

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
 Data File : BF116926.D
 Acq On : 10 Sep 2019 17:34
 Operator : HP/JU
 Sample : K4656-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 00:59:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

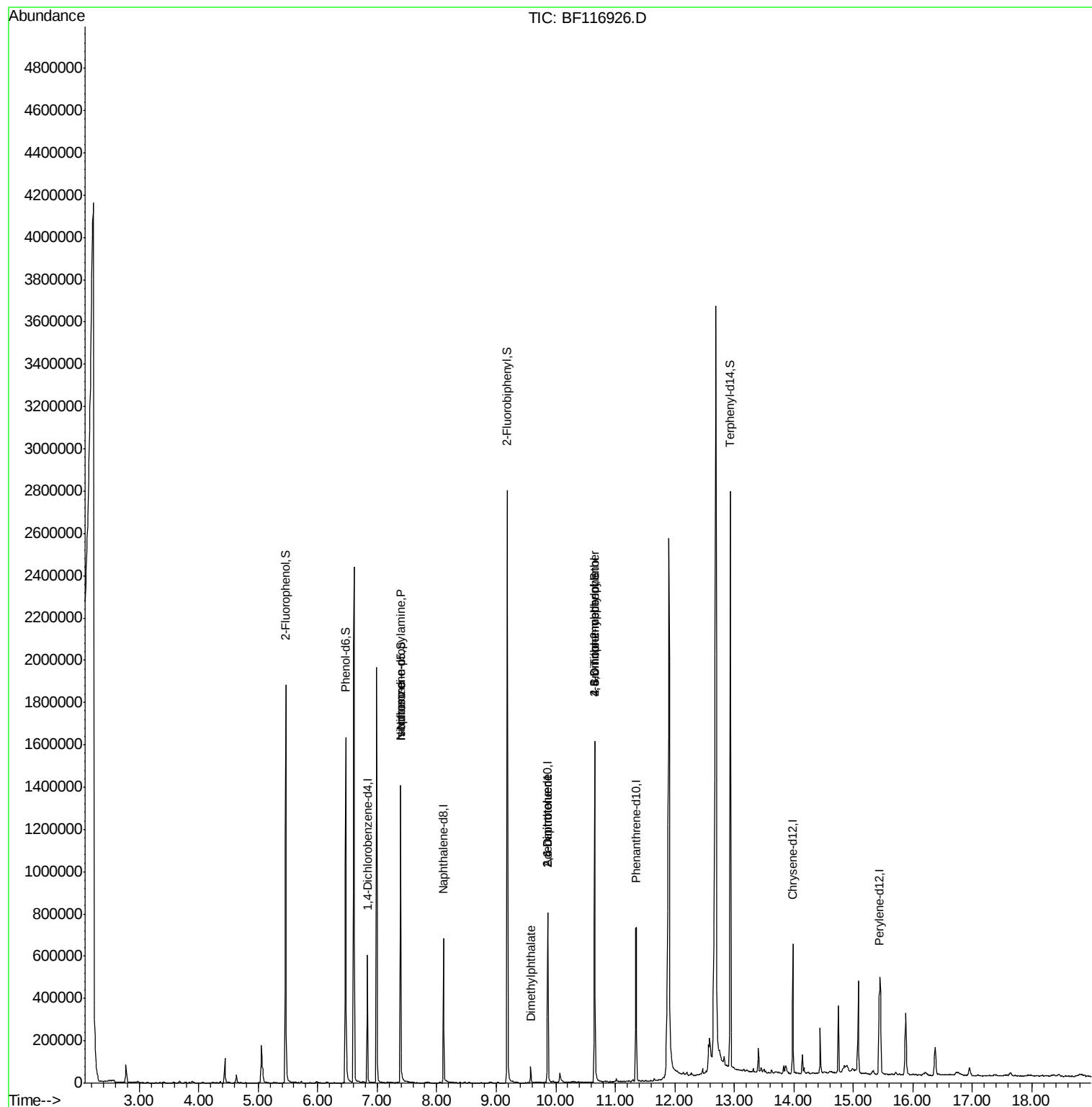
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	84226	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	332137	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	169167	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	280150	20.00	ng	0.00
76) Chrysene-d12	13.98	240	187803	20.00	ng	0.00
87) Perylene-d12	15.43	264	167686	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	581159	111.78	ng	0.01
7) Phenol-d6	6.47	99	698877	102.37	ng	0.00
23) Nitrobenzene-d5	7.39	82	536776	92.26	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	188115	166.34	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	897125	89.46	ng	0.00
79) Terphenyl-d14	12.93	244	912256	89.86	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	72178	16.057	ng	# 73
25) Isophorone	7.39	82	536773	45.530	ng	# 66
50) Dimethylphthalate	9.57	163	33846	2.898	ng	# 99
51) 2,6-Dinitrotoluene	9.86	165	21780	9.774	ng	# 20
57) 2,4-Dinitrotoluene	9.86	165	21780	7.994	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.66	198	453	7.822	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	12175	4.278	ng	# 1

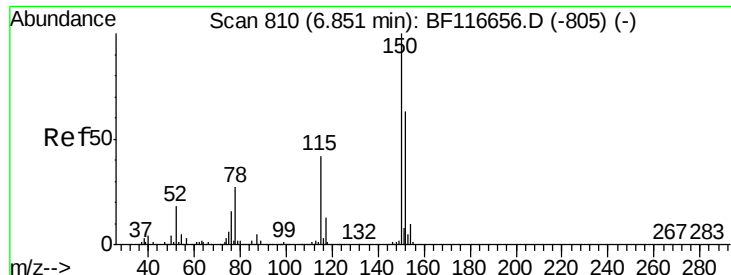
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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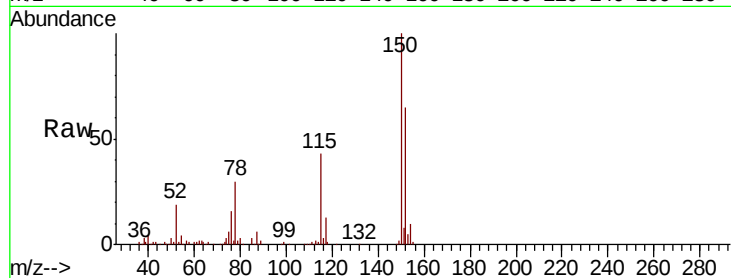


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF116926.D
Acq: 10 Sep 2019 17:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.4	186.6
115	66.2	49.9	74.9

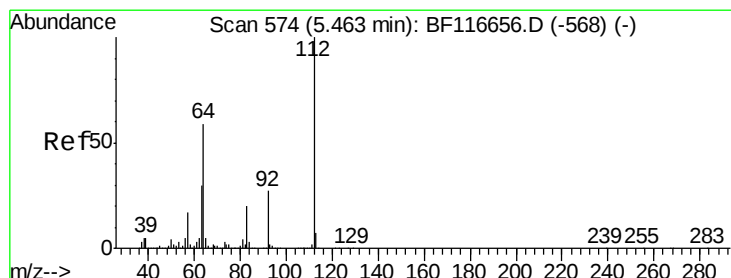
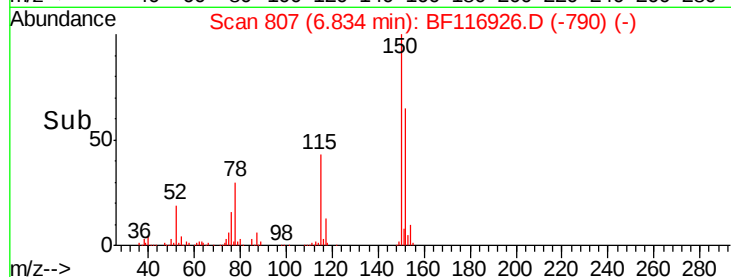
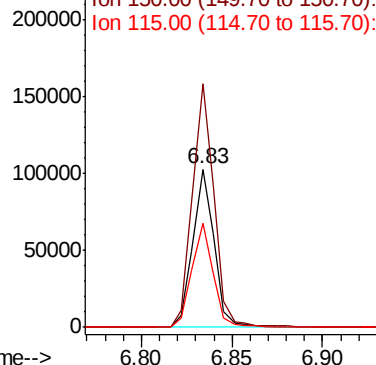


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

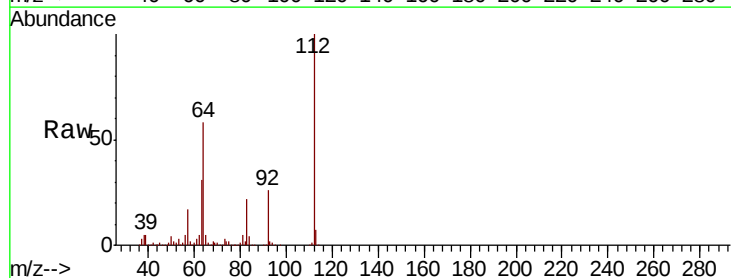
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 111.784 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.01 min
Lab File: BF116926.D
Acq: 10 Sep 2019 17:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.1	70.7
63	31.1	24.9	37.3

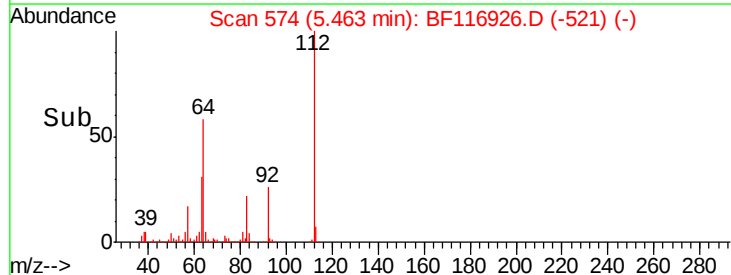
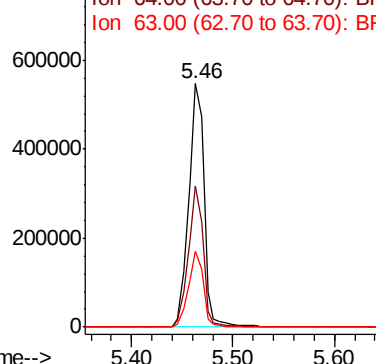


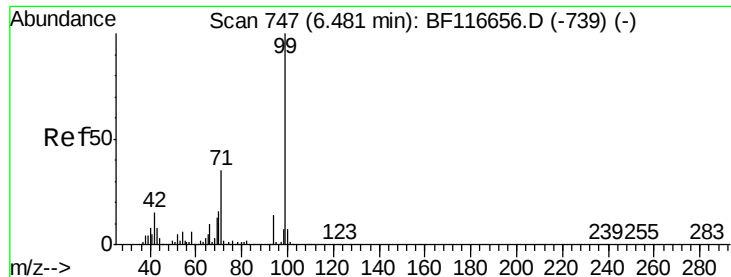
Abundance

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: 102.373 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116926.D

Acq: 10 Sep 2019 17:34

Instrument :

BNA_F

ClientSampleId :

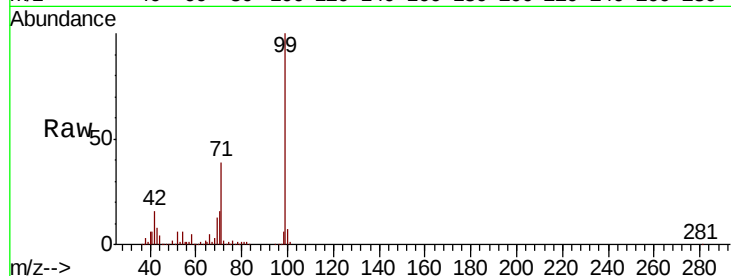
Tot Ion: 99 Resp: 698877

Ion Ratio Lower Upper

99 100

42 15.7 13.7 20.5

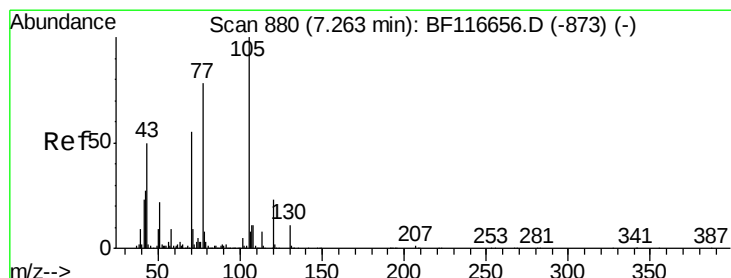
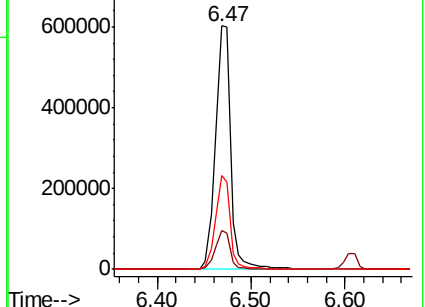
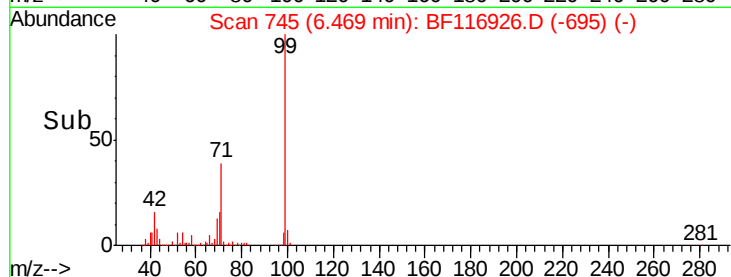
71 38.7 30.8 46.2



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: 16.057 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF116926.D

Acq: 10 Sep 2019 17:34

Tgt Ion: 70 Resp: 72178

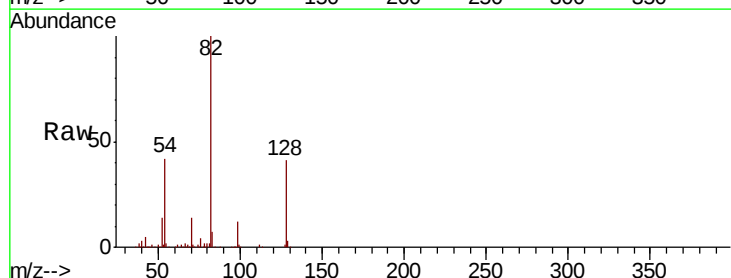
Ion Ratio Lower Upper

70 100

42 38.0 43.5 65.3#

101 0.0 7.8 11.6#

130 2.7 16.6 24.8#

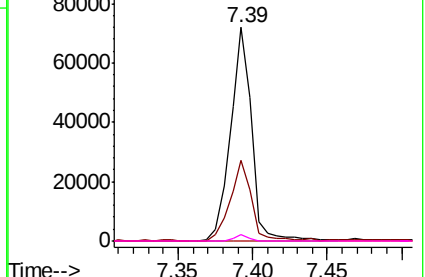
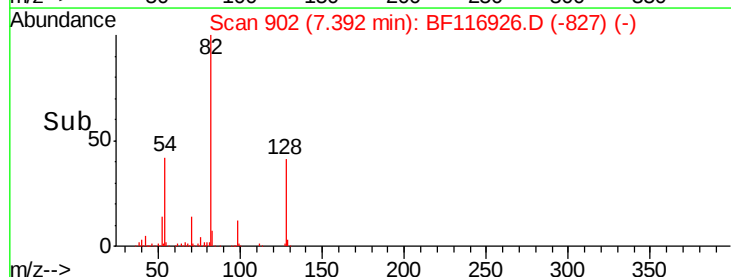


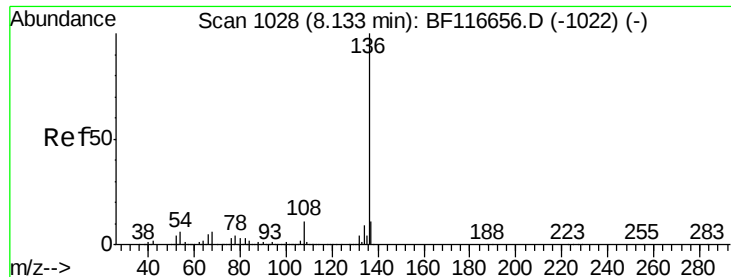
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

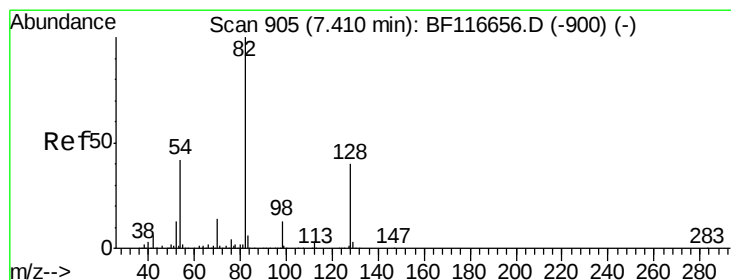
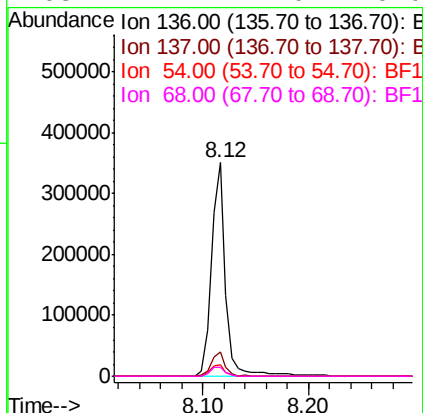
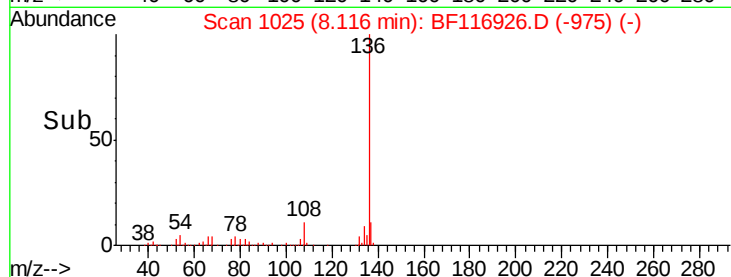
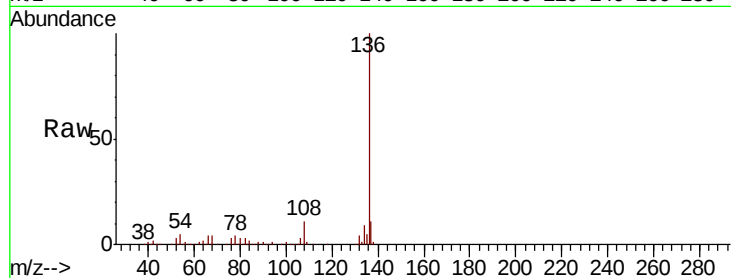




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116926.D
Acq: 10 Sep 2019 17:34

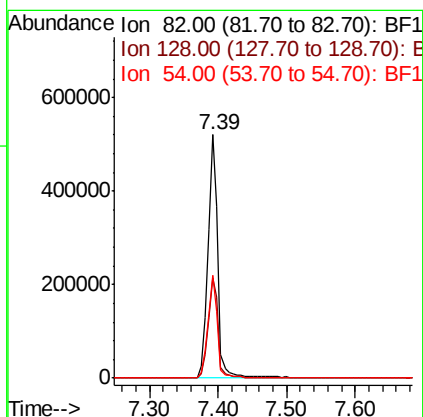
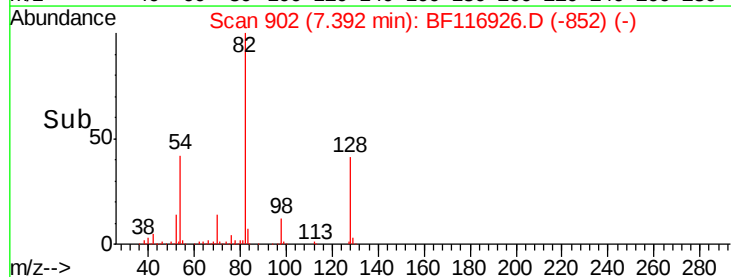
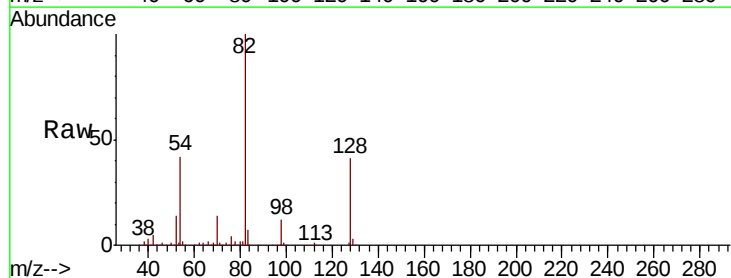
Instrument :
BNA_F
ClientSampleId :

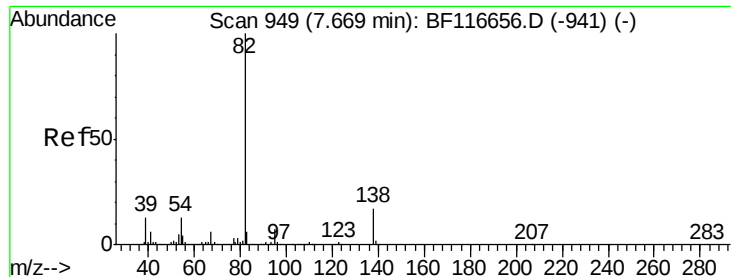
Tot Ion:136	Resp:	332137
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	5.3	4.8 7.2
68	4.4	4.0 6.0



#23
Nitrobenzene-d5
Concen: 92.260 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF116926.D
Acq: 10 Sep 2019 17:34

Tgt Ion: 82	Resp:	536776
Ion Ratio	Lower	Upper
82	100	
128	41.4	32.8 49.2
54	42.1	36.9 55.3





#25

Isophorone

Concen: 45.530 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF116926.D

Acq: 10 Sep 2019 17:34

Instrument :

BNA_F

ClientSampleId :

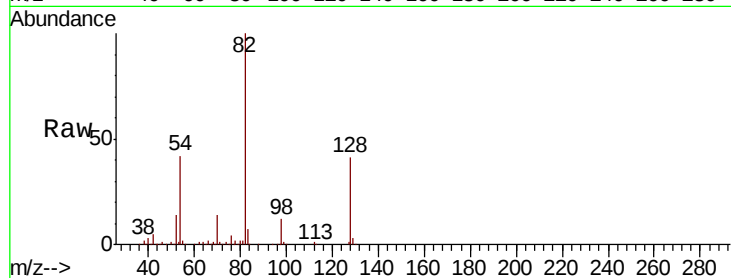
Tot Ion: 82 Resp: 536773

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

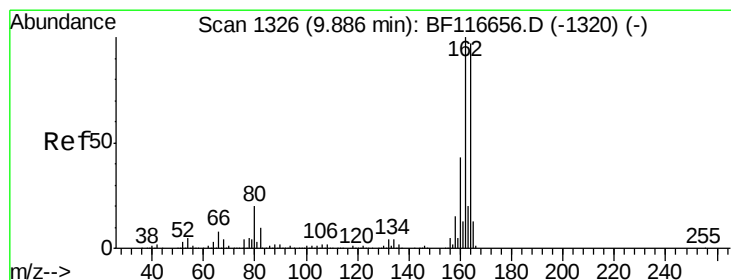
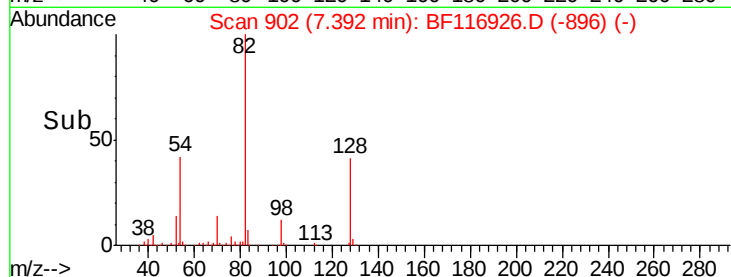
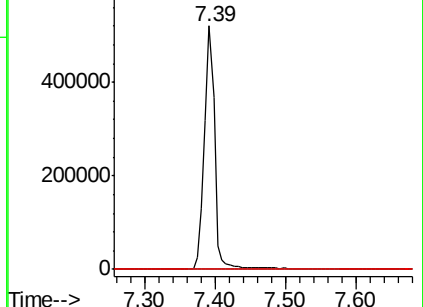
138 0.0 13.5 20.3#



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: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF116926.D

Acq: 10 Sep 2019 17:34

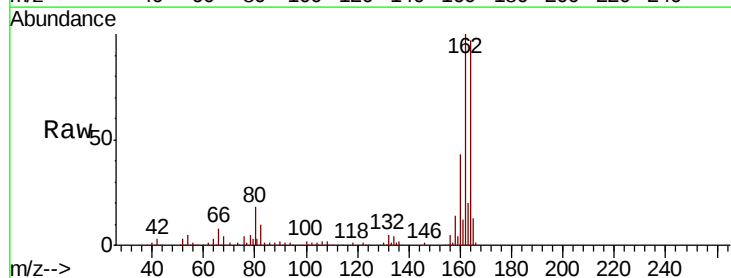
Tgt Ion: 164 Resp: 169167

Ion Ratio Lower Upper

164 100

162 103.1 81.4 122.0

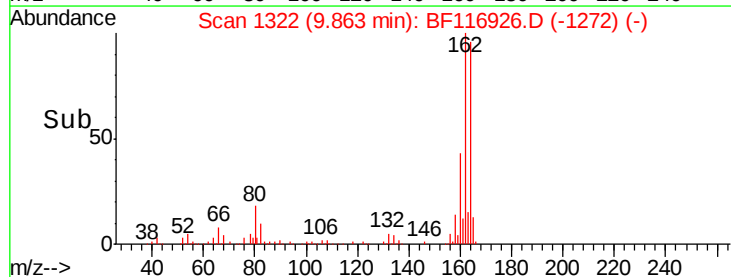
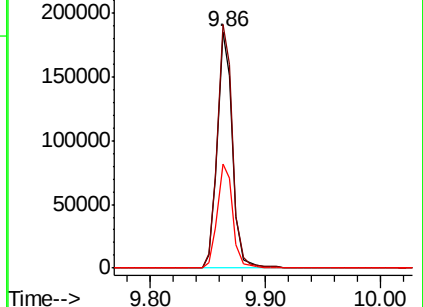
160 44.0 35.4 53.2

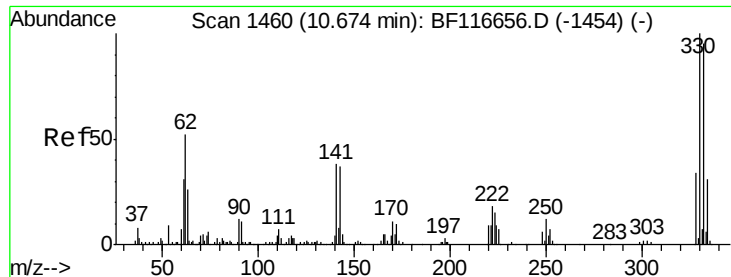


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

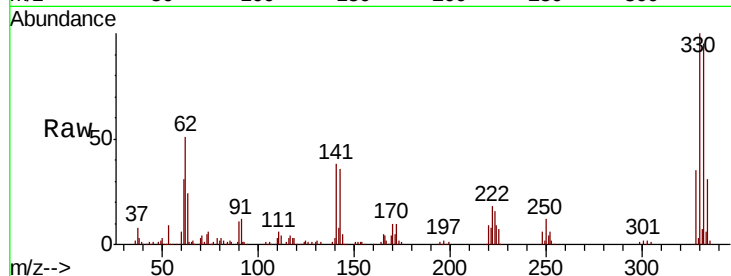




#42
 2,4,6-Tribromophenol
 Concen: 166.338 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF116926.D
 Acq: 10 Sep 2019 17:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.9	115.3
141	45.0	31.4	47.2

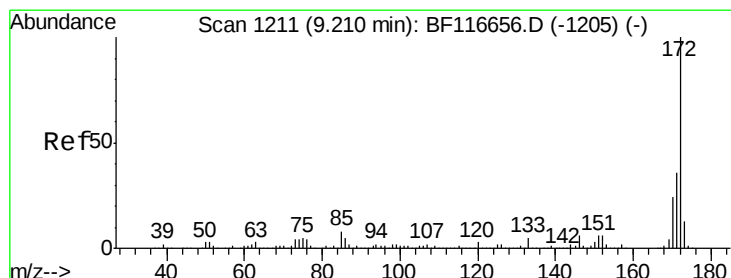
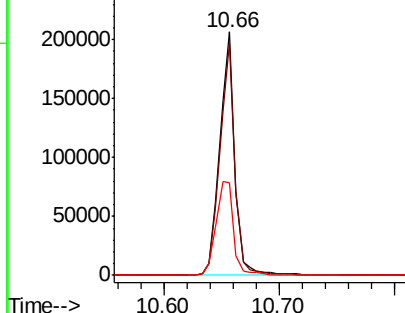
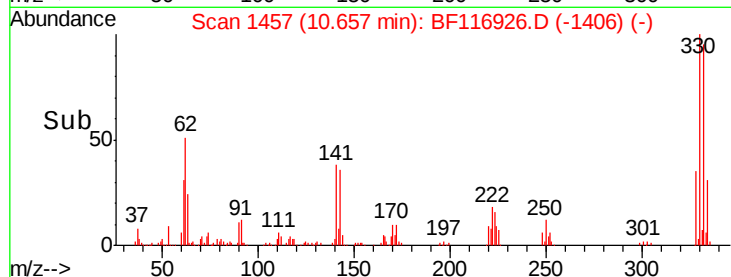


Abundance

Ion 329.80 (329.50 to 330.50): E

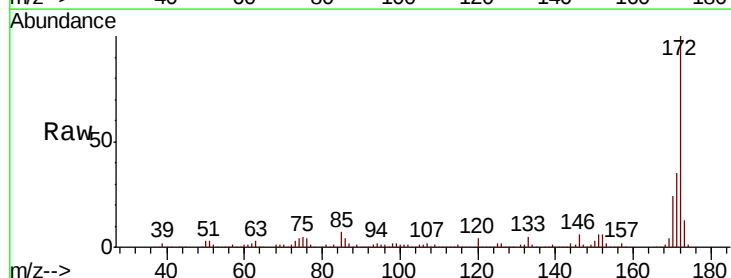
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 89.459 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF116926.D
 Acq: 10 Sep 2019 17:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.8	41.6
170	24.1	18.9	28.3

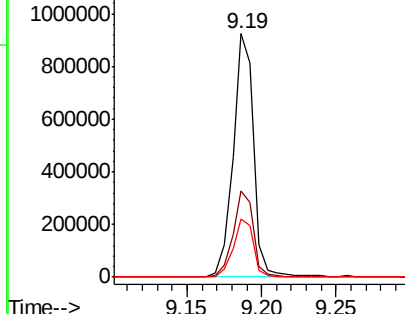
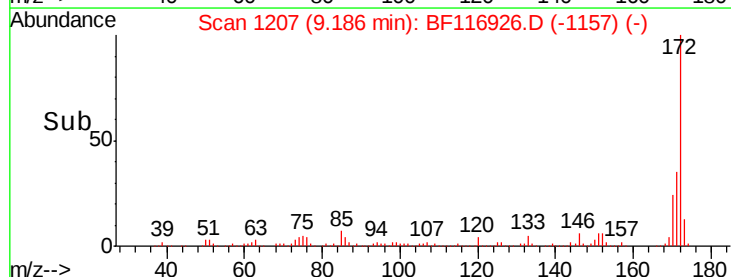


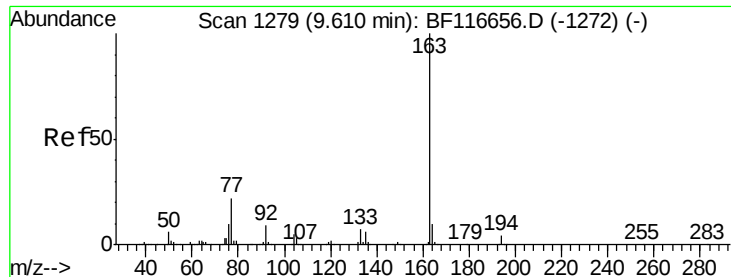
Abundance

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

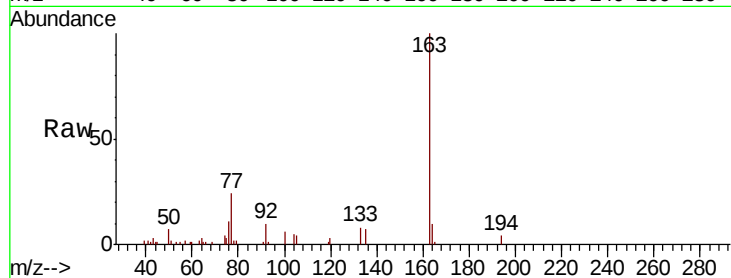




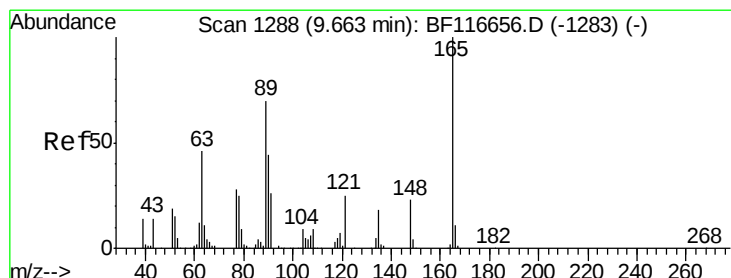
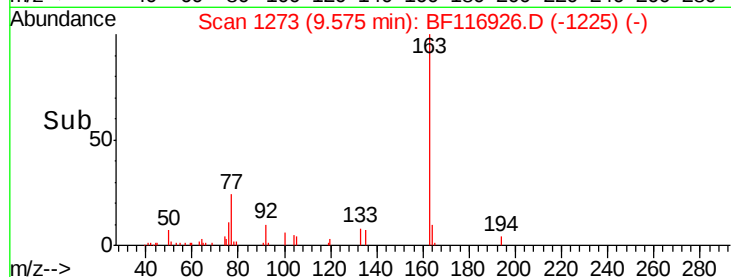
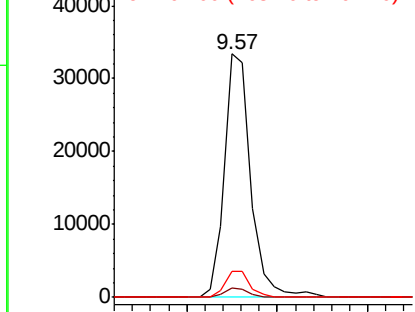
#50
Dimethylphthalate
Concen: 2.898 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF116926.D
Acq: 10 Sep 2019 17:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 33846
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 10.5 8.6 12.8

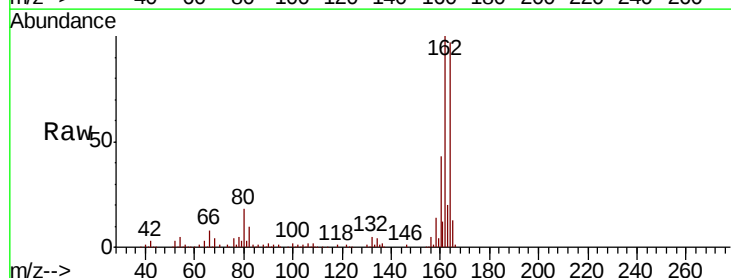


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

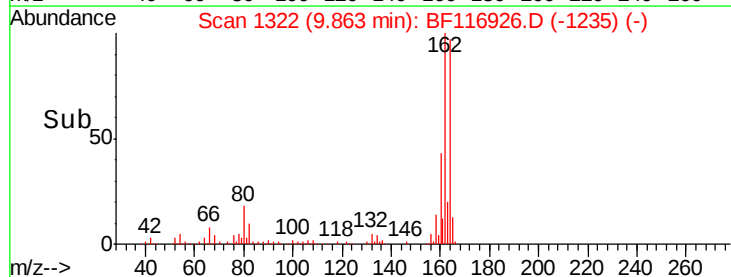
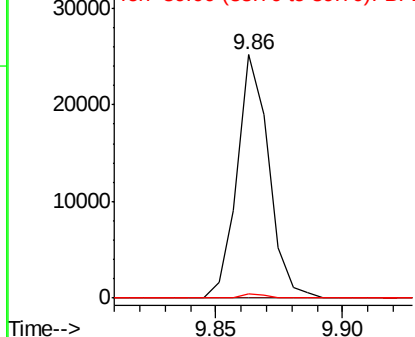


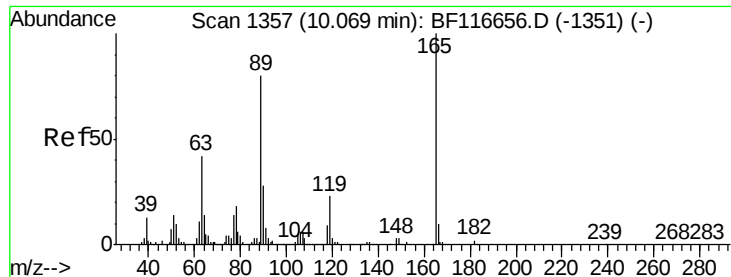
#51
2,6-Dinitrotoluene
Concen: 9.774 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.21 min
Lab File: BF116926.D
Acq: 10 Sep 2019 17:34

Tgt Ion:165 Resp: 21780
Ion Ratio Lower Upper
165 100
63 0.0 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

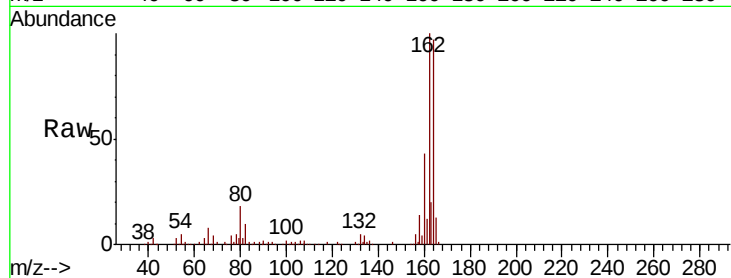




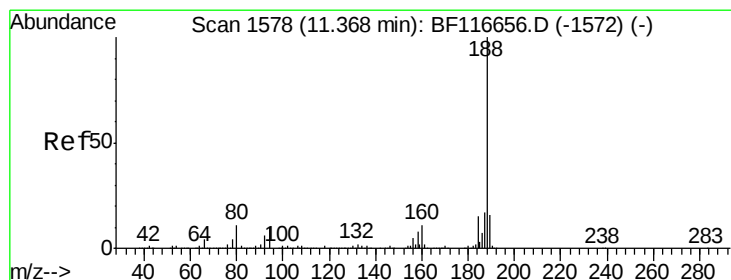
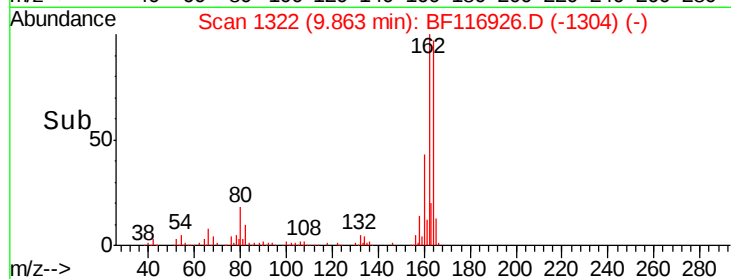
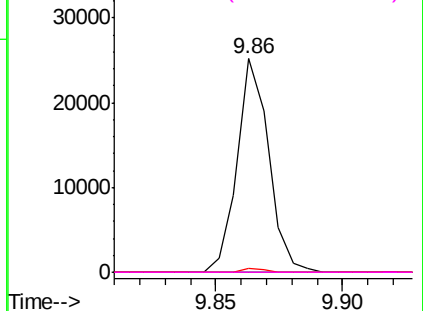
#57
 2,4-Dinitrotoluene
 Concen: 7.994 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.19 min
 Lab File: BF116926.D
 Acq: 10 Sep 2019 17:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	21780
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.6	62.6	94.0#
182	0.0	2.1	3.1#

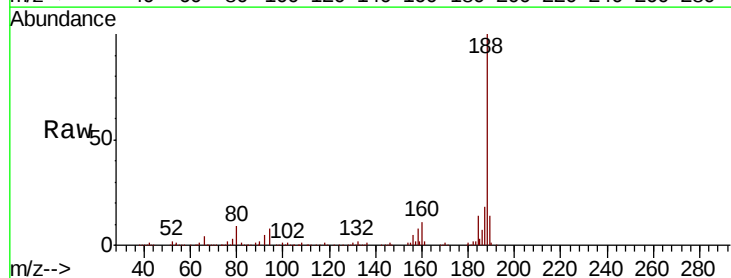


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

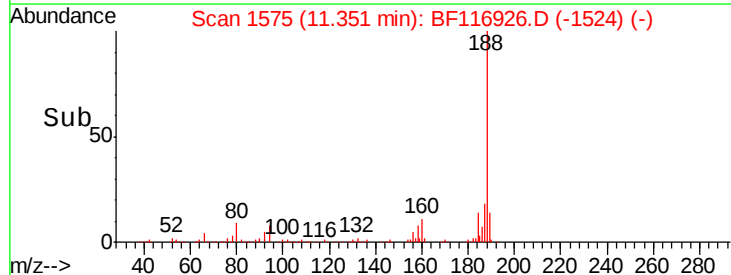
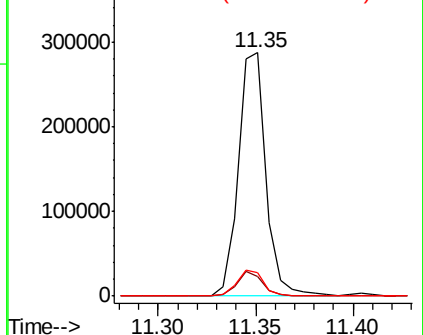


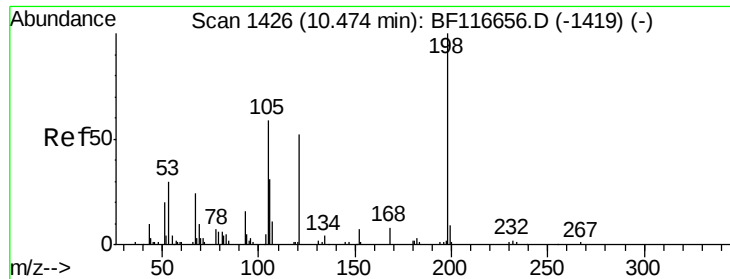
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF116926.D
 Acq: 10 Sep 2019 17:34

Tgt Ion:	188	Resp:	280150
Ion	Ratio	Lower	Upper
188	100		
94	7.9	7.3	10.9
80	9.4	8.4	12.6



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





#65

4,6-Dinitro-2-methylphenol

Concen: 7.822 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.19 min

Lab File: BF116926.D

Acq: 10 Sep 2019 17:34

Instrument :

BNA_F

ClientSampleId :

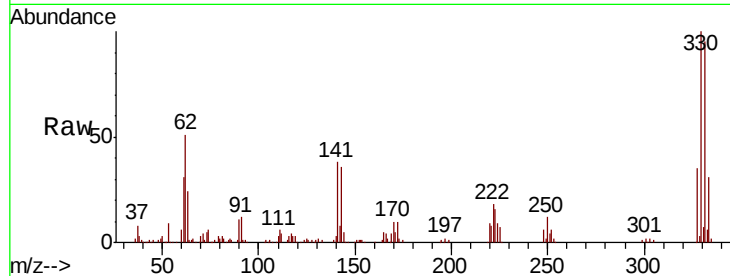
Tot Ion:198 Resp: 453

Ion Ratio Lower Upper

198 100

51 78.5 18.4 58.4#

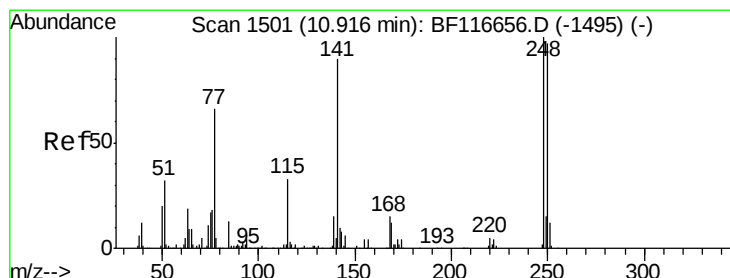
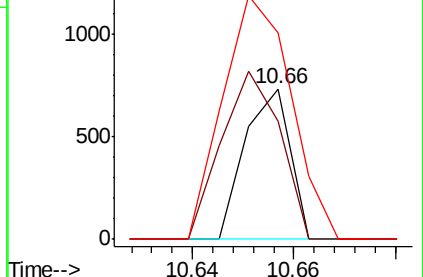
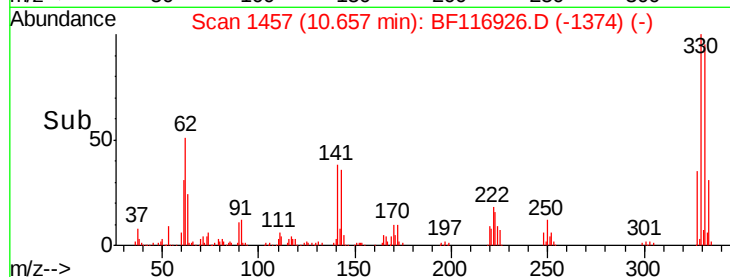
105 137.1 22.9 62.9#



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: 4.278 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.24 min

Lab File: BF116926.D

Acq: 10 Sep 2019 17:34

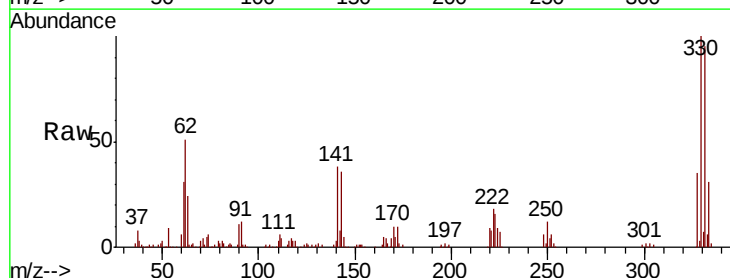
Tgt Ion:248 Resp: 12175

Ion Ratio Lower Upper

248 100

250 207.2 77.8 116.8#

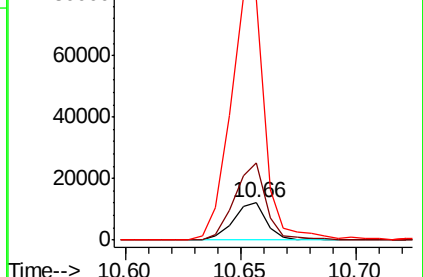
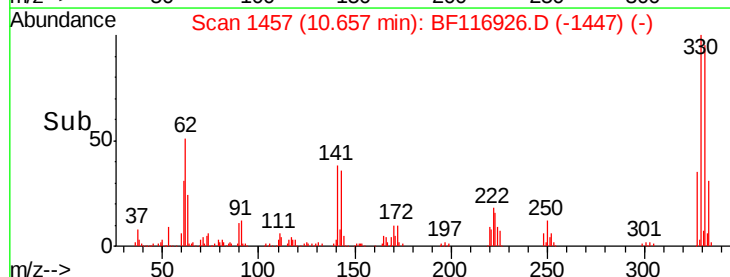
141 650.7 75.9 113.9#

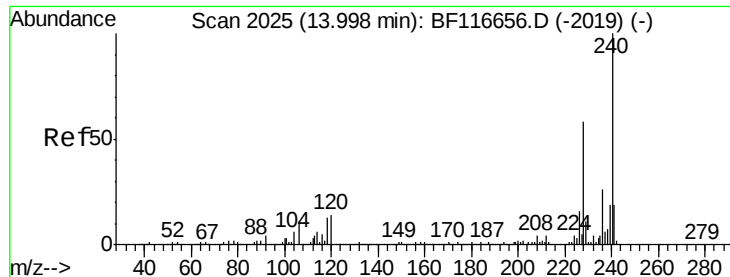


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

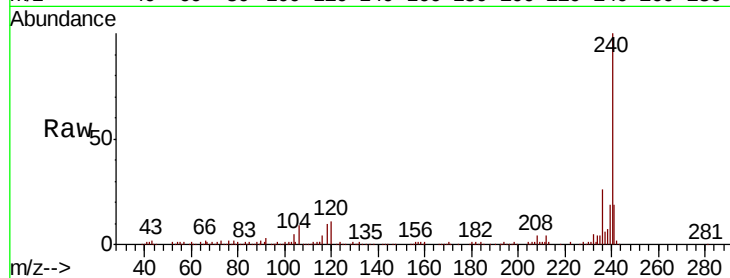




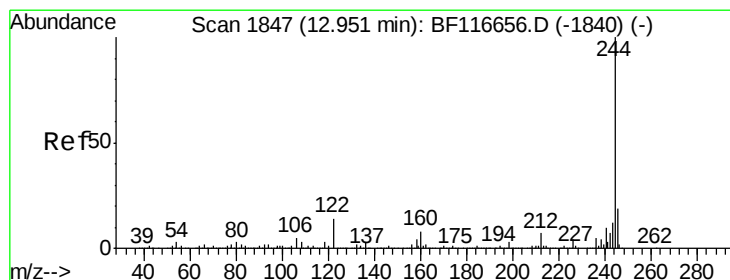
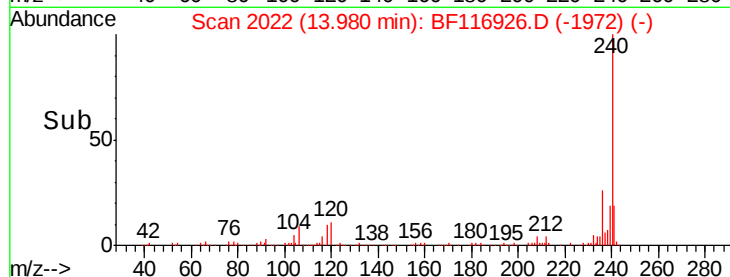
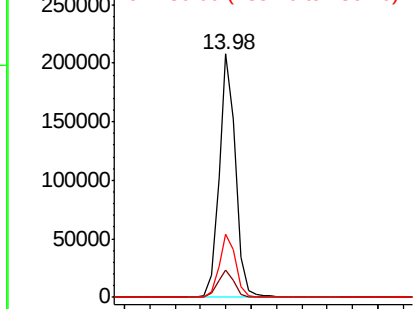
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116926.D
Acq: 10 Sep 2019 17:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:240 Resp: 187803
Ion Ratio Lower Upper
240 100
120 11.1 9.1 13.7
236 25.8 21.1 31.7

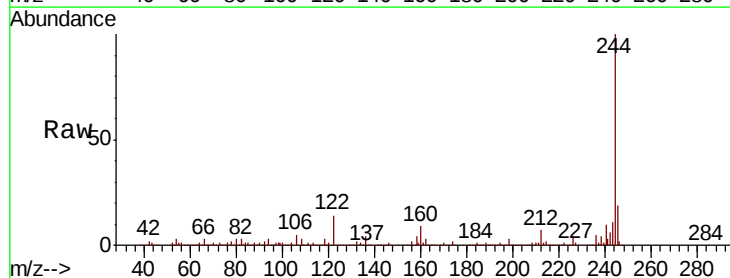


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

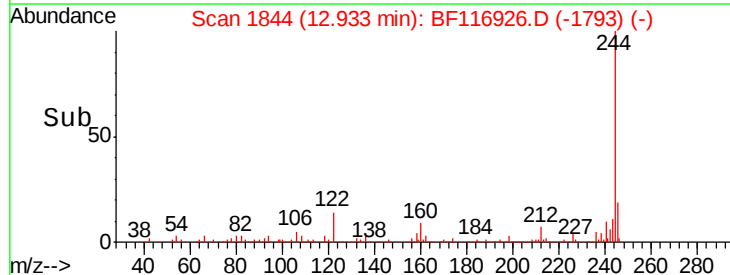
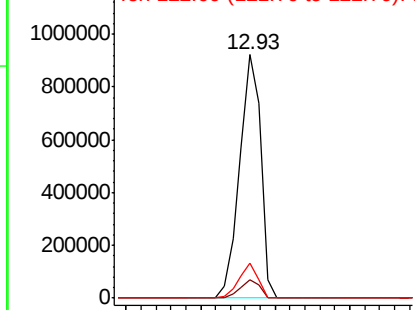


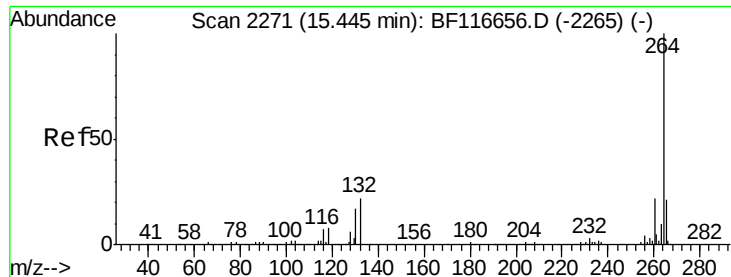
#79
Terphenyl-d14
Concen: 89.861 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF116926.D
Acq: 10 Sep 2019 17:34

Tgt Ion:244 Resp: 912256
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 14.2 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
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF116926.D
Acq: 10 Sep 2019 17:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	167686
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	20.6	16.5	24.7

