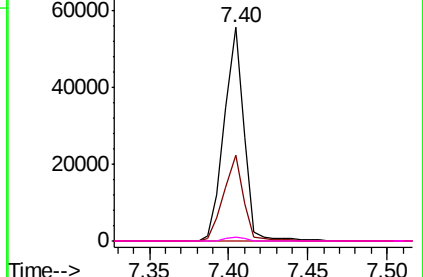
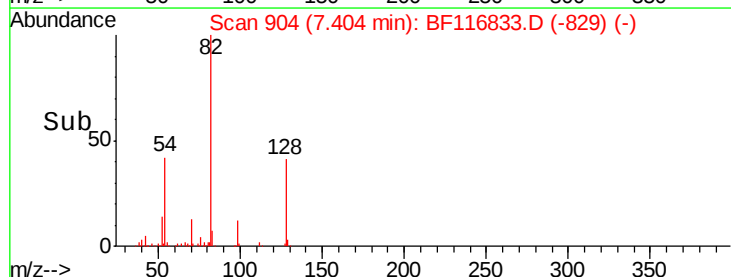


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF116833.D

Acq: 5 Sep 2019 13:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 408041

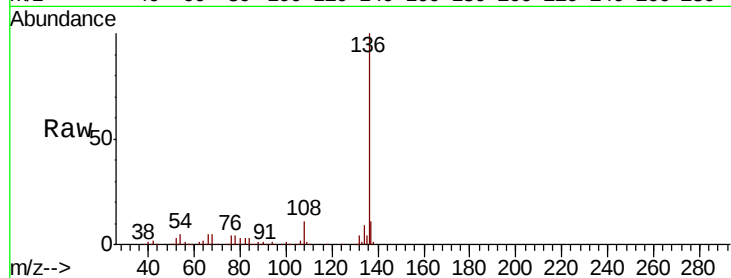
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 5.4 4.8 7.2

68 5.0 4.0 6.0

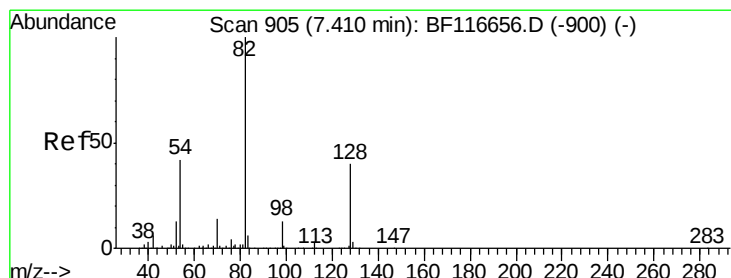
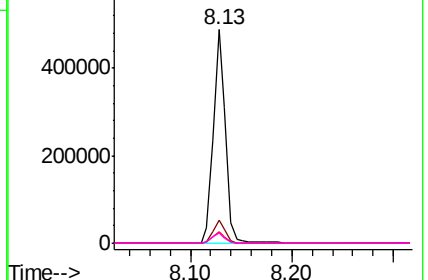
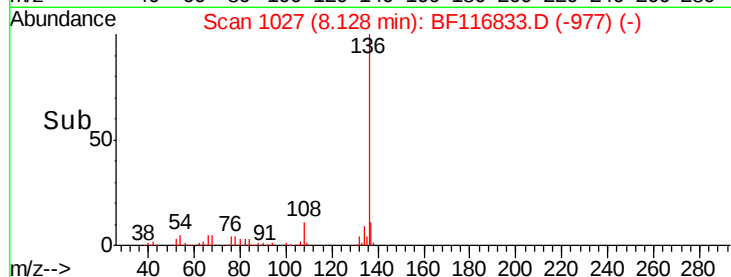


Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.517 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116833.D

Acq: 5 Sep 2019 13:08

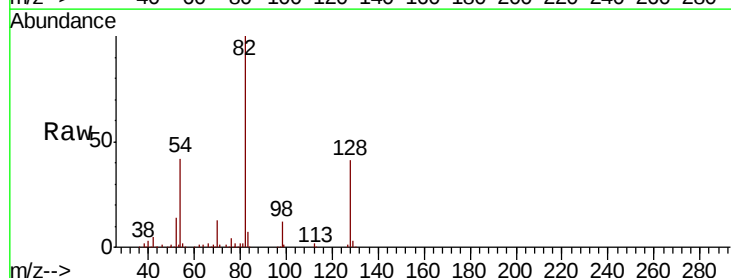
Tgt Ion: 82 Resp: 368229

Ion Ratio Lower Upper

82 100

128 41.0 32.8 49.2

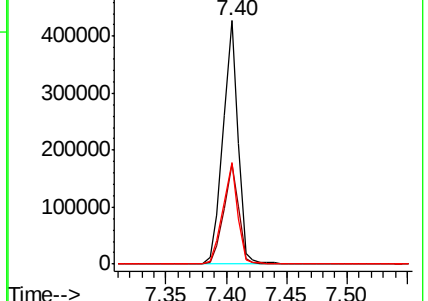
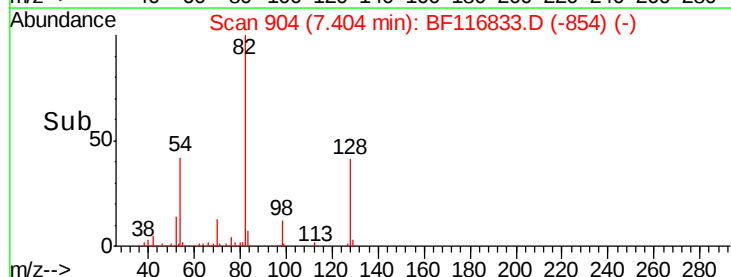
54 41.9 36.9 55.3



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: 25.427 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116833.D

Acq: 5 Sep 2019 13:08

Instrument :

BNA_F

ClientSampleId :

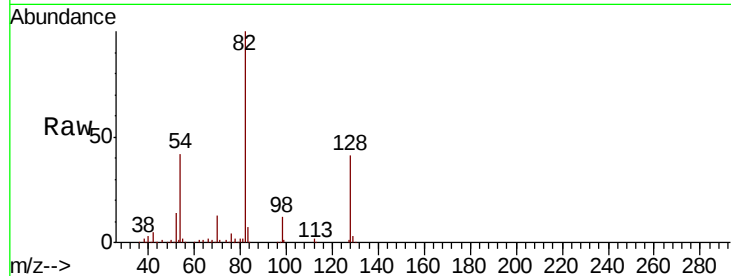
Tot Ion: 82 Resp: 368277

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

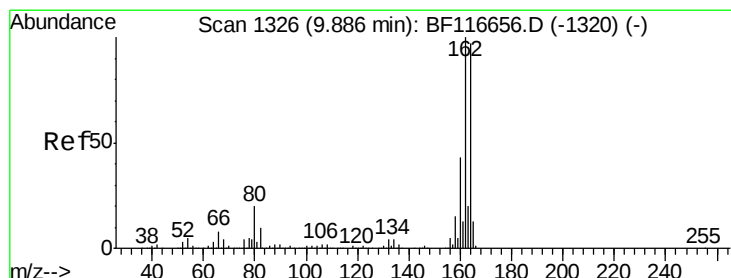
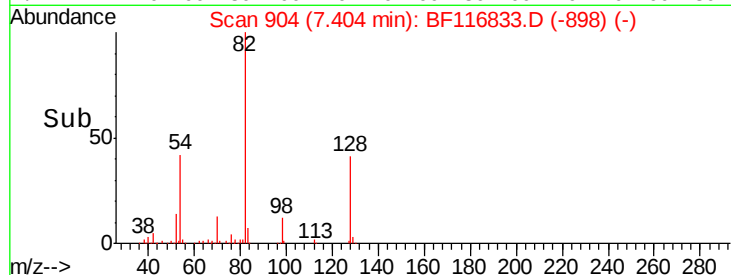
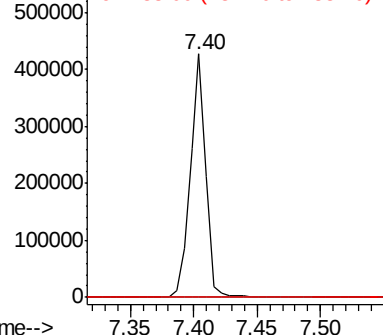
138 0.0 13.5 20.3#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116833.D

Acq: 5 Sep 2019 13:08

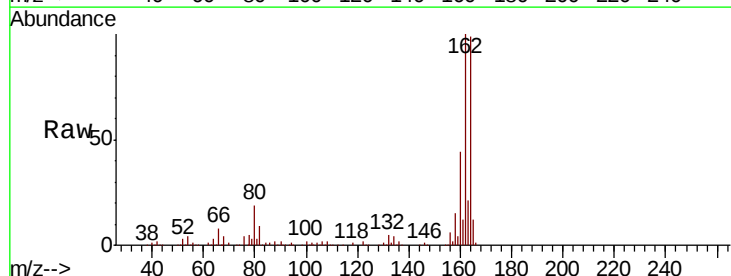
Tgt Ion: 164 Resp: 209197

Ion Ratio Lower Upper

164 100

162 100.7 81.4 122.0

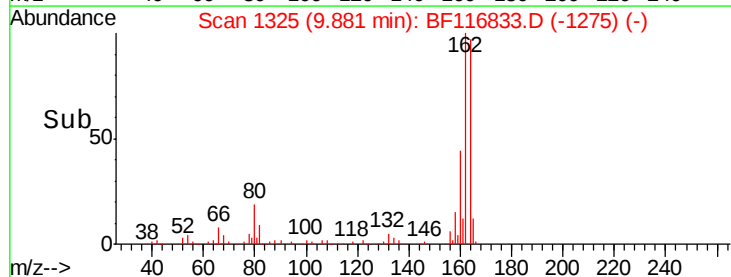
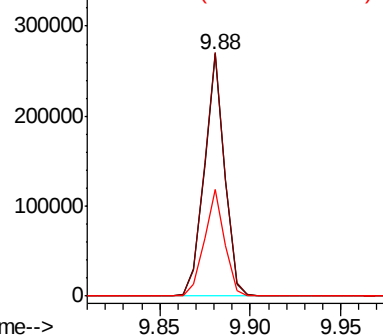
160 44.2 35.4 53.2

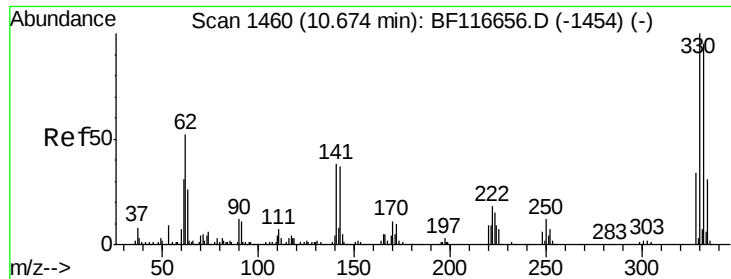


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

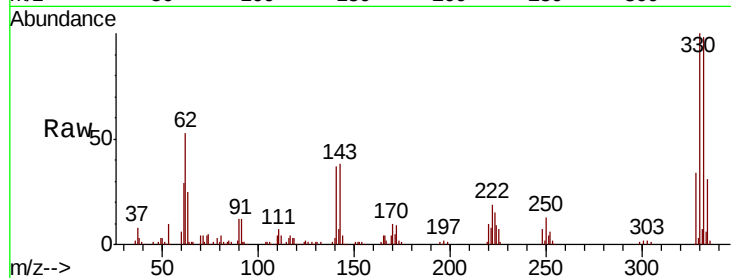




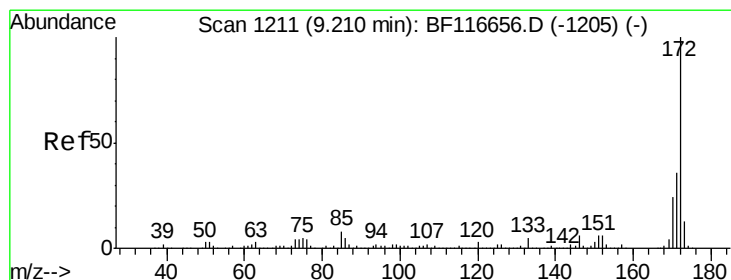
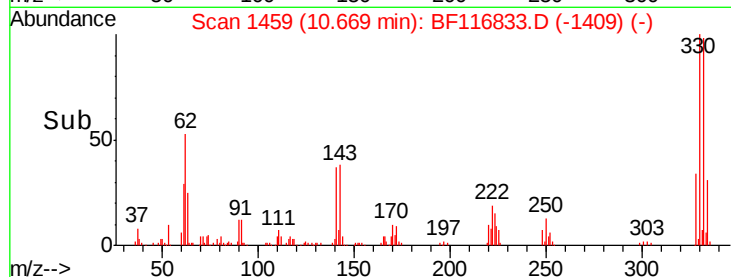
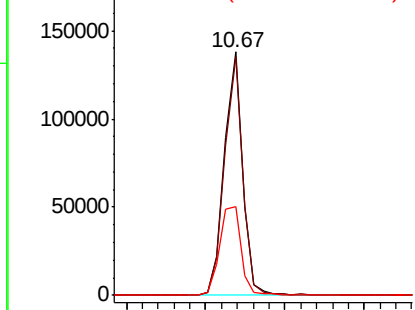
#42
 2,4,6-Tribromophenol
 Concen: 79.083 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116833.D
 Acq: 5 Sep 2019 13:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.9	115.3
141	42.7	31.4	47.2

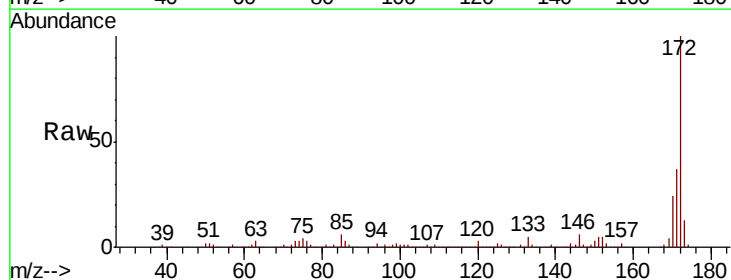


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

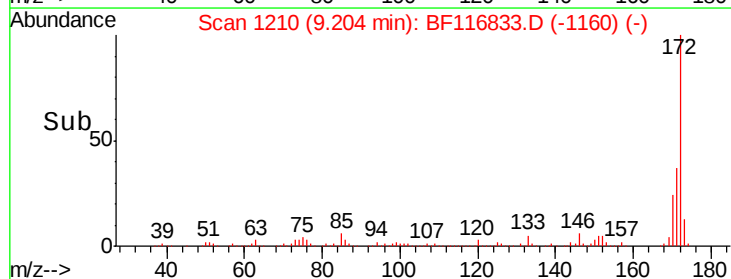
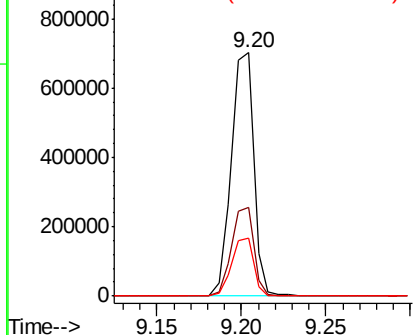


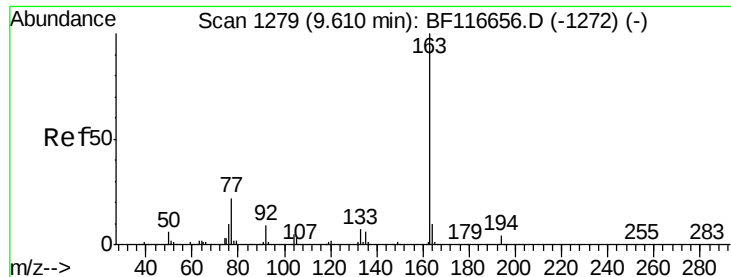
#45
 2-Fluorobiphenyl
 Concen: 52.355 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116833.D
 Acq: 5 Sep 2019 13:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	27.8	41.6
170	24.0	18.9	28.3



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: 4.275 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116833.D

Acq: 5 Sep 2019 13:08

Instrument :

BNA_F

ClientSampleId :

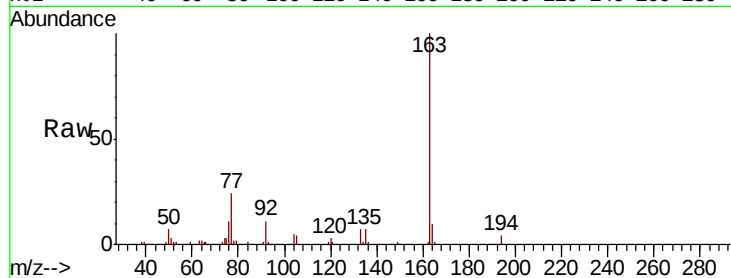
Tot Ion:163 Resp: 61739

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

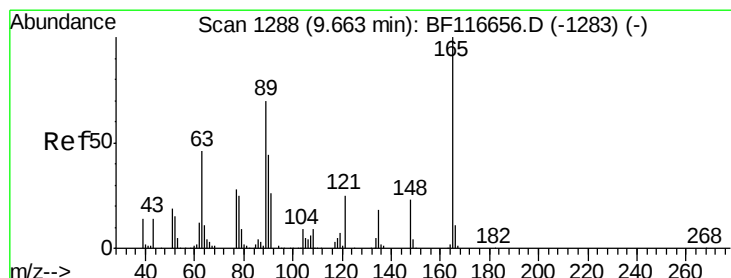
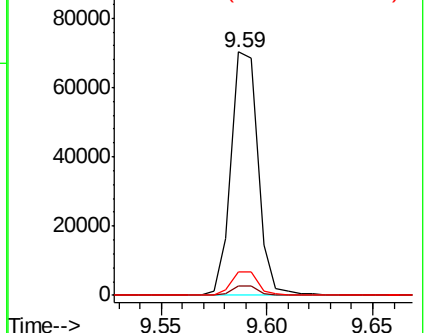
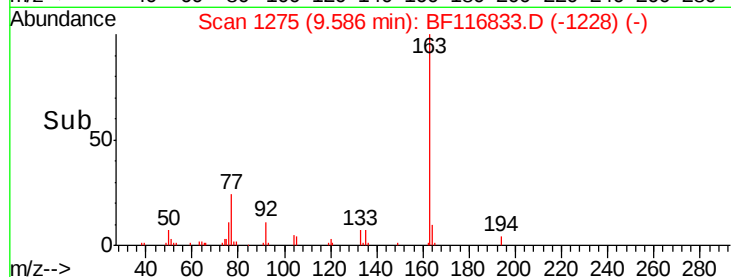
164 9.6 8.6 12.8



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: 9.619 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116833.D

Acq: 5 Sep 2019 13:08

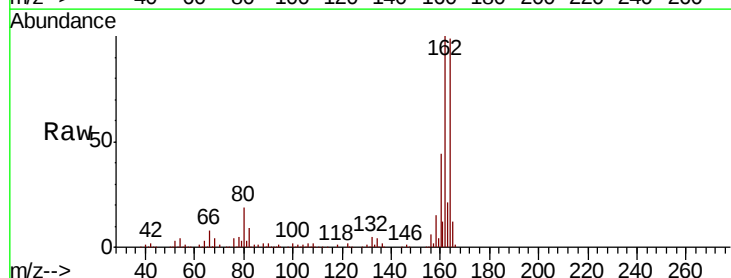
Tgt Ion:165 Resp: 26505

Ion Ratio Lower Upper

165 100

63 1.2 47.3 70.9#

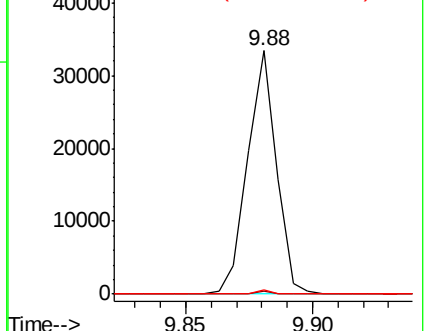
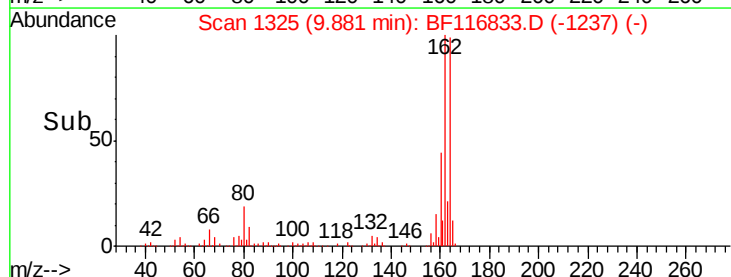
89 1.6 52.5 78.7#



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

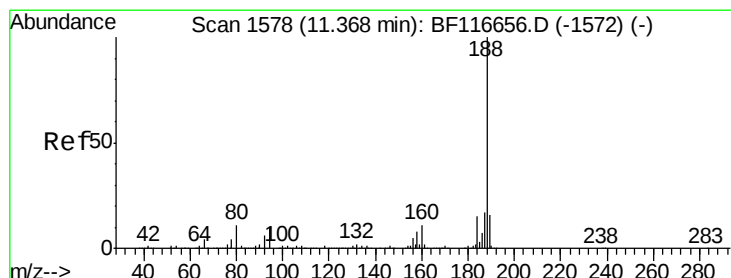
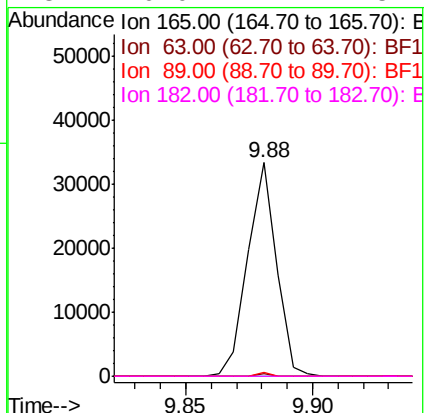
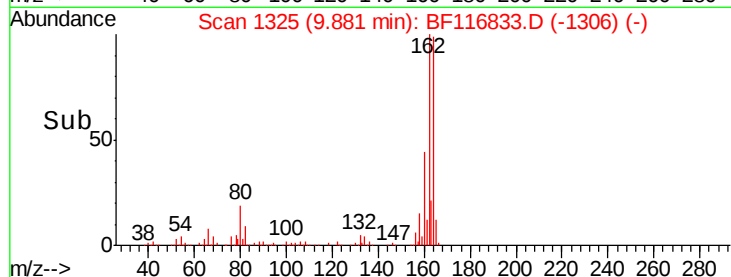
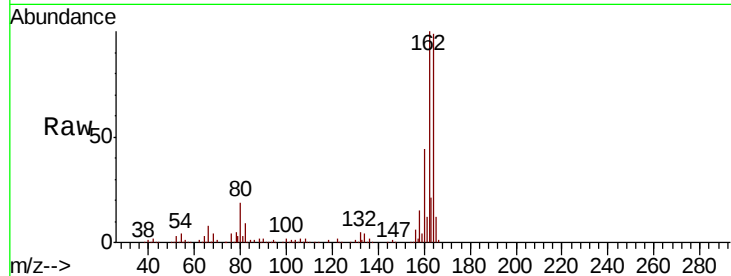




#57
 2,4-Dinitrotoluene
 Concen: 7.866 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116833.D
 Acq: 5 Sep 2019 13:08

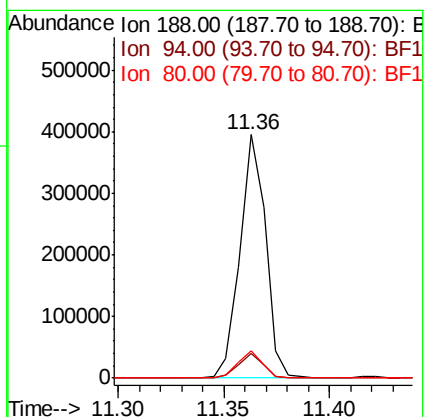
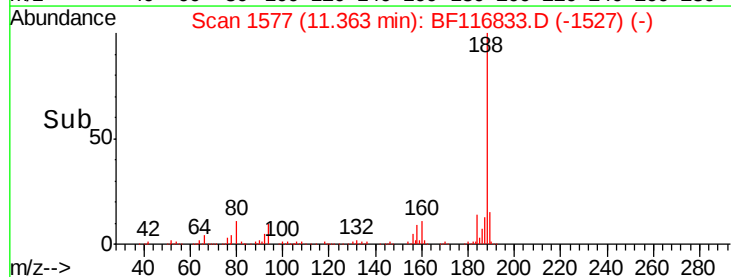
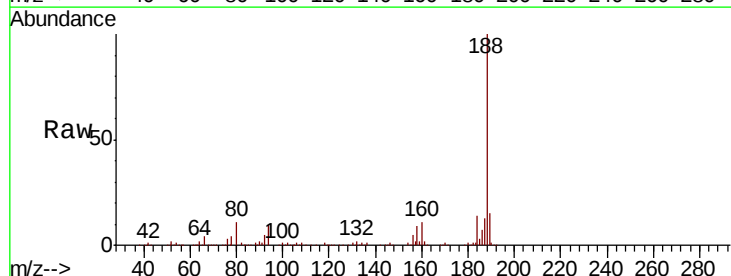
Instrument :
 BNA_F
 ClientSampled :

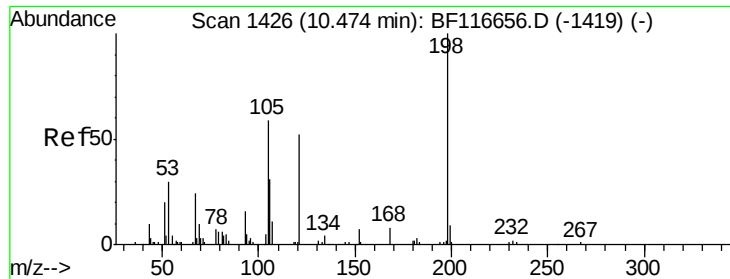
Tot Ion:165	Resp:	26505
Ion Ratio	Lower	Upper
165	100	
63	1.2	36.4 54.6#
89	1.6	62.6 94.0#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116833.D
 Acq: 5 Sep 2019 13:08

Tgt Ion:188	Resp:	331744
Ion Ratio	Lower	Upper
188	100	
94	10.0	7.3 10.9
80	11.4	8.4 12.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.549 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116833.D

Acq: 5 Sep 2019 13:08

Instrument :

BNA_F

ClientSampled :

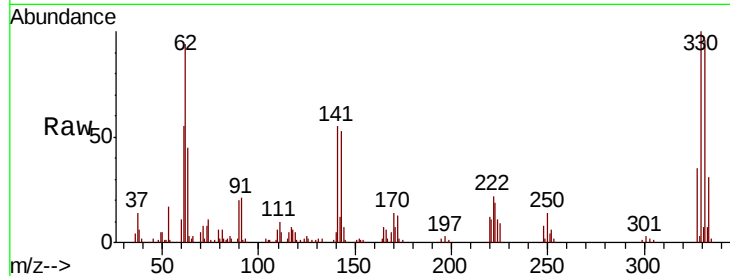
Tot Ion:198 Resp: 141

Ion Ratio Lower Upper

198 100

51 221.3 18.4 58.4#

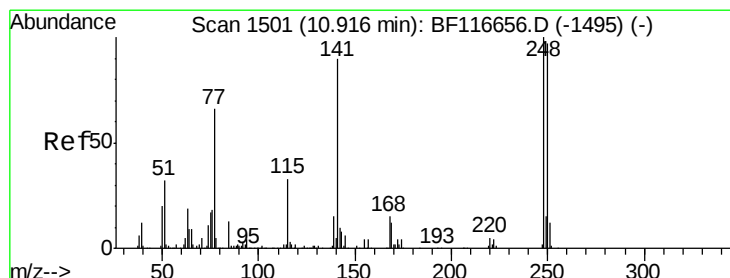
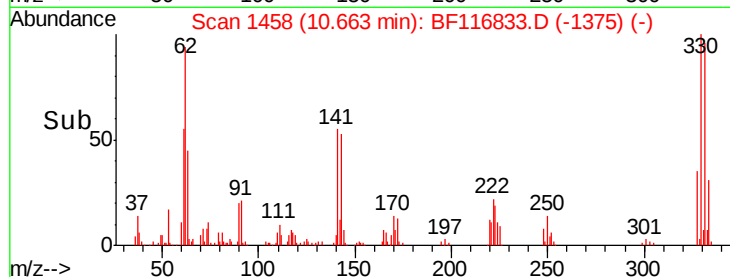
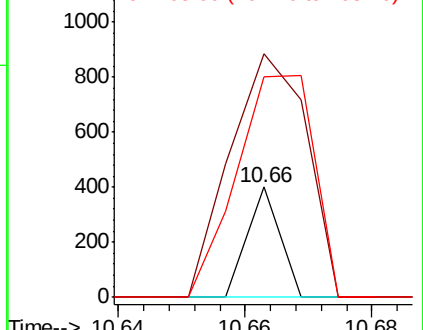
105 200.3 22.9 62.9#



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: 2.140 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF116833.D

Acq: 5 Sep 2019 13:08

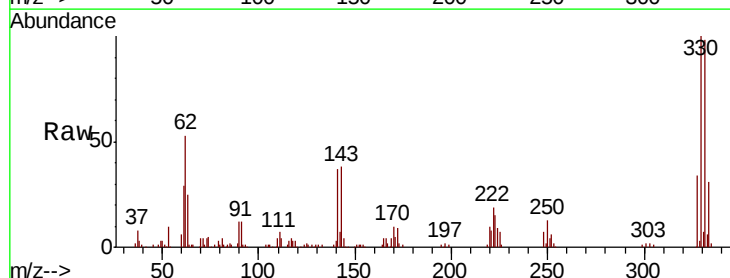
Tgt Ion:248 Resp: 7211

Ion Ratio Lower Upper

248 100

250 187.2 77.8 116.8#

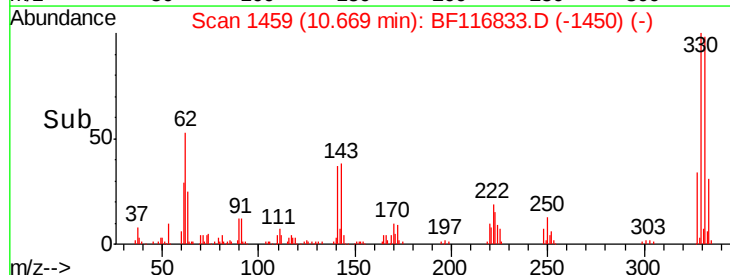
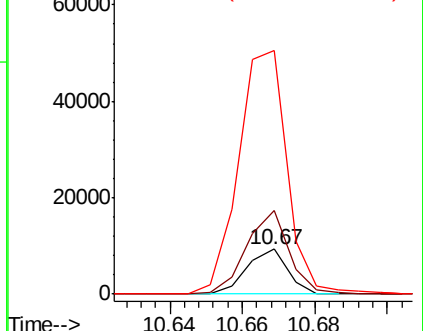
141 544.3 75.9 113.9#

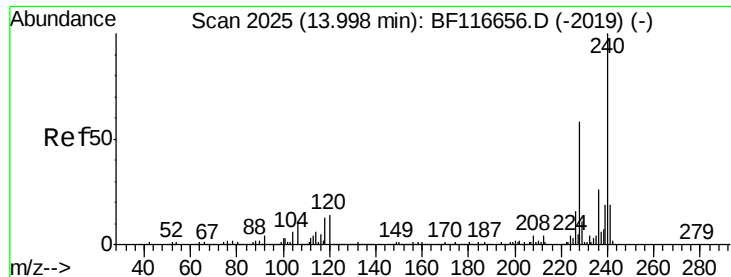


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

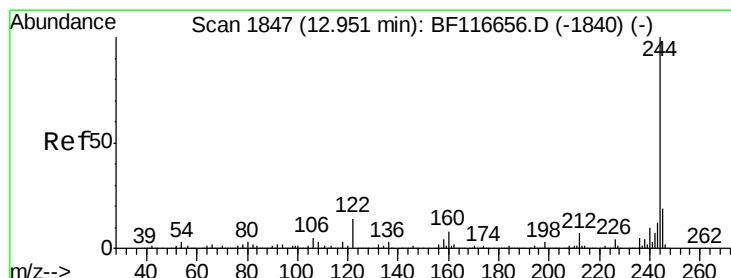
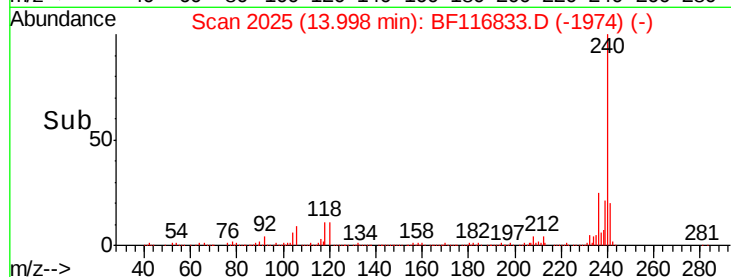
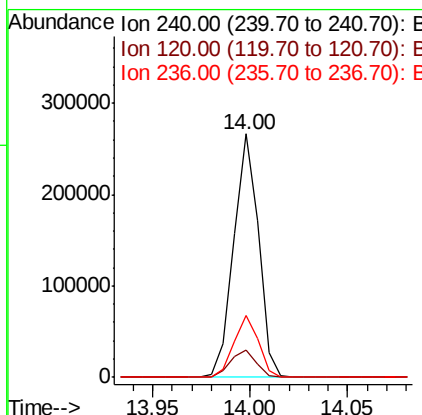
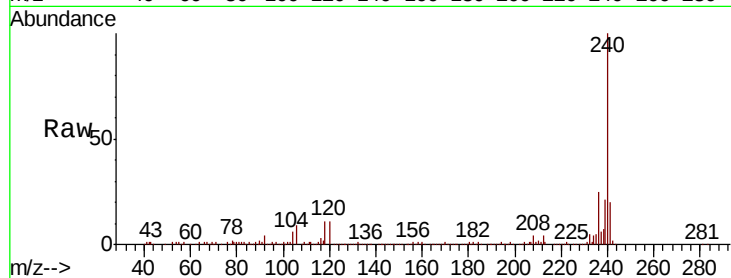




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF116833.D
Acq: 5 Sep 2019 13:08

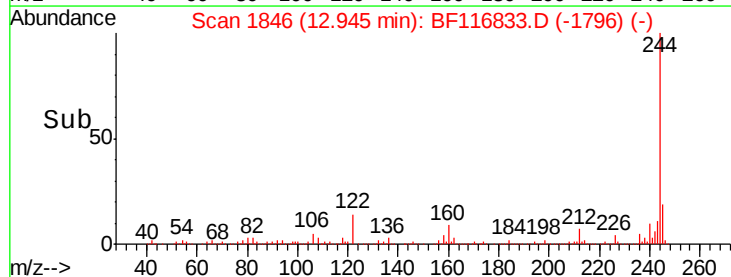
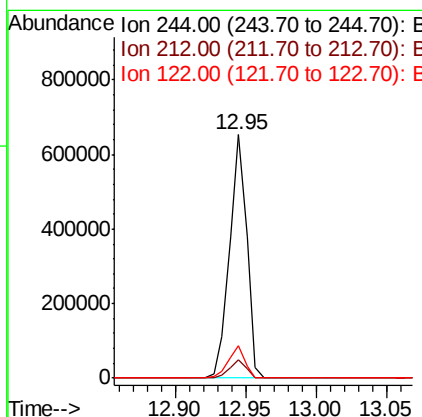
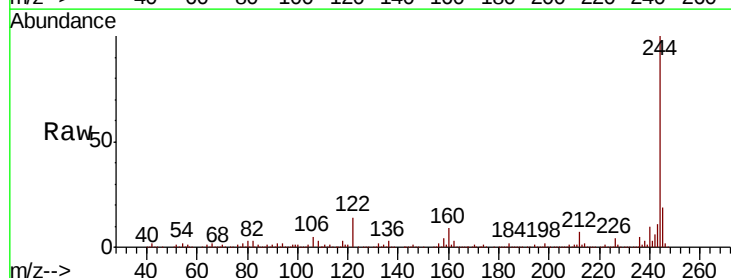
Instrument :
BNA_F
ClientSampleId :

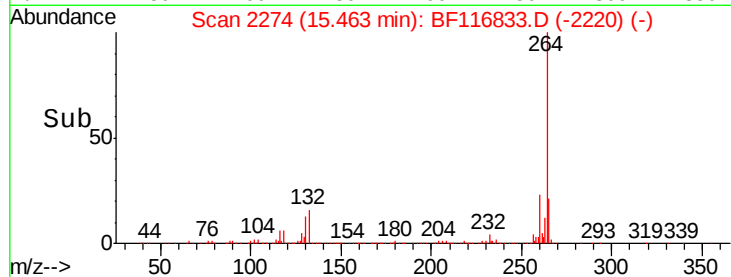
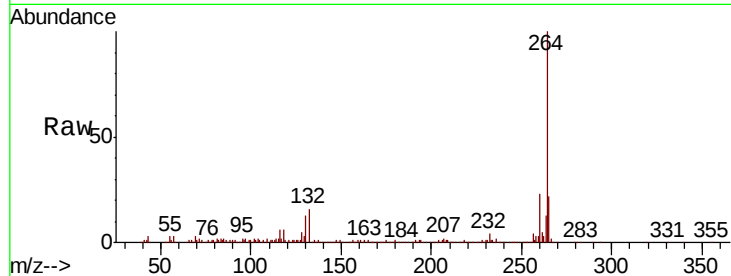
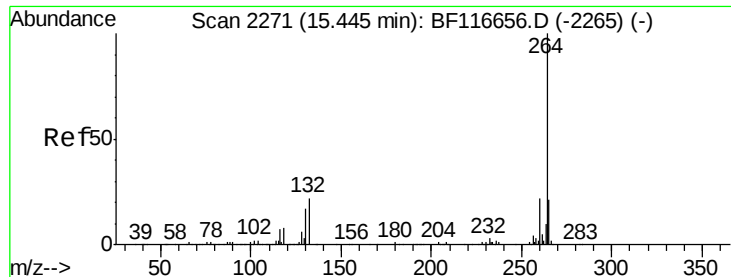
Tot Ion:240 Resp: 235464
Ion Ratio Lower Upper
240 100
120 11.2 9.1 13.7
236 25.3 21.1 31.7



#79
Terphenyl-d14
Concen: 43.537 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116833.D
Acq: 5 Sep 2019 13:08

Tgt Ion:244 Resp: 554145
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 13.6 10.2 15.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF116833.D
Acq: 5 Sep 2019 13:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	21.5	16.5	24.7

