

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072919\
 Data File : BF115835.D
 Acq On : 29 Jul 2019 16:41
 Operator : HP/JU
 Sample : K4036-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 29 17:31:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 29 16:38:26 2019
 Response via : Initial Calibration

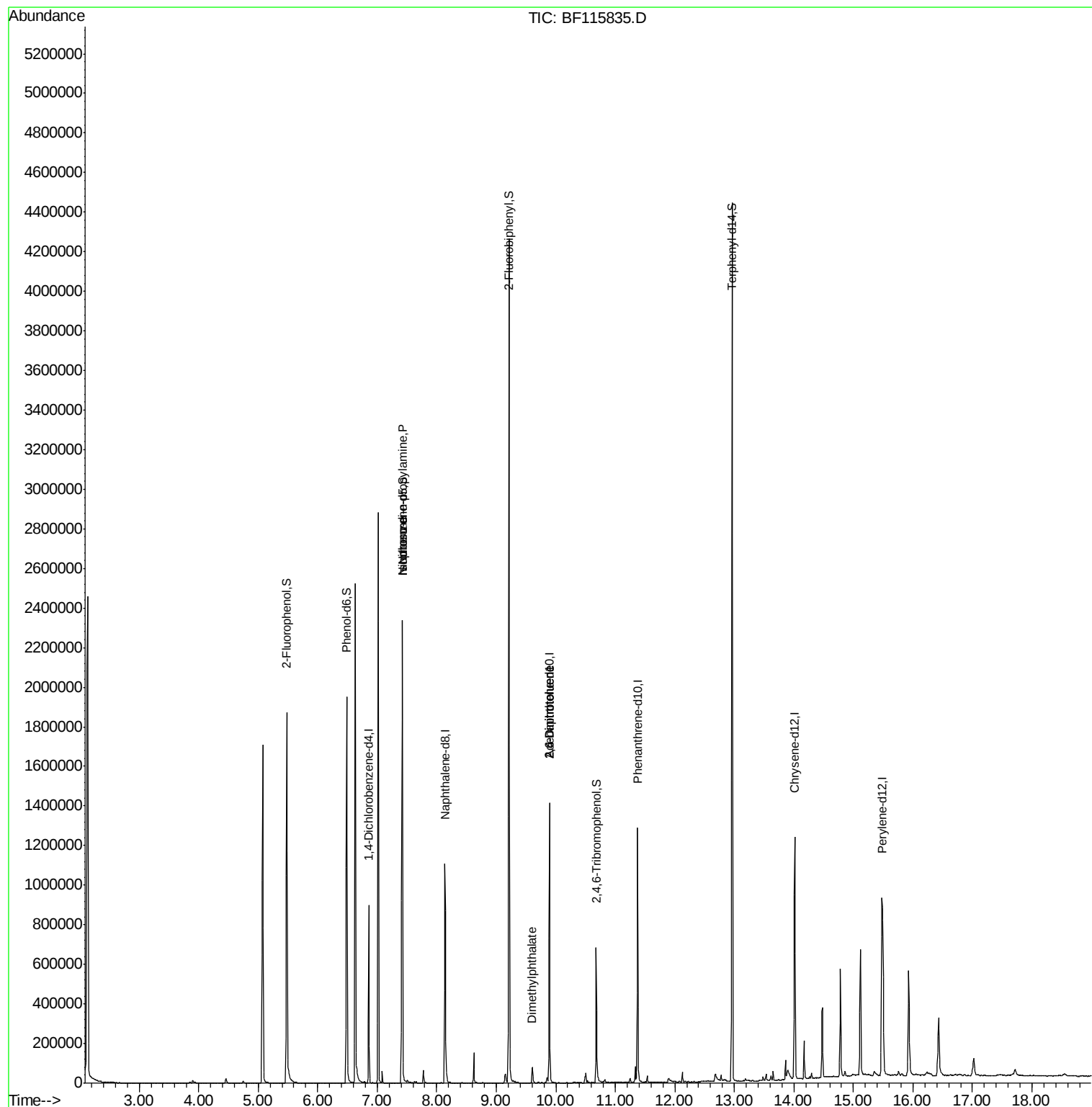
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	131255	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	505868	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	272084	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	493118	20.00	ng	0.00
76) Chrysene-d12	14.02	240	408893	20.00	ng	0.00
87) Perylene-d12	15.48	264	385612	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	546139	68.06	ng	0.00
7) Phenol-d6	6.49	99	653148	64.15	ng	0.00
23) Nitrobenzene-d5	7.42	82	755575	86.85	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	90447	28.48	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1328512	85.46	ng	0.00
79) Terphenyl-d14	12.96	244	1619750	73.09	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	101491	15.284	ng	# 78
25) Isophorone	7.42	82	755568	43.402	ng	# 67
50) Dimethylphthalate	9.61	163	41893	2.046	ng	# 99
51) 2,6-Dinitrotoluene	9.89	165	34738	7.467	ng	# 21
57) 2,4-Dinitrotoluene	9.89	165	34738	5.764	ng	# 27

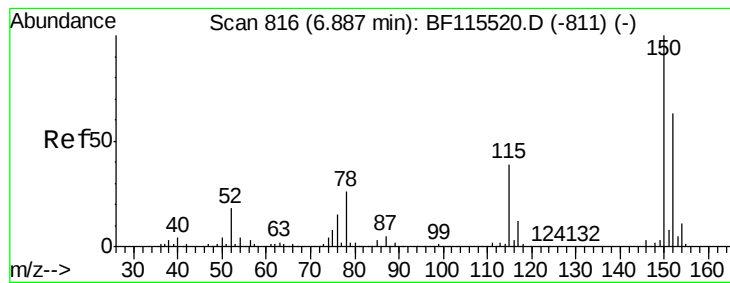
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 16:38:26 2019
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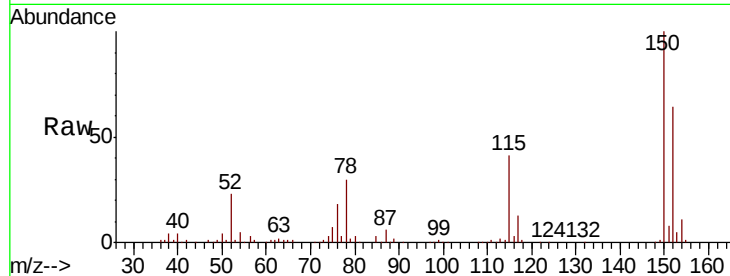


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF115835.D
 Acq: 29 Jul 2019 16:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.3	187.9
115	63.9	48.2	72.2

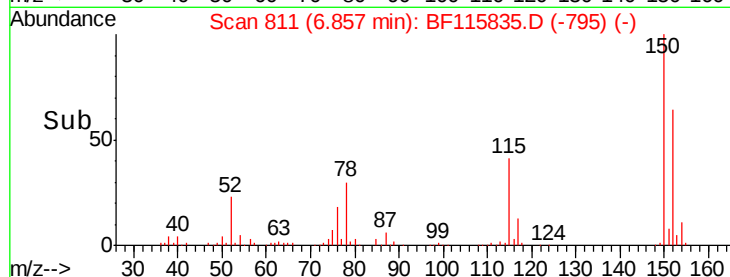
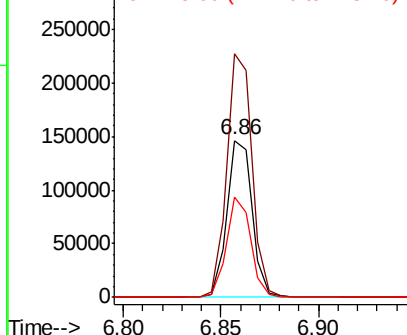


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

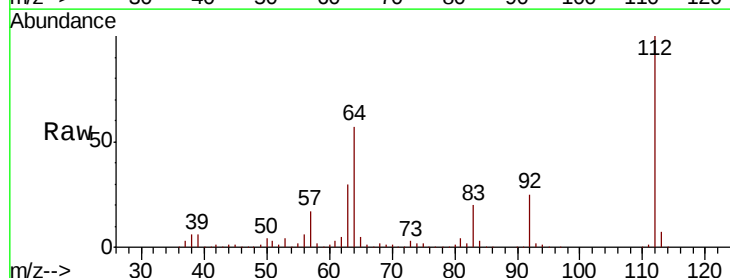
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 68.060 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: BF115835.D
 Acq: 29 Jul 2019 16:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	45.5	68.3
63	30.4	23.7	35.5

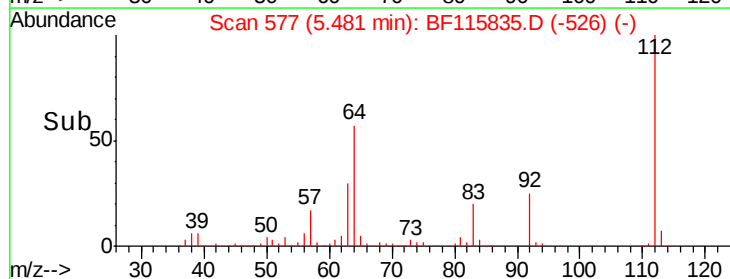
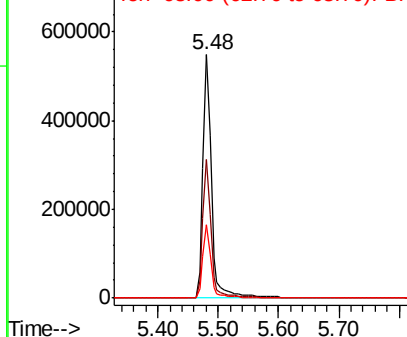


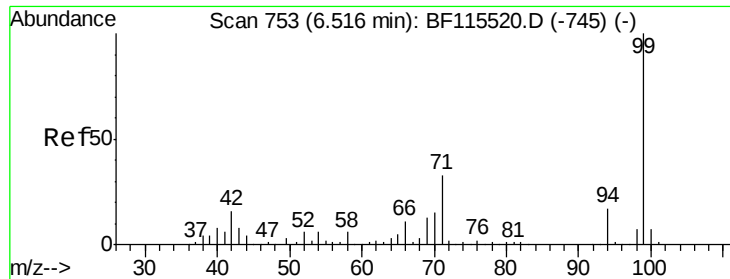
Abundance

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: 64.148 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF115835.D

Acq: 29 Jul 2019 16:41

Instrument :

BNA_F

ClientSampled :

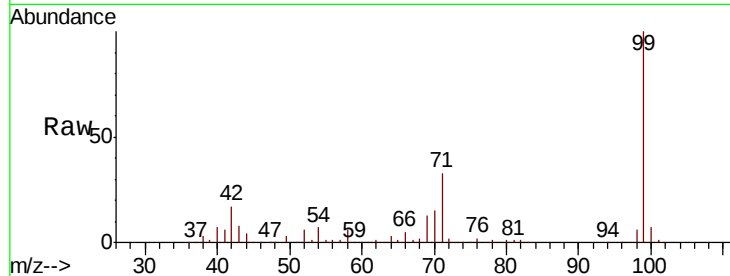
Tot Ion: 99 Resp: 653148

Ion Ratio Lower Upper

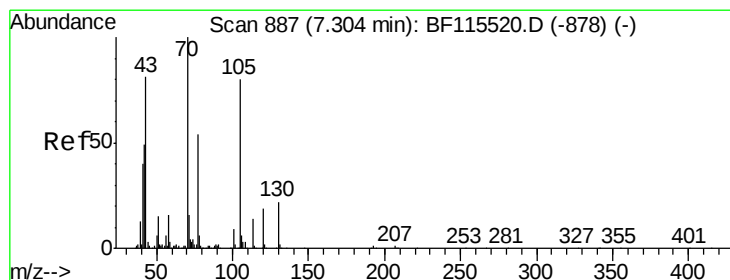
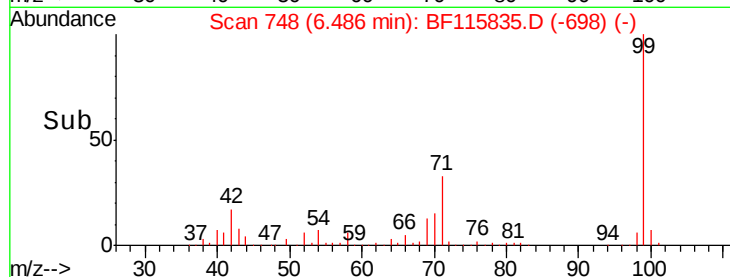
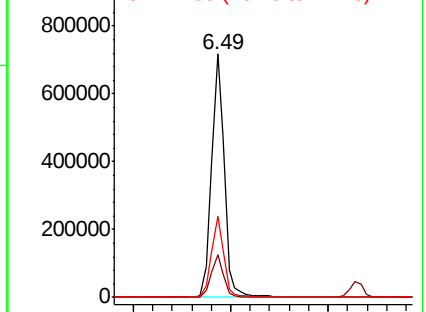
99 100

42 17.3 13.6 20.4

71 33.4 26.5 39.7



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: 15.284 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF115835.D

Acq: 29 Jul 2019 16:41

Tgt Ion: 70 Resp: 101491

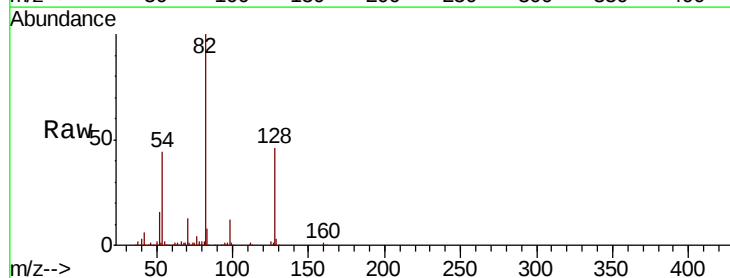
Ion Ratio Lower Upper

70 100

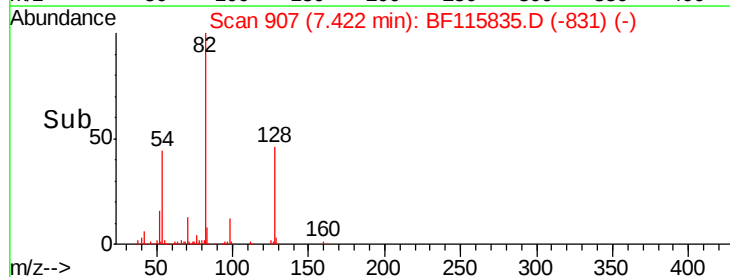
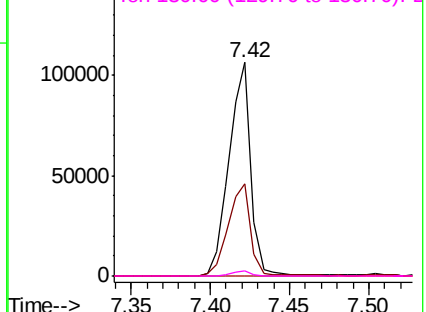
42 43.2 41.9 62.9

101 0.0 7.8 11.8#

130 2.3 17.6 26.4#



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

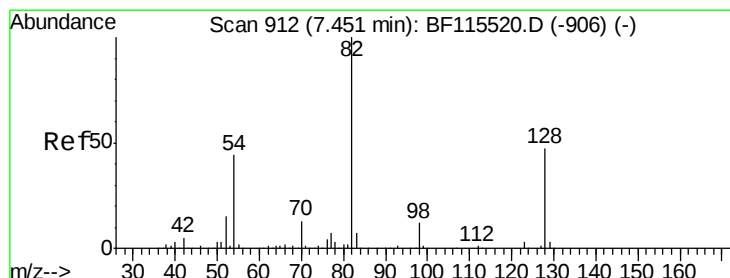
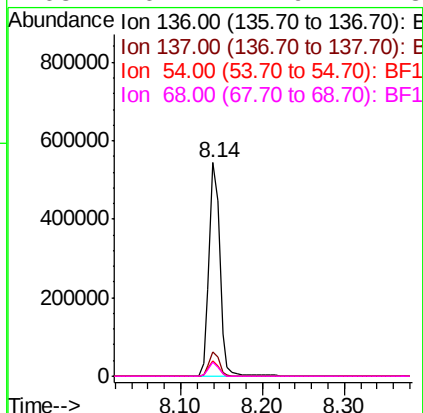
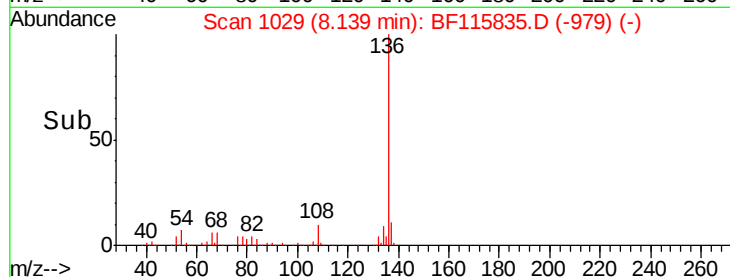
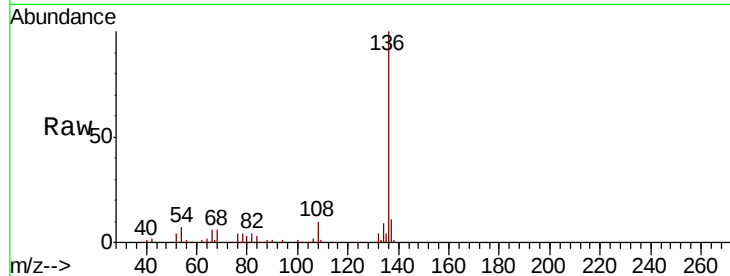




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF115835.D
Acq: 29 Jul 2019 16:41

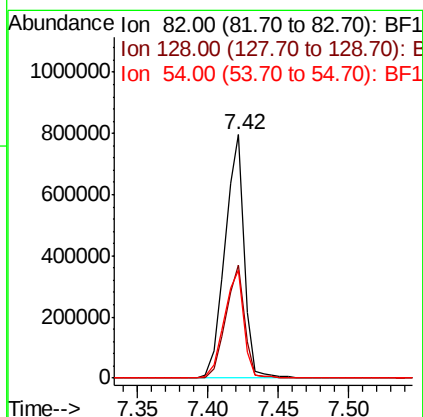
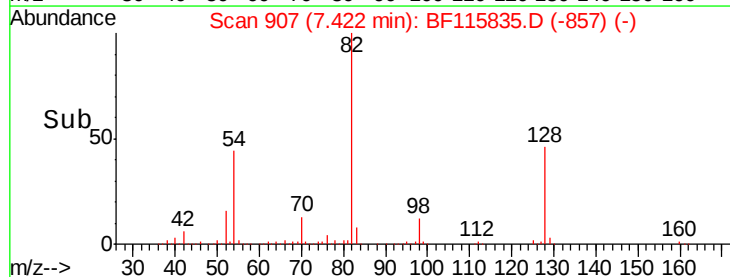
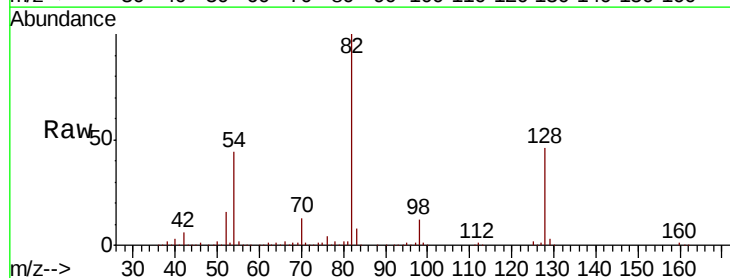
Instrument :
BNA_F
ClientSampleId :

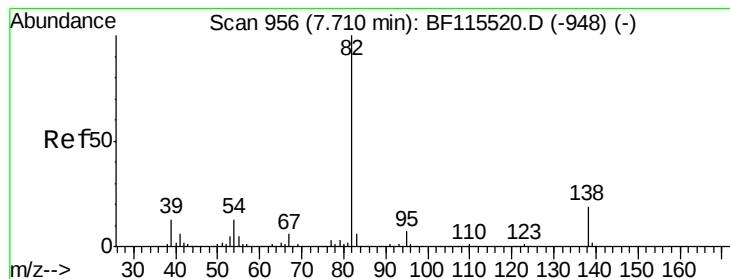
Tot Ion:136	Resp:	505868	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	8.8	13.2	
54 7.4	5.4	8.2	
68 6.4	4.9	7.3	



#23
Nitrobenzene-d5
Concen: 86.849 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF115835.D
Acq: 29 Jul 2019 16:41

Tgt	Ion: 82	Resp:	755575
Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.9	56.9
54	44.2	35.4	53.0





#25

Isophorone

Concen: 43.402 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF115835.D

Acq: 29 Jul 2019 16:41

Instrument :

BNA_F

ClientSampleId :

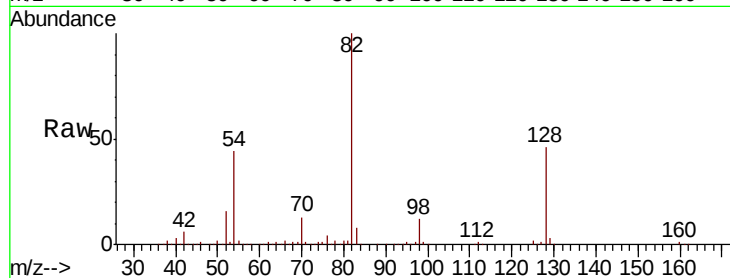
Tot Ion: 82 Resp: 755568

Ion Ratio Lower Upper

82 100

95 0.8 5.4 8.0#

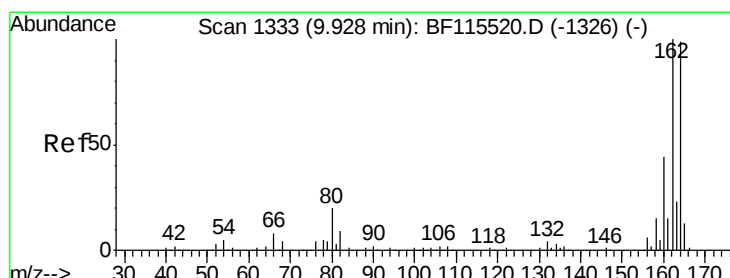
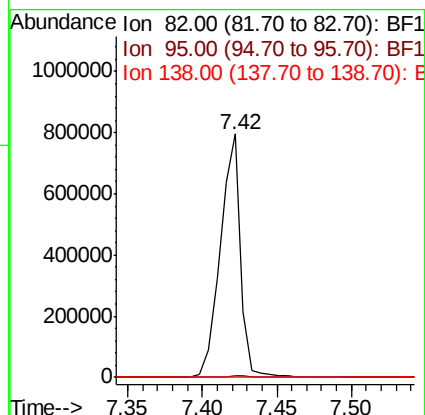
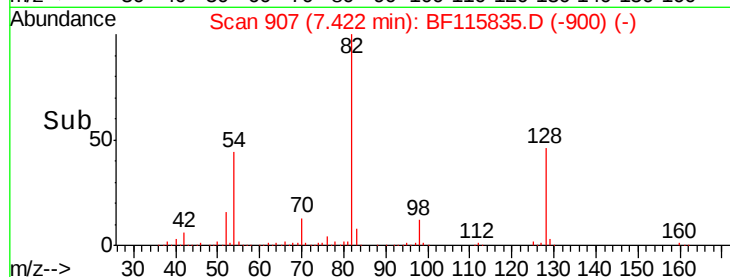
138 0.0 13.6 20.4#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115835.D

Acq: 29 Jul 2019 16:41

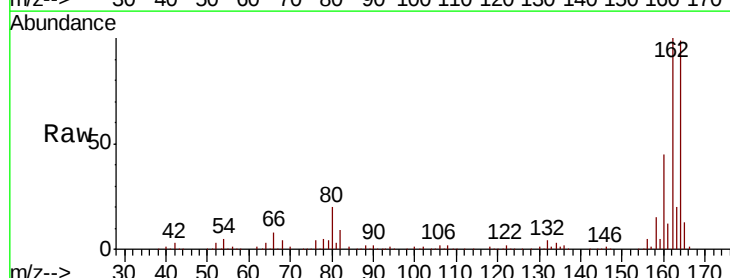
Tgt Ion:164 Resp: 272084

Ion Ratio Lower Upper

164 100

162 101.5 81.5 122.3

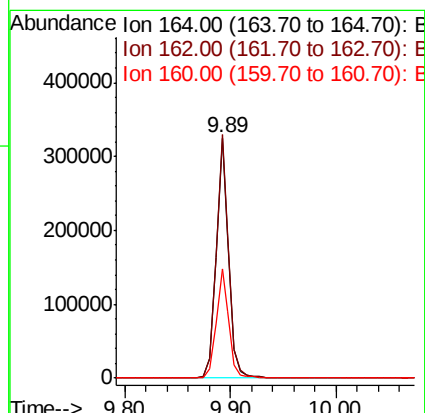
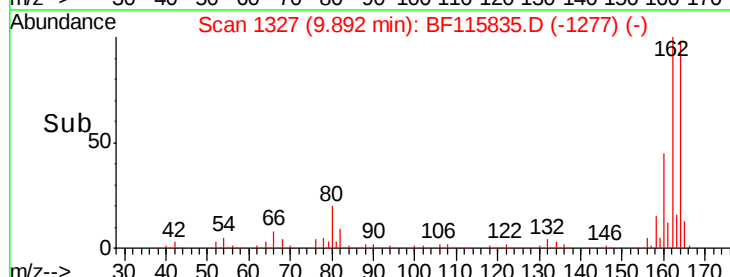
160 45.3 36.6 54.8

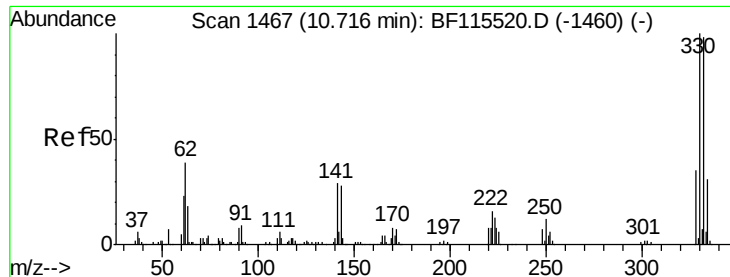


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

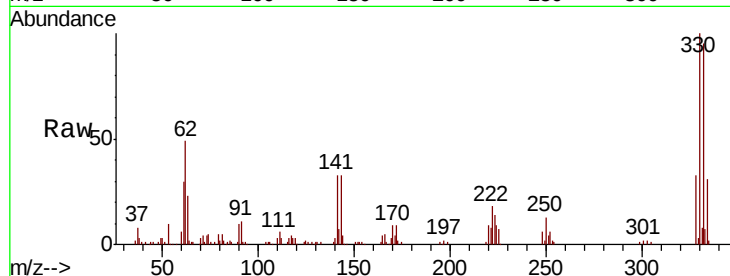




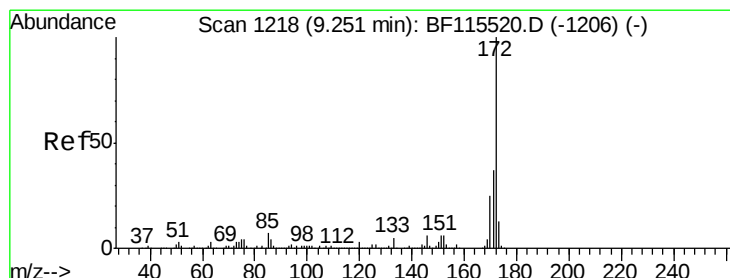
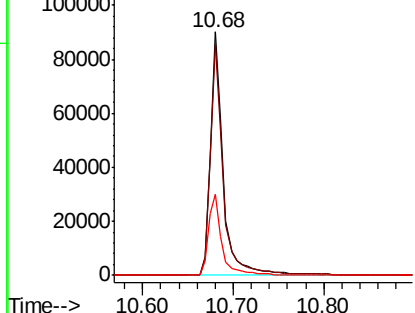
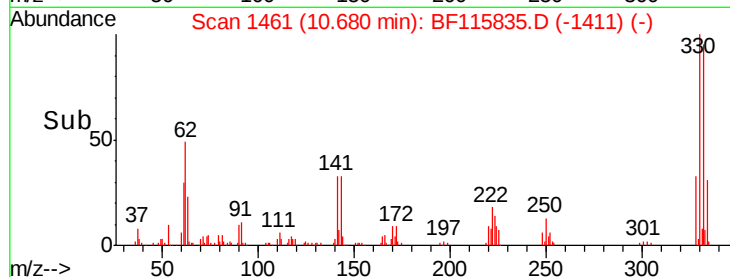
#42
 2,4,6-Tribromophenol
 Concen: 28.479 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115835.D
 Acq: 29 Jul 2019 16:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 90447
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.8 115.2
 141 34.6 27.5 41.3

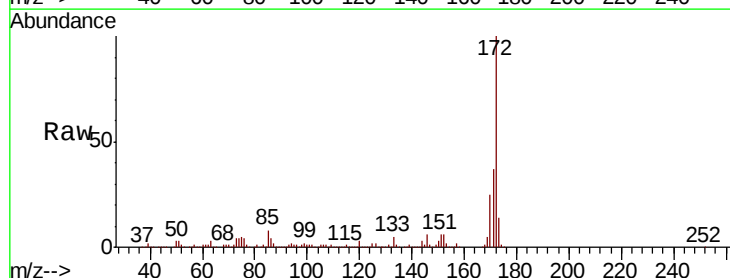


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

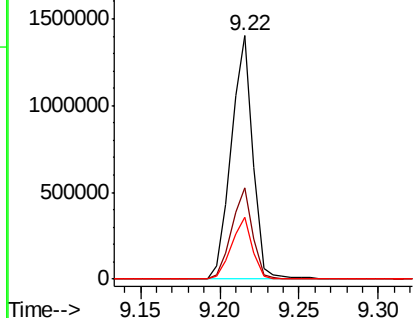
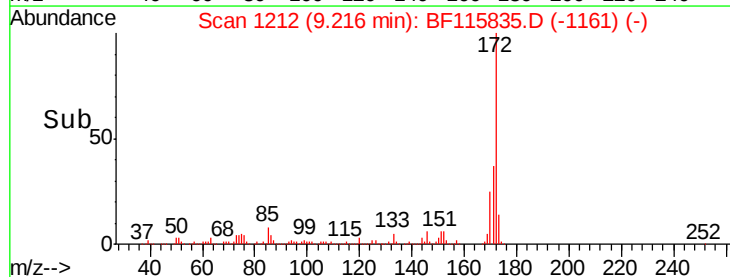


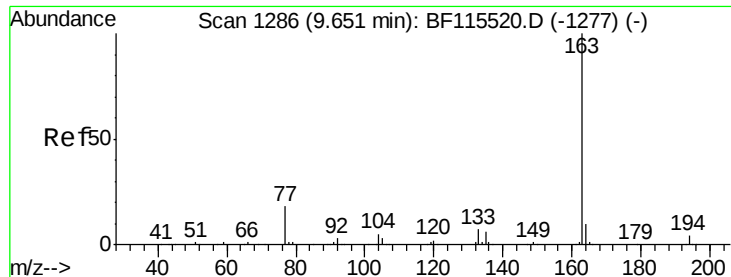
#45
 2-Fluorobiphenyl
 Concen: 85.462 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF115835.D
 Acq: 29 Jul 2019 16:41

Tgt Ion:172 Resp: 1328512
 Ion Ratio Lower Upper
 172 100
 171 37.4 28.9 43.3
 170 25.4 19.9 29.9



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

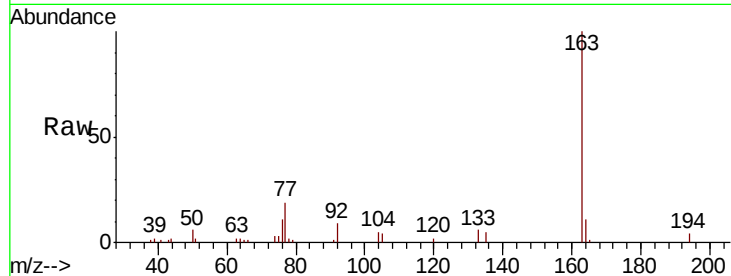




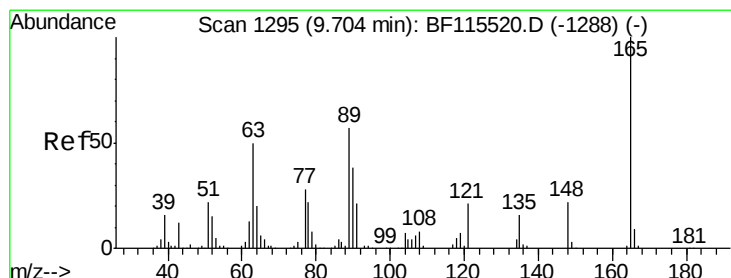
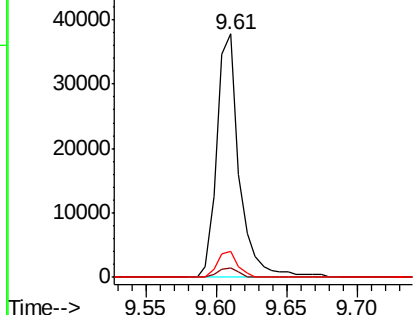
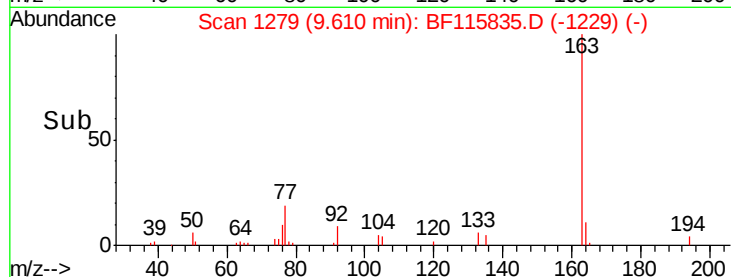
#50
Dimethylphthalate
Concen: 2.046 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF115835.D
Acq: 29 Jul 2019 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 41893
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.5 8.2 12.4

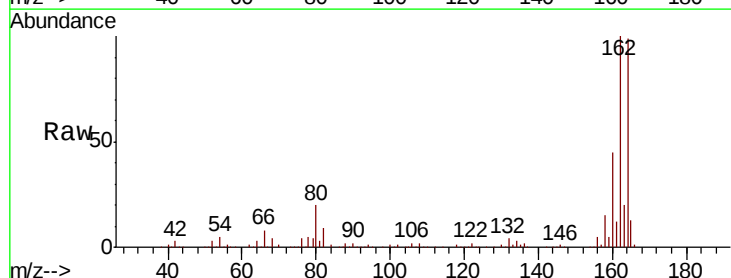


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

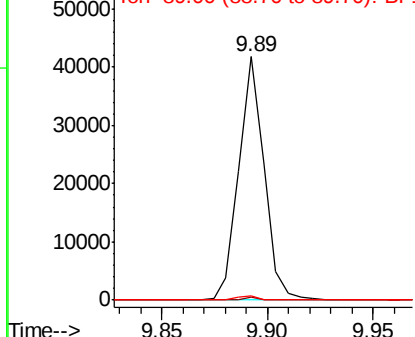
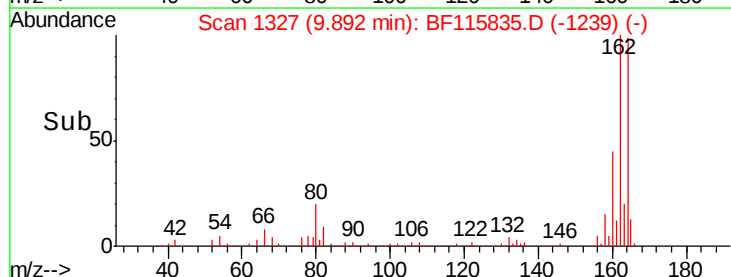


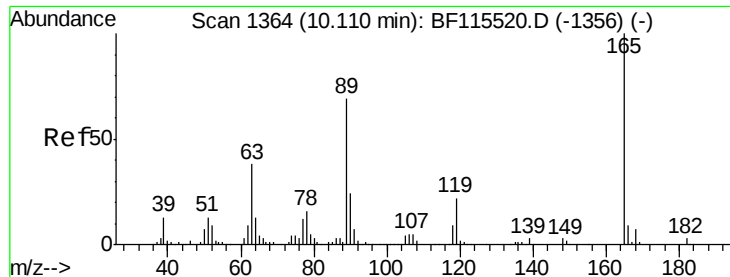
#51
2,6-Dinitrotoluene
Concen: 7.467 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.22 min
Lab File: BF115835.D
Acq: 29 Jul 2019 16:41

Tgt Ion:165 Resp: 34738
Ion Ratio Lower Upper
165 100
63 1.1 48.9 73.3#
89 1.5 51.8 77.6#



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

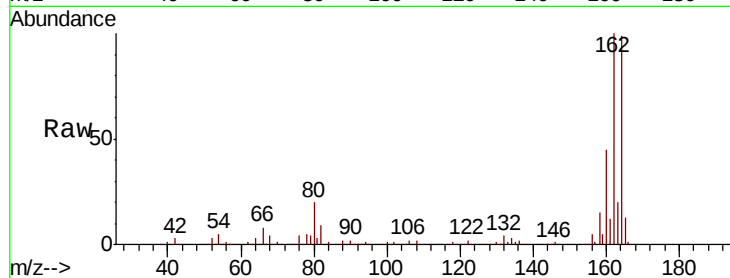




#57
2,4-Dinitrotoluene
Concen: 5.764 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF115835.D
Acq: 29 Jul 2019 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	29.7	44.5#
89	1.5	53.6	80.4#
182	0.0	2.0	3.0#

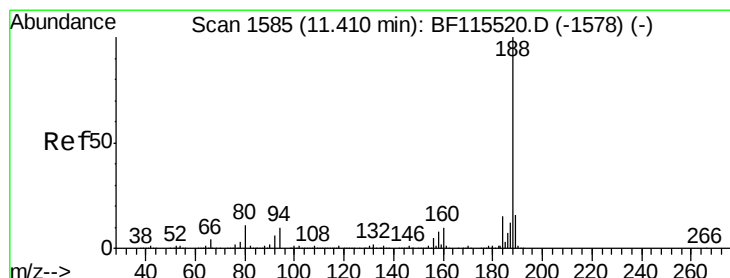
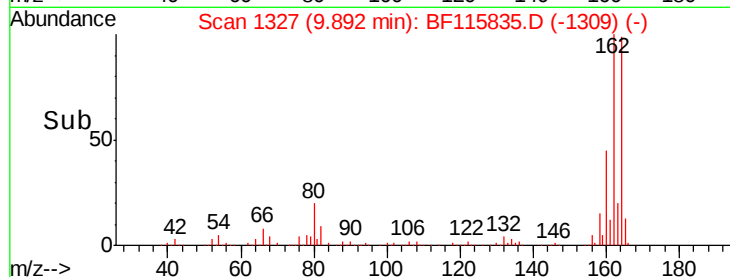
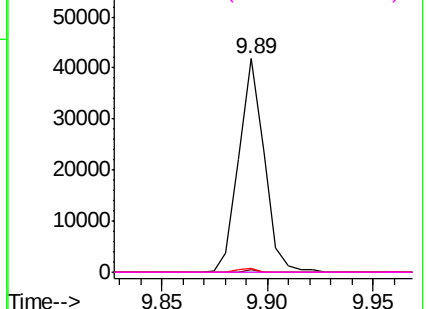


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

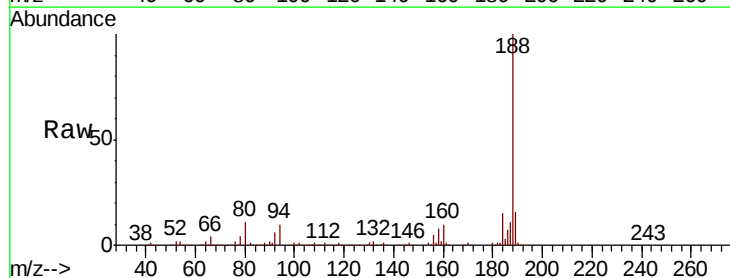
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF115835.D
Acq: 29 Jul 2019 16:41

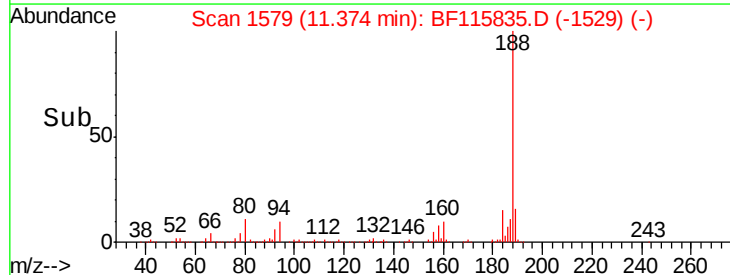
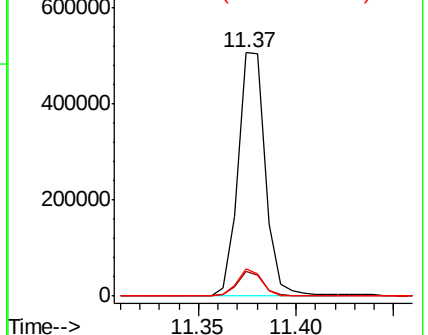
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.7	11.5
80	11.3	8.2	12.2

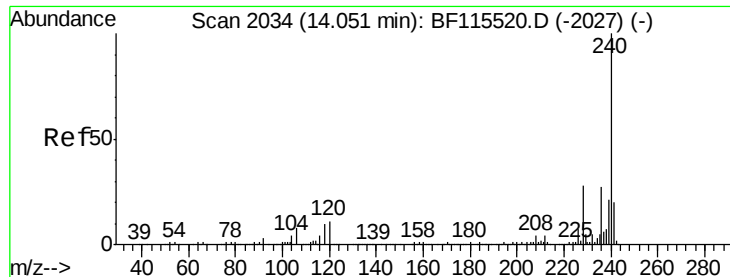


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

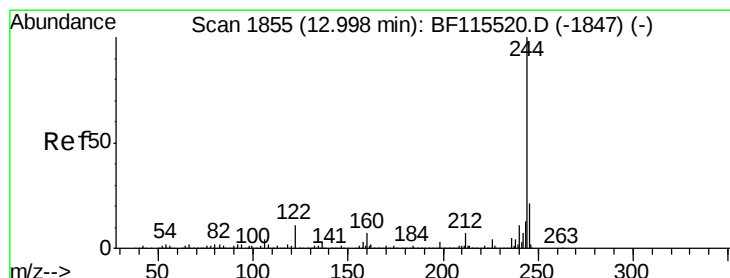
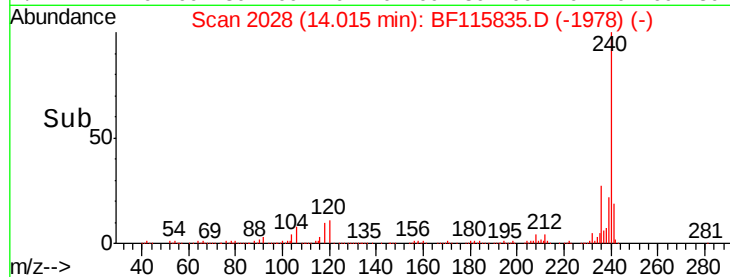
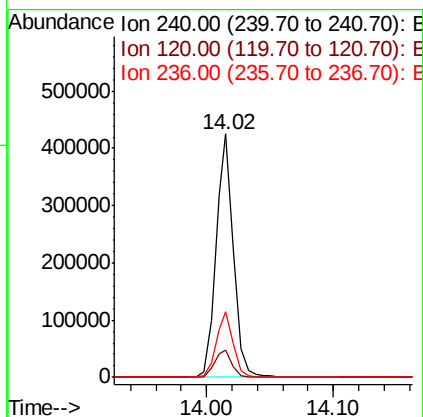
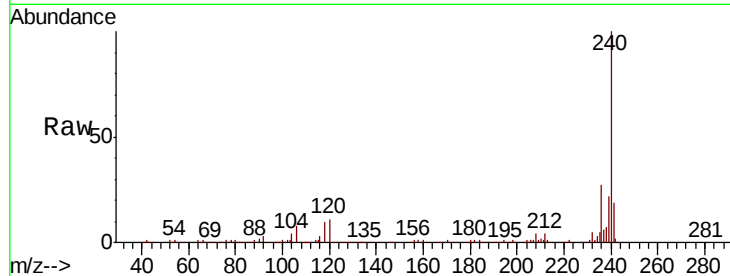




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF115835.D
 Acq: 29 Jul 2019 16:41

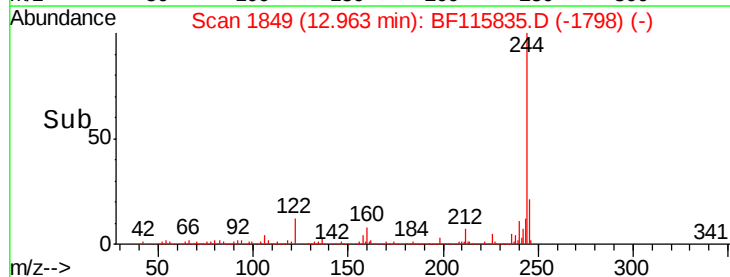
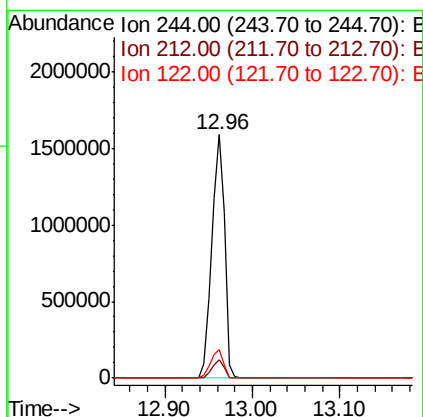
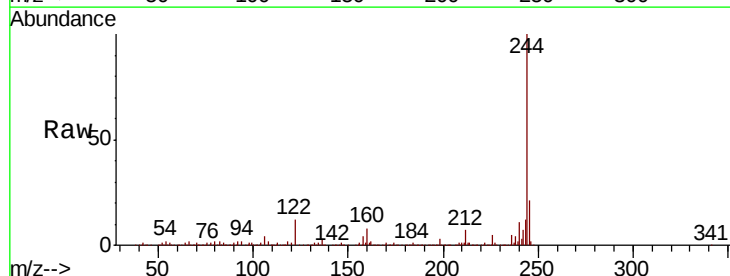
Instrument :
 BNA_F
 ClientSampled :

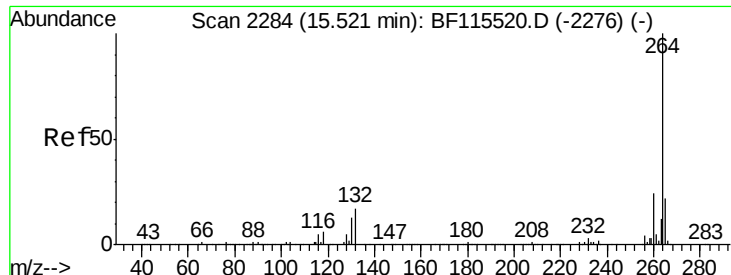
Tot Ion:240 Resp: 408893
 Ion Ratio Lower Upper
 240 100
 120 11.4 9.4 14.0
 236 27.2 22.3 33.5



#79
 Terphenyl-d14
 Concen: 73.093 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BF115835.D
 Acq: 29 Jul 2019 16:41

Tgt Ion:244 Resp: 1619750
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.7 8.5
 122 11.7 9.3 13.9





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. -0.01 min
 Lab File: BF115835.D
 Acq: 29 Jul 2019 16:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.6
265	21.5	17.7	26.5

