

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093019\
 Data File : BF117275.D
 Acq On : 30 Sep 2019 21:48
 Operator : JU
 Sample : K5038-03DL2 150X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 01 01:41:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	20645	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	85091	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	37807	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	55935	20.00	ng	0.00
76) Chrysene-d12	13.97	240	53215	20.00	ng	0.00
87) Perylene-d12	15.43	264	53699	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	148	0.11	ng	-0.05
7) Phenol-d6	6.52	99	107	0.06	ng	0.06
23) Nitrobenzene-d5	7.39	82	115	0.07	ng	0.00
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	9.17	172	1185	0.49	ng	0.00
79) Terphenyl-d14	12.91	244	1437	0.50	ng	0.00

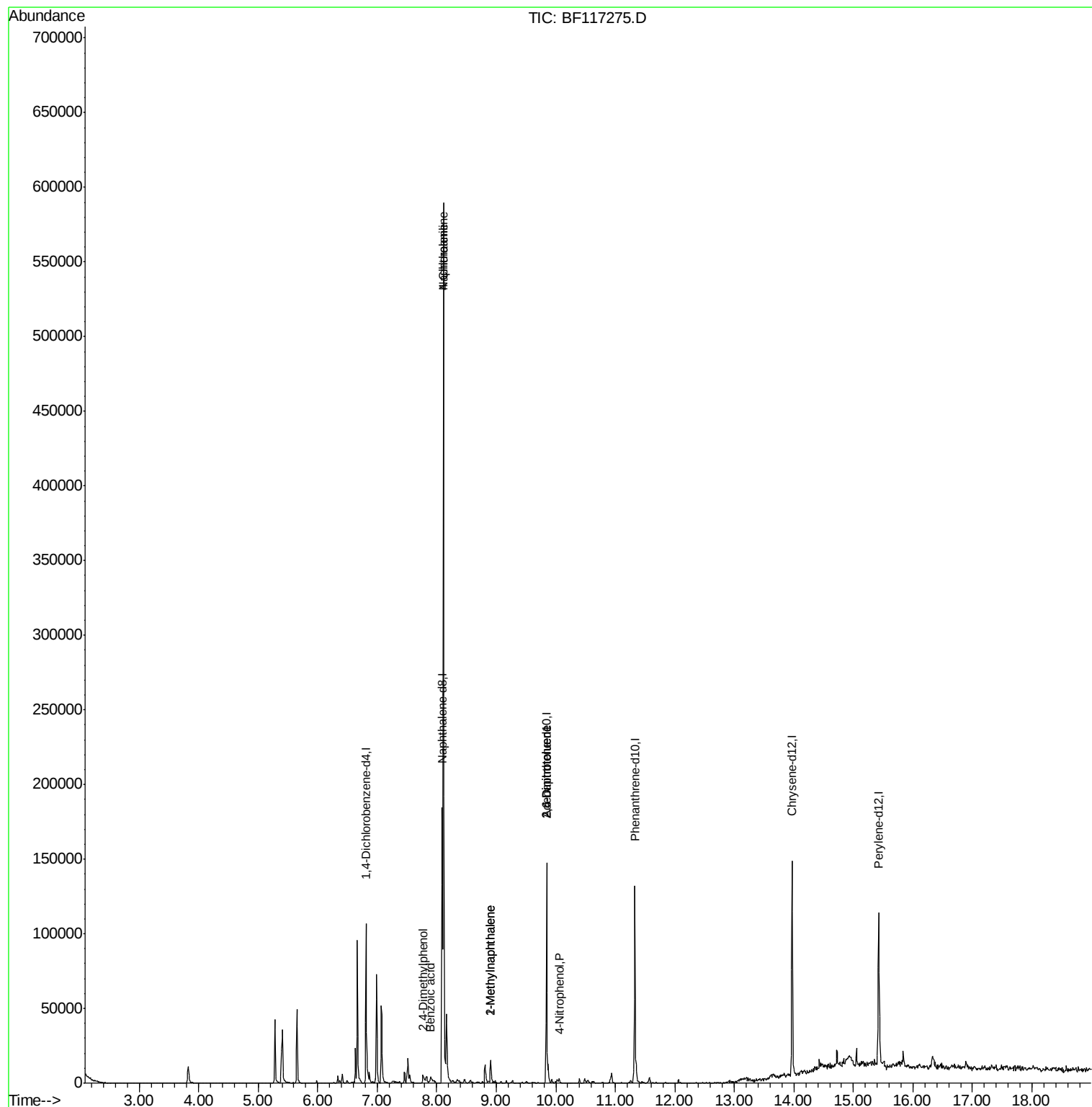
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.34	77	253	Below Cal		# 1
27) 2,4-Dimethylphenol	7.77	122	3222	2.958	ng	96
31) Naphthalene	8.12	128	301124	73.582	ng	98
32) Benzoic acid	7.90	122	3445	10.207	ng	# 6
33) 4-Chloroaniline	8.12	127	37716	20.779	ng	# 29
37) 2-Methylnaphthalene	8.90	142	7235	2.625	ng	97
38) 1-Methylnaphthalene	8.90	142	7235	2.803	ng	# 99
51) 2,6-Dinitrotoluene	9.84	165	4894	8.976	ng	# 24
56) 4-Nitrophenol	10.06	139	1063	2.384	ng	# 4
57) 2,4-Dinitrotoluene	9.84	165	4894	6.915	ng	# 18

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

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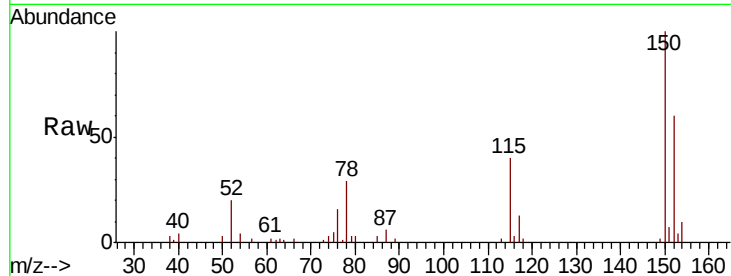


#1

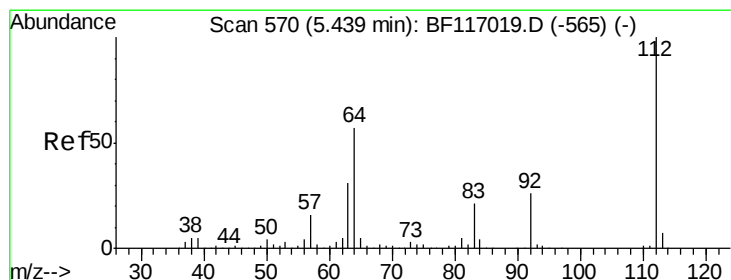
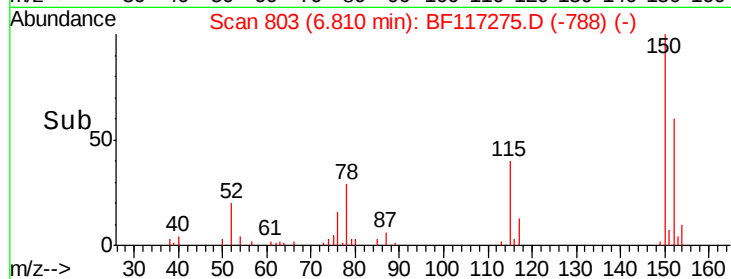
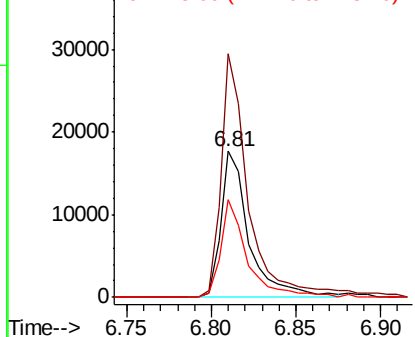
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117275.D
Acq: 30 Sep 2019 21:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 20645
Ion Ratio Lower Upper
152 100
150 166.7 127.5 191.3
115 67.0 55.0 82.4



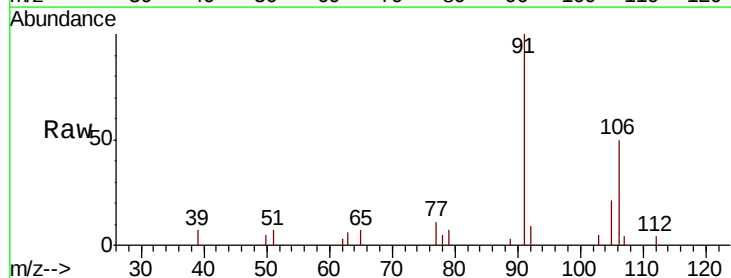
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



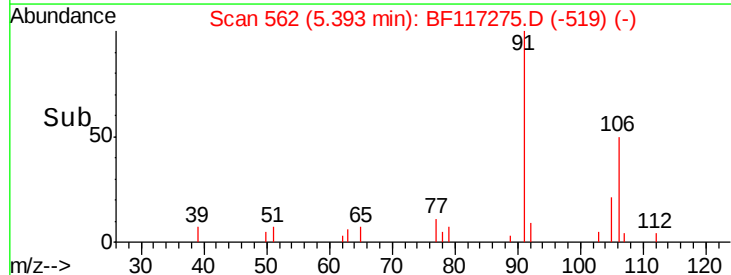
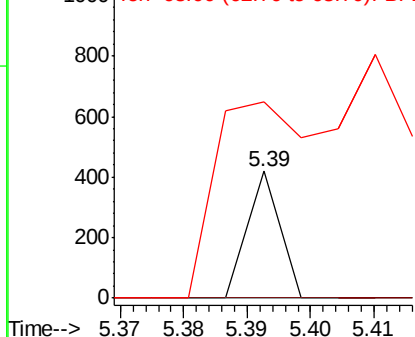
#5

2-Fluorophenol
Concen: 0.112 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.05 min
Lab File: BF117275.D
Acq: 30 Sep 2019 21:48

Tgt Ion:112 Resp: 148
Ion Ratio Lower Upper
112 100
64 0.0 45.7 68.5#
63 154.3 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: 0.063 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.06 min

Lab File: BF117275.D

Acq: 30 Sep 2019 21:48

Instrument :

BNA_F

ClientSampleId :

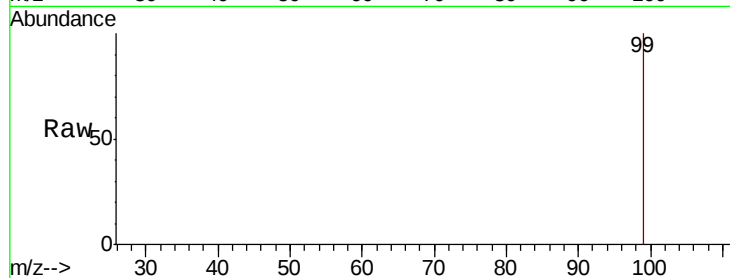
Tot Ion: 99 Resp: 107

Ion Ratio Lower Upper

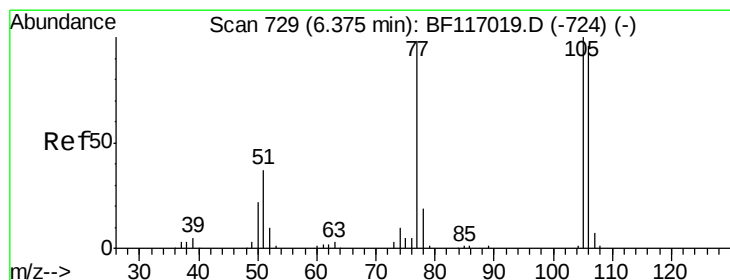
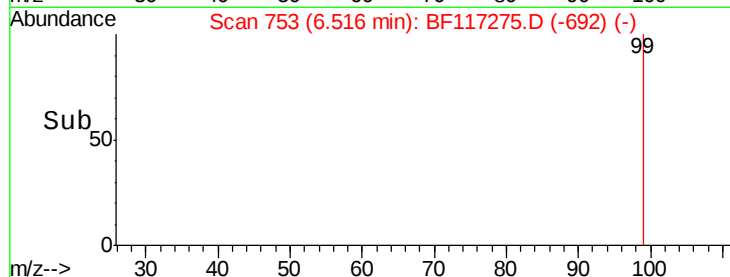
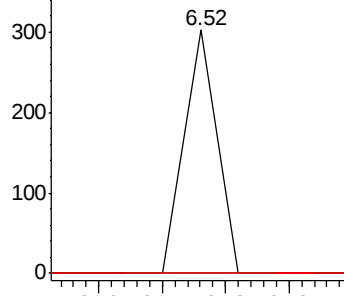
99 100

42 0.0 12.2 18.2#

71 0.0 29.8 44.8#



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.34 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF117275.D

Acq: 30 Sep 2019 21:48

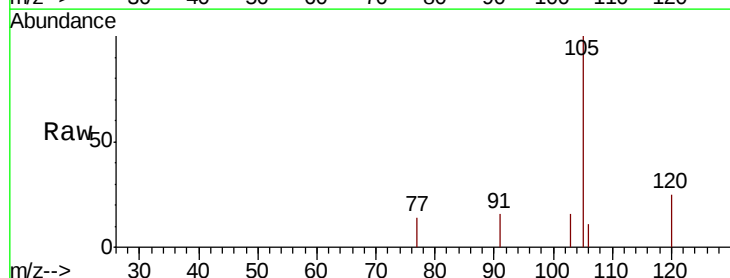
Tgt Ion: 77 Resp: 253

Ion Ratio Lower Upper

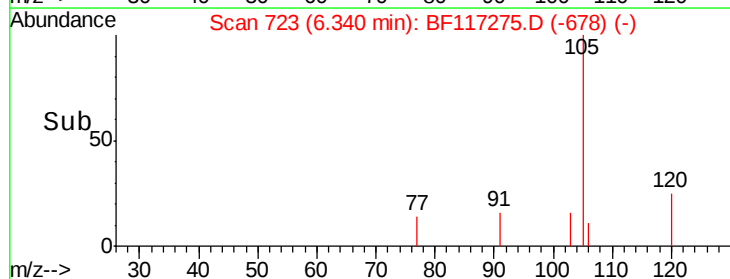
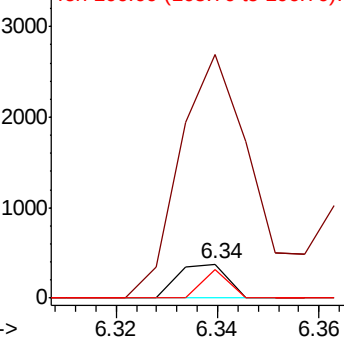
77 100

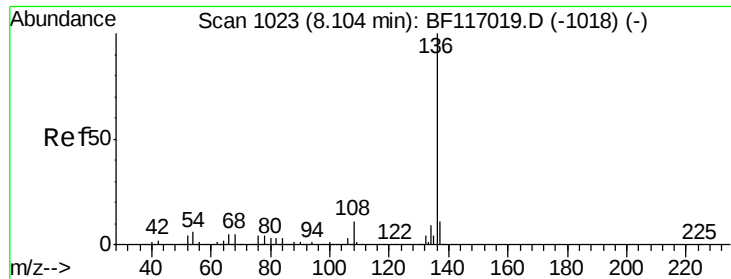
105 714.1 81.8 121.8#

106 82.0 77.3 117.3



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

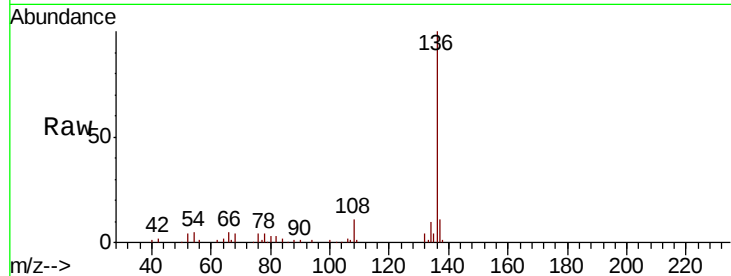




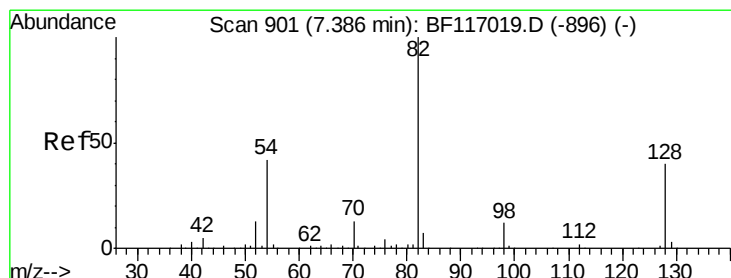
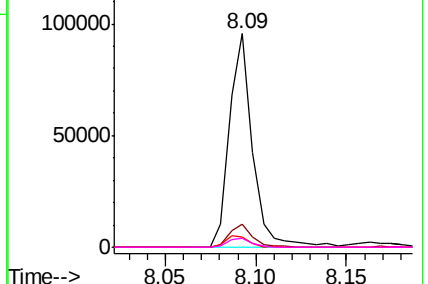
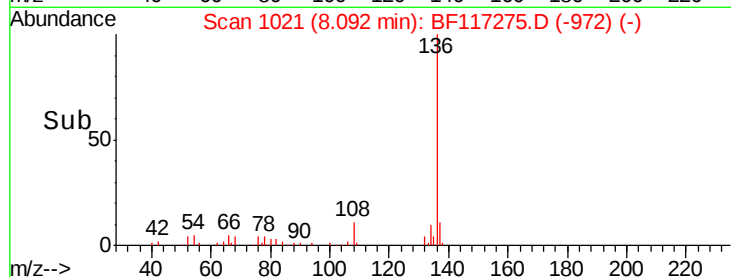
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117275.D
Acq: 30 Sep 2019 21:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	85091
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.4
54	4.6	4.5 6.7
68	4.1	4.0 6.0

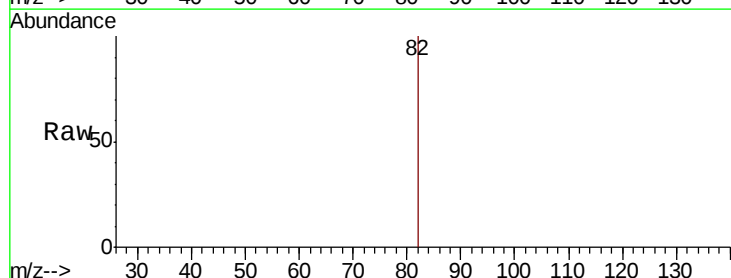


Abundance Ion 136.00 (135.70 to 136.70): E
150000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

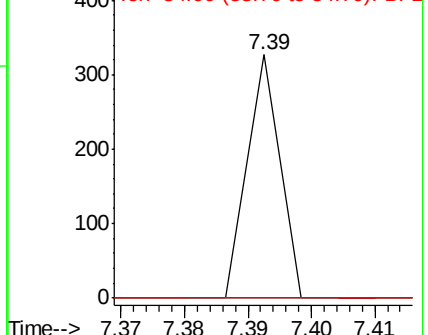
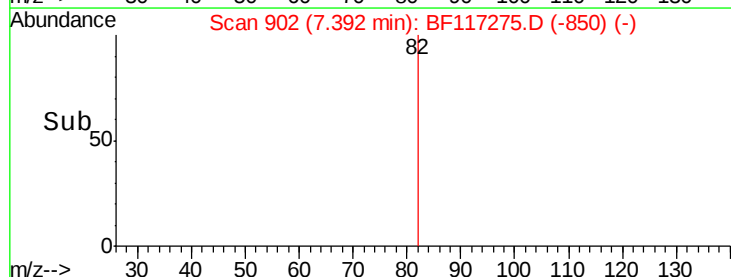


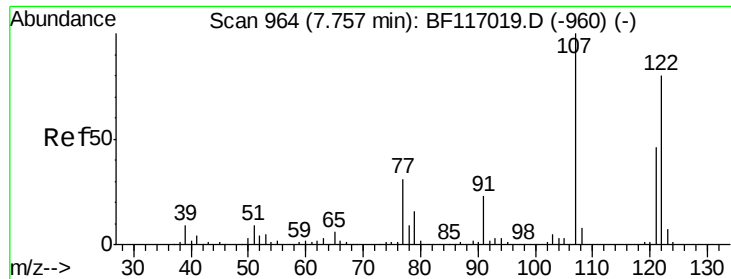
#23
Nitrobenzene-d5
Concen: 0.071 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.01 min
Lab File: BF117275.D
Acq: 30 Sep 2019 21:48

Tgt Ion: 82	Resp:	115
Ion Ratio	Lower	Upper
82	100	
128	0.0	32.3 48.5#
54	0.0	33.3 49.9#



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





#27

2,4-Dimethylphenol

Concen: 2.958 ng

RT: 7.77 min Scan# 967

Delta R.T. 0.02 min

Lab File: BF117275.D

Acq: 30 Sep 2019 21:48

Instrument :

BNA_F

ClientSampleId :

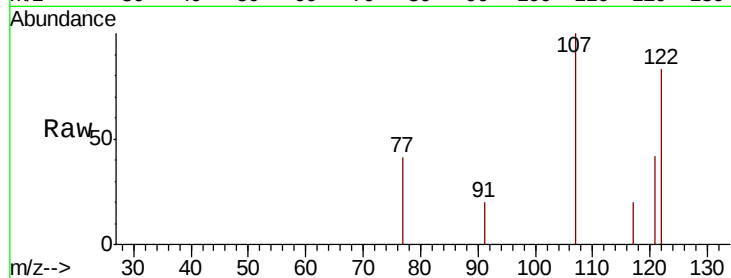
Tot Ion:122 Resp: 3222

Ion Ratio Lower Upper

122 100

107 120.7 98.9 148.3

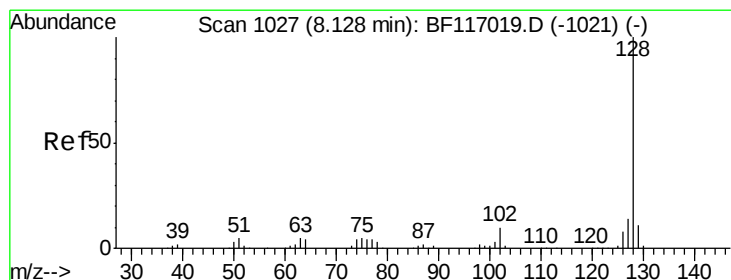
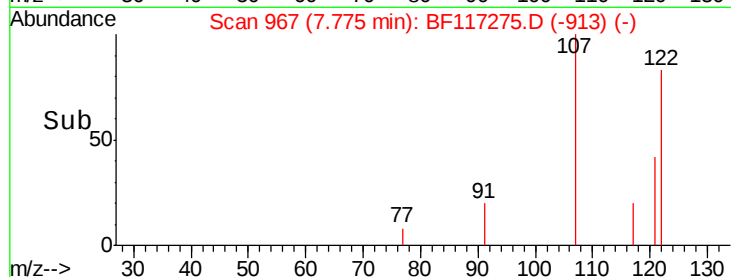
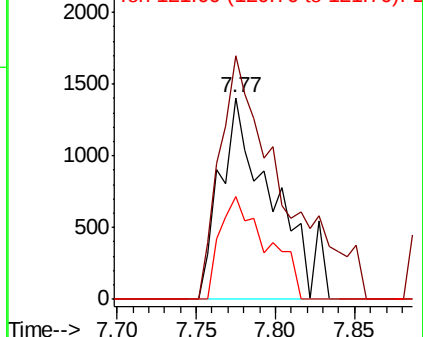
121 51.3 45.3 67.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 73.582 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF117275.D

Acq: 30 Sep 2019 21:48

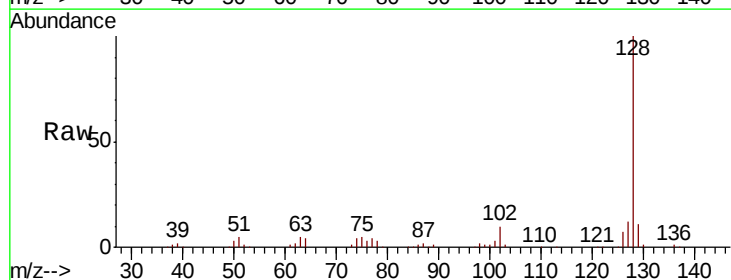
Tgt Ion:128 Resp: 301124

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

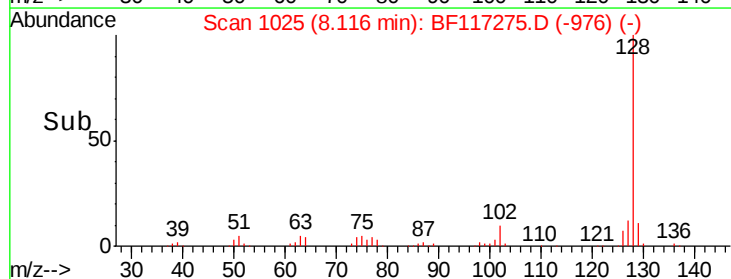
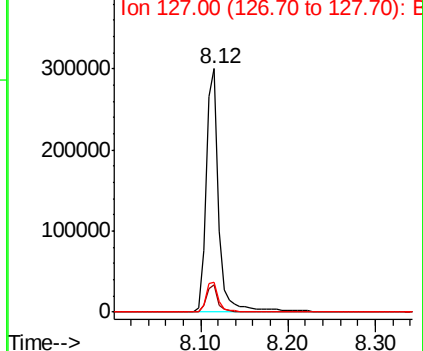
127 12.3 10.8 16.2

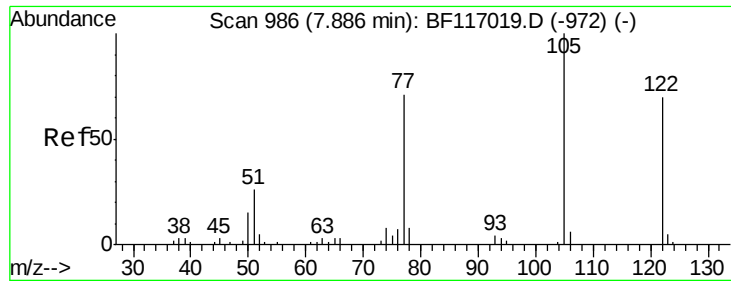


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

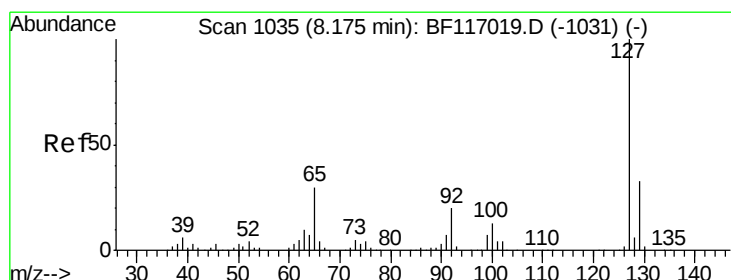
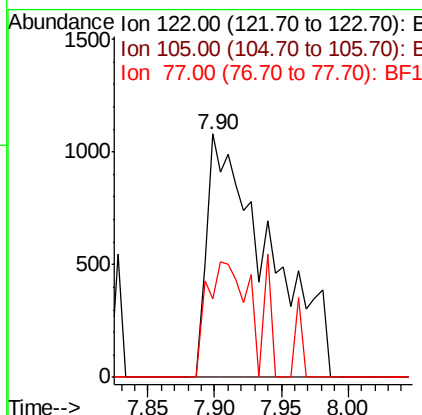
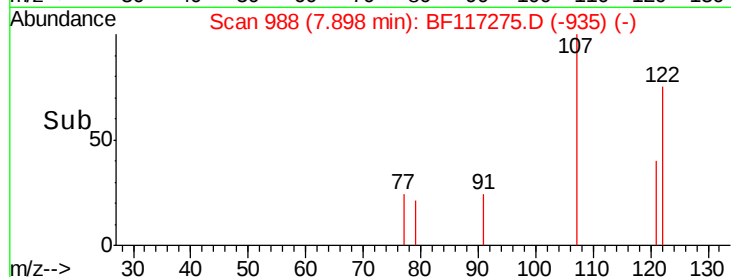
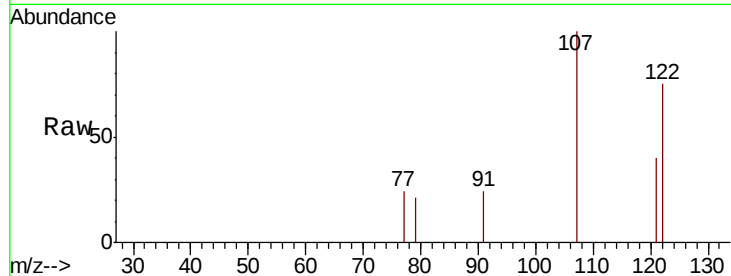




#32
Benzoic acid
Concen: 10.207 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.01 min
Lab File: BF117275.D
Acq: 30 Sep 2019 21:48

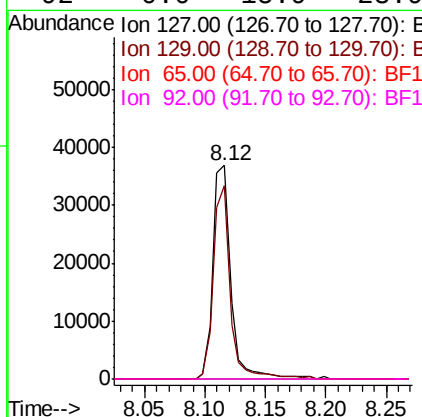
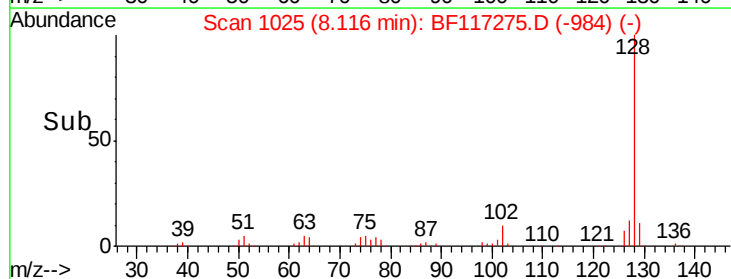
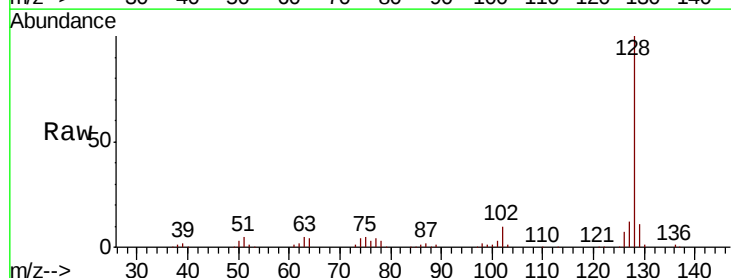
Instrument :
BNA_F
ClientSampled :

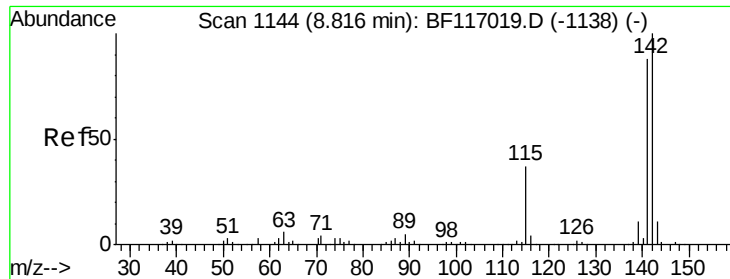
Tot Ion:122 Resp: 3445
Ion Ratio Lower Upper
122 100
105 0.0 114.8 154.8#
77 32.2 78.7 118.7#



#33
4-Chloroaniline
Concen: 20.779 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.06 min
Lab File: BF117275.D
Acq: 30 Sep 2019 21:48

Tgt Ion:127 Resp: 37716
Ion Ratio Lower Upper
127 100
129 90.2 26.2 39.2#
65 0.0 23.5 35.3#
92 0.0 15.9 23.9#

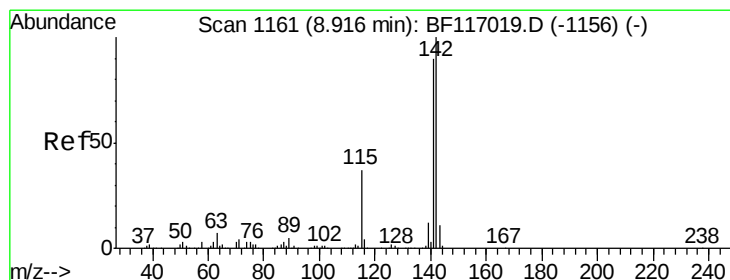
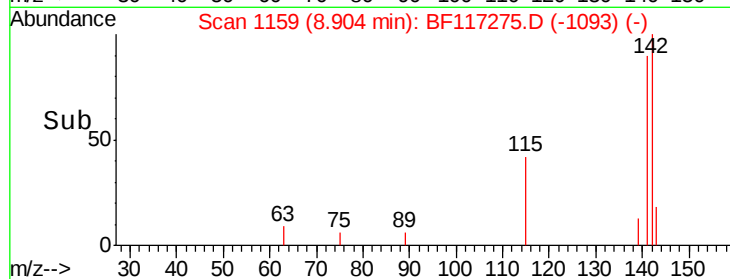
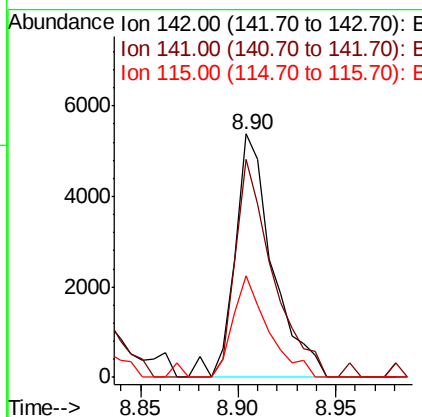
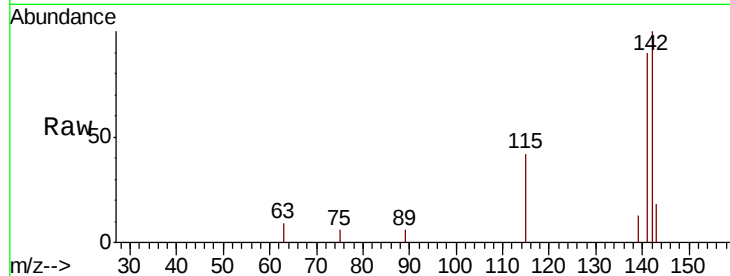




#37
 2-Methylnaphthalene
 Concen: 2.625 ng
 RT: 8.90 min Scan# 1159
 Delta R.T. 0.09 min
 Lab File: BF117275.D
 Acq: 30 Sep 2019 21:48

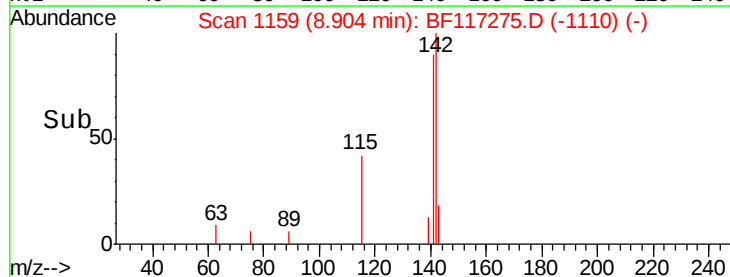
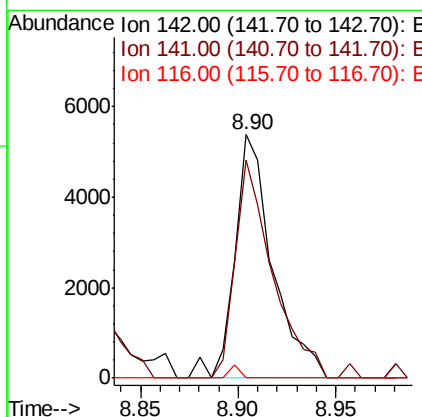
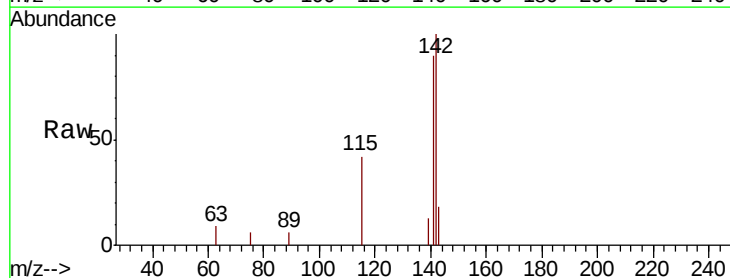
Instrument :
 BNA_F
 ClientSampleId :

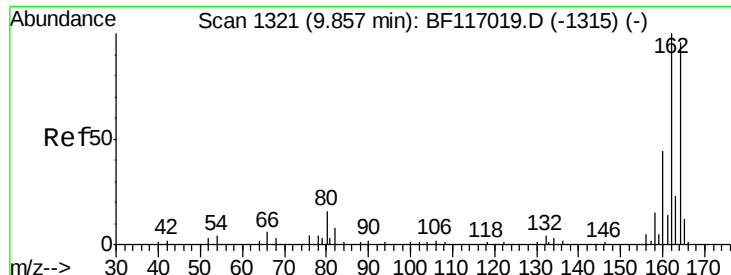
Tot	Ion:142	Resp:	7235
Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.7	106.1
115	41.6	29.4	44.0



#38
 1-Methylnaphthalene
 Concen: 2.803 ng
 RT: 8.90 min Scan# 1159
 Delta R.T. -0.01 min
 Lab File: BF117275.D
 Acq: 30 Sep 2019 21:48

Tgt	Ion:142	Resp:	7235
Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.9	107.9
116	0.0	3.2	4.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF117275.D

Acq: 30 Sep 2019 21:48

Instrument :

BNA_F

ClientSampled :

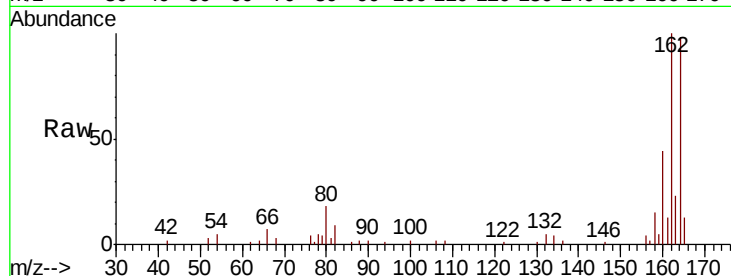
Tot Ion:164 Resp: 37807

Ion Ratio Lower Upper

164 100

162 102.3 83.4 125.2

160 44.9 36.4 54.6

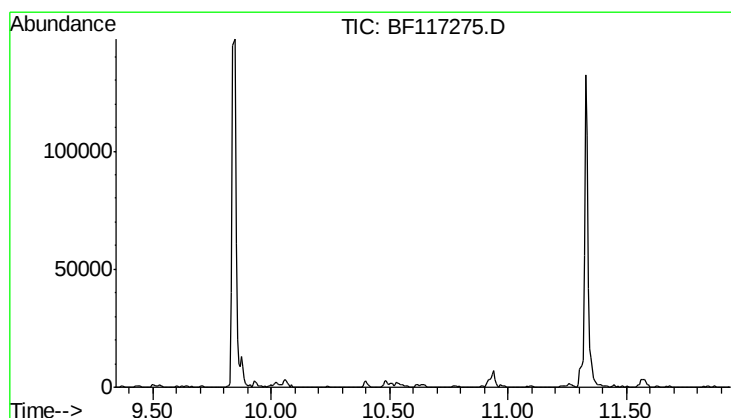
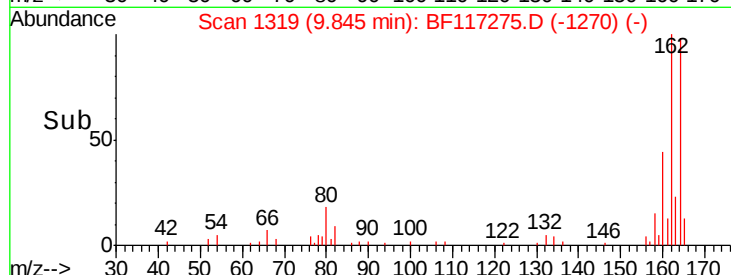
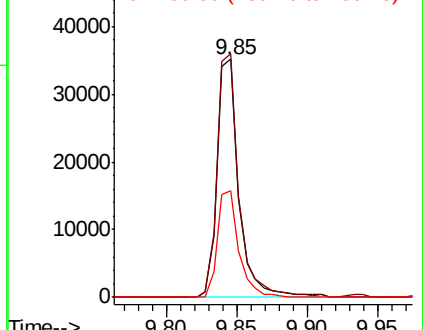


Abundance

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: 0.000 ng

Expected RT: 10.65 min

Lab File: BF117275.D

Acq: 30 Sep 2019 21:48

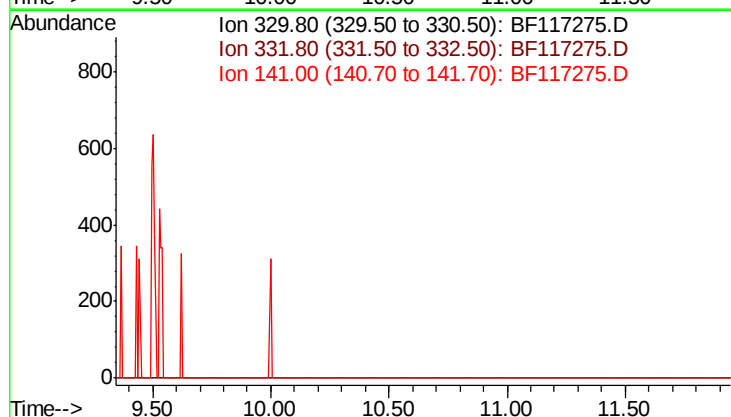
Tgt Ion: 330

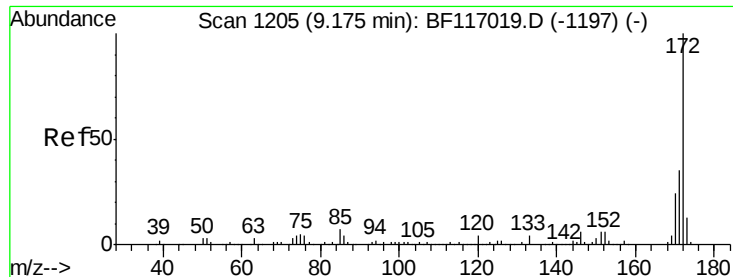
Sig Exp Ratio

330 100

332 97.5

141 44.7

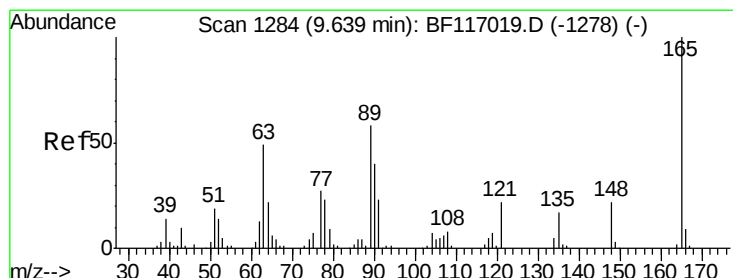
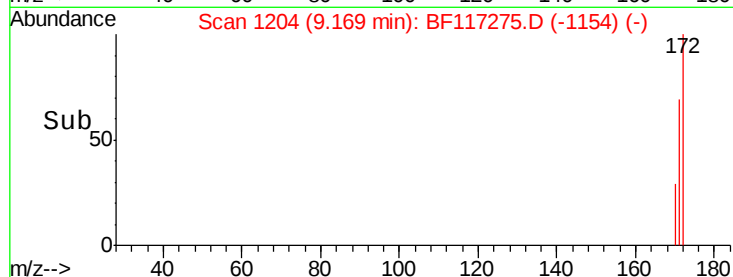
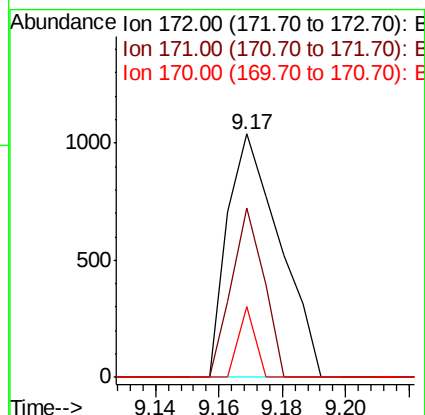
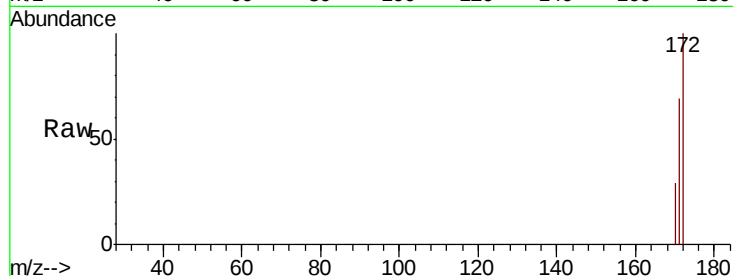




#45
 2-Fluorobiphenyl
 Concen: 0.490 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF117275.D
 Acq: 30 Sep 2019 21:48

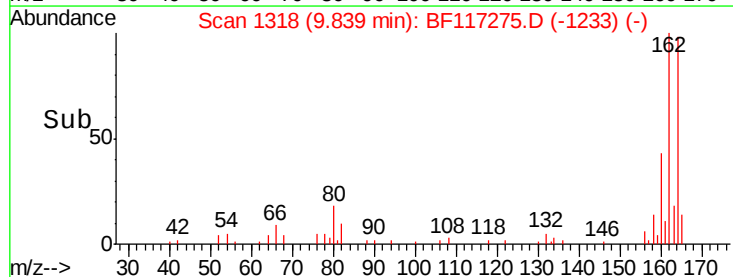
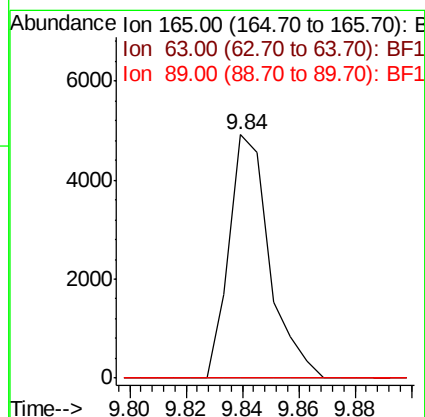
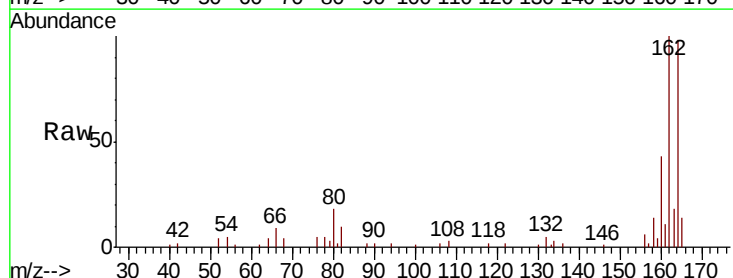
Instrument :
 BNA_F
 ClientSampled :

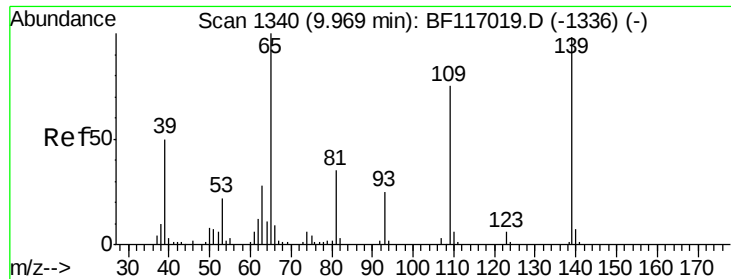
Tot Ion:172 Resp: 1185
 Ion Ratio Lower Upper
 172 100
 171 69.4 28.2 42.2#
 170 29.3 18.9 28.3#



#51
 2,6-Dinitrotoluene
 Concen: 8.976 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF117275.D
 Acq: 30 Sep 2019 21:48

Tgt Ion:165 Resp: 4894
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.8 62.8#
 89 0.0 46.5 69.7#

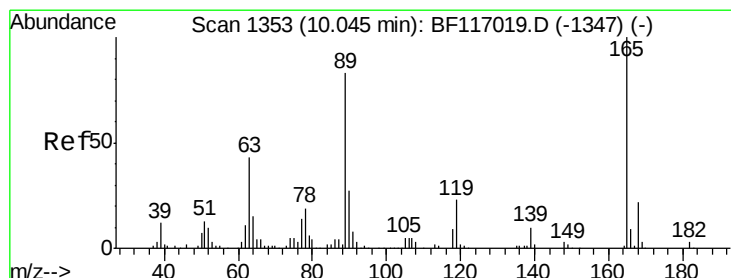
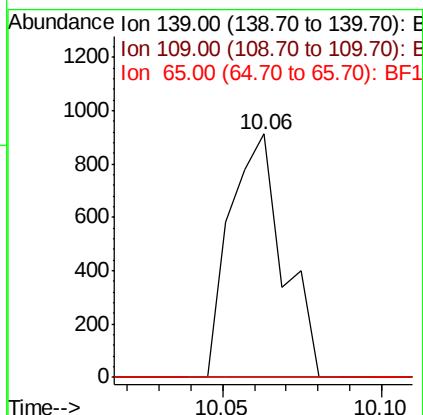
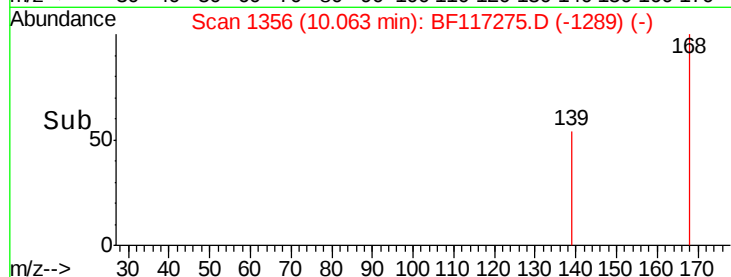
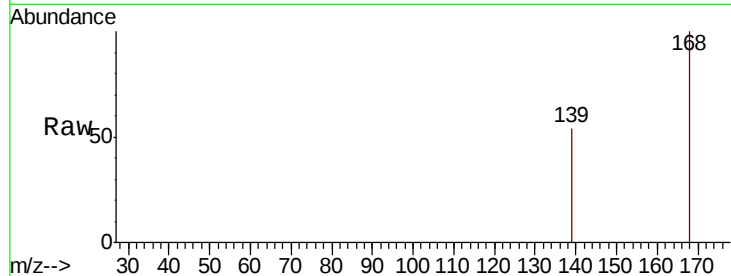




#56
4-Nitrophenol
Concen: 2.384 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.09 min
Lab File: BF117275.D
Acq: 30 Sep 2019 21:48

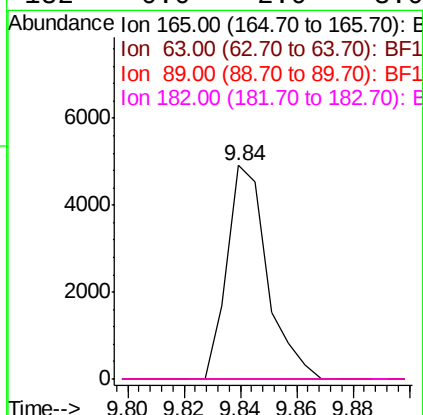
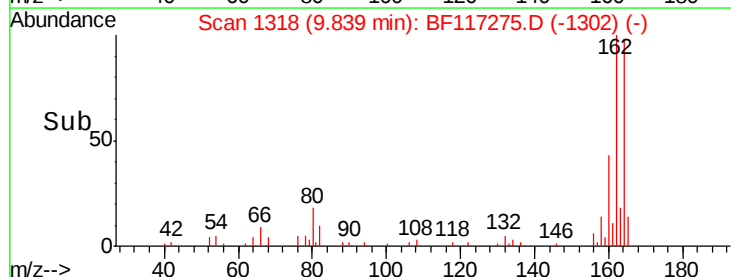
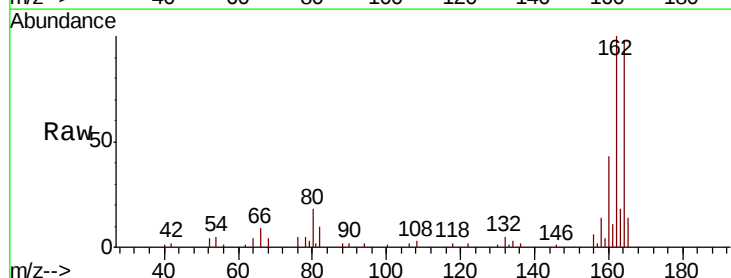
Instrument :
BNA_F
ClientSampleId :

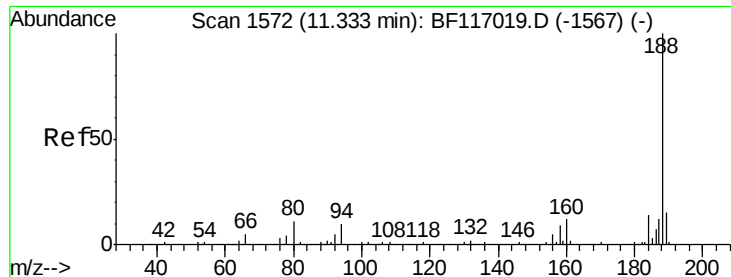
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	56.4	96.4#
65	0.0	82.5	122.5#



#57
2,4-Dinitrotoluene
Concen: 6.915 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.21 min
Lab File: BF117275.D
Acq: 30 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#

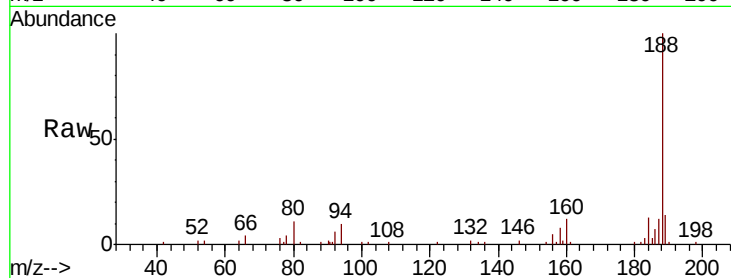




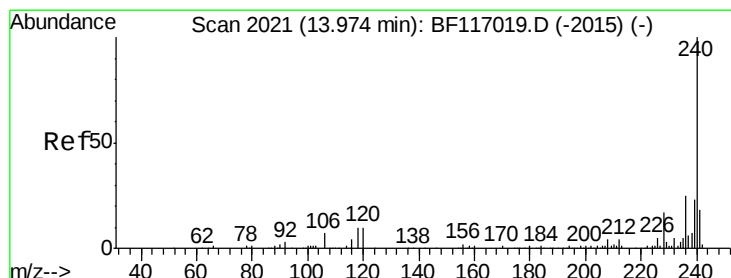
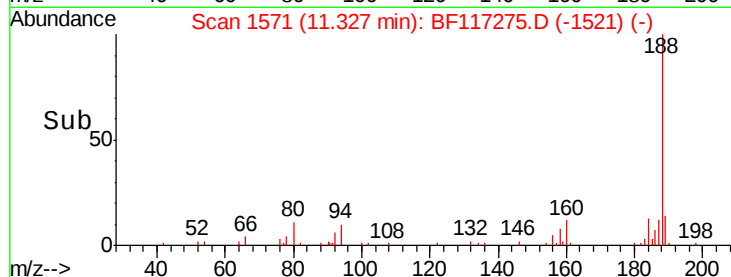
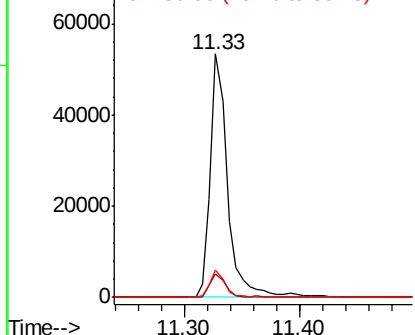
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117275.D
Acq: 30 Sep 2019 21:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 55935
Ion Ratio Lower Upper
188 100
94 9.5 8.2 12.2
80 11.4 9.0 13.6

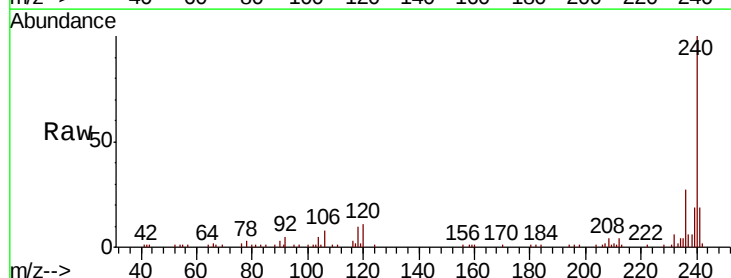


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

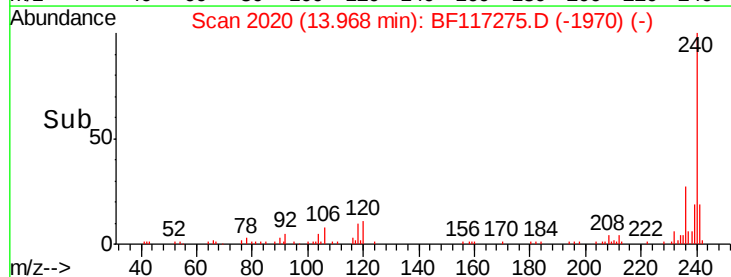
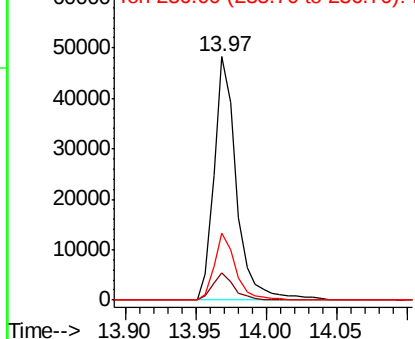


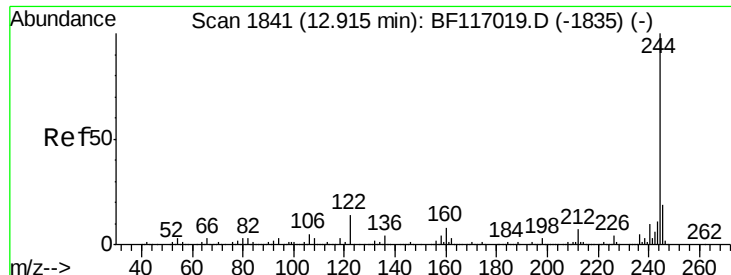
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117275.D
Acq: 30 Sep 2019 21:48

Tgt Ion:240 Resp: 53215
Ion Ratio Lower Upper
240 100
120 11.2 8.3 12.5
236 27.3 20.3 30.5



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

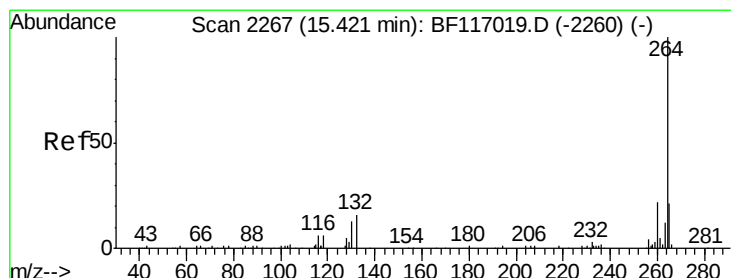
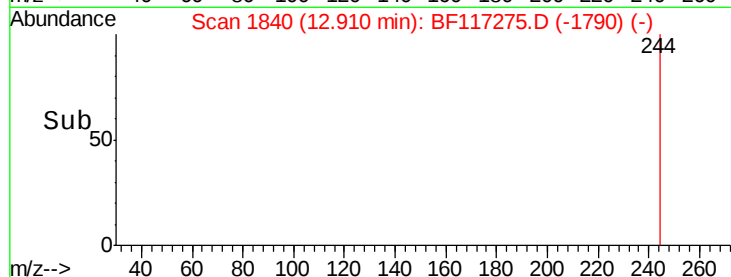
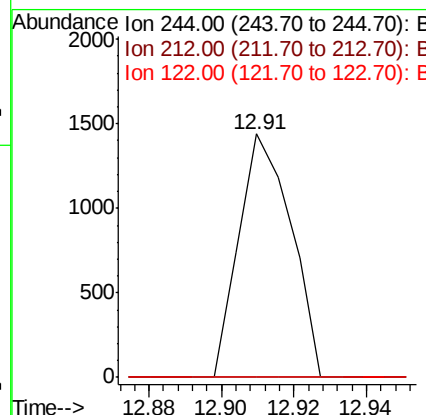
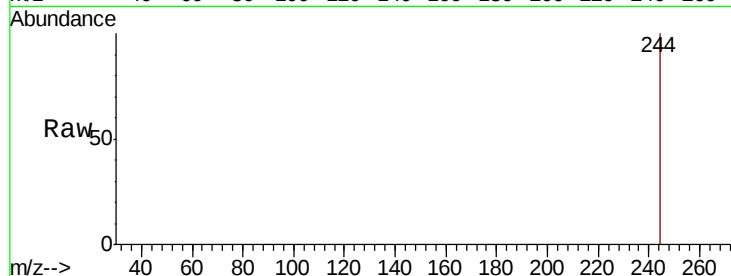




#79
 Terphenyl-d14
 Concen: 0.505 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117275.D
 Acq: 30 Sep 2019 21:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	0.0	5.8	8.8#
122	0.0	11.3	16.9#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117275.D
 Acq: 30 Sep 2019 21:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.6	26.4
265	20.7	16.6	24.8

