

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116673.D
 Acq On : 31 Aug 2019 1:58
 Operator : HP/JU
 Sample : K4517-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 03:43:54 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	110219	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	436333	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	223282	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	367185	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	246341	20.00	ng	0.00
87) Perylene-d12	15.44	264	269977	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	613104	90.12	ng	0.00
7) Phenol-d6	6.47	99	858777	96.13	ng	-0.01
23) Nitrobenzene-d5	7.40	82	532159	69.62	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	153907	103.11	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	797594	60.26	ng	0.00
79) Terphenyl-d14	12.94	244	697117	52.35	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.33	88	110	0.035	ng	# 27
6) Aniline	6.48	93	739	0.060	ng	# 1
9) Benzaldehyde	6.47	77	1873	0.318	ng	# 2
10) Phenol	6.48	94	30430	3.076	ng	# 96
11) bis(2-Chloroethyl)ether	6.61	93	1130	0.147	ng	# 1
15) Benzyl Alcohol	7.00	79	9101	1.255	ng	# 50
19) n-Nitroso-di-n-propylamine	7.40	70	70866	12.048	ng	# 73
22) Acetophenone	7.24	105	506	0.048	ng	# 29
24) Nitrobenzene	7.43	77	111	0.014	ng	# 42
25) Isophorone	7.40	82	532153	34.359	ng	# 66
31) Naphthalene	8.15	128	1550	0.075	ng	# 69
35) Caprolactam	8.50	113	128	0.061	ng	# 33
36) 4-Chloro-3-methylphenol	8.69	107	131	0.020	ng	# 22
37) 2-Methylnaphthalene	8.84	142	352	0.025	ng	# 73
38) 1-Methylnaphthalene	8.93	142	339	0.026	ng	# 7
46) 1,1'-Biphenyl	9.30	154	1725	0.102	ng	# 93
47) 2-Chloronaphthalene	9.59	162	576	0.043	ng	# 1
48) 2-Nitroaniline	9.59	65	731	0.188	ng	# 1
49) Acenaphthylene	9.74	152	2235	0.110	ng	# 86
50) Dimethylphthalate	9.59	163	84694	5.494	ng	# 97
51) 2,6-Dinitrotoluene	9.88	165	28870	9.816	ng	# 21
52) Acenaphthene	9.91	154	1233	0.099	ng	# 95
55) Dibenzofuran	10.08	168	1459	0.083	ng	# 94
56) 4-Nitrophenol	10.08	139	579	0.229	ng	# 1
57) 2,4-Dinitrotoluene	9.88	165	28870	8.028	ng	# 22
58) Fluorene	10.42	166	1168	0.087	ng	# 86
60) Diethylphthalate	10.29	149	536	0.035	ng	# 60
63) Azobenzene	10.57	77	259	0.016	ng	# 52
65) 4,6-Dinitro-2-methylphenol	10.66	198	191	7.570	ng	# 1
66) n-Nitrosodiphenylamine	10.66	169	6324	0.498	ng	# 49
67) 4-Bromophenyl-phenylether	10.66	248	10091	2.705	ng	# 1
71) Phenanthrene	11.38	178	69110	3.381	ng	# 99
72) Anthracene	11.43	178	7089	0.345	ng	# 96
73) Carbazole	11.58	167	6911	0.353	ng	# 97

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 Misc :
 ALS Vial : 12 Sample Multiplier: 1

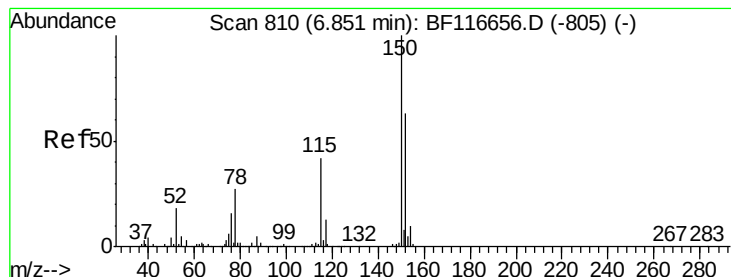
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 03:43:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

74) Di-n-butylphthalate	11.92	149	1917	0.076	nq	# 79
75) Fluoranthene	12.57	202	237158	11.806	nq	98
77) Benzidine	12.94	184	10298	1.066	nq	# 92
78) Pyrene	12.80	202	205152	9.368	nq	100
80) Butylbenzylphthalate	13.42	149	2678	0.251	nq	# 90
81) Benzo(a)anthracene	13.98	228	90053	5.776	nq	100
82) 3,3'-Dichlorobenzidine	14.03	252	830	0.158	nq	# 4
83) Chrysene	14.02	228	122926	7.653	nq	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	5891	0.448	nq	# 98
85) Di-n-octyl phthalate	14.56	149	210	0.010	nq	# 53
86) Indeno(1,2,3-cd)pyrene	16.87	276	79563	6.167	nq	96
88) Benzo(b)fluoranthene	15.02	252	206911	12.677	nq	# 96
89) Benzo(k)fluoranthene	15.02	252	206911	13.903	nq	# 97
90) Benzo(a)pyrene	15.37	252	96827	6.818	nq	# 97
91) Dibenzo(a,h)anthracene	16.88	278	20465	1.646	nq	# 75
92) Benzo(g,h,i)perylene	17.31	276	72013	5.681	nq	# 93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampleId :

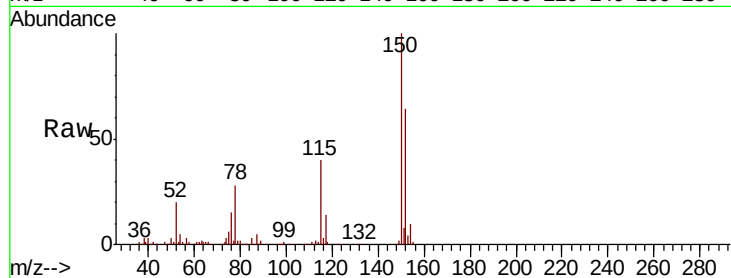
Tot Ion:152 Resp: 110219

Ion Ratio Lower Upper

152 100

150 155.3 124.4 186.6

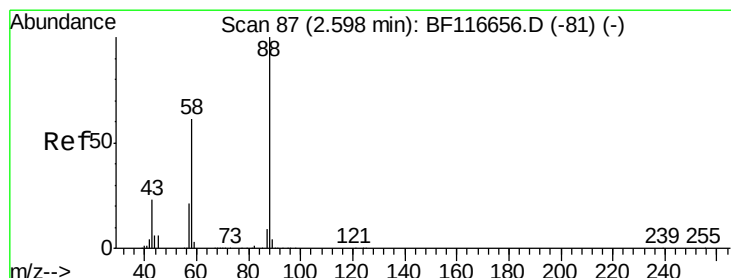
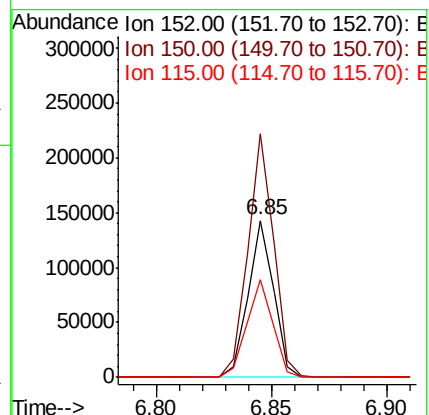
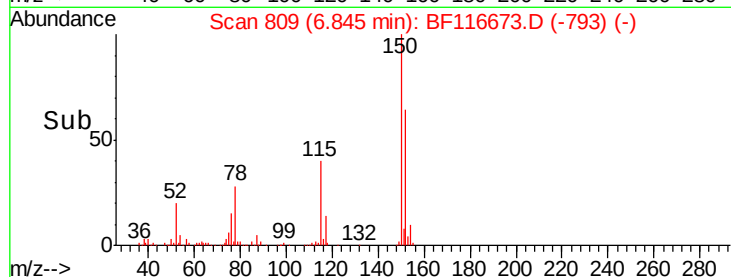
115 62.4 49.9 74.9



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



#2

1,4-Dioxane

Concen: 0.035 ng

RT: 2.33 min Scan# 42

Delta R.T. -0.26 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

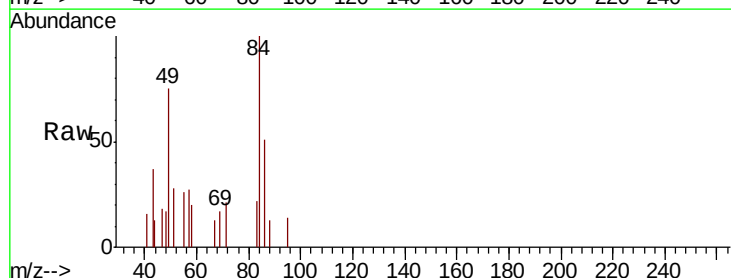
Tgt Ion: 88 Resp: 110

Ion Ratio Lower Upper

88 100

58 0.0 51.7 77.5#

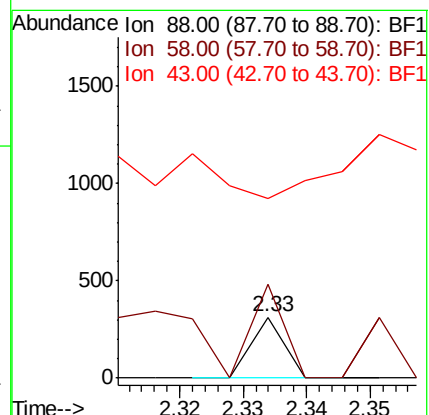
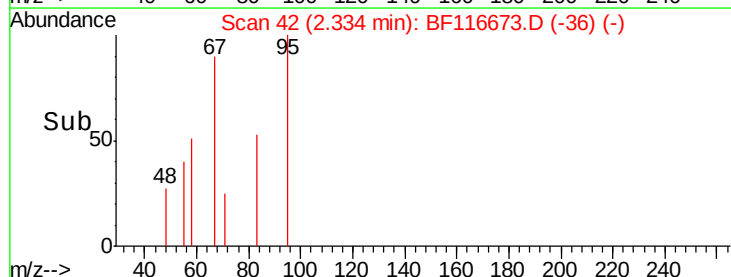
43 0.0 19.8 29.8#

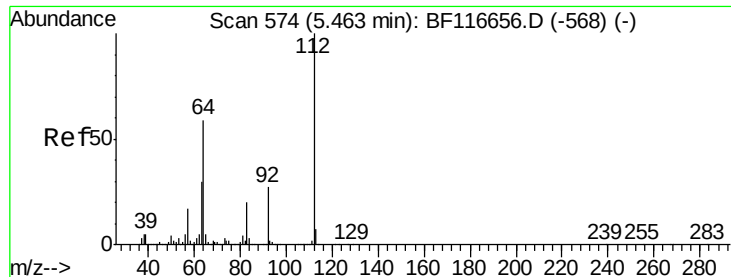


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 90.117 ng

RT: 5.46 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampleId :

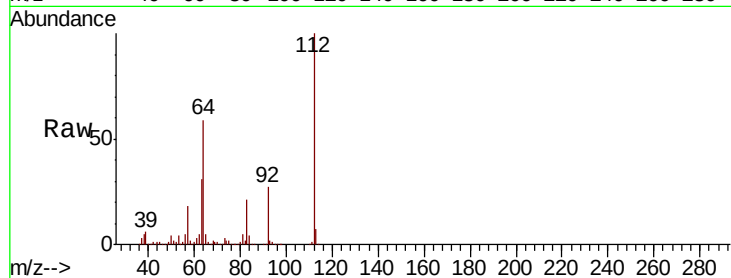
Tot Ion:112 Resp: 613104

Ion Ratio Lower Upper

112 100

64 59.5 47.1 70.7

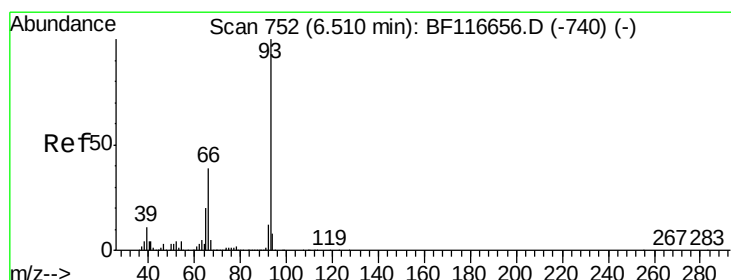
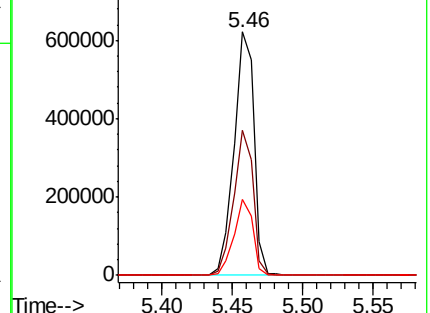
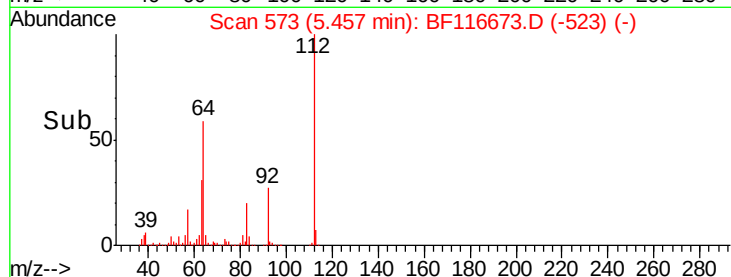
63 31.1 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.060 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

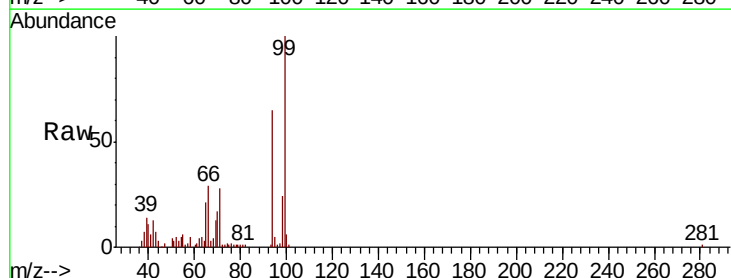
Tgt Ion: 93 Resp: 739

Ion Ratio Lower Upper

93 100

66 2294.1 32.7 49.1#

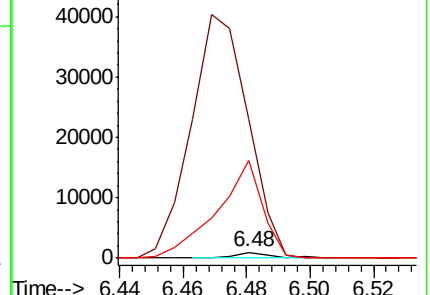
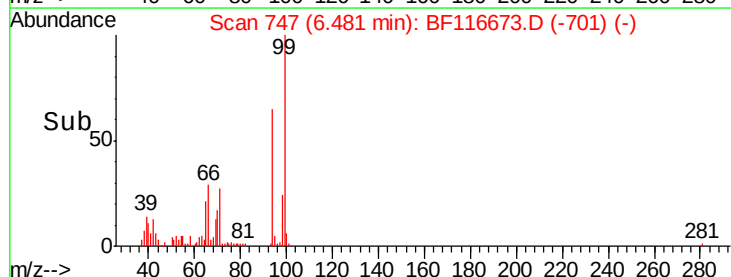
65 1618.7 16.3 24.5#

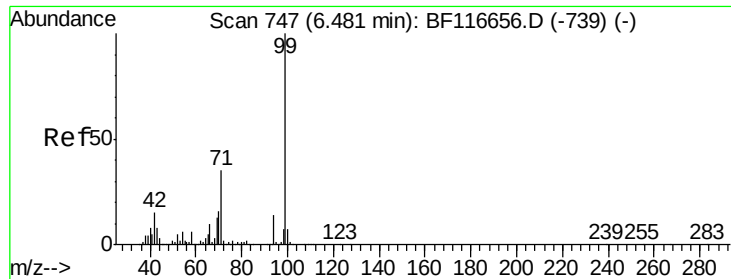


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 96.129 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

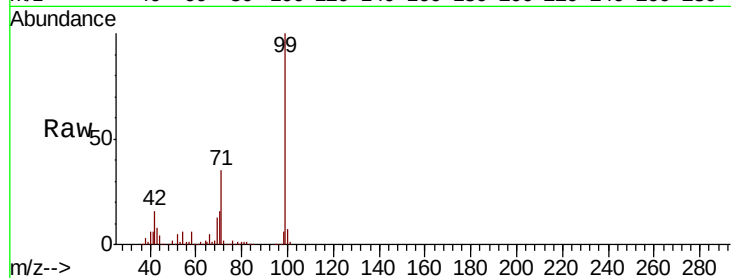
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 858777

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.7	20.5
71	35.5	30.8	46.2

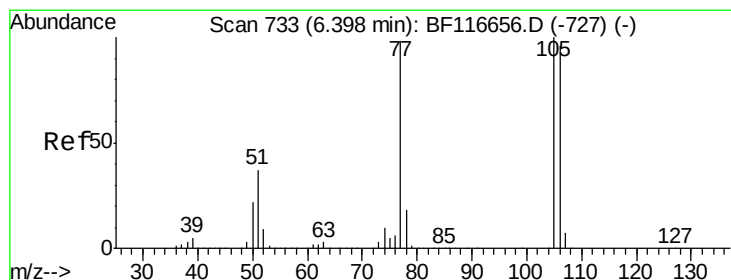
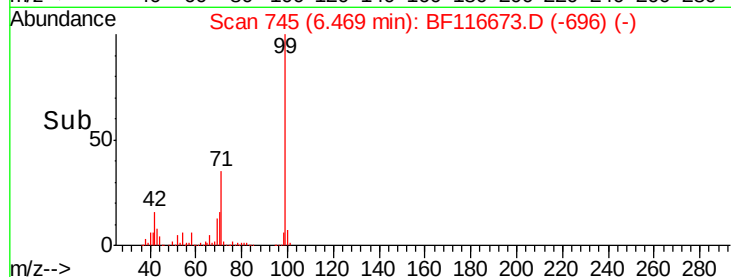
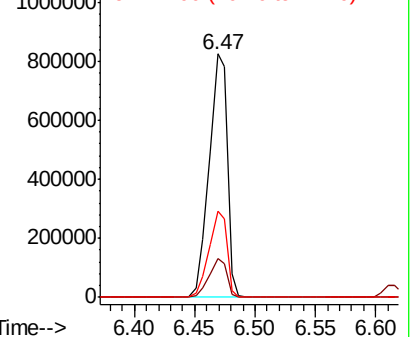


Abundance

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



#9

Benzaldehyde

Concen: 0.318 ng

RT: 6.47 min Scan# 746

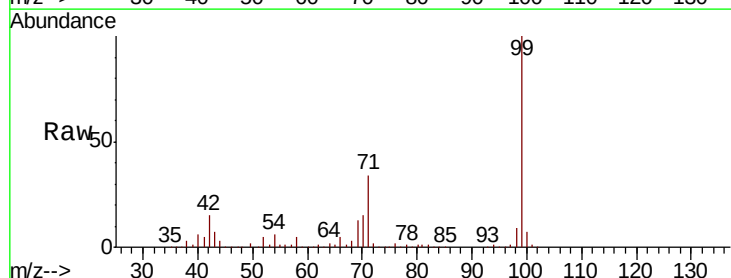
Delta R.T. 0.08 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Tgt Ion: 77 Resp: 1873

Ion	Ratio	Lower	Upper
77	100		
105	0.0	76.7	116.7#
106	0.0	73.1	113.1#

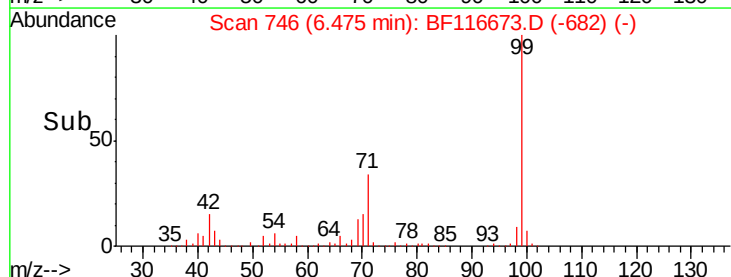
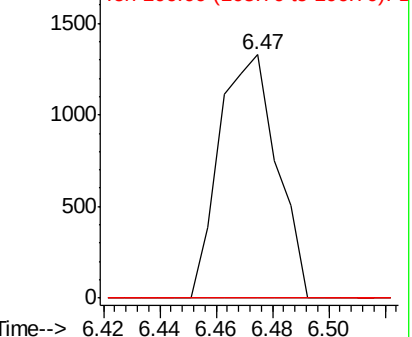


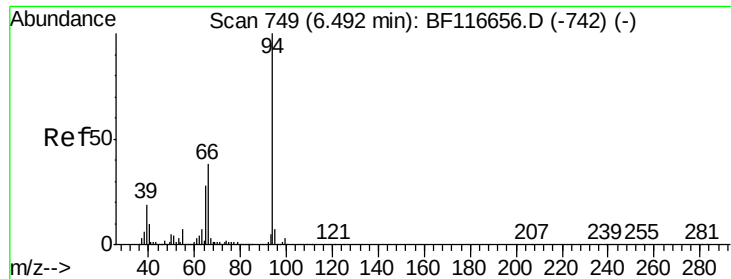
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.076 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampleId :

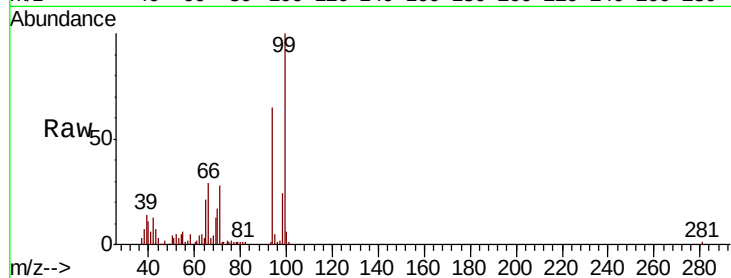
Tot Ion: 94 Resp: 30430

Ion Ratio Lower Upper

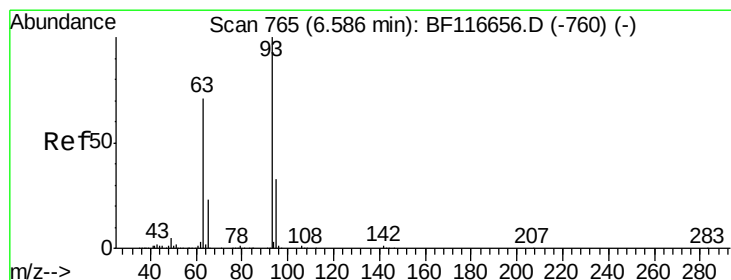
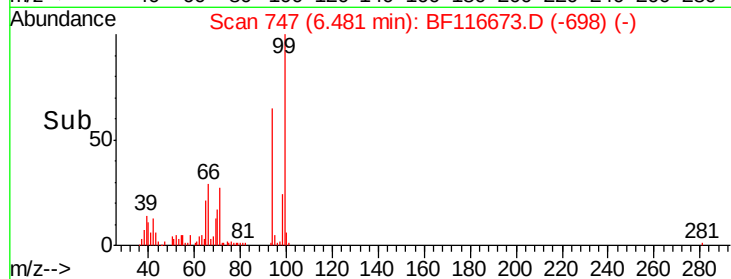
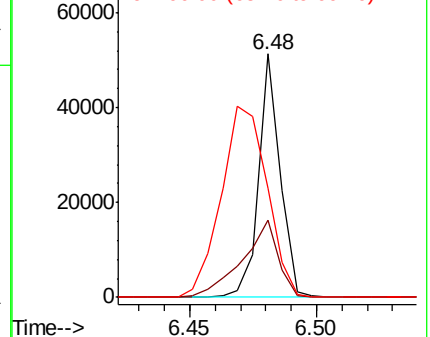
94 100

65 31.7 10.8 50.8

66 44.9 21.1 61.1



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#11

bis(2-Chloroethyl)ether

Concen: 0.147 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.02 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

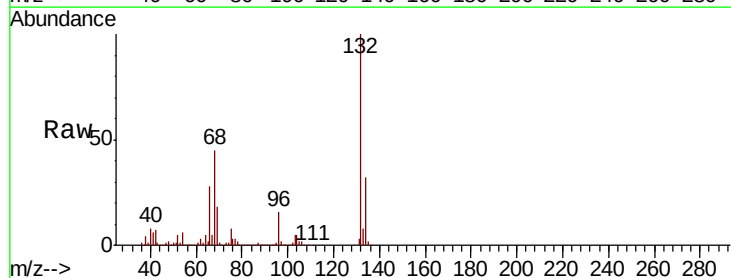
Tgt Ion: 93 Resp: 1130

Ion Ratio Lower Upper

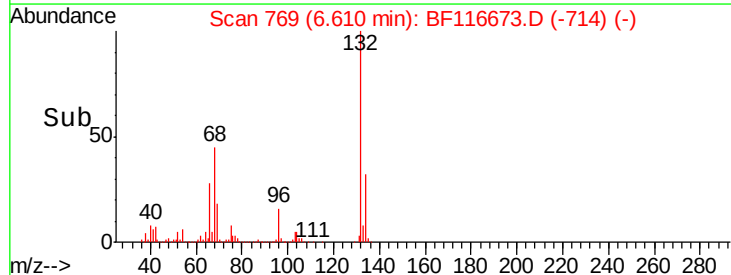
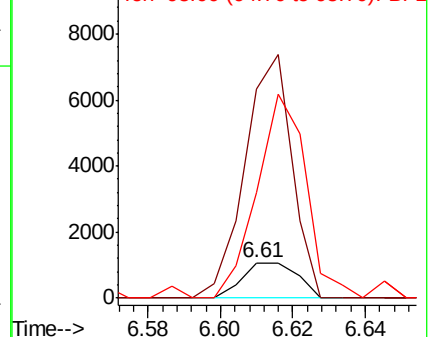
93 100

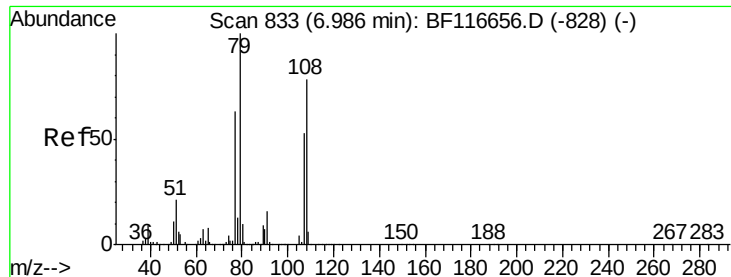
63 592.7 49.9 89.9#

95 299.3 12.7 52.7#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1





#15

Benzyl Alcohol

Concen: 1.255 ng

RT: 7.00 min Scan# 836

Delta R.T. 0.02 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampled :

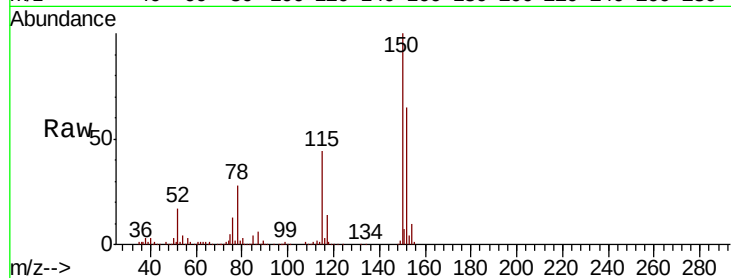
Tot Ion: 79 Resp: 9101

Ion Ratio Lower Upper

79 100

108 30.4 59.2 88.8#

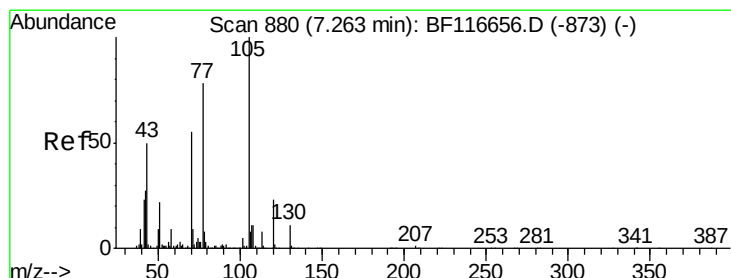
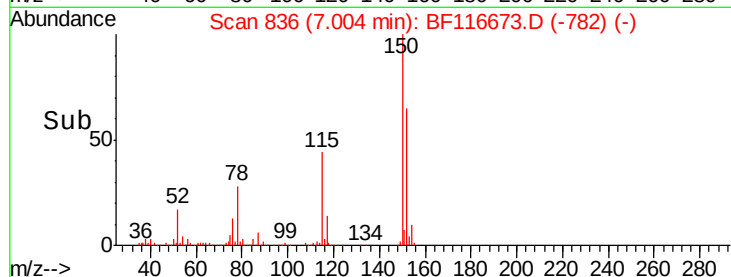
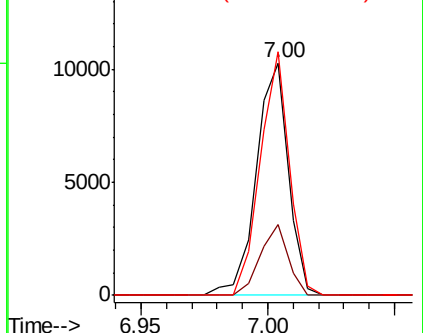
77 104.9 53.0 79.4#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.048 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Tgt Ion: 70 Resp: 70866

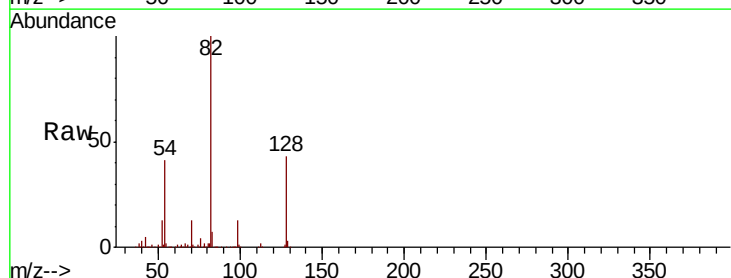
Ion Ratio Lower Upper

70 100

42 38.9 43.5 65.3#

101 0.0 7.8 11.6#

130 1.7 16.6 24.8#

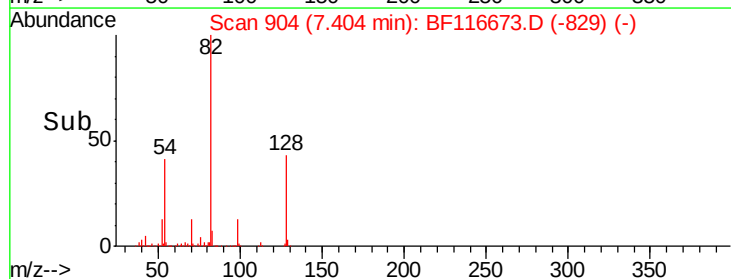
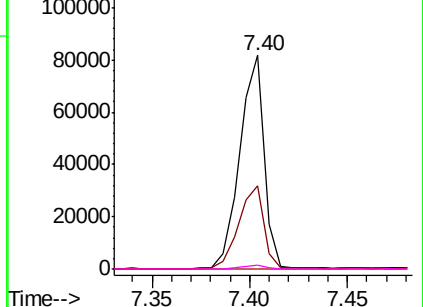


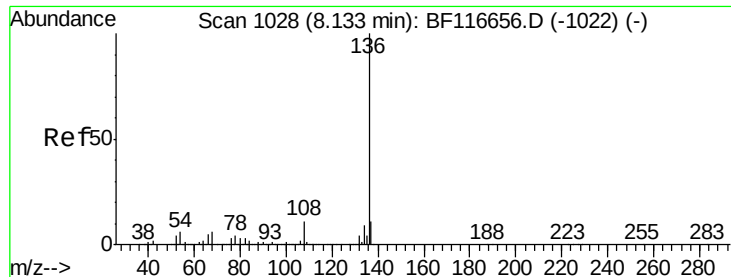
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

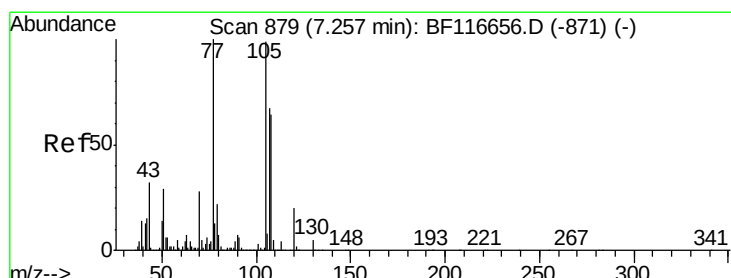
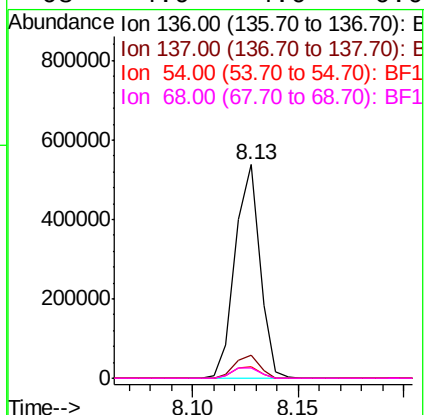
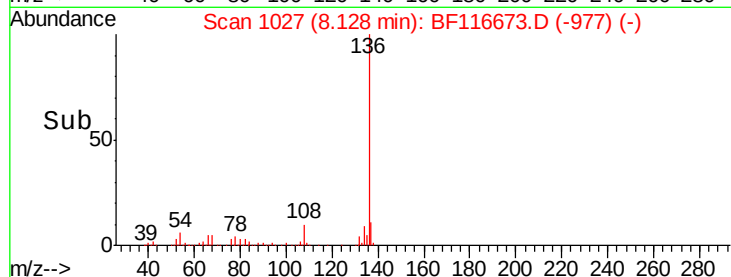
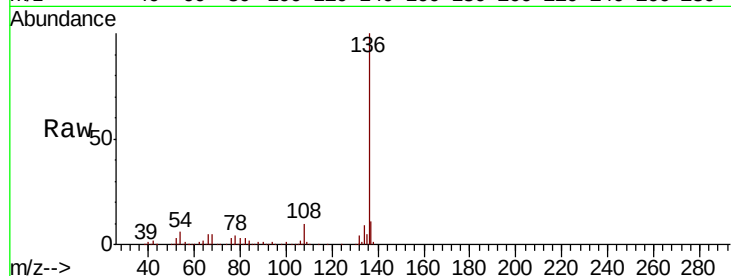




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

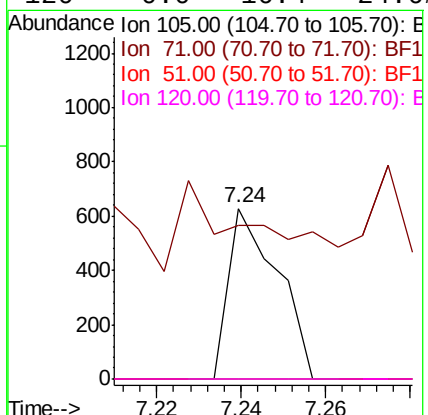
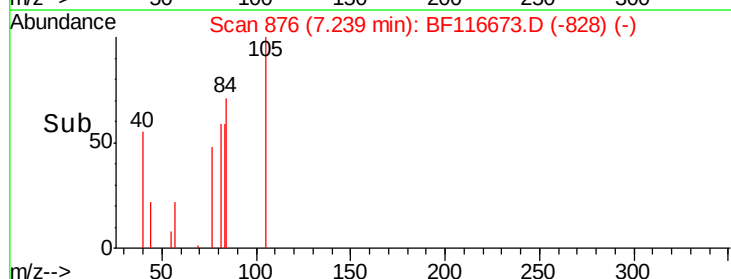
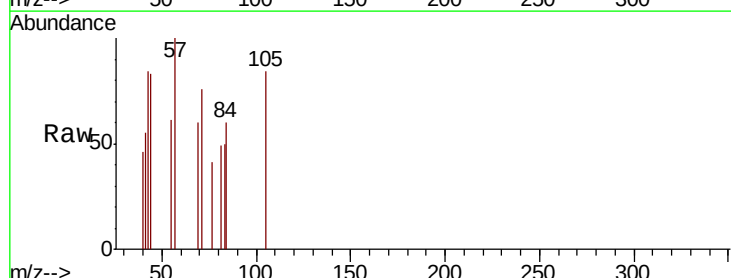
Instrument :
BNA_F
ClientSampleId :

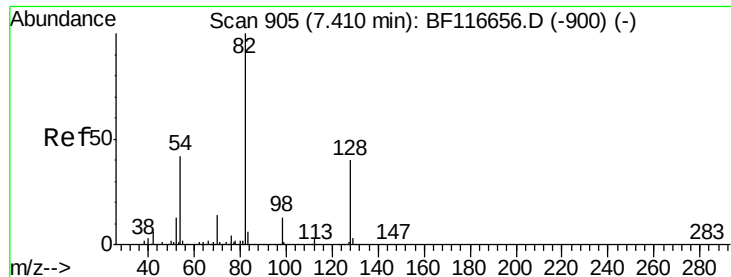
Tot Ion:136	Resp:	436333
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.9	13.3
54 5.7	4.8	7.2
68 4.9	4.0	6.0



#22
Acetophenone
Concen: 0.048 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Tgt	Ion:105	Resp:	506
Ion	Ratio	Lower	Upper
105	100		
71	90.1	4.2	6.4#
51	0.0	25.8	38.8#
120	0.0	16.4	24.6#

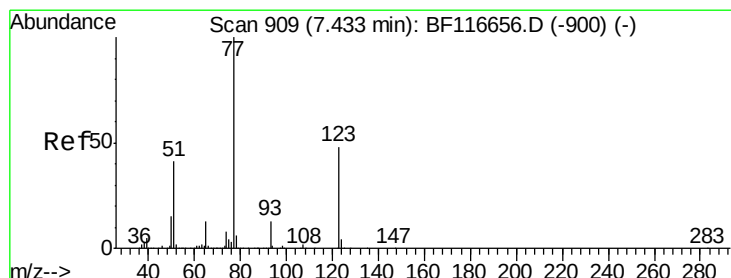
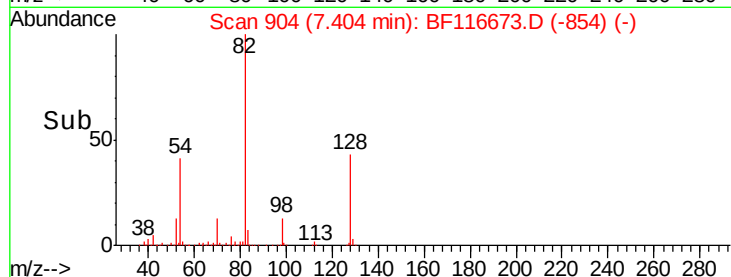
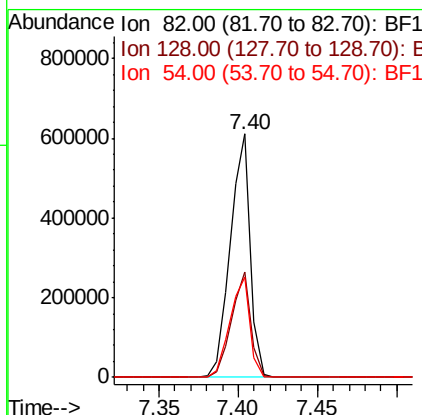
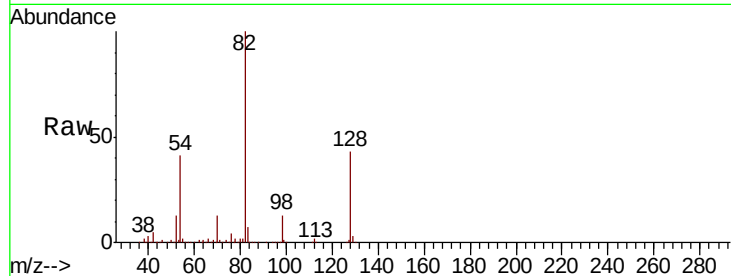




#23
 Nitrobenzene-d5
 Concen: 69.625 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

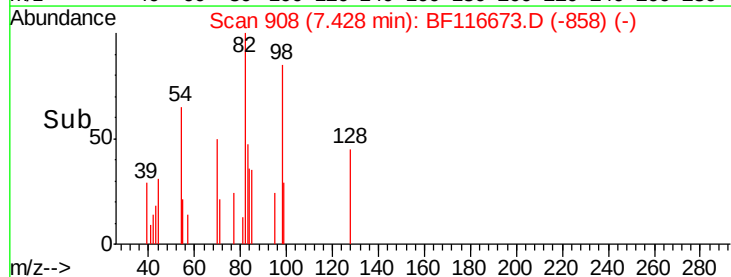
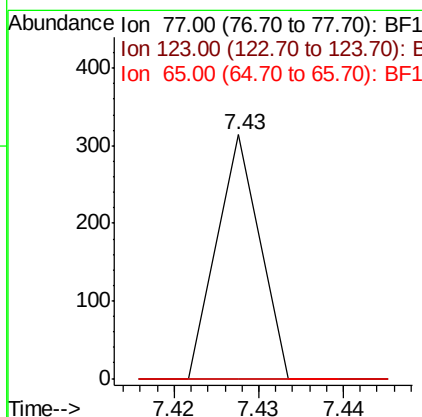
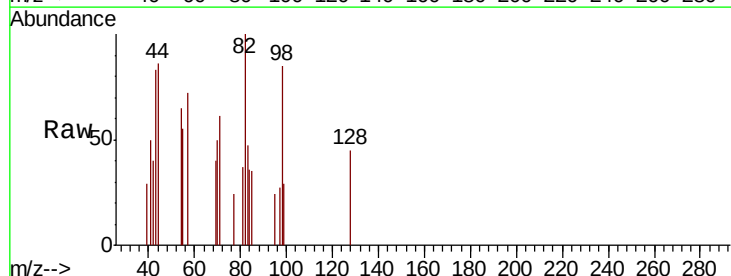
Instrument :
 BNA_F
 ClientSampleId :

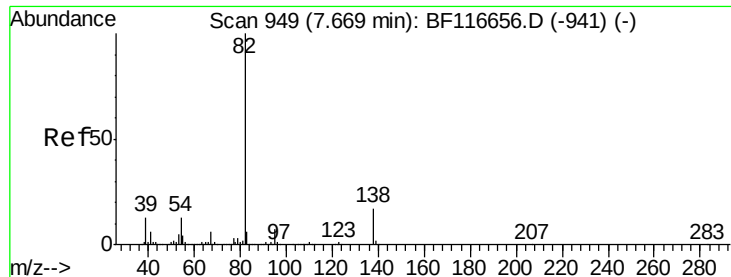
Tot Ion	82	Resp	532159
Ion Ratio	Lower	Upper	
82	100		
128	43.1	32.8	49.2
54	41.4	36.9	55.3



#24
 Nitrobenzene
 Concen: 0.014 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

Tgt Ion	77	Resp	111
Ion Ratio	Lower	Upper	
77	100		
123	0.0	33.1	49.7#
65	0.0	10.6	15.8#

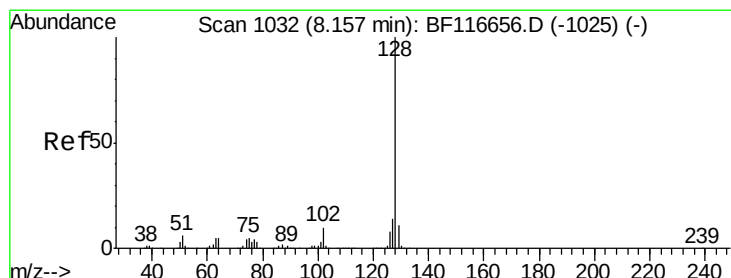
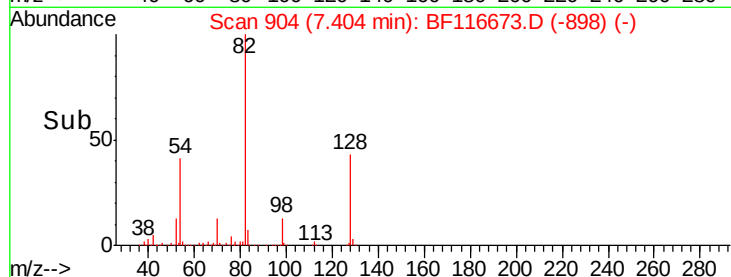
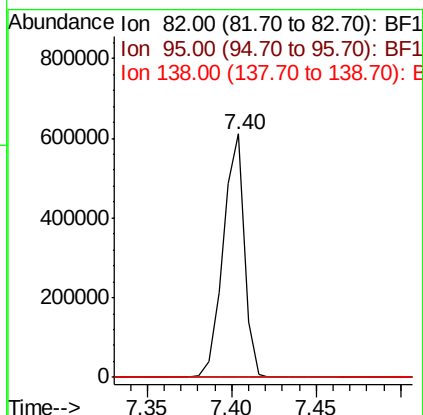
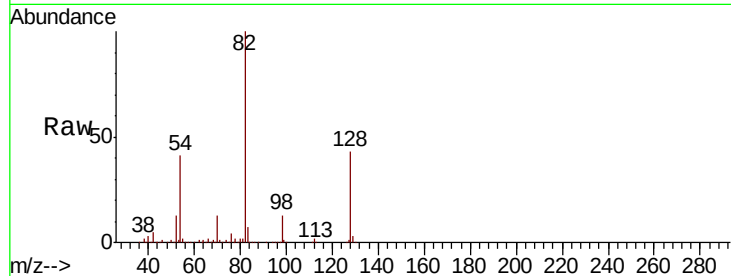




#25
Isophorone
Concen: 34.359 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

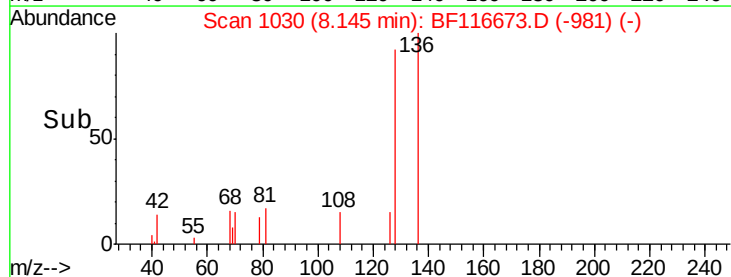
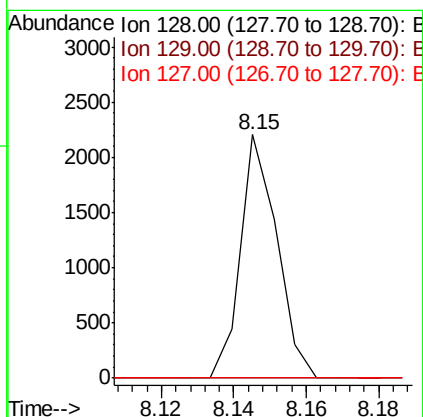
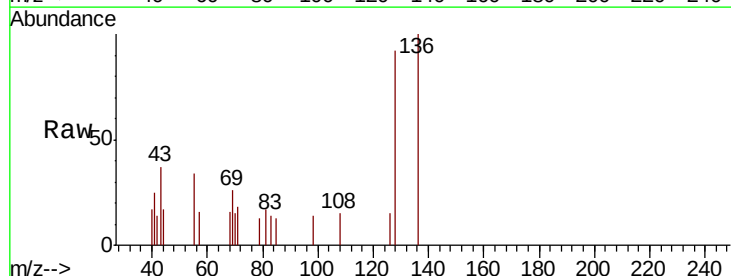
Instrument :
BNA_F
ClientSampleId :

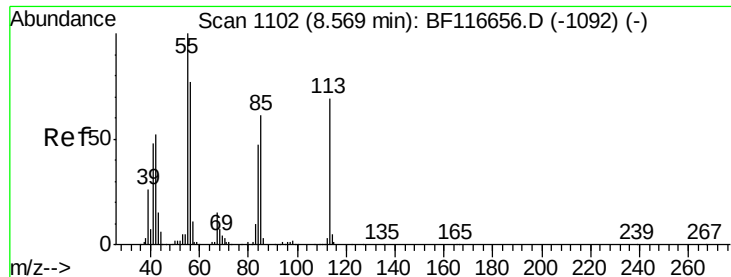
Tot Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.8	8.6#
138	0.0	13.5	20.3#



#31
Naphthalene
Concen: 0.075 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.6	13.0#
127	0.0	10.4	15.6#

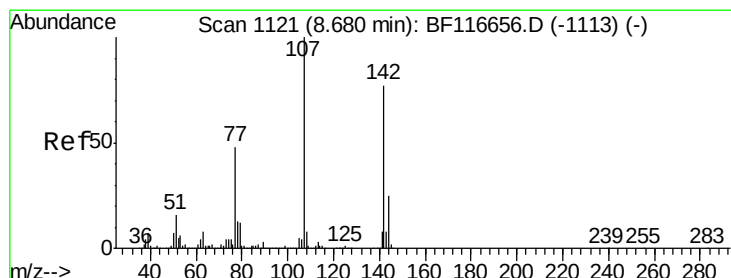
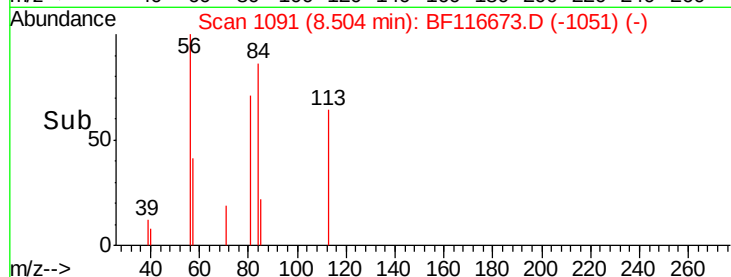
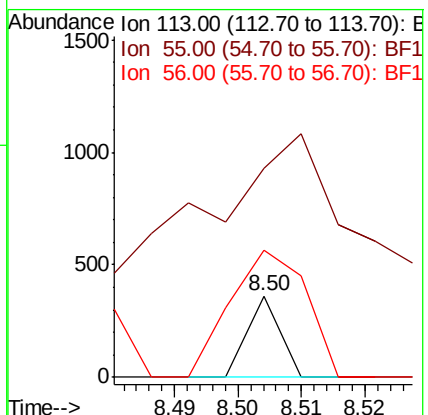
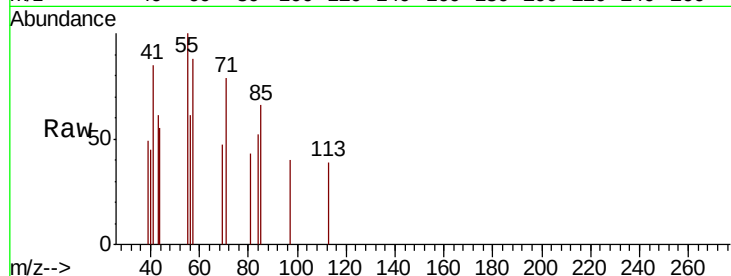




#35
 Caprolactam
 Concen: 0.061 ng
 RT: 8.50 min Scan# 1091
 Delta R.T. -0.06 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

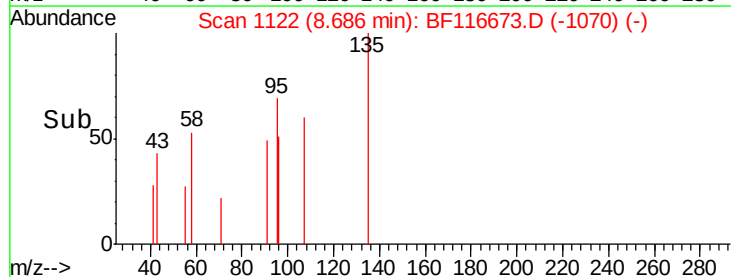
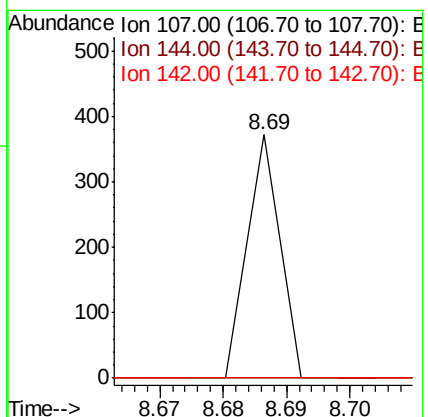
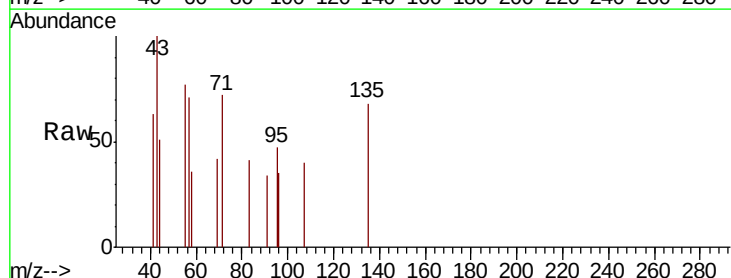
Instrument :
 BNA_F
 ClientSampleId :

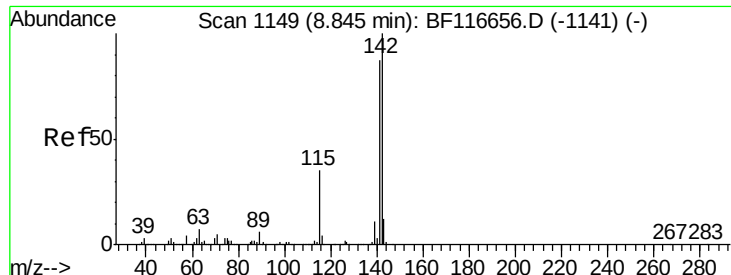
Tot Ion:113 Resp: 128
 Ion Ratio Lower Upper
 113 100
 55 256.7 124.3 164.3#
 56 155.4 94.6 134.6#



#36
 4-Chloro-3-methylphenol
 Concen: 0.020 ng
 RT: 8.69 min Scan# 1122
 Delta R.T. 0.01 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

Tgt Ion:107 Resp: 131
 Ion Ratio Lower Upper
 107 100
 144 0.0 18.6 27.8#
 142 0.0 58.5 87.7#

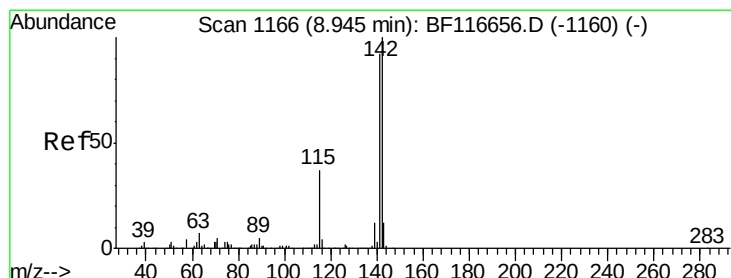
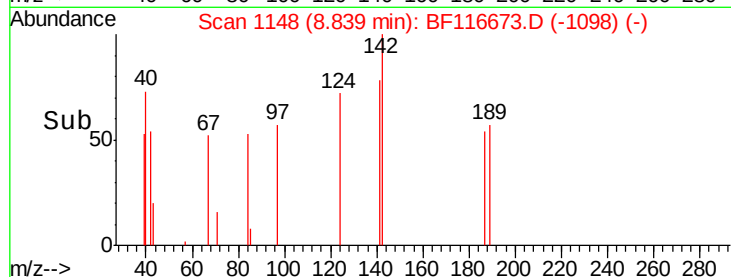
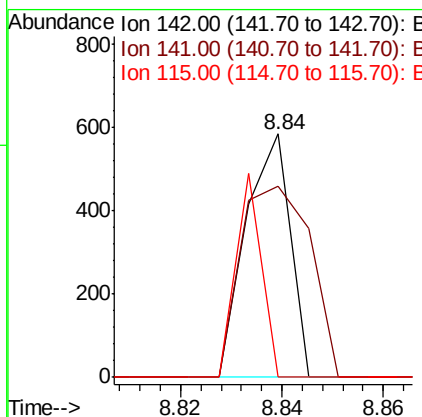
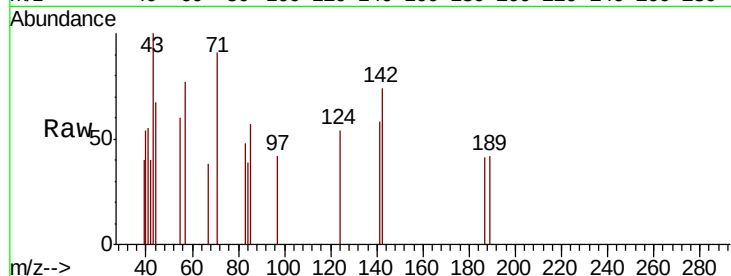




#37
2-Methylnaphthalene
Concen: 0.025 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

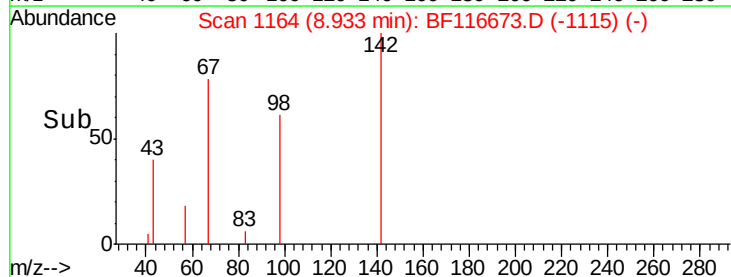
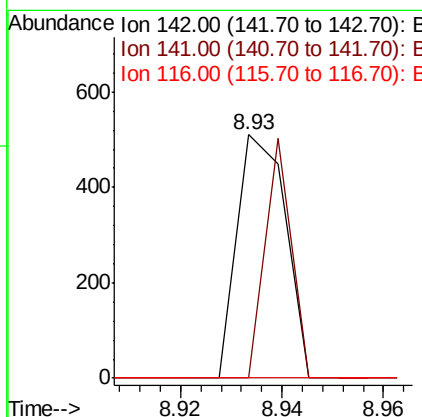
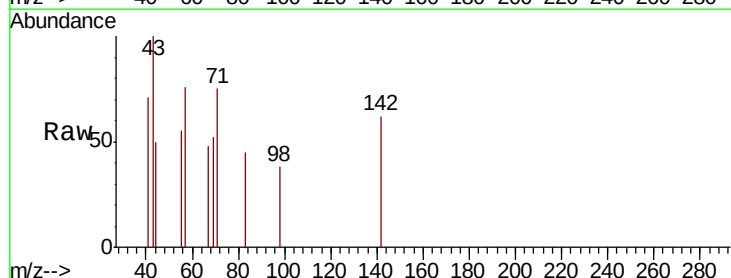
Instrument :
BNA_F
ClientSampled :

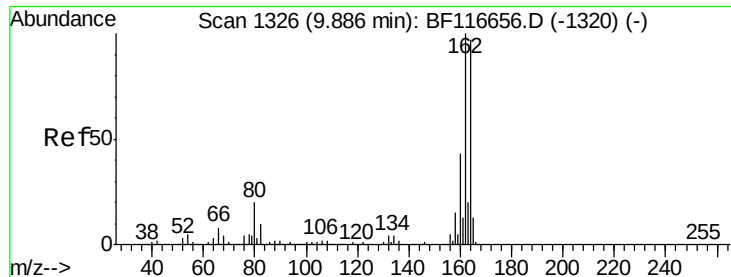
Tot Ion	Ratio	Lower	Upper
142	100		
141	78.4	72.6	109.0
115	0.0	29.8	44.6#



#38
1-Methylnaphthalene
Concen: 0.026 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	0.0	73.9	110.9#
116	0.0	3.0	4.6#

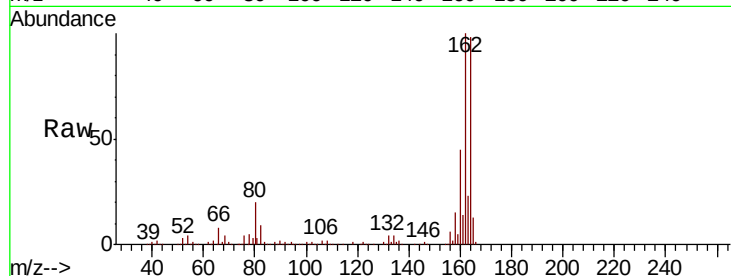




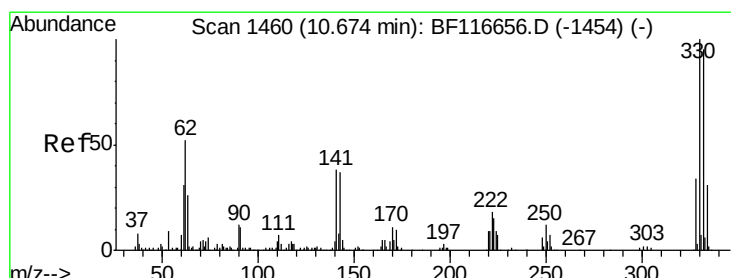
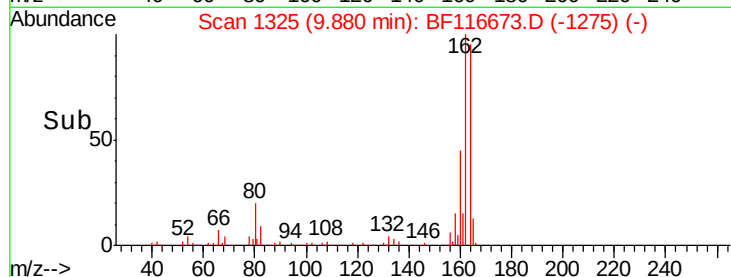
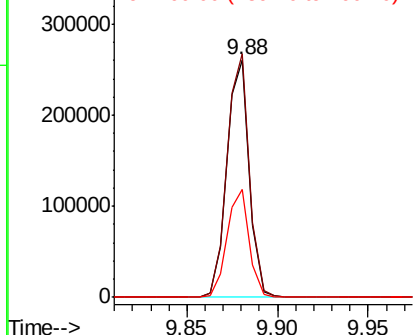
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 223282
Ion Ratio Lower Upper
164 100
162 102.4 81.4 122.0
160 45.6 35.4 53.2

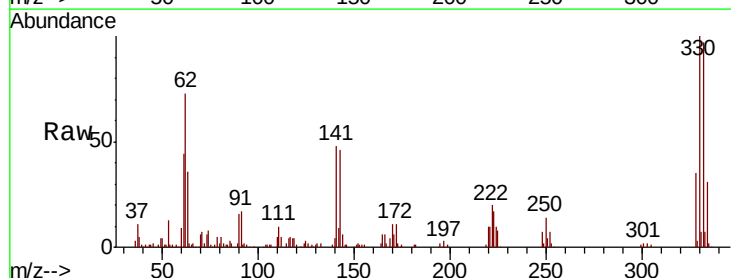


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

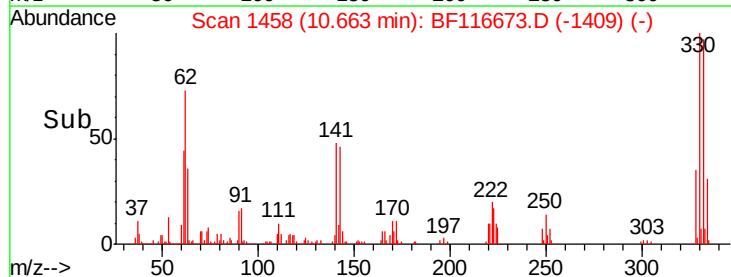
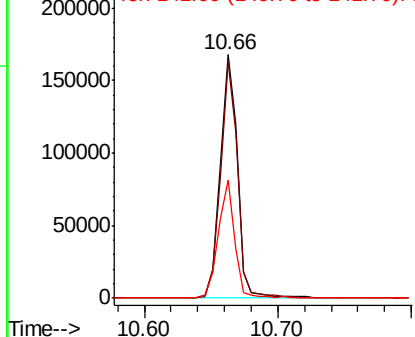


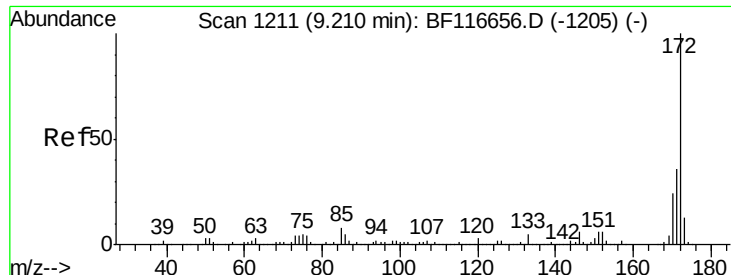
#42
2,4,6-Tribromophenol
Concen: 103.107 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Tgt Ion:330 Resp: 153907
Ion Ratio Lower Upper
330 100
332 95.8 76.9 115.3
141 46.0 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

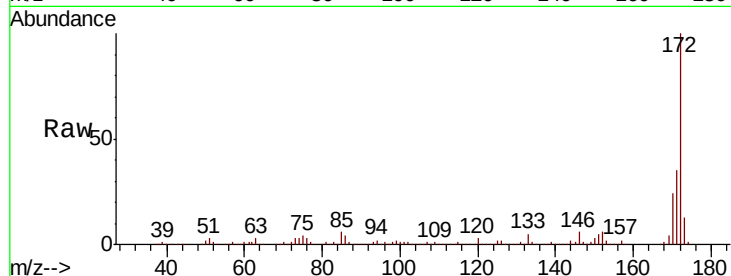




#45
 2-Fluorobiphenyl
 Concen: 60.258 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.5	18.9	28.3

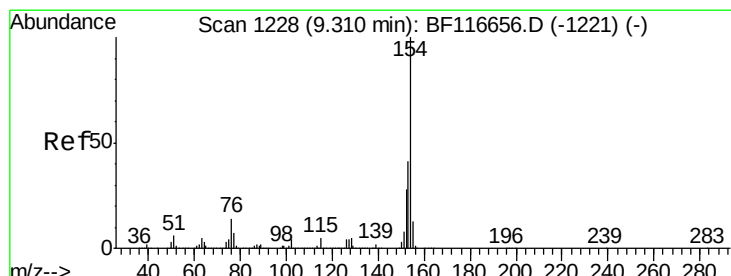
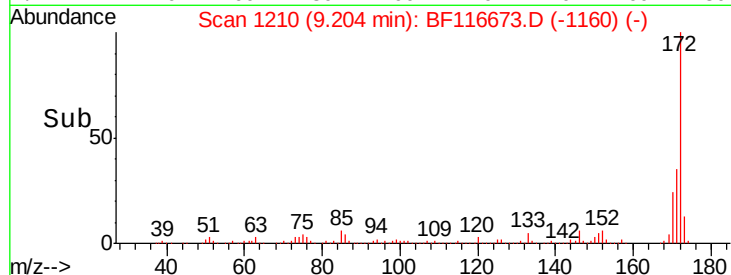
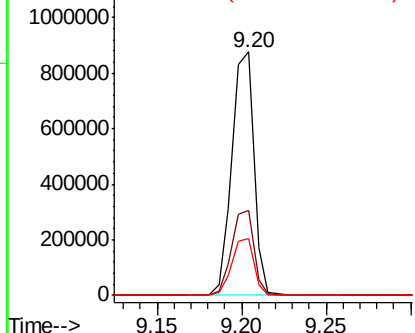


Abundance

Ion 172.00 (171.70 to 172.70): E

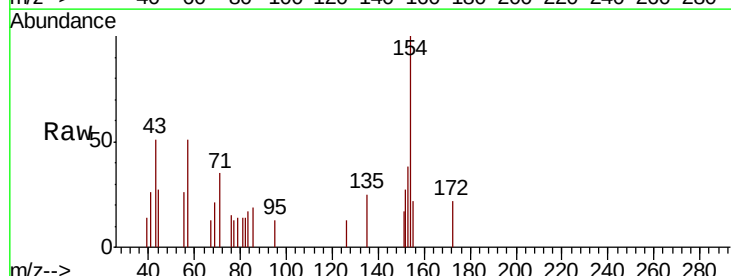
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
 1,1'-Biphenyl
 Concen: 0.102 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.7	21.2	61.2
76	15.4	0.0	30.9

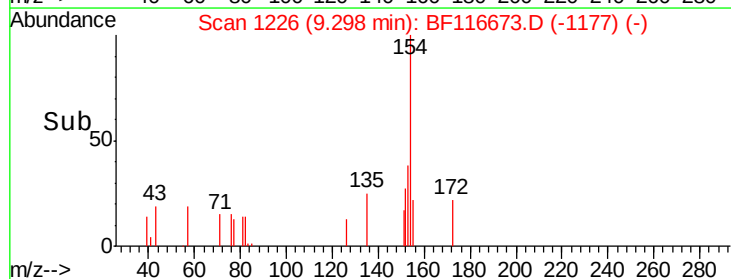
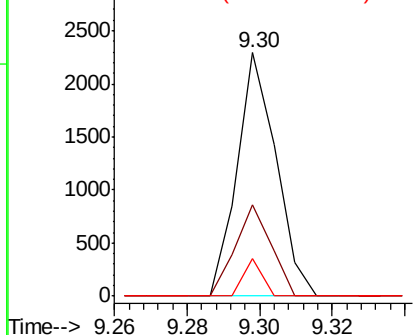


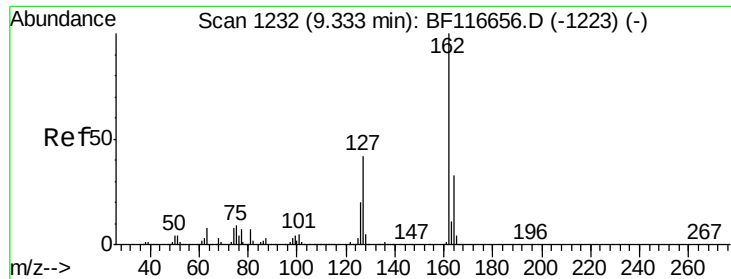
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

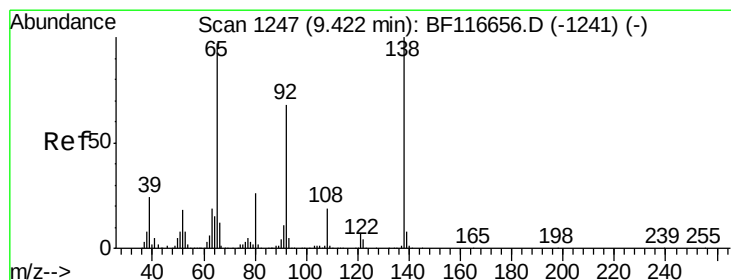
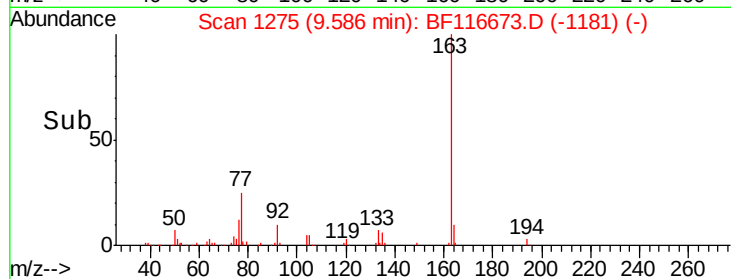
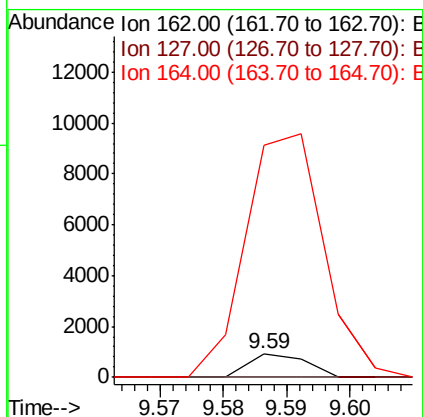
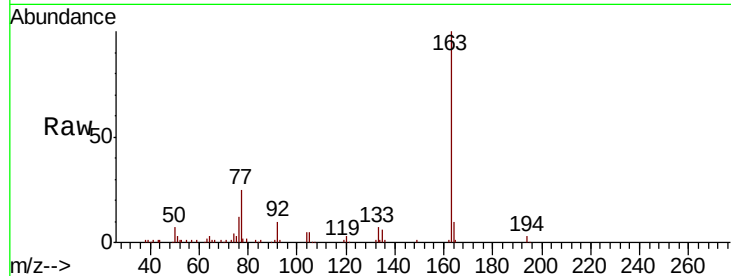




#47
2-Chloronaphthalene
Concen: 0.043 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.25 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

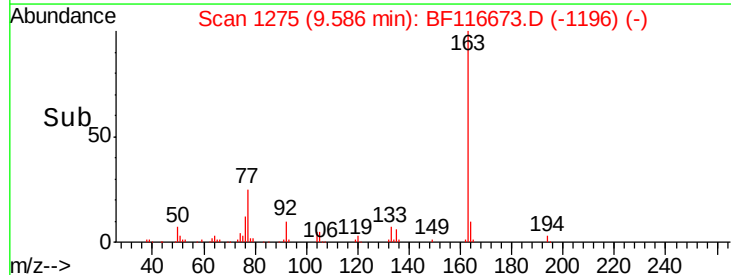
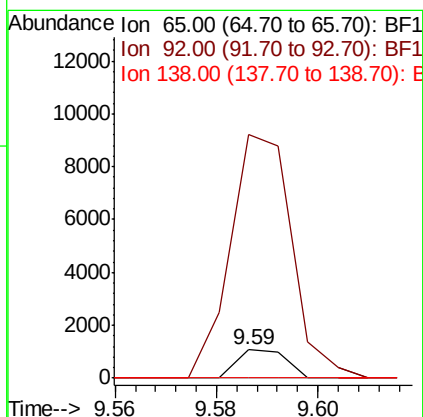
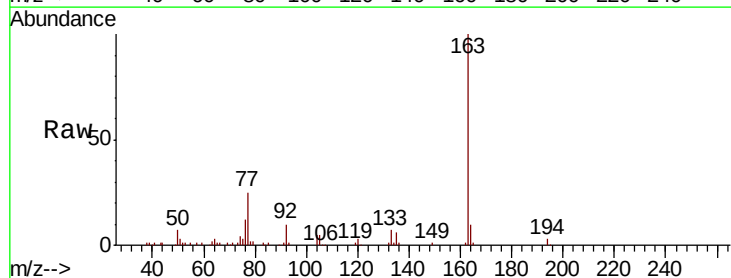
Instrument :
BNA_F
ClientSampleId :

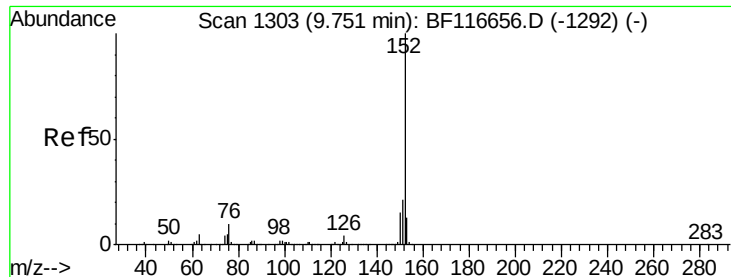
Tot Ion:162 Resp: 576
Ion Ratio Lower Upper
162 100
127 0.0 33.4 50.2#
164 984.1 26.6 39.8#



#48
2-Nitroaniline
Concen: 0.188 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.16 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Tgt Ion: 65 Resp: 731
Ion Ratio Lower Upper
65 100
92 862.0 57.1 85.7#
138 0.0 88.2 132.2#





#49

Acenaphthylene

Concen: 0.110 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampleId :

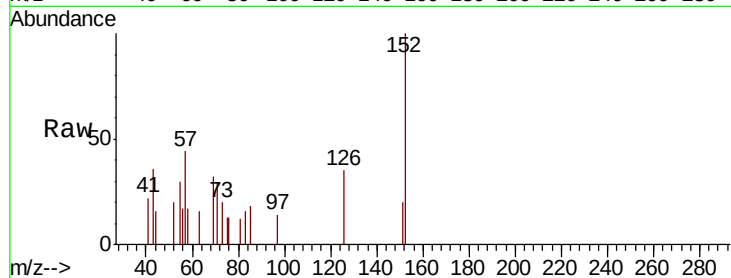
Tot Ion:152 Resp: 2235

Ion Ratio Lower Upper

152 100

151 19.6 15.9 23.9

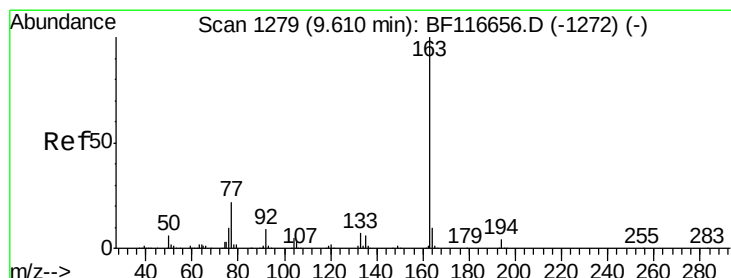
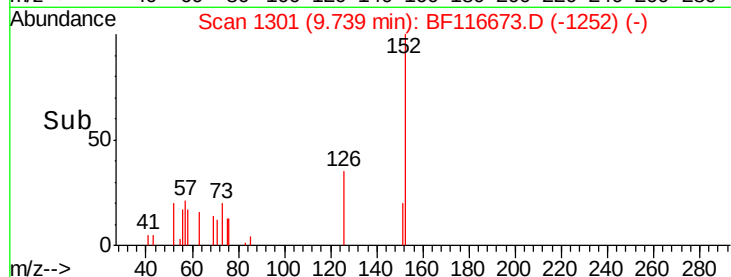
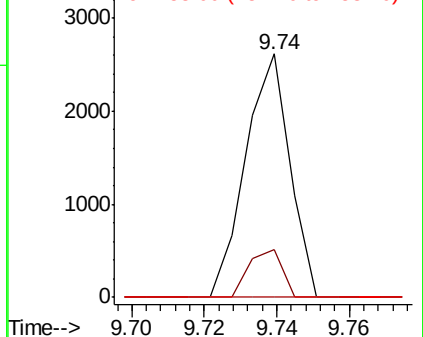
153 0.0 10.9 16.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.494 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

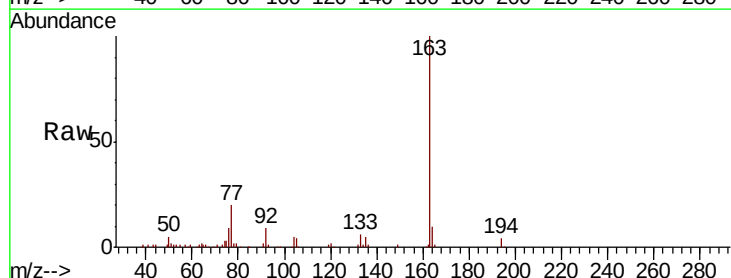
Tgt Ion:163 Resp: 84694

Ion Ratio Lower Upper

163 100

194 4.2 2.8 4.2#

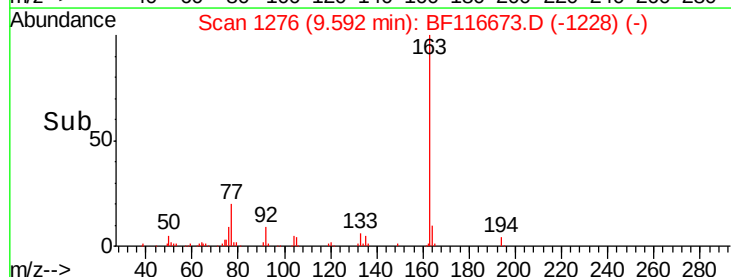
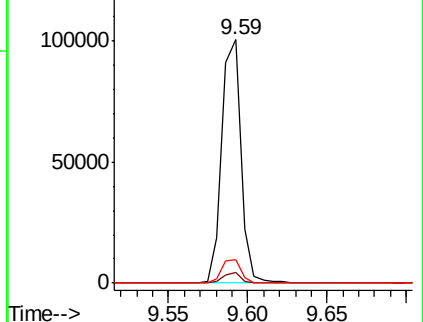
164 9.5 8.6 12.8

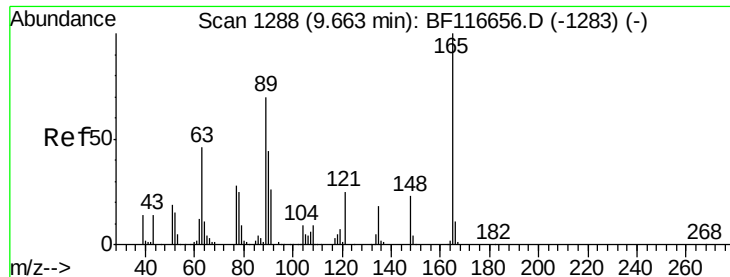


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

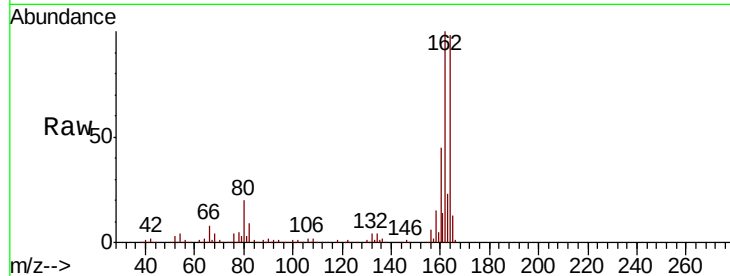




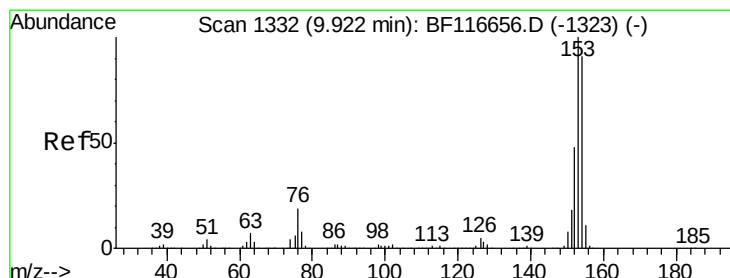
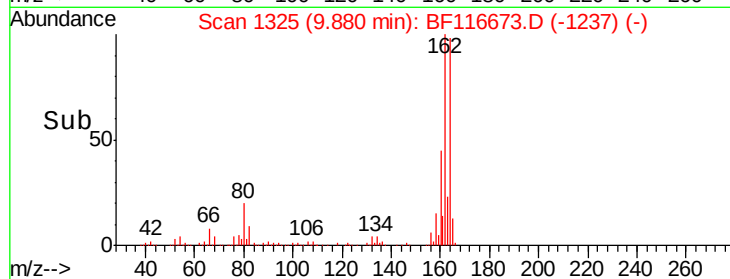
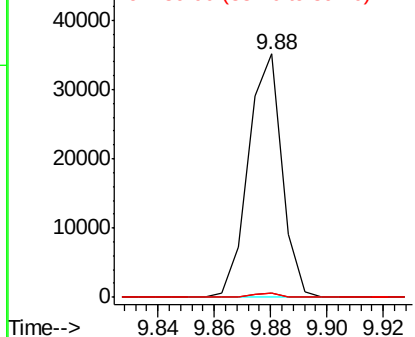
#51
 2,6-Dinitrotoluene
 Concen: 9.816 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.22 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	47.3	70.9#
89	2.0	52.5	78.7#

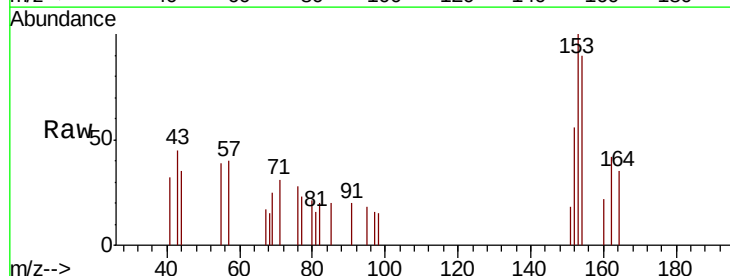


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

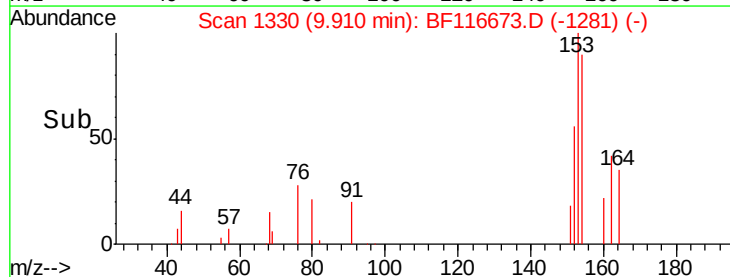
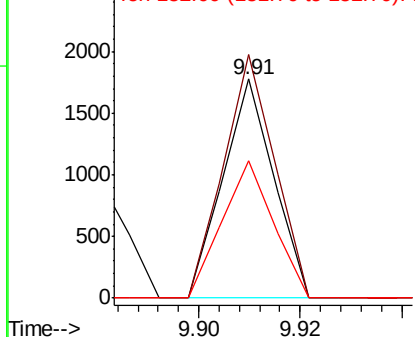


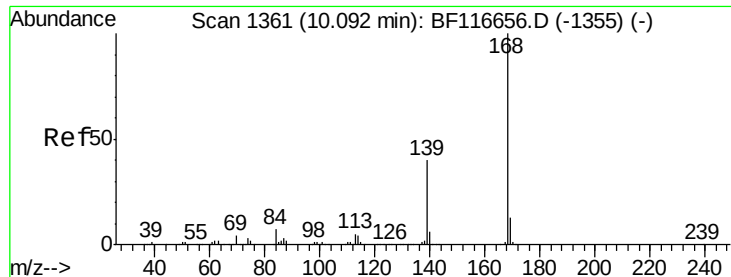
#52
 Acenaphthene
 Concen: 0.099 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.5	134.3
152	62.5	41.9	62.9



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 0.083 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampleId :

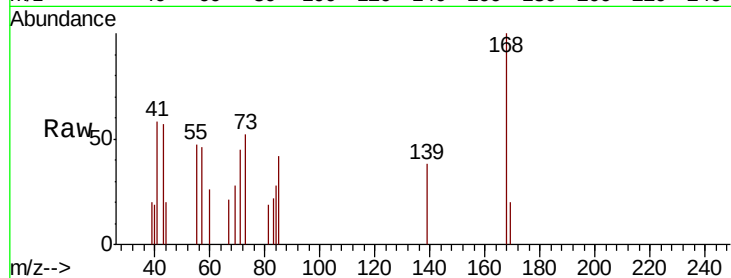
Tot Ion:168 Resp: 1459

Ion Ratio Lower Upper

168 100

139 37.6 31.5 47.3

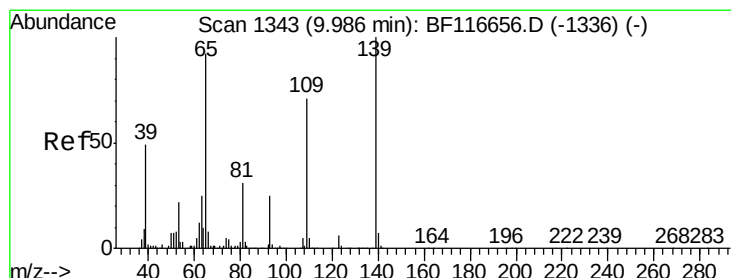
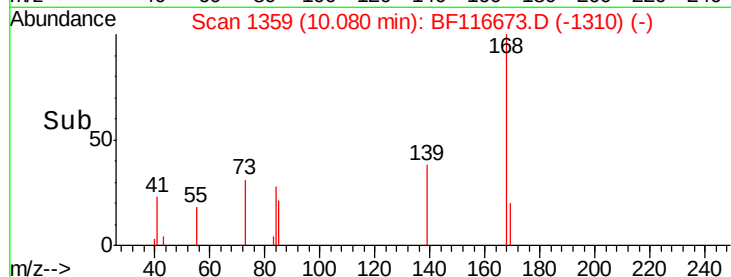
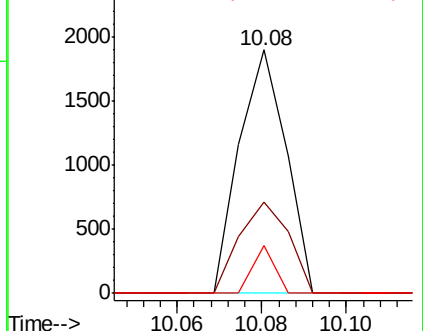
169 19.7 10.3 15.5#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 0.229 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.09 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

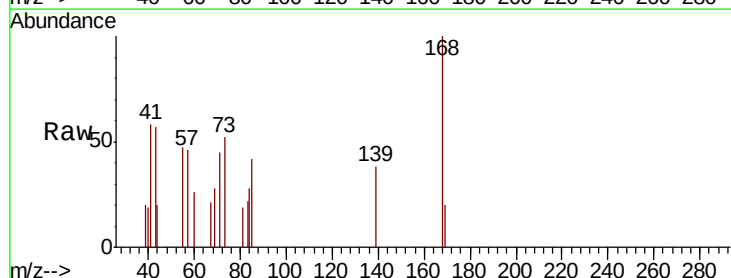
Tgt Ion:139 Resp: 579

Ion Ratio Lower Upper

139 100

109 0.0 61.7 101.7#

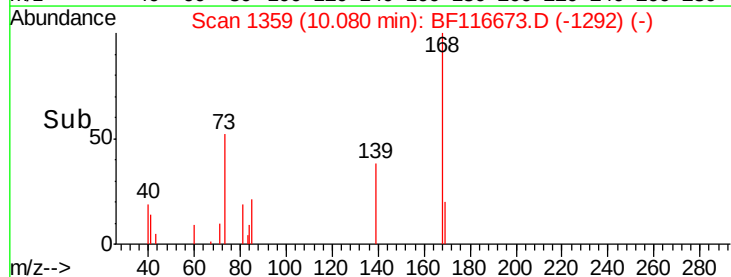
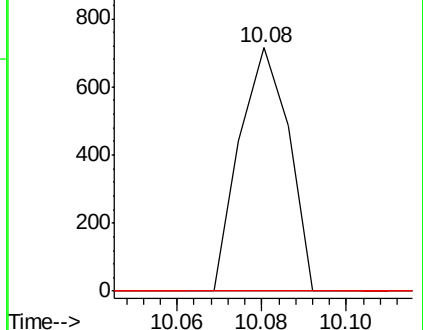
65 0.0 89.1 129.1#

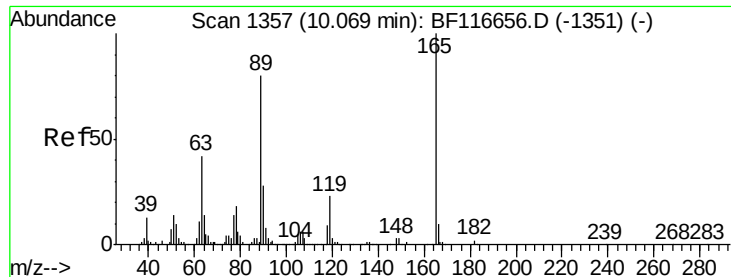


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 8.028 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 28870

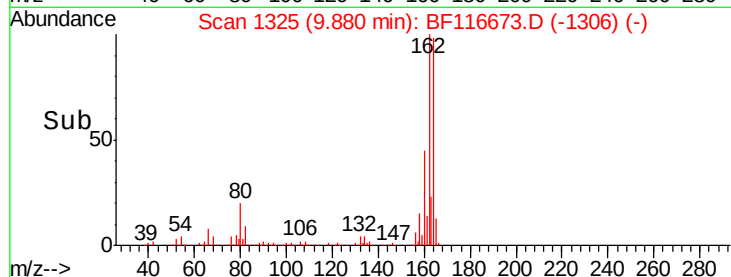
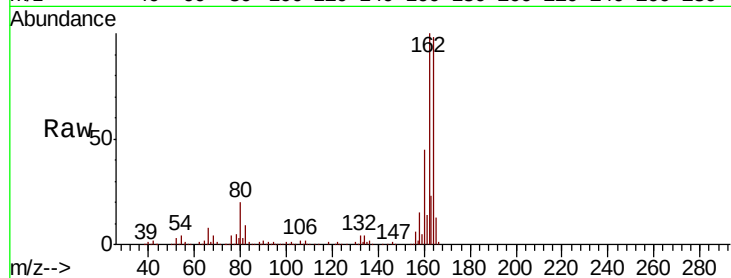
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 2.0 62.6 94.0#

182 0.0 2.1 3.1#

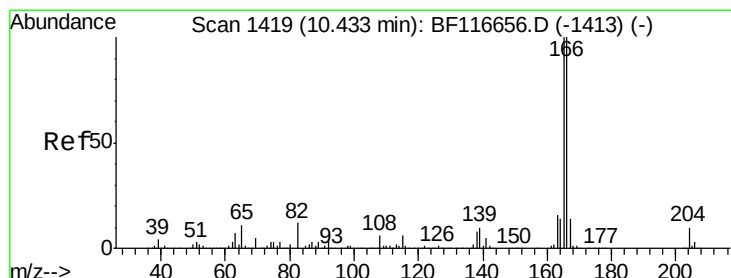
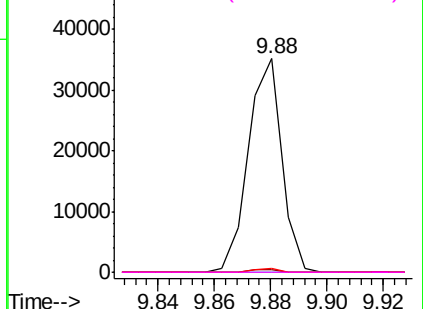


Abundance Ion 165.00 (164.70 to 165.70): E

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



#58

Fluorene

Concen: 0.087 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

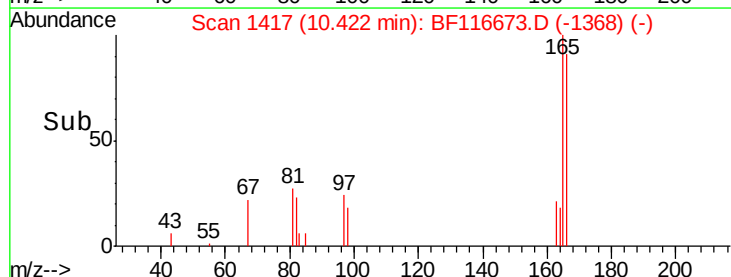
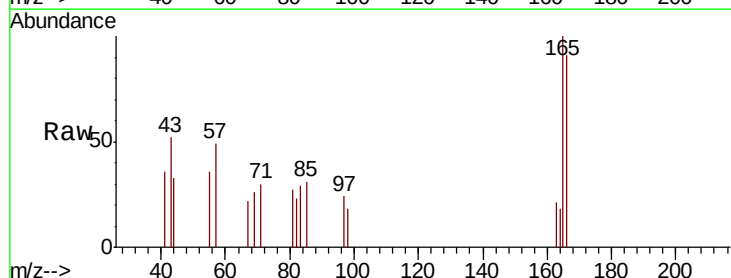
Tgt Ion:166 Resp: 1168

Ion Ratio Lower Upper

166 100

165 110.1 78.8 118.2

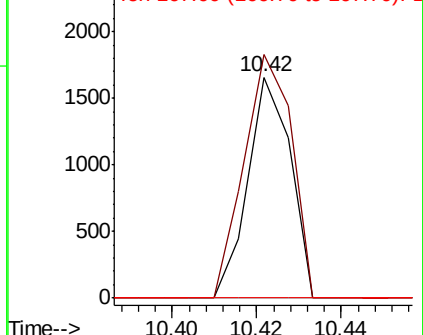
167 0.0 10.0 15.0#

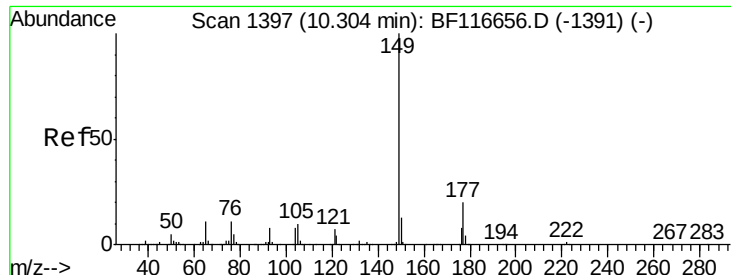


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

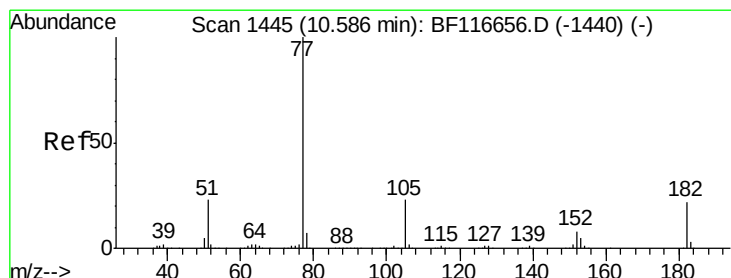
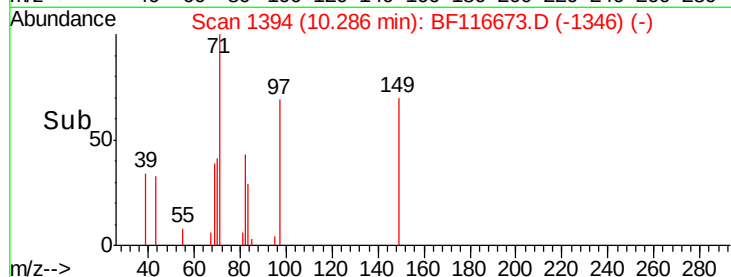
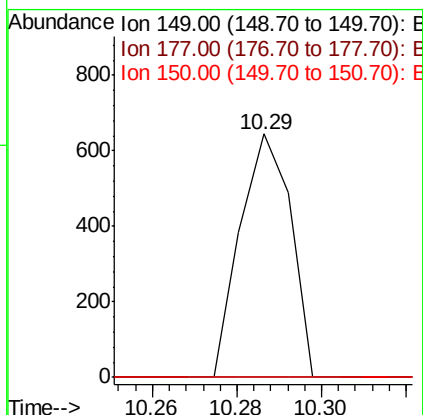
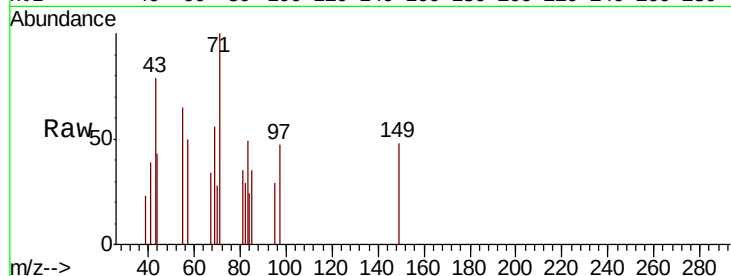




#60
Diethylphthalate
Concen: 0.035 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.02 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

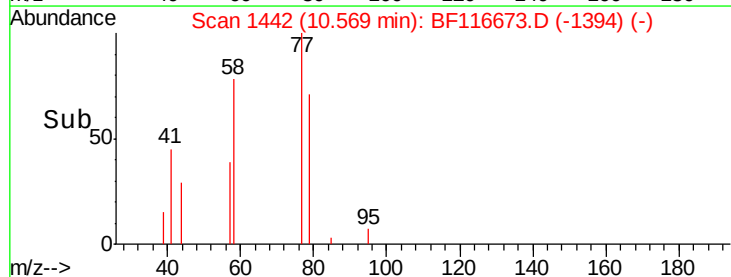
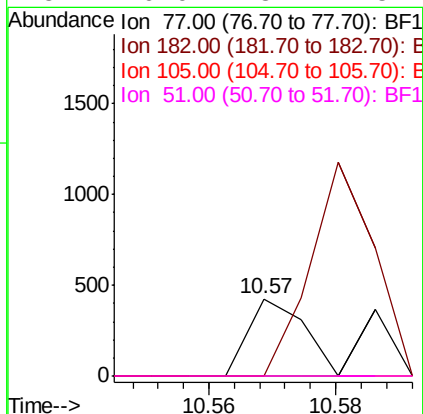
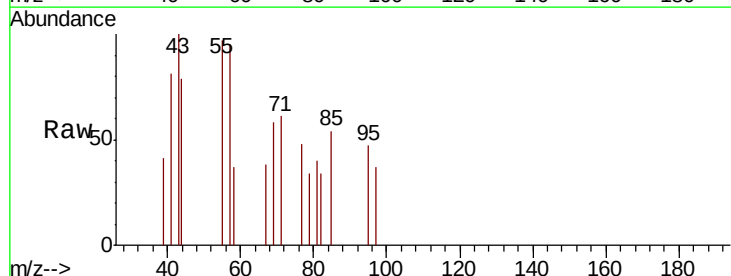
Instrument :
BNA_F
ClientSampleId :

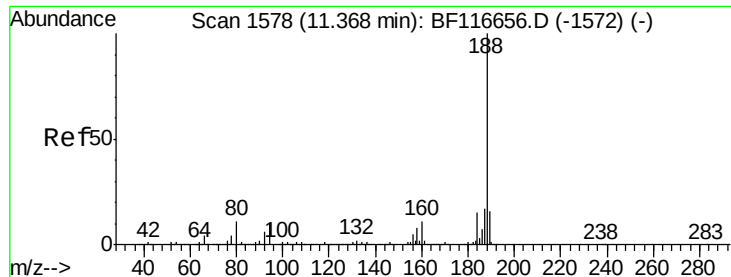
Tot Ion:149 Resp: 536
Ion Ratio Lower Upper
149 100
177 0.0 17.2 25.8#
150 0.0 9.7 14.5#



#63
Azobenzene
Concen: 0.016 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.02 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Tgt Ion: 77 Resp: 259
Ion Ratio Lower Upper
77 100
182 0.0 1.2 41.2#
105 0.0 0.6 40.6#
51 0.0 8.2 48.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampleId :

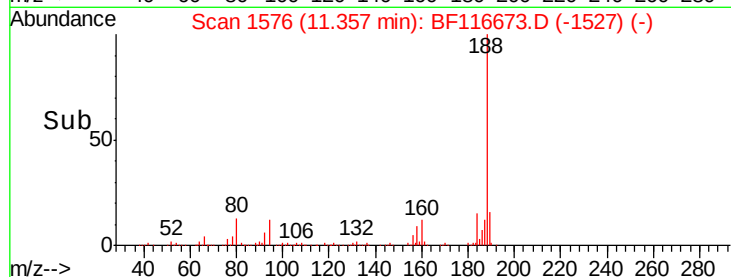
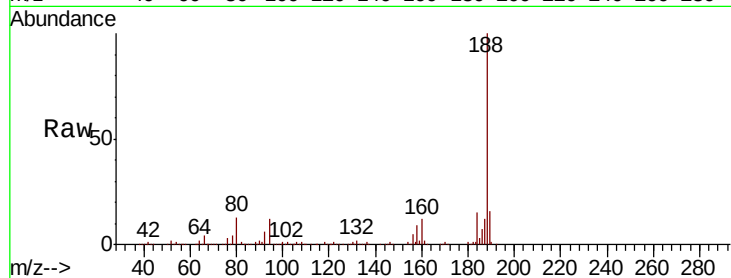
Tot Ion:188 Resp: 367185

Ion Ratio Lower Upper

188 100

94 11.9 7.3 10.9#

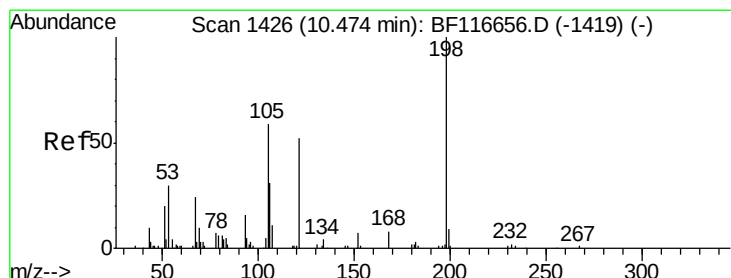
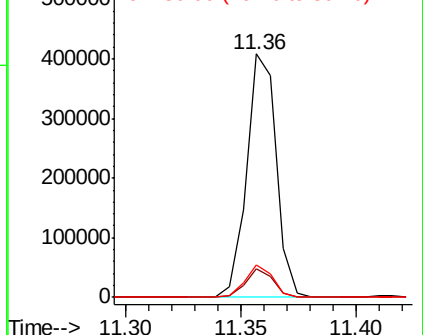
80 13.3 8.4 12.6#



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: 7.570 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

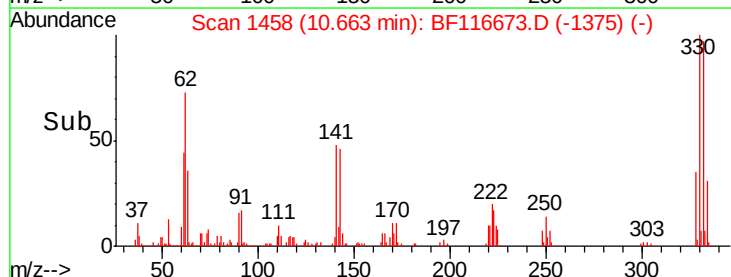
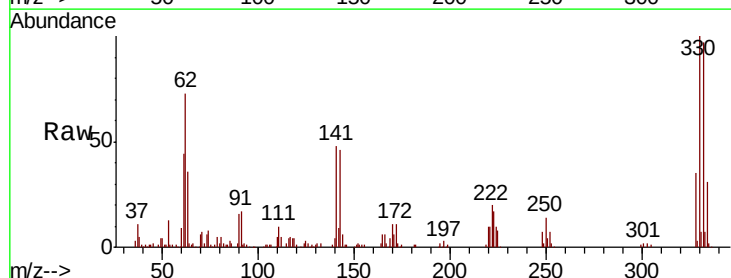
Tgt Ion:198 Resp: 191

Ion Ratio Lower Upper

198 100

51 199.8 18.4 58.4#

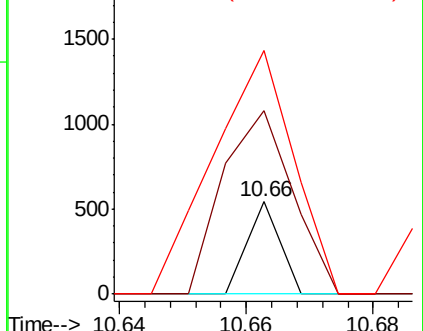
105 264.7 22.9 62.9#

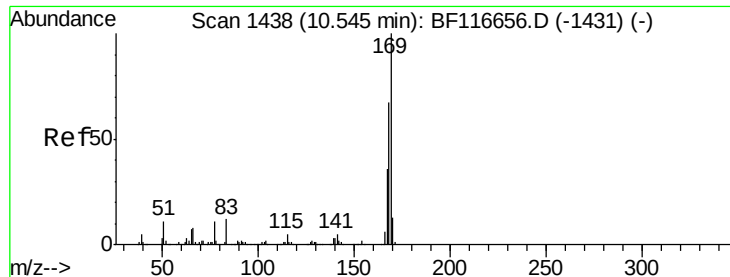


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

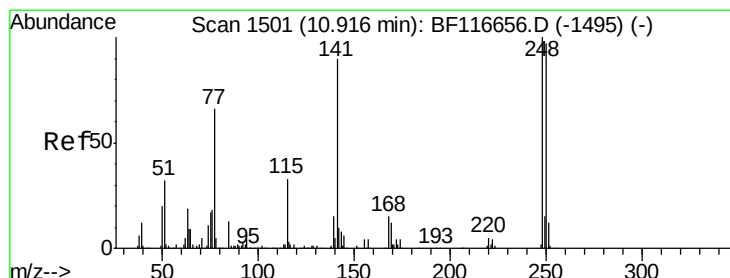
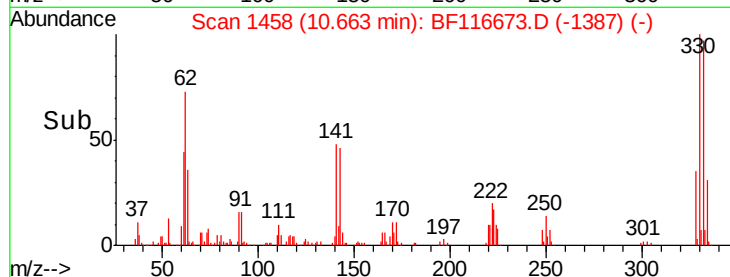
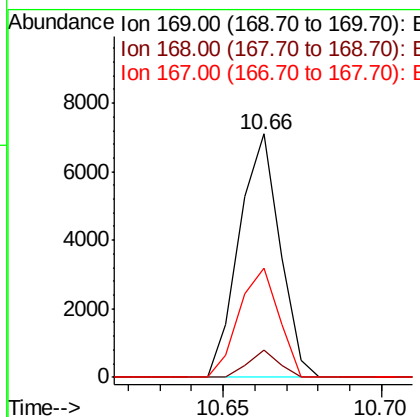
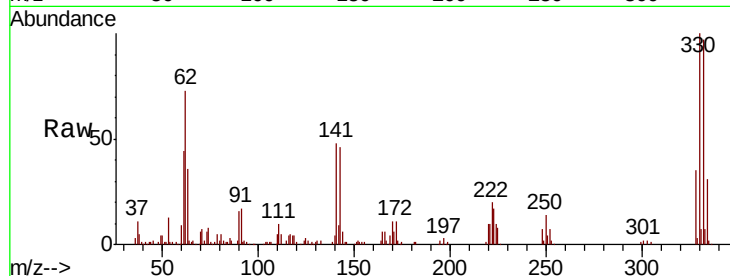




#66
 n-Nitrosodiphenylamine
 Concen: 0.498 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.12 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

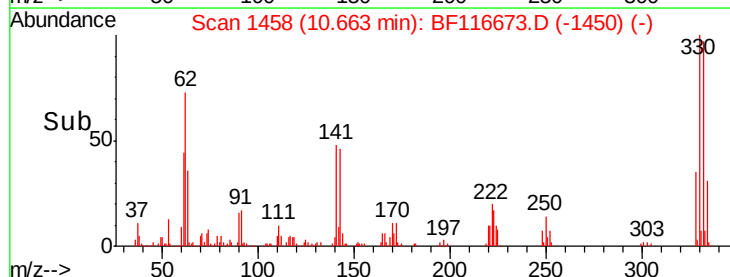
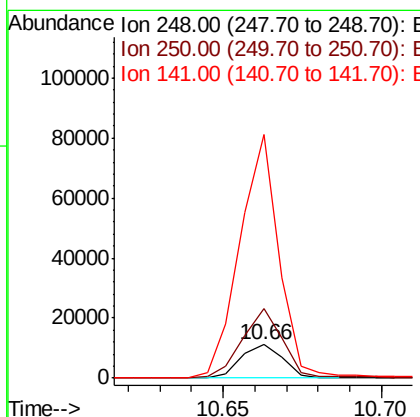
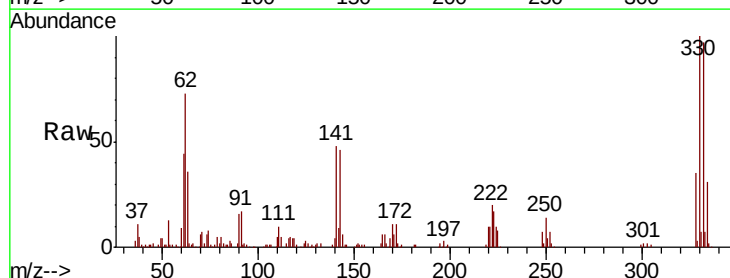
Instrument :
 BNA_F
 ClientSampleId :

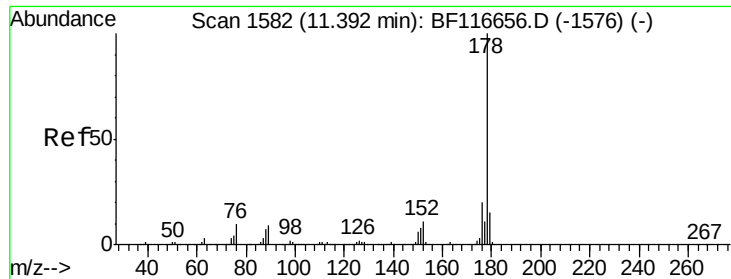
Tot Ion:169 Resp: 6324
 Ion Ratio Lower Upper
 169 100
 168 11.5 55.8 83.6#
 167 44.6 29.4 44.2#



#67
 4-Bromophenyl-phenylether
 Concen: 2.705 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

Tgt Ion:248 Resp: 10091
 Ion Ratio Lower Upper
 248 100
 250 205.3 77.8 116.8#
 141 724.3 75.9 113.9#





#71

Phenanthrene

Concen: 3.381 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampled :

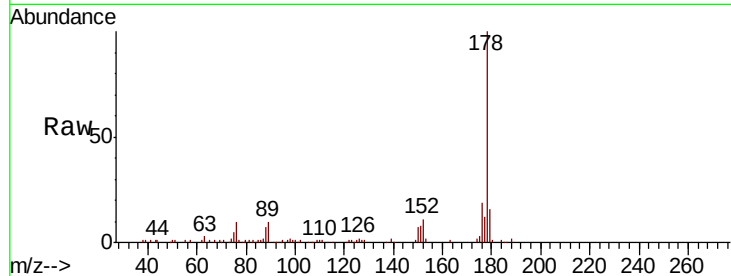
Tot Ion:178 Resp: 69110

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

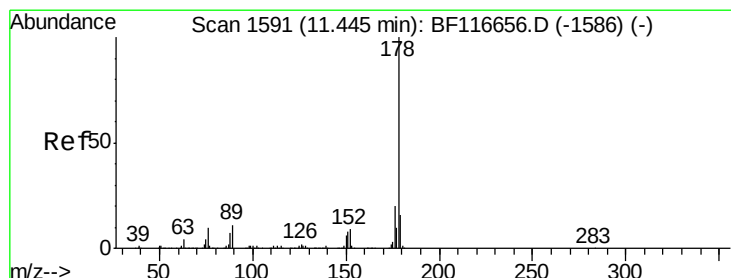
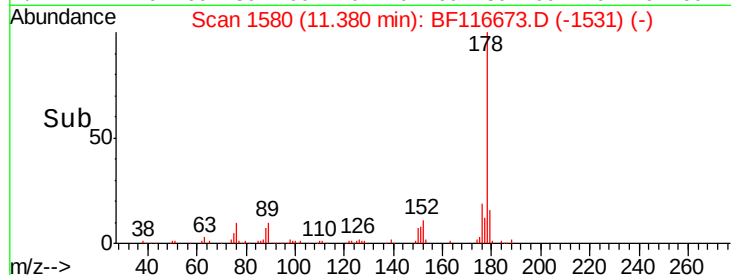
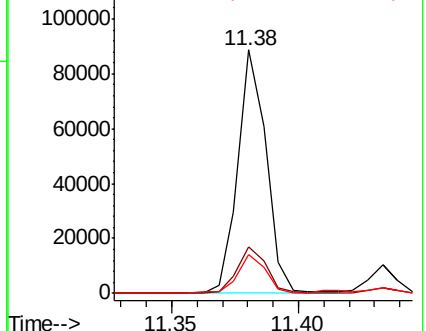
179 16.1 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 0.345 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

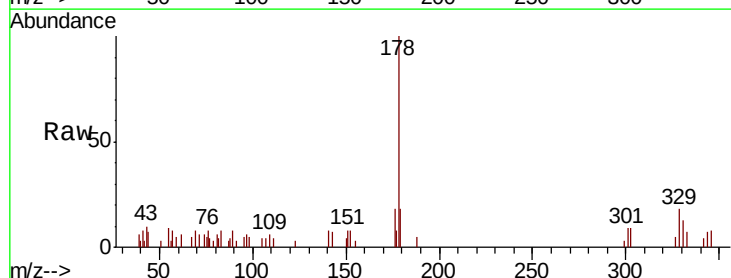
Tgt Ion:178 Resp: 7089

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.0

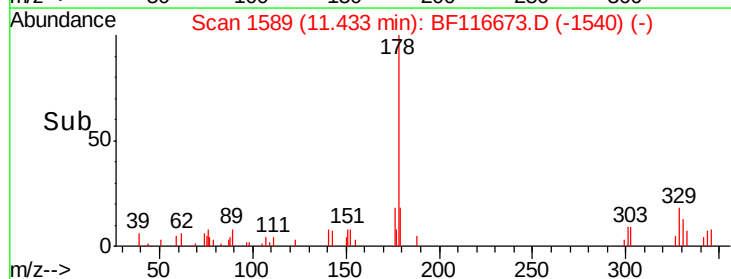
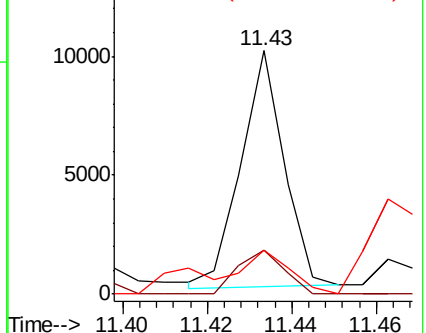
179 18.2 12.5 18.7

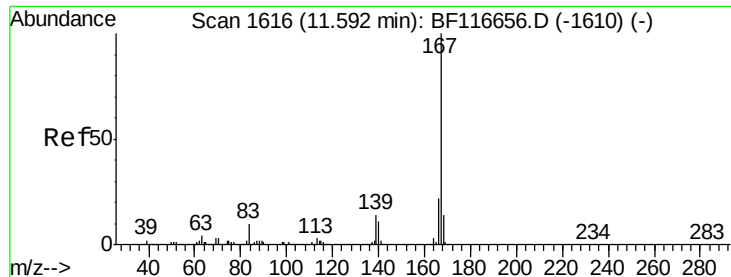


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

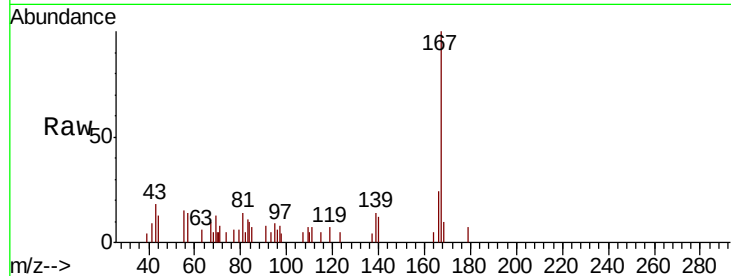




#73
 Carbazole
 Concen: 0.353 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.3	17.8	26.6
139	14.4	11.1	16.7

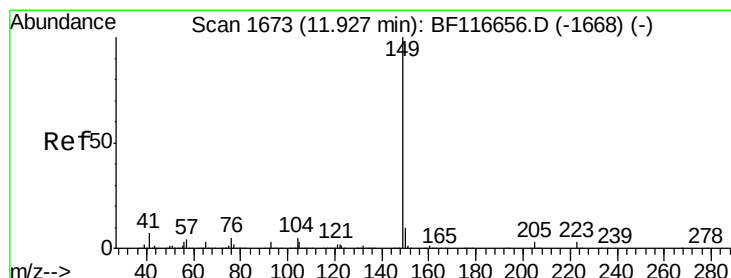
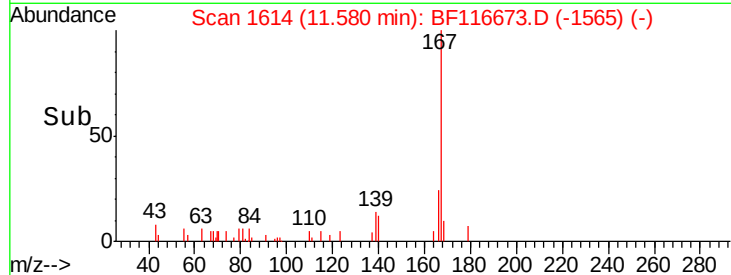
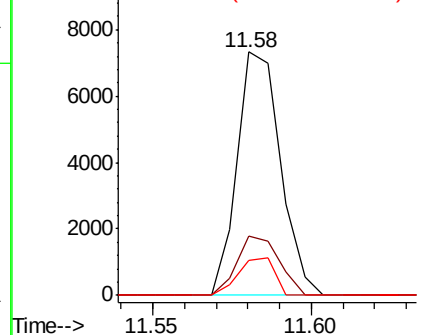


Abundance

Ion 167.00 (166.70 to 167.70): E

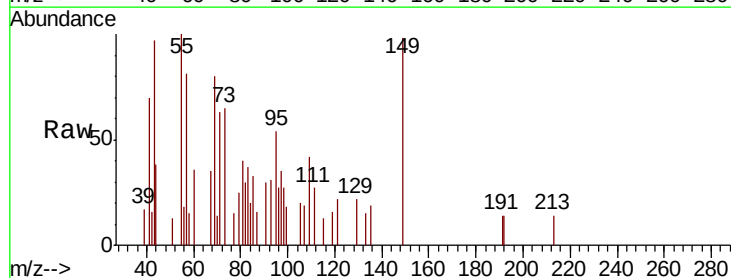
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 0.076 ng
 RT: 11.92 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BF116673.D
 Acq: 31 Aug 2019 1:58

Tgt Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.2	10.8#
104	0.0	4.2	6.2#

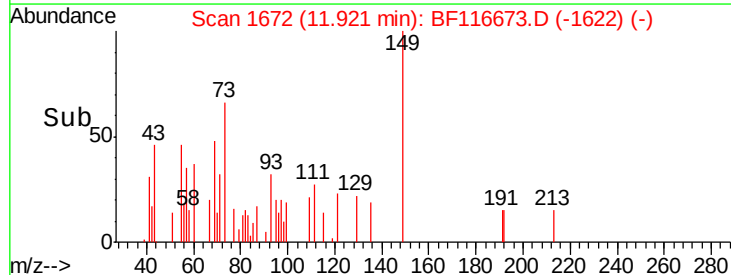
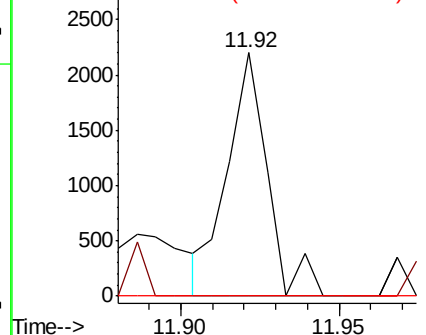


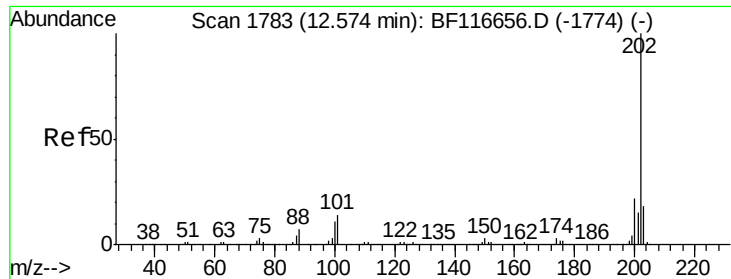
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 11.806 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampleId :

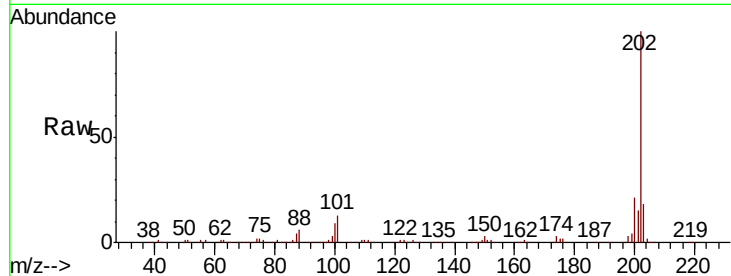
Tot Ion:202 Resp: 237158

Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.3

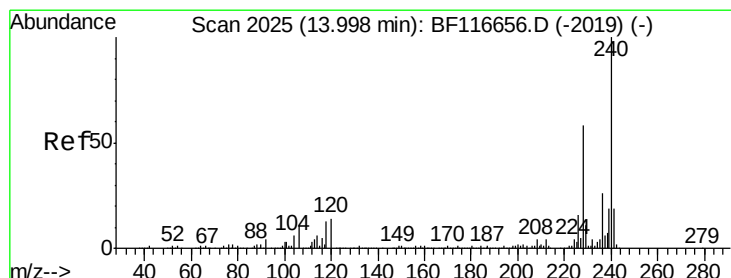
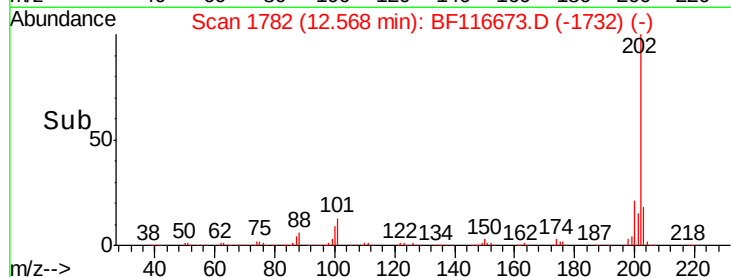
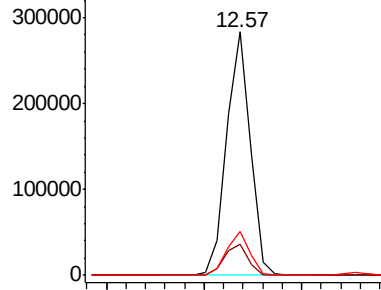
203 17.8 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

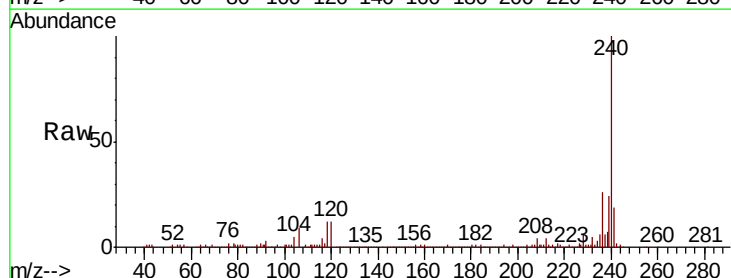
Tgt Ion:240 Resp: 246341

Ion Ratio Lower Upper

240 100

120 11.9 9.1 13.7

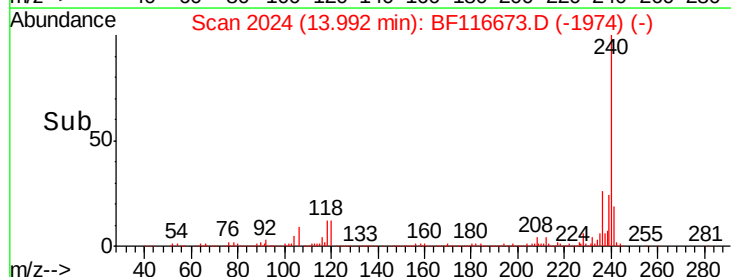
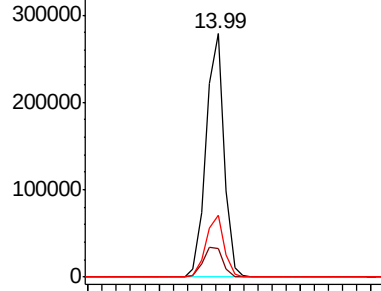
236 25.6 21.1 31.7

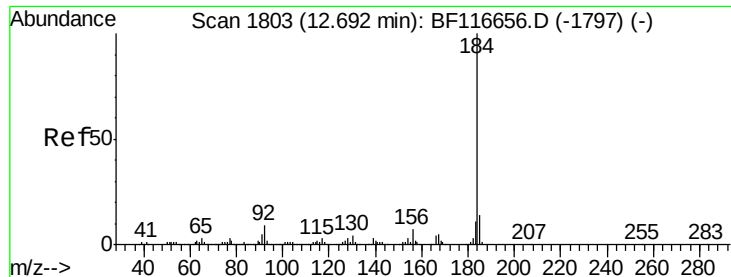


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.066 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.25 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

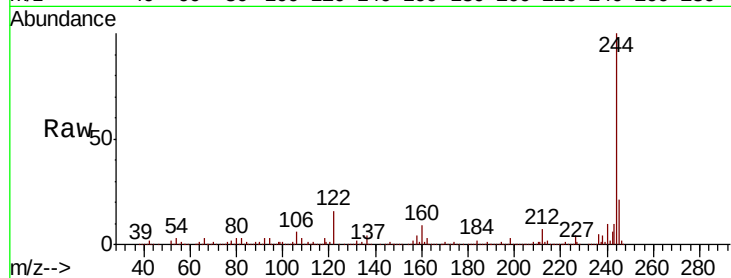
Instrument :

BNA_F

ClientSampleId :

Tot Ion:184 Resp: 10298

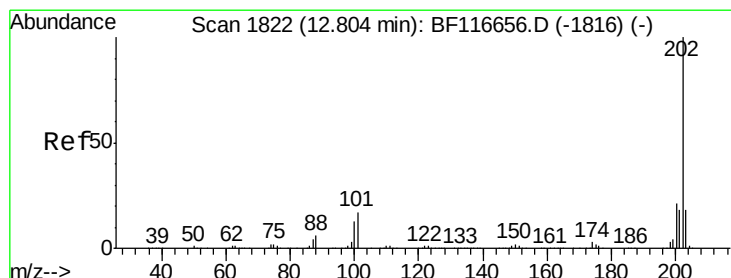
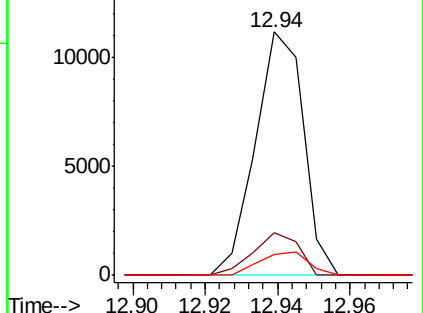
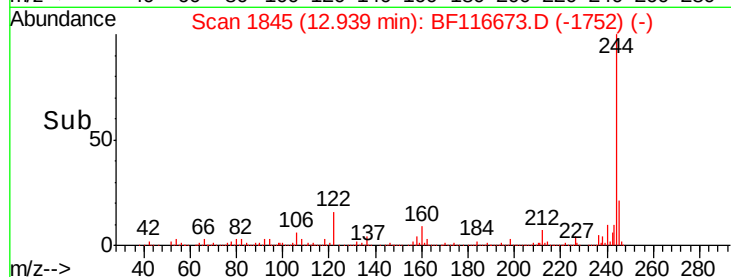
Ion	Ratio	Lower	Upper
184	100		
185	17.6	11.3	16.9#
183	8.8	9.2	13.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 9.368 ng

RT: 12.80 min Scan# 1821

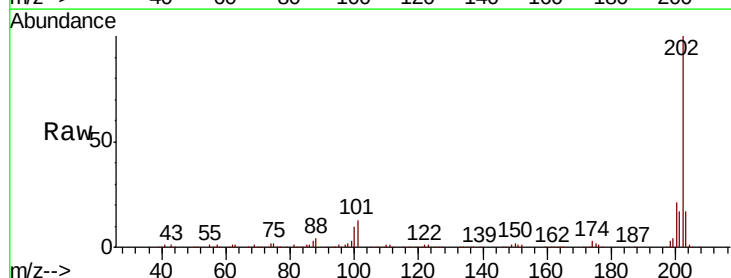
Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Tgt Ion:202 Resp: 205152

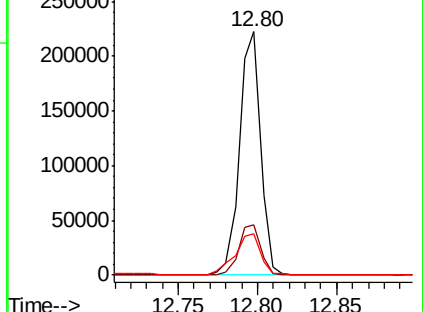
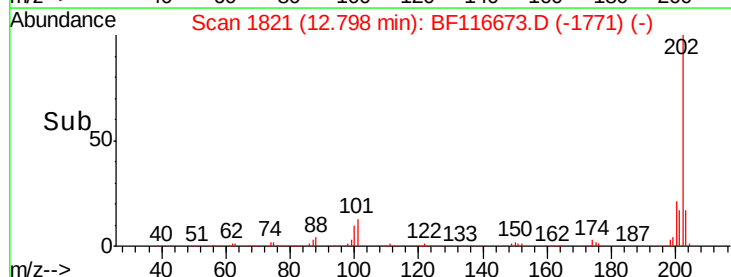
Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.1	13.7	20.5

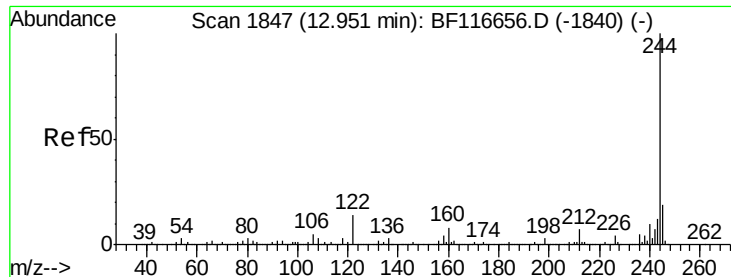


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 52.351 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116673.D

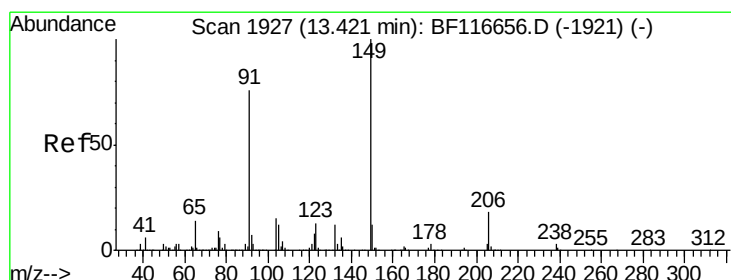
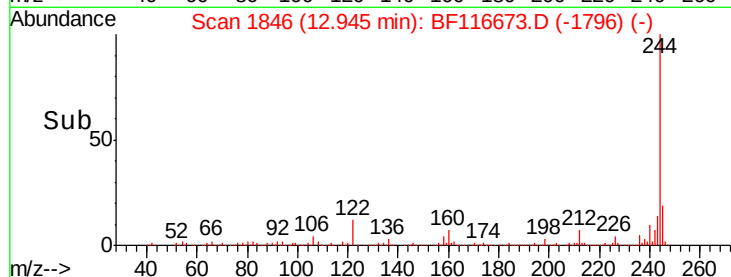
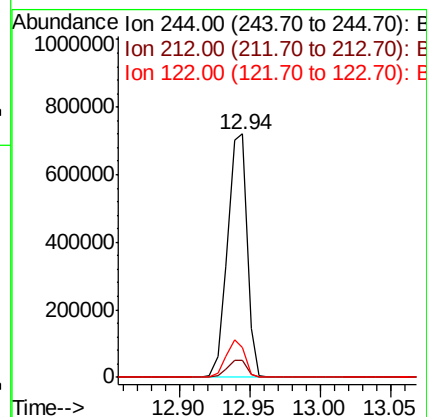
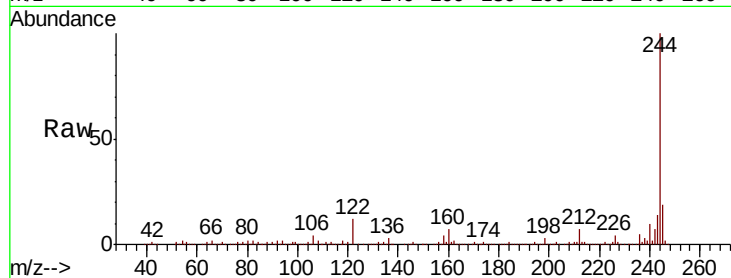
Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampled :

Tot Ion:244	Resp:	697117
Ion Ratio	Lower	Upper
244	100	
212	7.2	6.1 9.1
122	12.0	10.2 15.4



#80

Butylbenzylphthalate

Concen: 0.251 ng

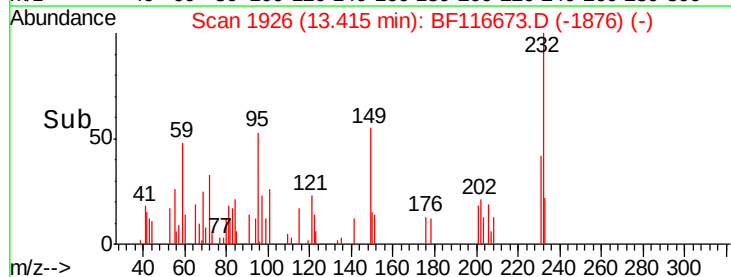
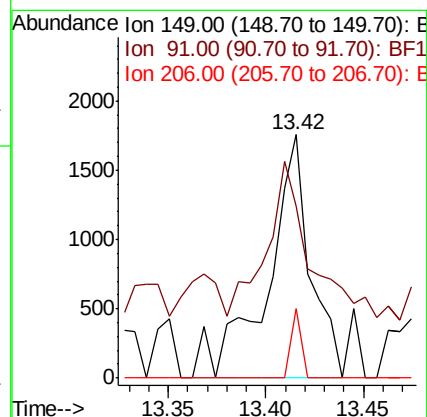
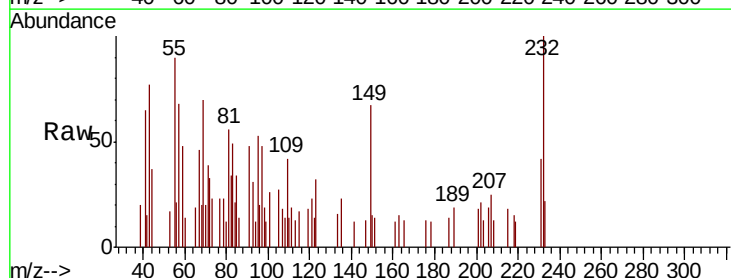
RT: 13.42 min Scan# 1926

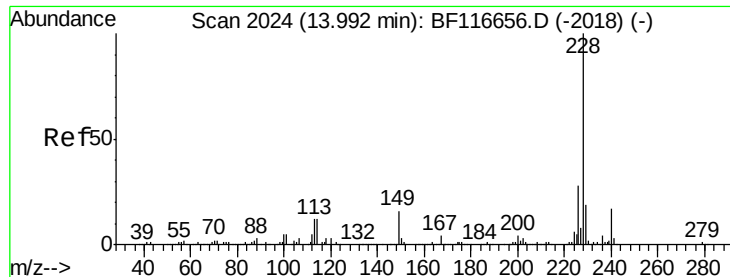
Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Tgt Ion:149	Resp:	2678
Ion Ratio	Lower	Upper
149	100	
91	70.6	61.0 91.4
206	28.5	14.8 22.2#

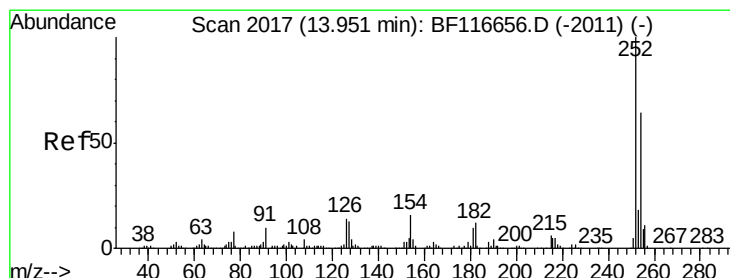
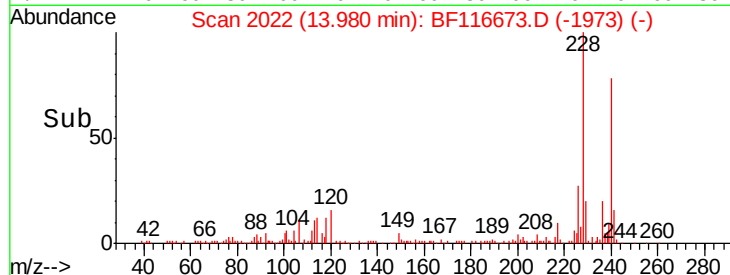
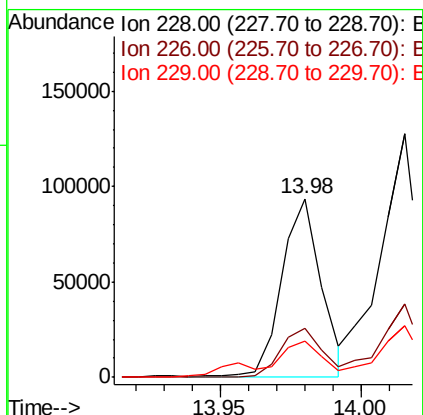
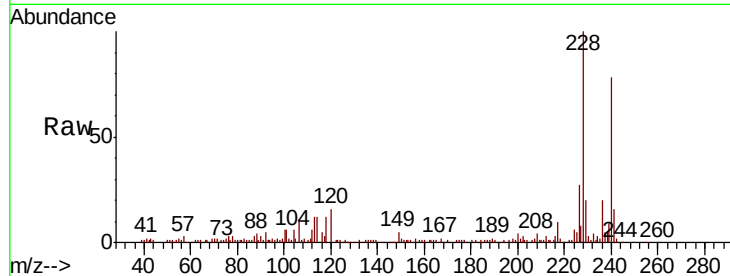




#81
Benzo(a)anthracene
Concen: 5.776 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

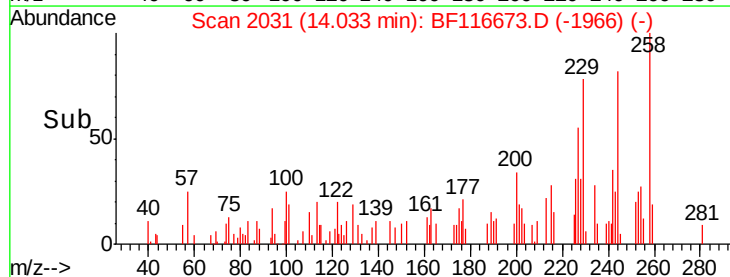
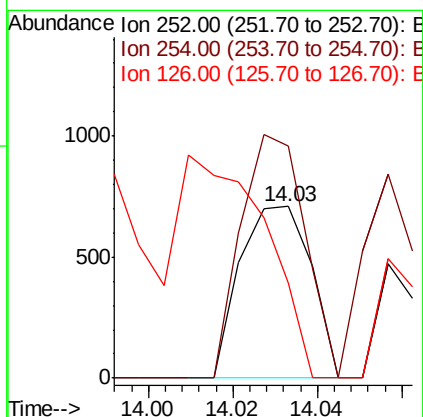
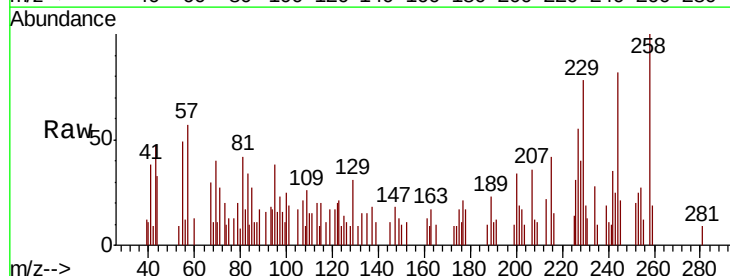
Instrument :
BNA_F
ClientSampleId :

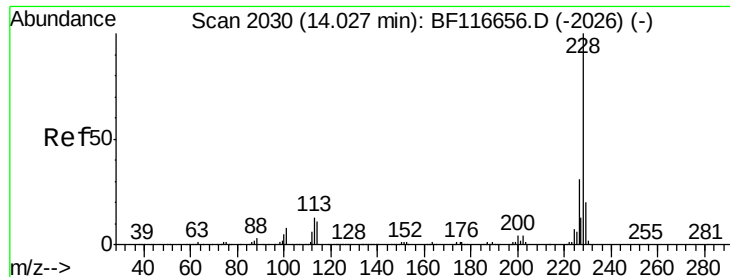
Tot Ion:228 Resp: 90053
Ion Ratio Lower Upper
228 100
226 27.5 22.0 33.0
229 20.2 16.4 24.6



#82
3,3'-Dichlorobenzidine
Concen: 0.158 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.08 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Tgt Ion:252 Resp: 830
Ion Ratio Lower Upper
252 100
254 135.5 50.1 75.1#
126 55.4 10.6 16.0#





#83

Chrysene

Concen: 7.653 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampleId :

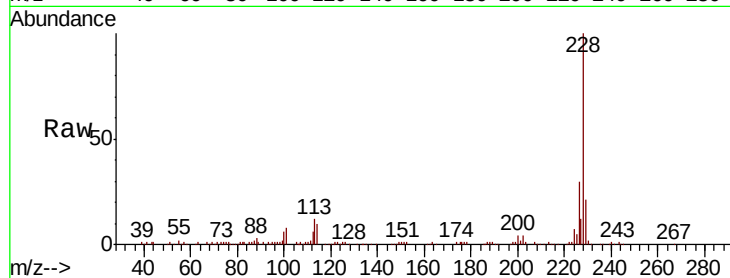
Tot Ion:228 Resp: 122926

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

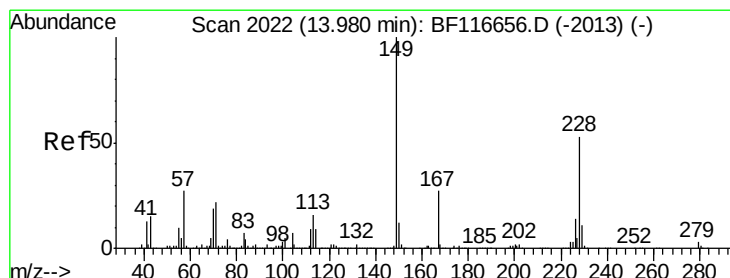
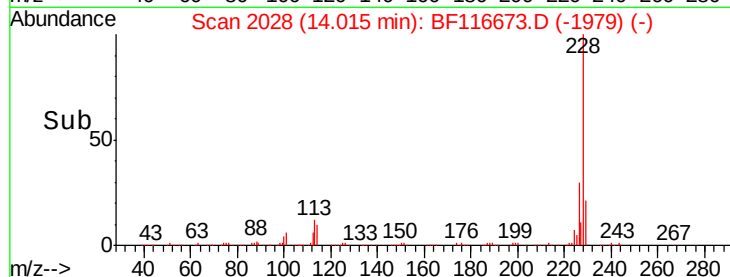
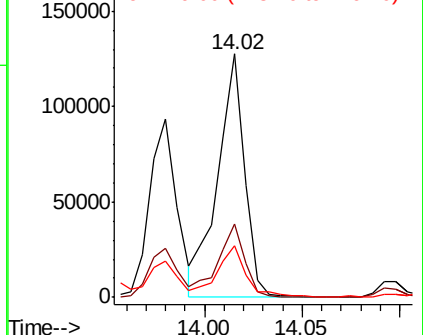
229 21.3 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.448 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

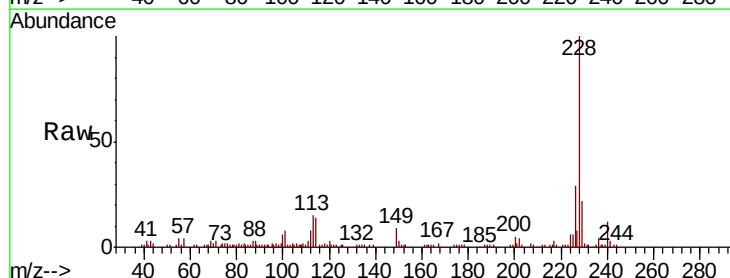
Tgt Ion:149 Resp: 5891

Ion Ratio Lower Upper

149 100

167 25.5 21.0 31.4

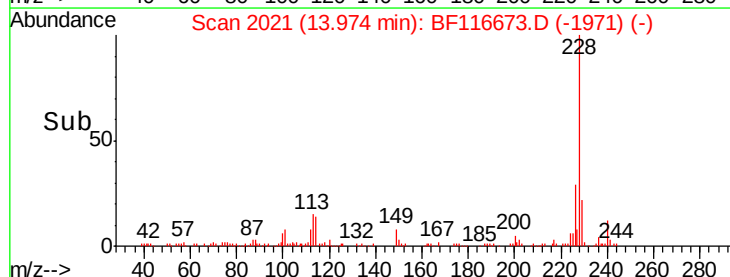
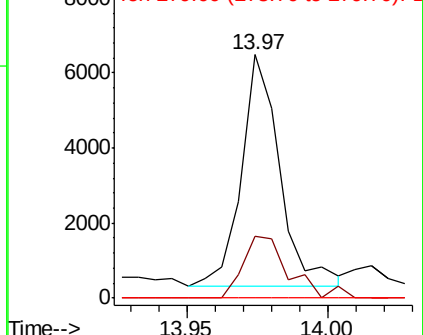
279 0.0 2.8 4.2#

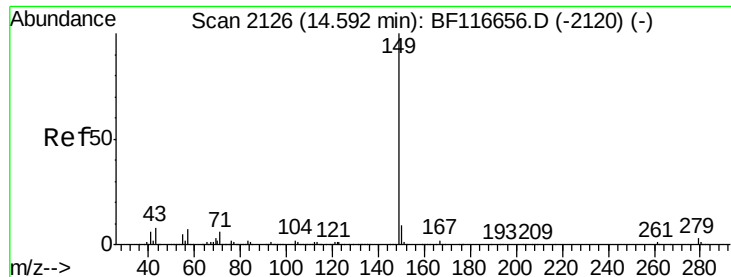


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.010 ng

RT: 14.56 min Scan# 2121

Delta R.T. -0.03 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampled :

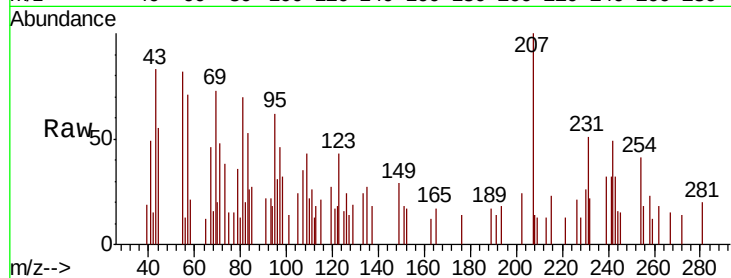
Tot Ion:149 Resp: 210

Ion Ratio Lower Upper

149 100

167 65.7 1.3 1.9#

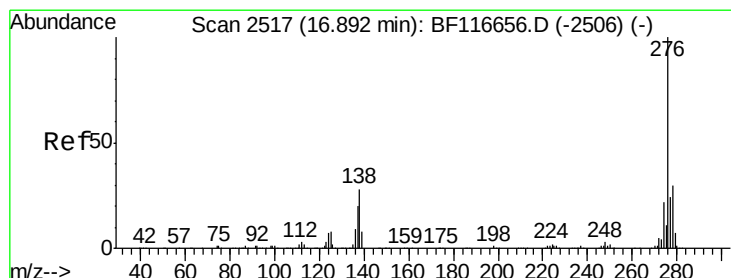
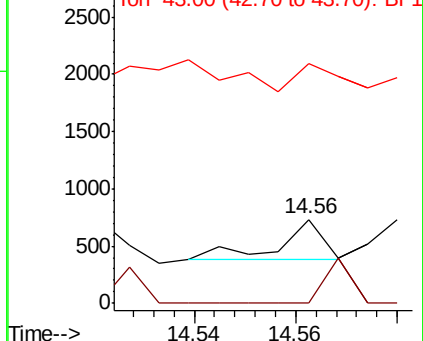
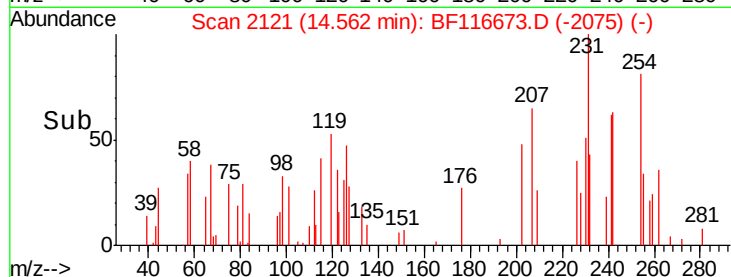
43 0.0 7.8 11.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.167 ng

RT: 16.87 min Scan# 2514

Delta R.T. -0.02 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

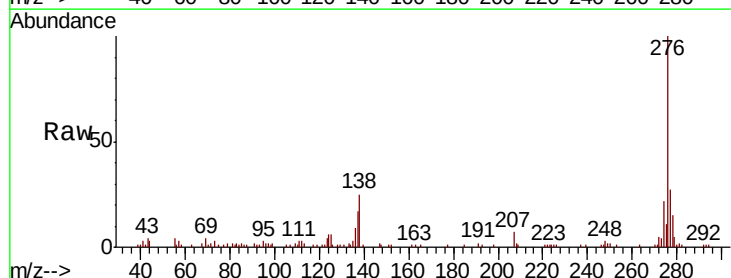
Tgt Ion:276 Resp: 79563

Ion Ratio Lower Upper

276 100

138 27.4 19.4 29.2

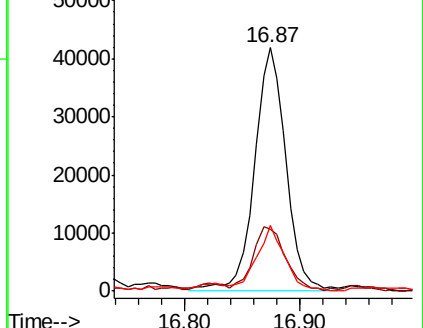
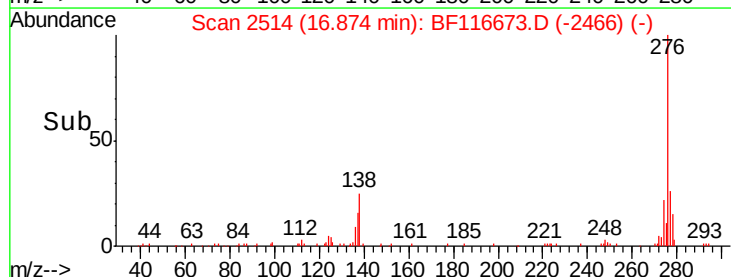
277 24.5 20.5 30.7

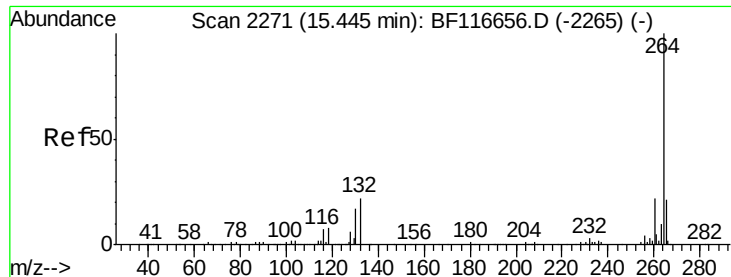


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampled :

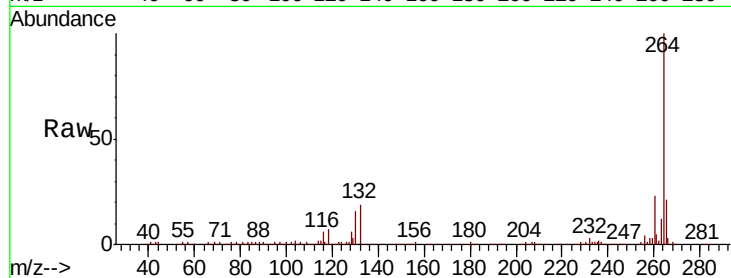
Tot Ion:264 Resp: 269977

Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

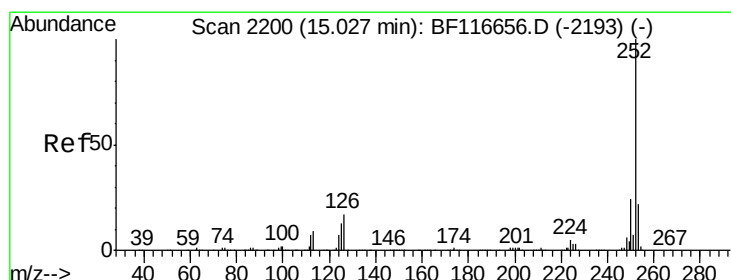
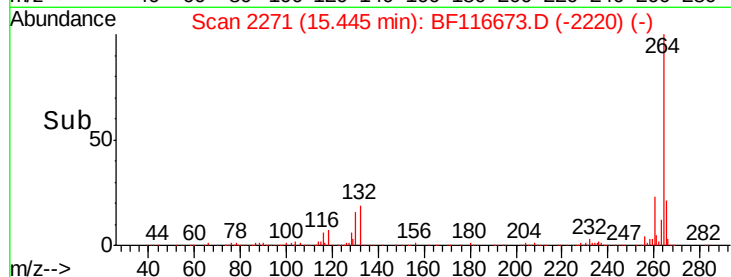
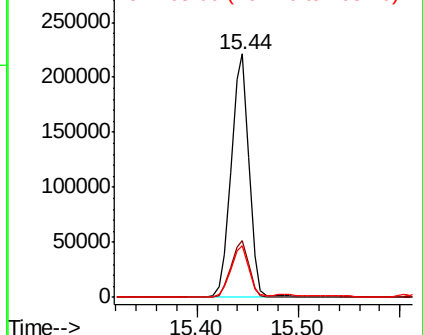
265 21.4 16.5 24.7



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



#88

Benzo(b)fluoranthene

Concen: 12.677 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

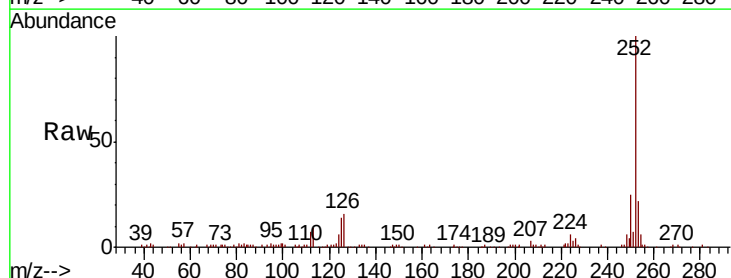
Tgt Ion:252 Resp: 206911

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

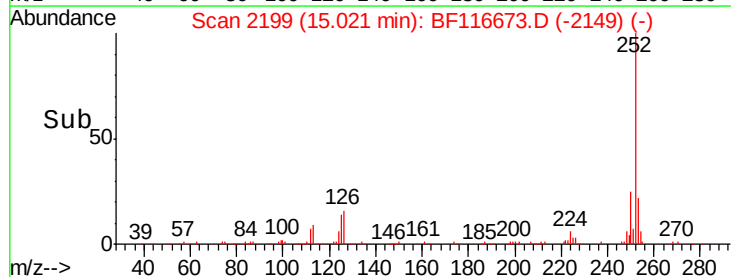
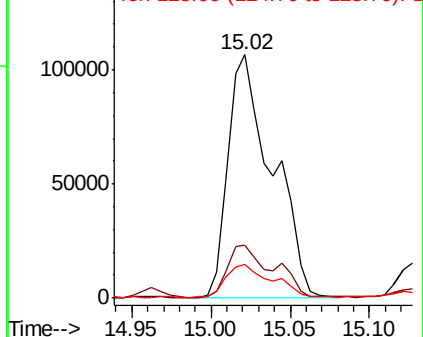
125 14.0 8.2 12.2#

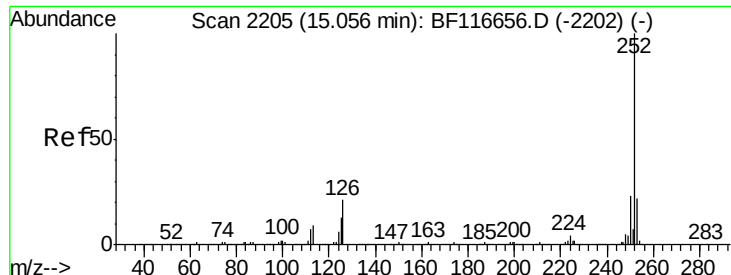


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

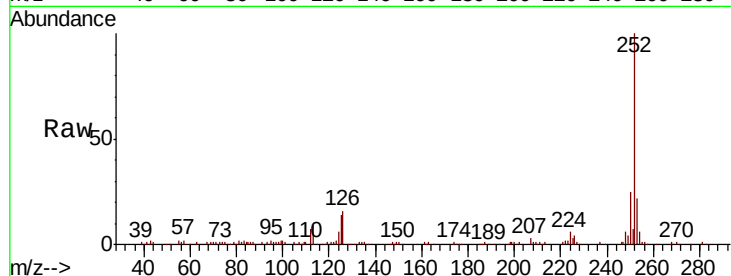




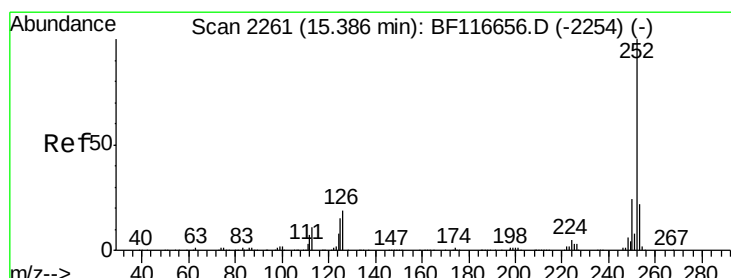
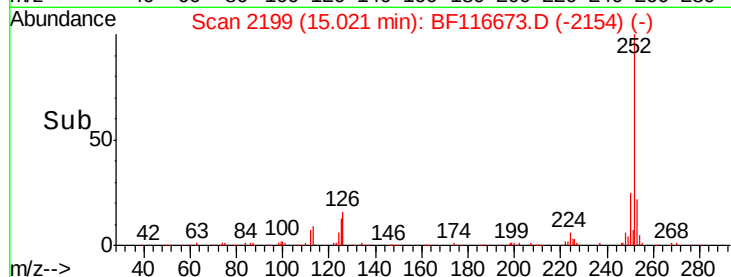
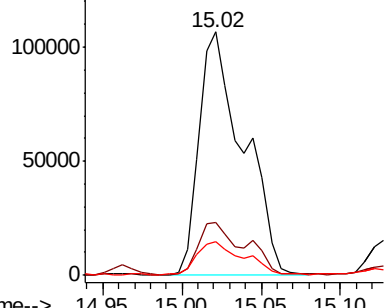
#89
Benzo(k)fluoranthene
Concen: 13.903 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	14.0	8.6	13.0

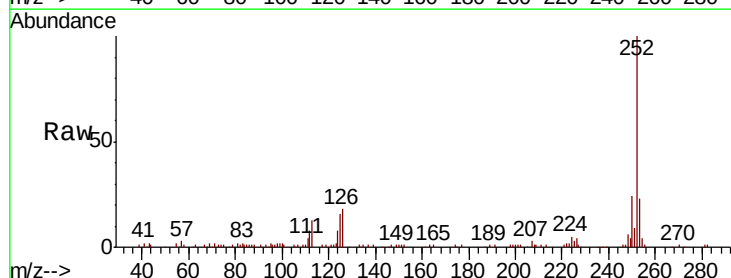


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

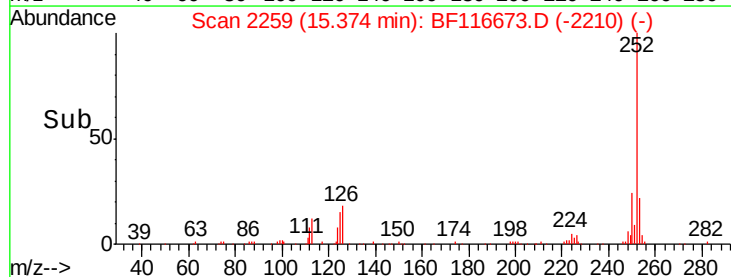
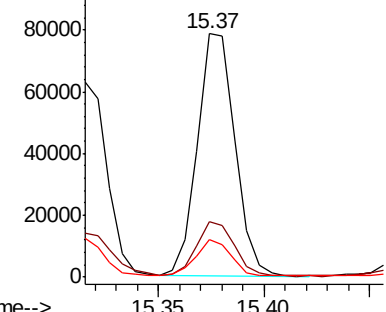


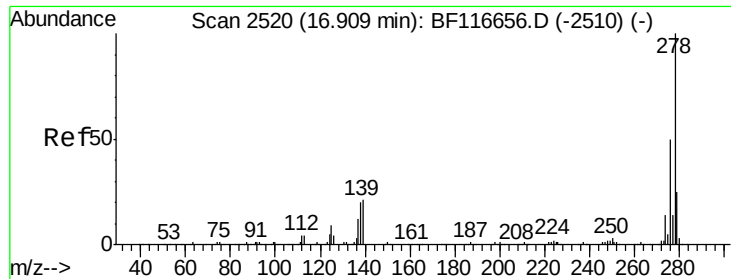
#90
Benzo(a)pyrene
Concen: 6.818 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF116673.D
Acq: 31 Aug 2019 1:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	15.6	9.8	14.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 1.646 ng

RT: 16.88 min Scan# 2515

Delta R.T. -0.03 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

Instrument :

BNA_F

ClientSampleId :

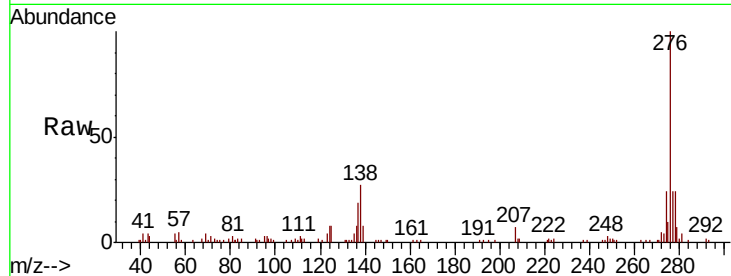
Tot Ion:278 Resp: 20465

Ion Ratio Lower Upper

278 100

139 33.6 12.4 18.6#

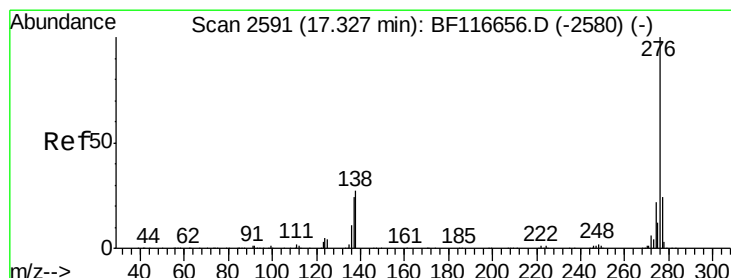
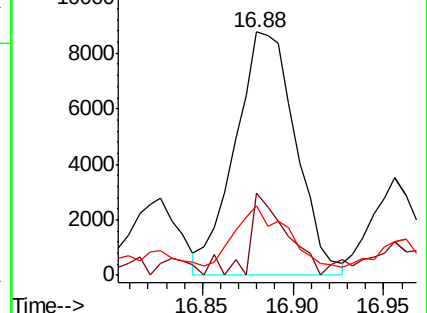
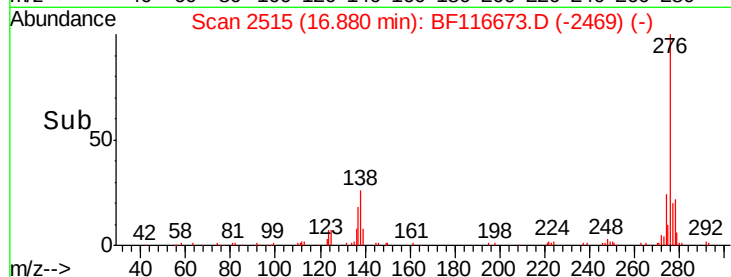
279 28.8 18.2 27.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 5.681 ng

RT: 17.31 min Scan# 2588

Delta R.T. -0.02 min

Lab File: BF116673.D

Acq: 31 Aug 2019 1:58

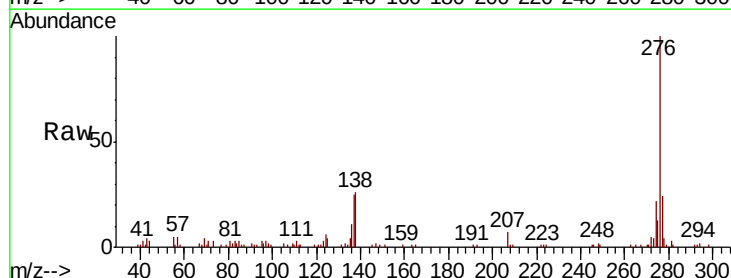
Tgt Ion:276 Resp: 72013

Ion Ratio Lower Upper

276 100

277 24.2 18.5 27.7

138 26.3 16.2 24.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

