

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116036.D
 Acq On : 7 Aug 2019 3:39
 Operator : HP/JU
 Sample : K4090-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080219-A

Quant Time: Aug 07 06:48:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	125261	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	486949	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	246273	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	393523	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	321530	20.00	ng	-0.03
87) Perylene-d12	15.47	264	353518	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	353700	47.27	ng	0.00
7) Phenol-d6	6.47	99	479893	50.83	ng	-0.02
23) Nitrobenzene-d5	7.40	82	300590	35.63	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	87915	36.82	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	577058	43.89	ng	-0.02
79) Terphenyl-d14	12.94	244	520397	34.10	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.61	93	378	0.028	ng	# 1
9) Benzaldehyde	6.47	77	571	0.088	ng	# 1
10) Phenol	6.49	94	7015	0.631	ng	# 35
11) bis(2-Chloroethyl)ether	6.61	93	378	0.046	ng	# 1
15) Benzyl Alcohol	7.00	79	5165	0.721	ng	# 43
24) Nitrobenzene	7.40	77	795	0.087	ng	# 34
31) Naphthalene	8.15	128	951	0.042	ng	# 68
37) 2-Methylnaphthalene	8.85	142	622	0.041	ng	# 78
38) 1-Methylnaphthalene	8.94	142	623	0.044	ng	# 87
46) 1,1'-Biphenyl	9.30	154	912	0.052	ng	# 87
48) 2-Nitroaniline	9.59	65	448	0.094	ng	# 1
49) Acenaphthylene	9.74	152	6147	0.291	ng	# 98
50) Dimethylphthalate	9.59	163	41539	2.477	ng	# 99
52) Acenaphthene	9.91	154	809	0.062	ng	# 96
55) Dibenzofuran	10.09	168	699	0.037	ng	# 73
56) 4-Nitrophenol	10.09	139	108	0.037	ng	# 9
58) Fluorene	10.43	166	2154	0.149	ng	# 95
60) Diethylphthalate	10.29	149	428	0.027	ng	# 58
63) Azobenzene	10.59	77	575	0.036	ng	# 1
66) n-Nitrosodiphenylamine	10.54	169	522	0.044	ng	# 24
67) 4-Bromophenyl-phenylether	10.66	248	4867	1.155	ng	# 1
71) Phenanthrene	11.39	178	20359	1.012	ng	# 98
73) Carbazole	11.60	167	1498	0.081	ng	# 68
74) Di-n-butylphthalate	11.92	149	1743	0.081	ng	# 77
75) Fluoranthene	12.57	202	44452	2.111	ng	# 99
77) Benzidine	12.94	184	7263	0.669	ng	# 89
78) Pyrene	12.80	202	50575	2.087	ng	# 98
80) Butylbenzylphthalate	13.42	149	220	0.021	ng	# 37
81) Benzo(a)anthracene	13.99	228	23218	1.130	ng	# 85
82) 3,3'-Dichlorobenzidine	13.96	252	792	0.111	ng	# 73
83) Chrysene	14.03	228	27679	1.387	ng	# 96
84) Bis(2-ethylhexyl)phthalate	13.97	149	1949	0.146	ng	# 64
85) Di-n-octyl phthalate	14.56	149	175	0.008	ng	# 1
86) Indeno(1,2,3-cd)pyrene	16.94	276	12547	0.749	ng	# 92

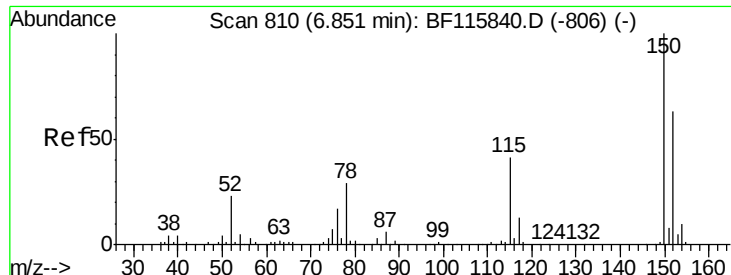
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116036.D
Acq On : 7 Aug 2019 3:39
Operator : HP/JU
Sample : K4090-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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Quant Time: Aug 07 06:48:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	15.40	252	22870	1.252	ng	# 77
91) Dibenzo(a,h)anthracene	16.94	278	4101	0.259	ng	# 32
92) Benzo(g,h,i)perylene	17.39	276	13932	0.897	ng	# 91

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

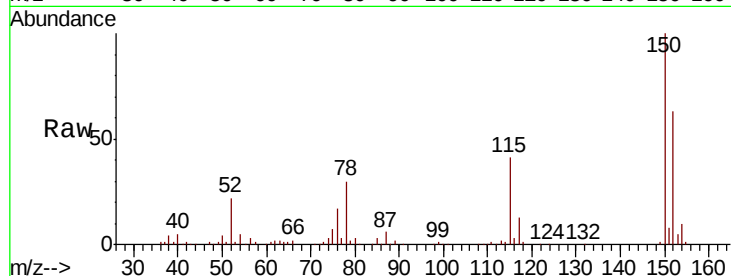


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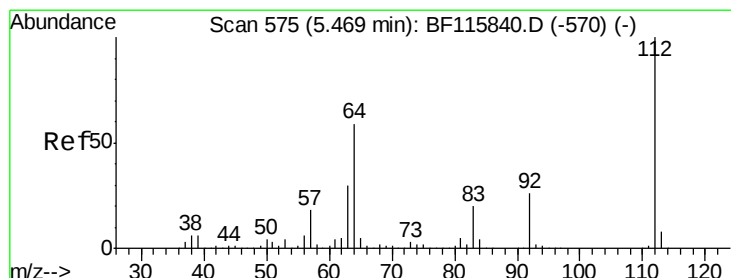
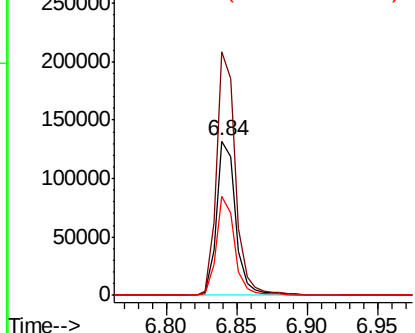
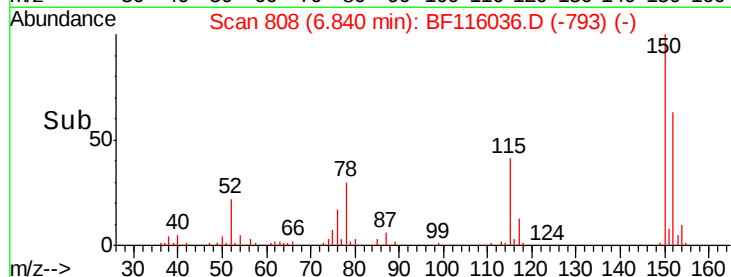
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116036.D
 Acq: 7 Aug 2019 3:39

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080219-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	127.4	191.0
115	64.0	51.8	77.8



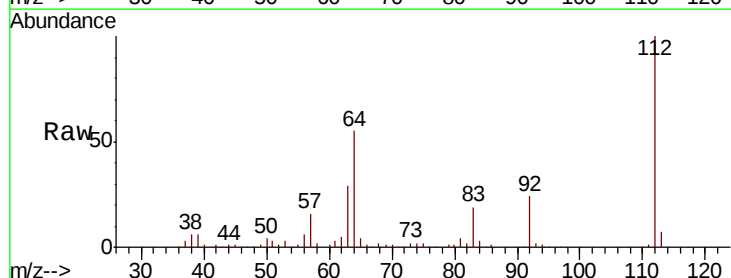
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



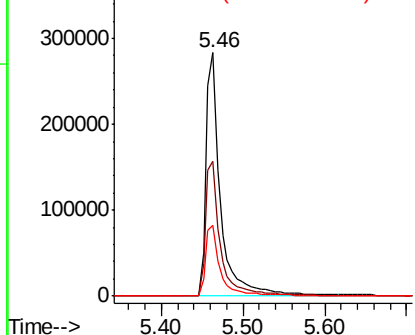
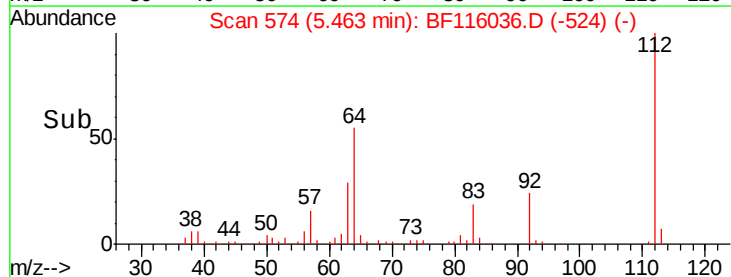
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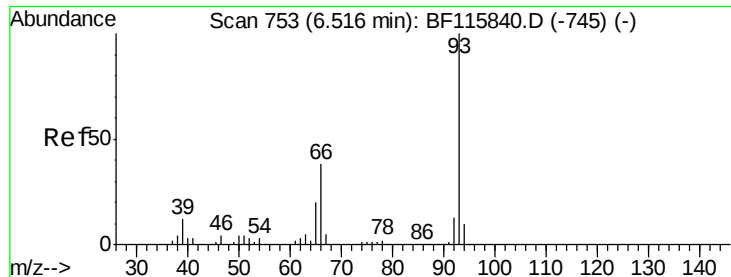
2-Fluorophenol
 Concen: 47.271 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF116036.D
 Acq: 7 Aug 2019 3:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.8	70.2
63	29.0	24.2	36.2



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





#6

Aniline

Concen: 0.028 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.09 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

OR-02-080219-A

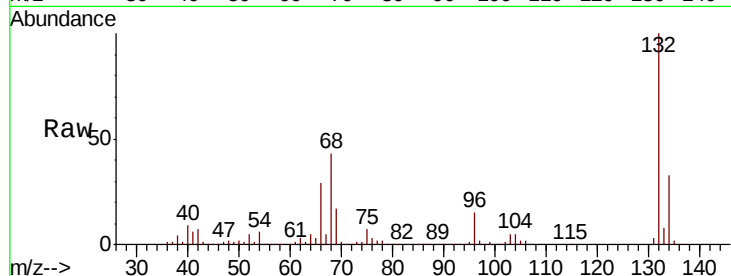
Tot Ion: 93 Resp: 378

Ion Ratio Lower Upper

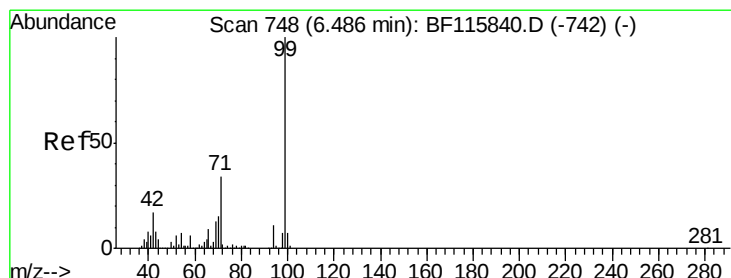
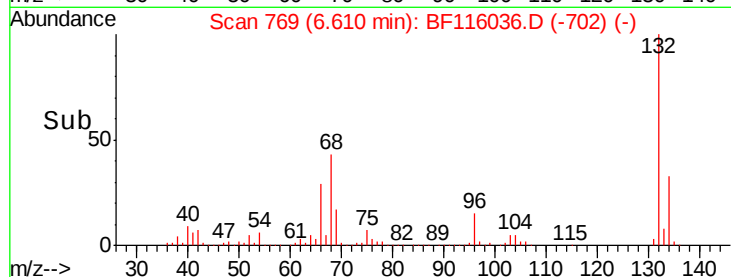
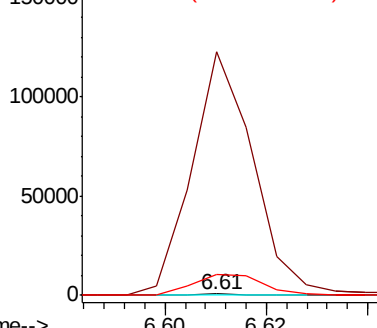
93 100

66 21809.3 31.4 47.0#

65 1926.0 16.5 24.7#



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: 50.834 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

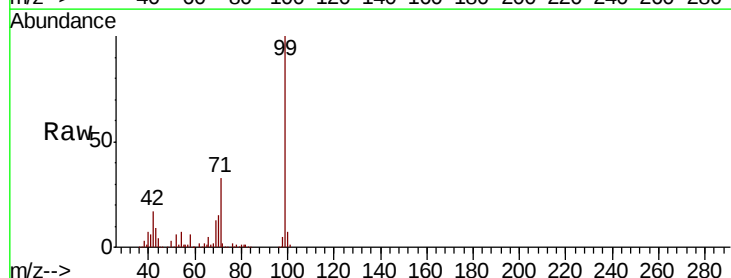
Tgt Ion: 99 Resp: 479893

Ion Ratio Lower Upper

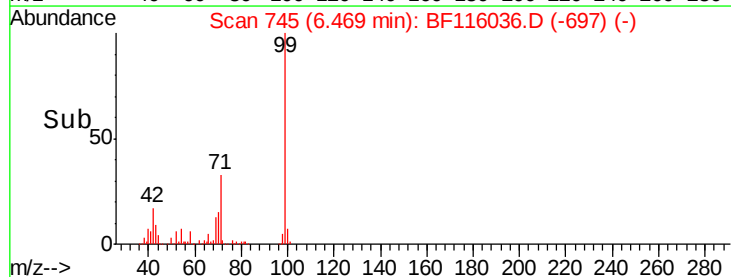
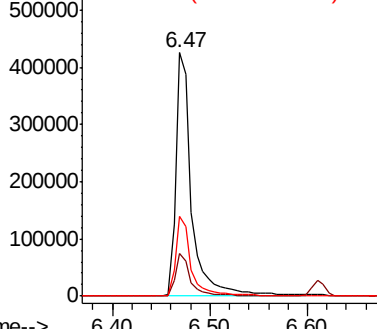
99 100

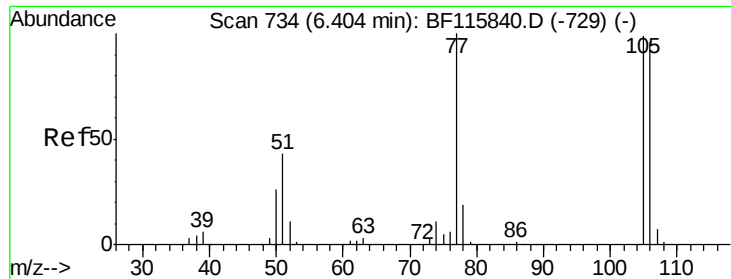
42 17.5 13.8 20.6

71 32.6 27.1 40.7



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1

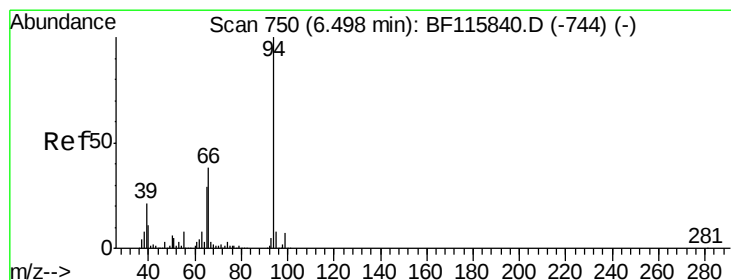
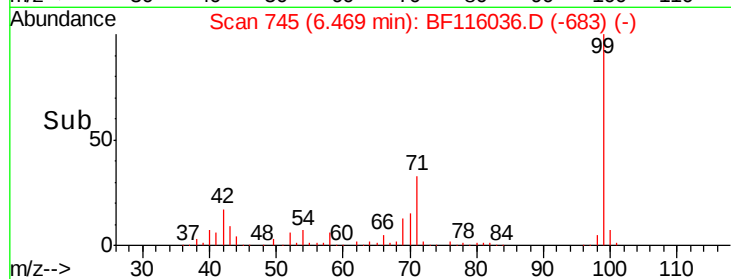
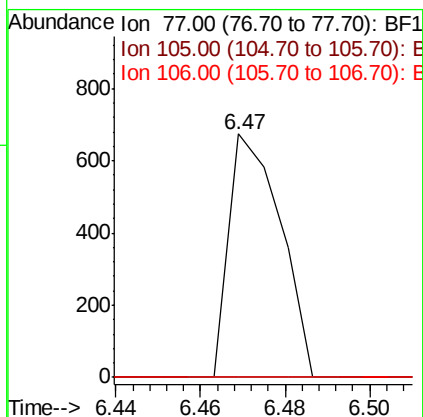
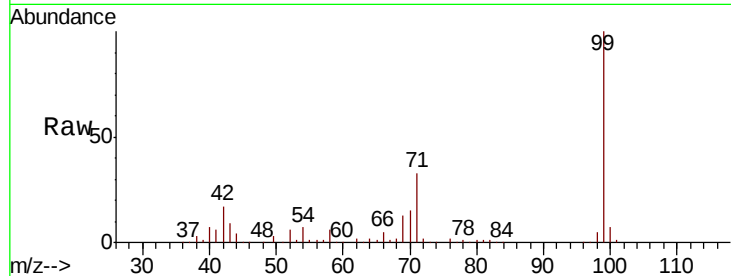




#9
Benzaldehyde
Concen: 0.088 ng
RT: 6.47 min Scan# 745
Delta R.T. 0.06 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

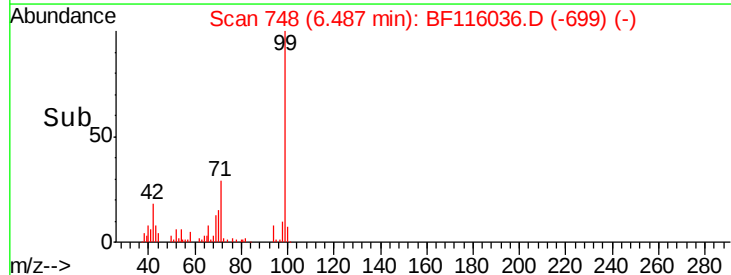
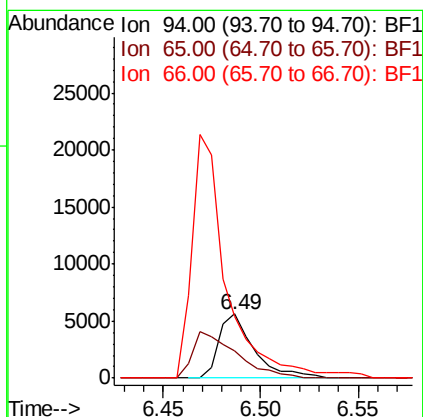
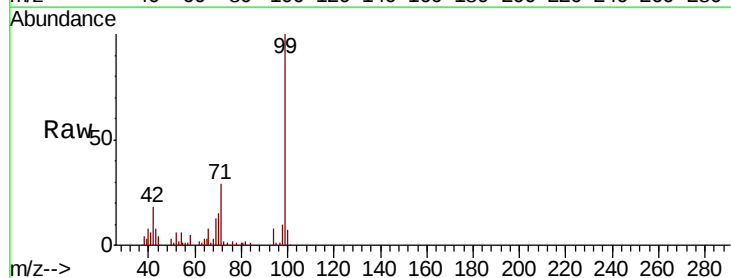
Instrument :
BNA_F
ClientSampleId :
OR-02-080219-A

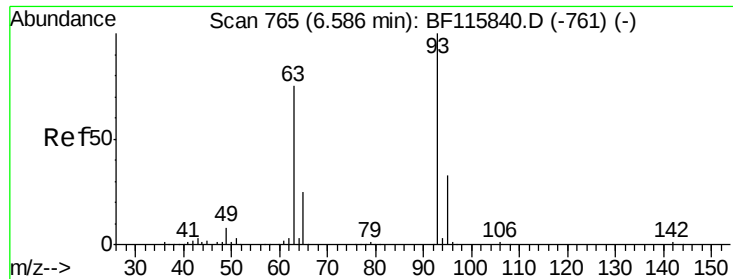
Tot Ion: 77 Resp: 571
Ion Ratio Lower Upper
77 100
105 0.0 79.0 119.0#
106 0.0 76.2 116.2#



#10
Phenol
Concen: 0.631 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

Tgt Ion: 94 Resp: 7015
Ion Ratio Lower Upper
94 100
65 41.9 8.9 48.9
66 96.3 18.0 58.0#

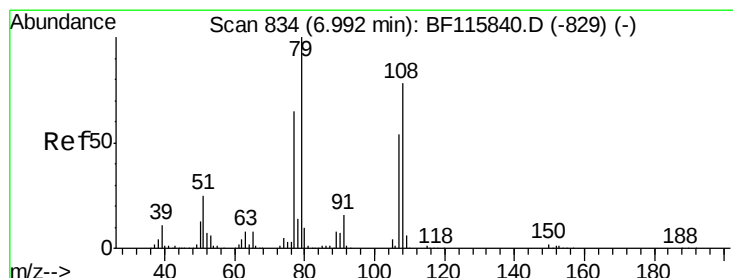
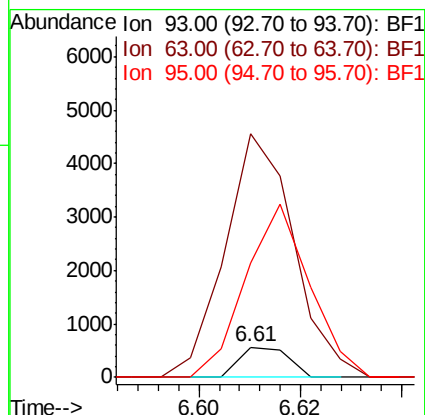
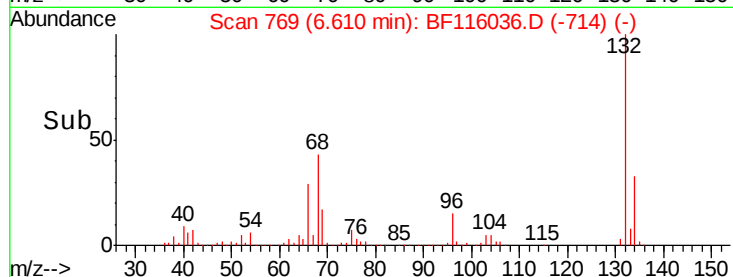
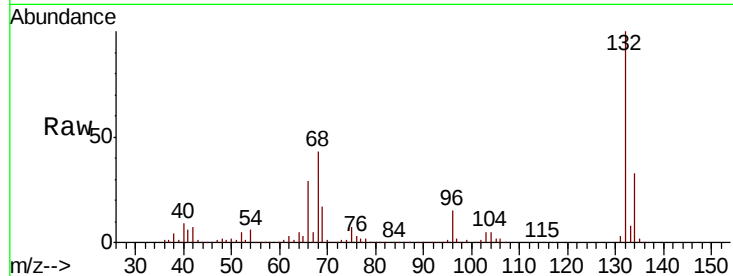




#11
 bis(2-Chloroethyl)ether
 Concen: 0.046 ng
 RT: 6.61 min Scan# 769
 Delta R.T. 0.02 min
 Lab File: BF116036.D
 Acq: 7 Aug 2019 3:39

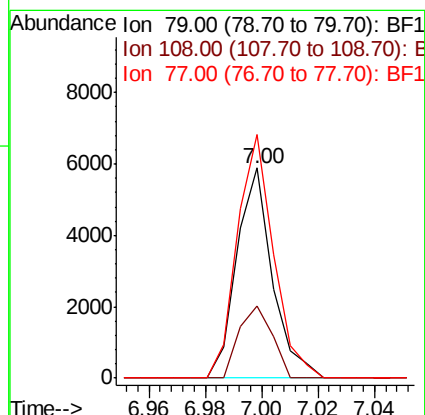
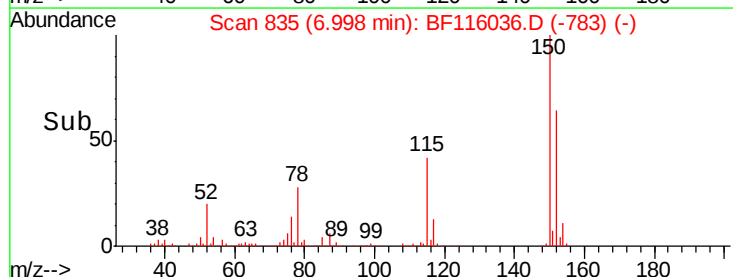
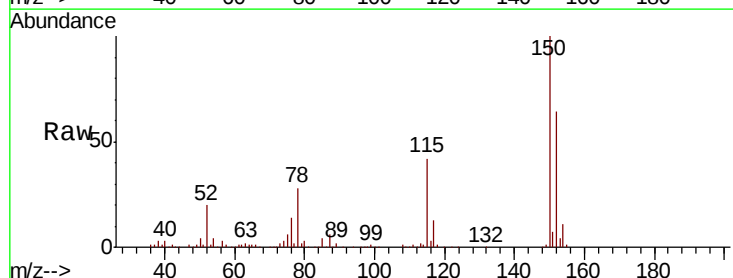
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080219-A

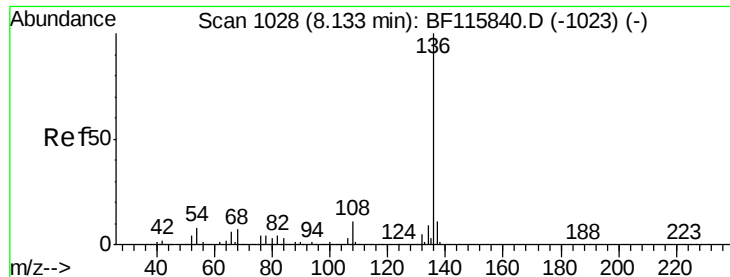
Tot Ion:	93	Resp:	378
Ion	Ratio	Lower	Upper
93	100		
63	810.7	54.9	94.9#
95	379.4	13.3	53.3#



#15
 Benzyl Alcohol
 Concen: 0.721 ng
 RT: 7.00 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: BF116036.D
 Acq: 7 Aug 2019 3:39

Tgt Ion:	79	Resp:	5165
Ion	Ratio	Lower	Upper
79	100		
108	34.4	62.8	94.2#
77	116.0	52.0	78.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

OR-02-080219-A

Tot Ion:136 Resp: 486949

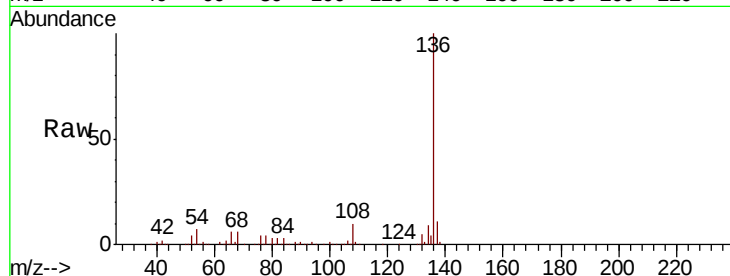
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.2 6.1 9.1

68 6.1 5.4 8.2

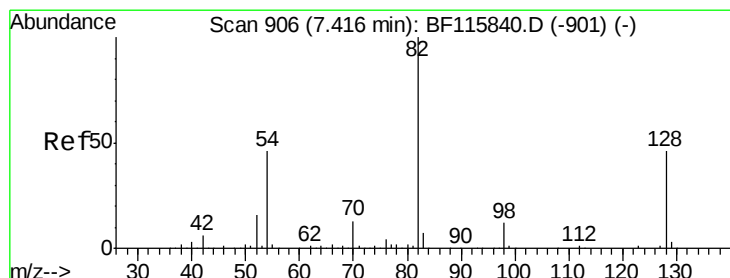
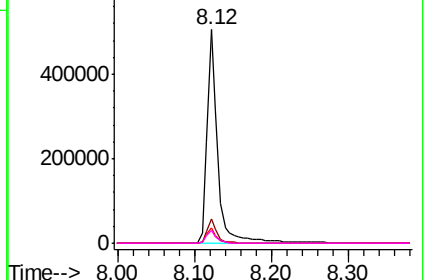
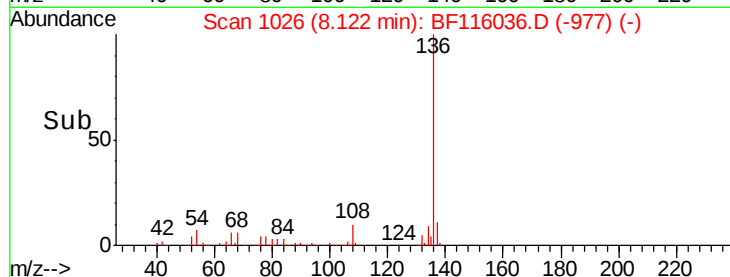


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 35.632 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

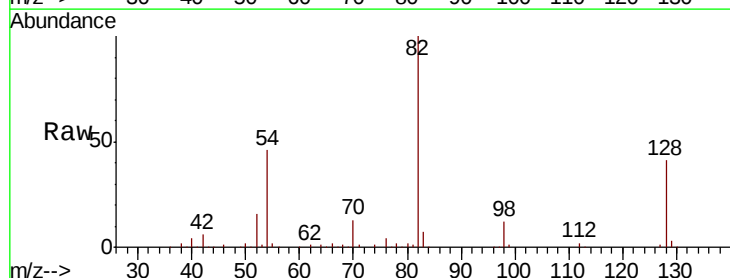
Tgt Ion: 82 Resp: 300590

Ion Ratio Lower Upper

82 100

128 40.6 36.6 55.0

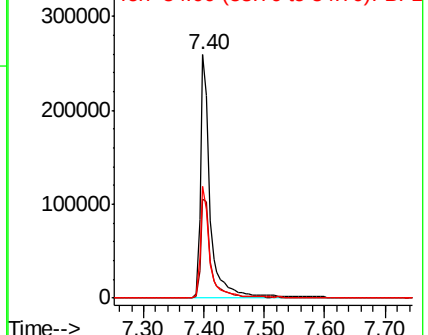
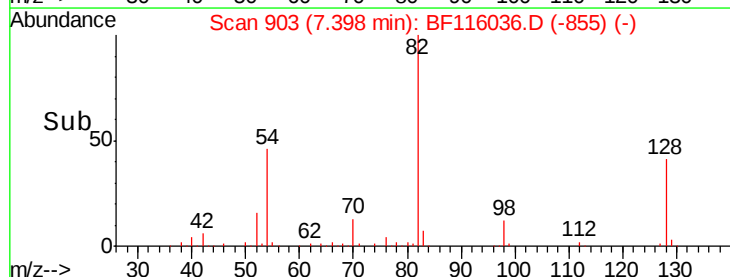
54 46.0 36.6 55.0

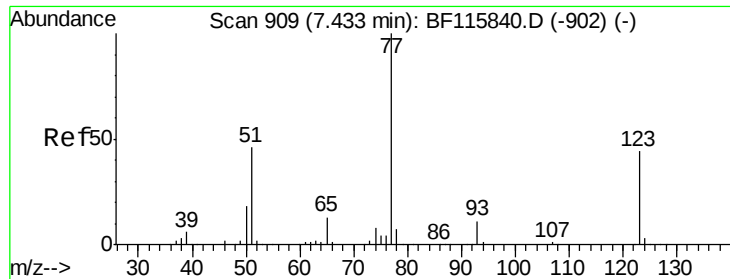


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 0.087 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.04 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

OR-02-080219-A

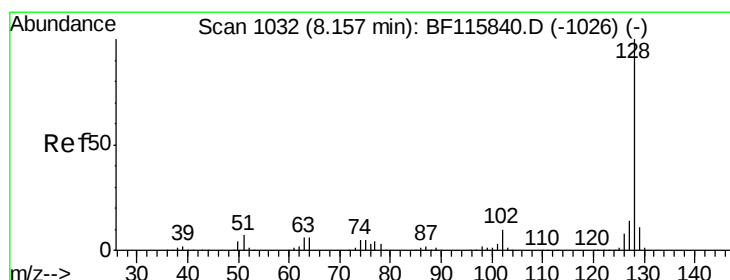
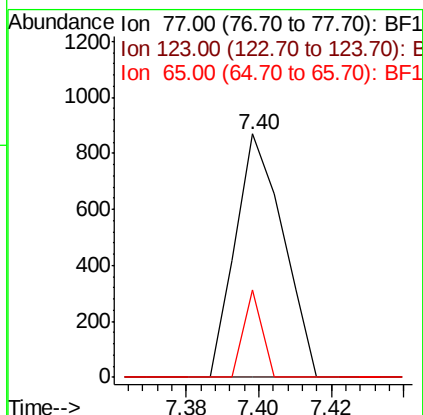
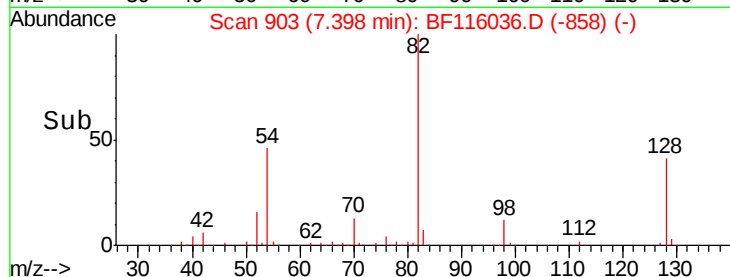
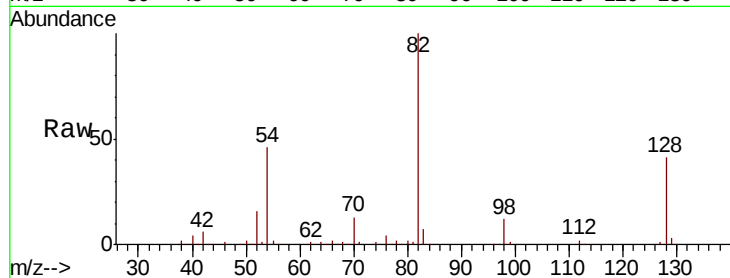
Tot Ion: 77 Resp: 795

Ion Ratio Lower Upper

77 100

123 0.0 35.5 53.3#

65 36.1 10.6 15.8#



#31

Naphthalene

Concen: 0.042 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

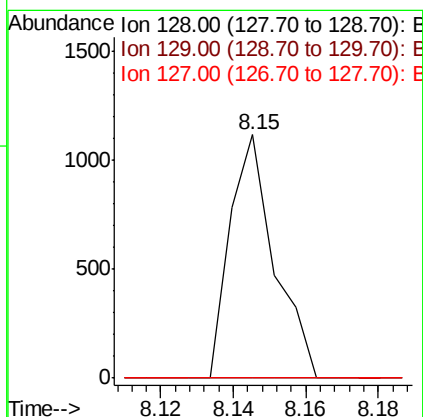
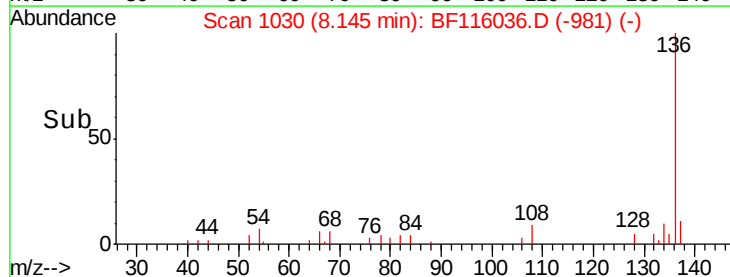
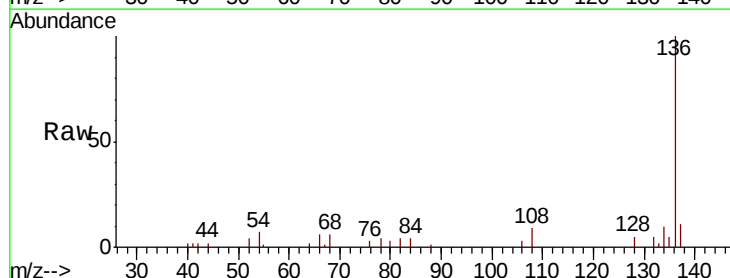
Tgt Ion: 128 Resp: 951

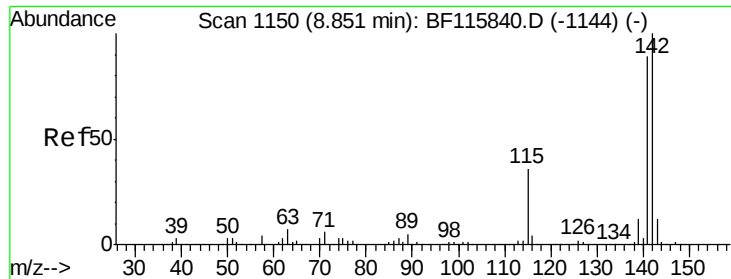
Ion Ratio Lower Upper

128 100

129 0.0 9.2 13.8#

127 0.0 11.0 16.4#

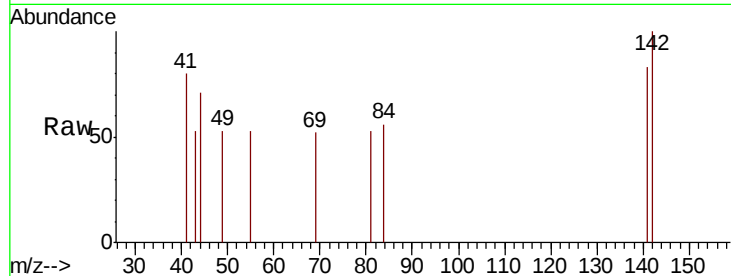




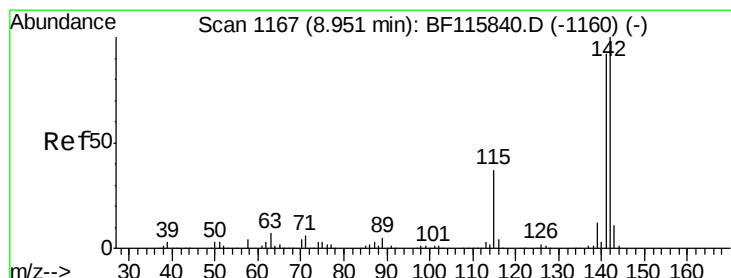
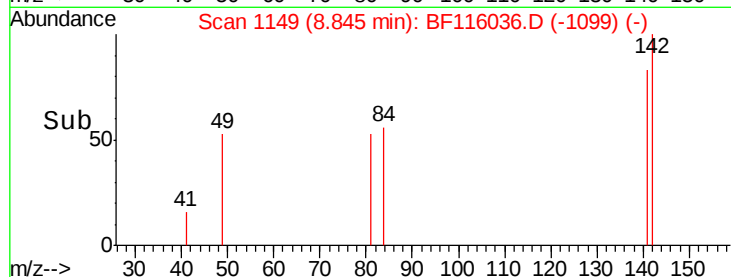
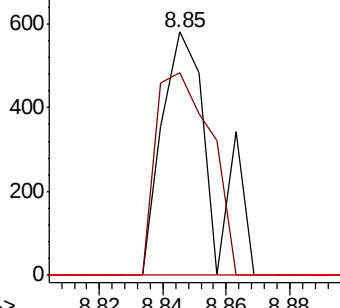
#37
 2-Methylnaphthalene
 Concen: 0.041 ng
 RT: 8.85 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF116036.D
 Acq: 7 Aug 2019 3:39

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080219-A

Tot Ion:142 Resp: 622
 Ion Ratio Lower Upper
 142 100
 141 83.3 71.4 107.2
 115 0.0 28.9 43.3#

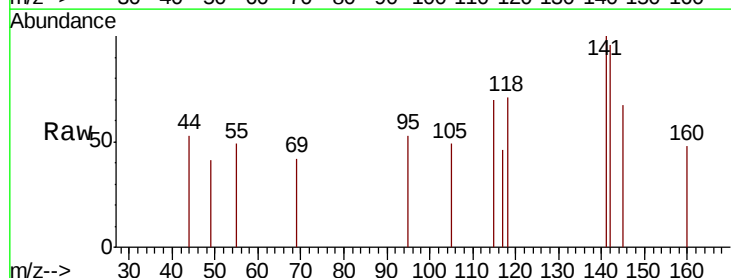


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

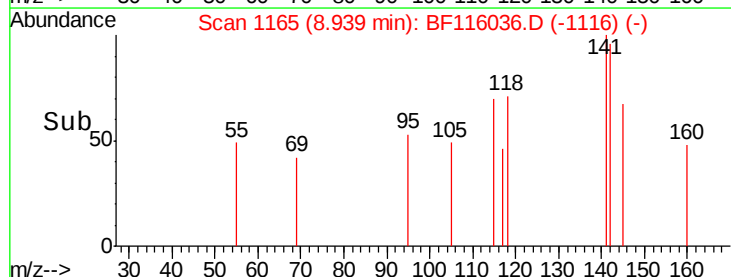
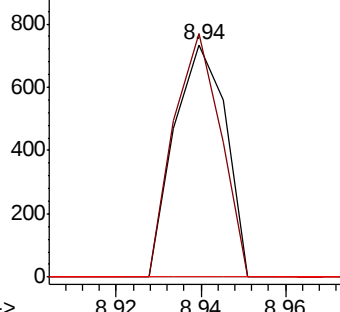


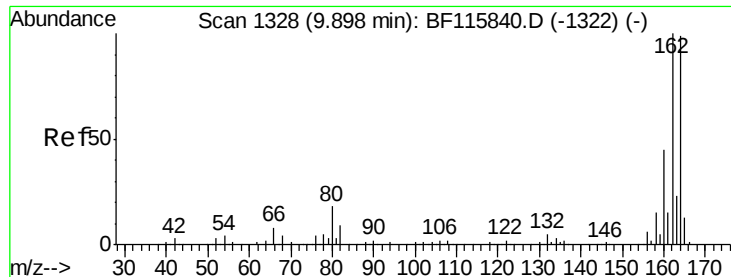
#38
 1-Methylnaphthalene
 Concen: 0.044 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF116036.D
 Acq: 7 Aug 2019 3:39

Tgt Ion:142 Resp: 623
 Ion Ratio Lower Upper
 142 100
 141 104.6 73.8 110.6
 116 0.0 3.1 4.7#



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

OR-02-080219-A

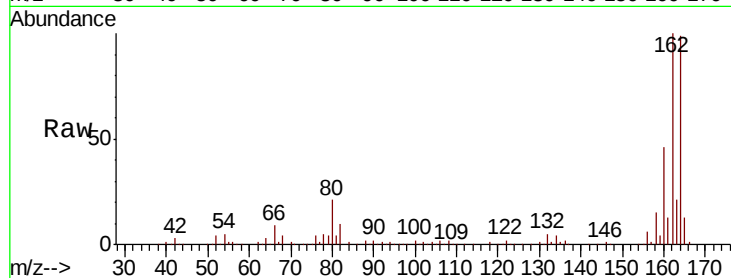
Tot Ion:164 Resp: 246273

Ion Ratio Lower Upper

164 100

162 100.7 80.8 121.2

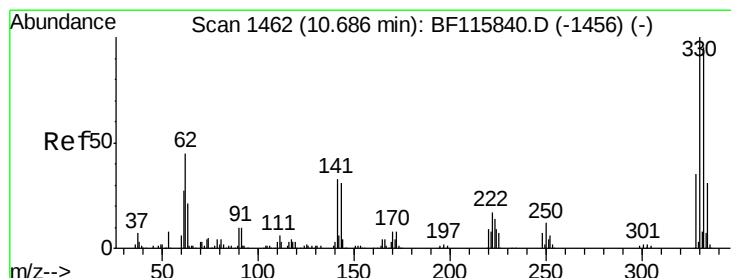
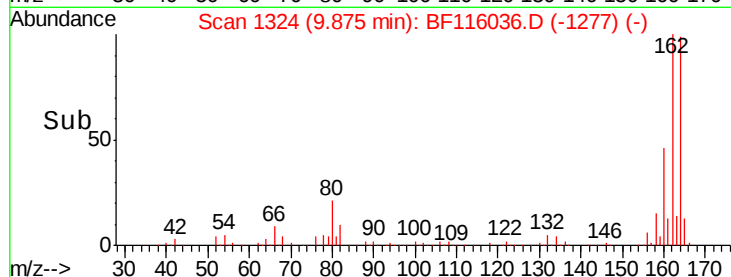
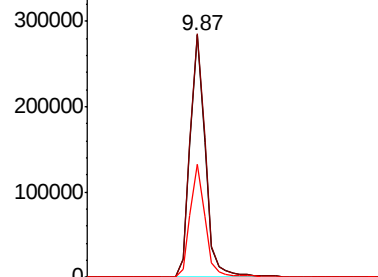
160 46.8 36.2 54.4



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: 36.820 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

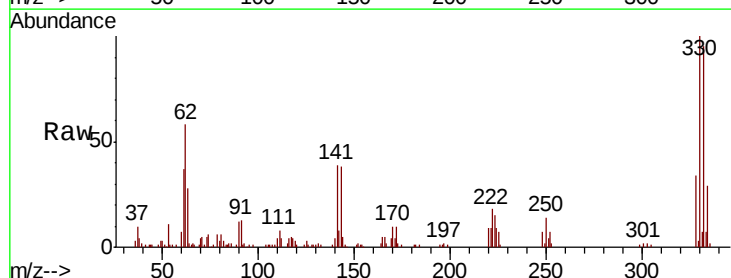
Tgt Ion:330 Resp: 87915

Ion Ratio Lower Upper

330 100

332 95.8 77.7 116.5

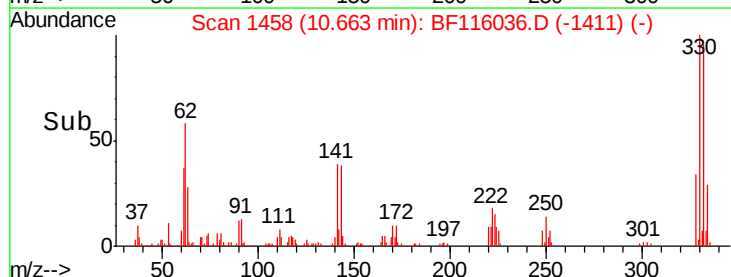
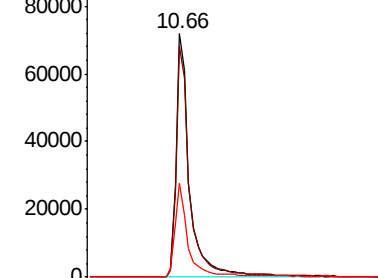
141 37.1 28.1 42.1

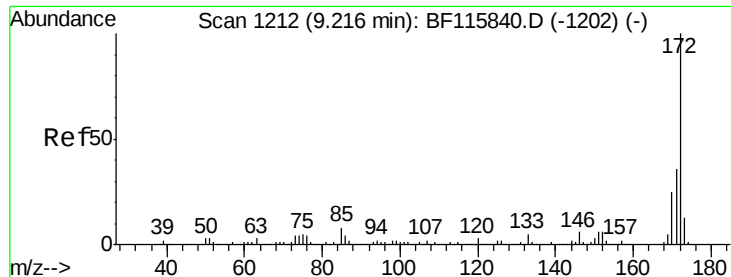


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

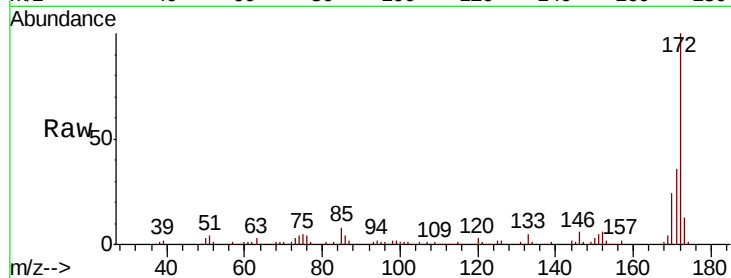




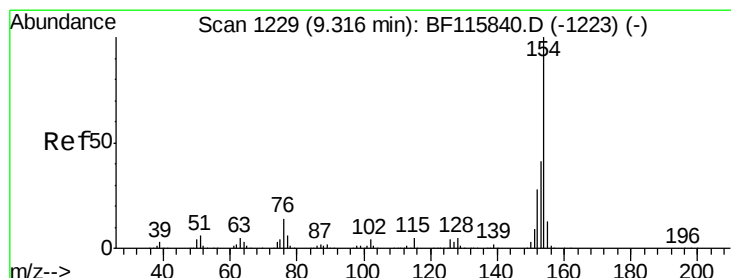
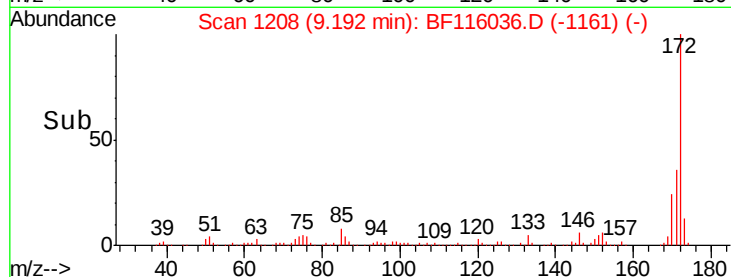
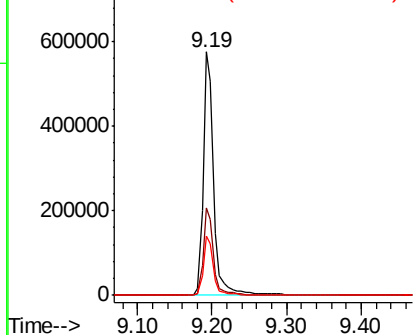
#45
2-Fluorobiphenyl
Concen: 43.889 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

Instrument :
BNA_F
ClientSampleId :
OR-02-080219-A

Tot Ion:172 Resp: 577058
Ion Ratio Lower Upper
172 100
171 35.9 29.1 43.7
170 24.1 20.1 30.1

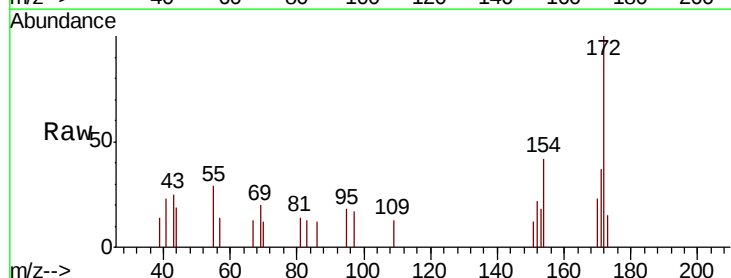


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

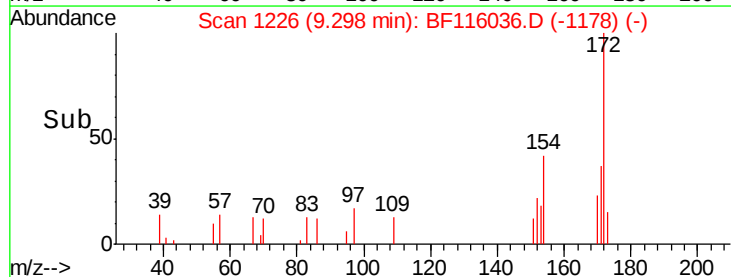
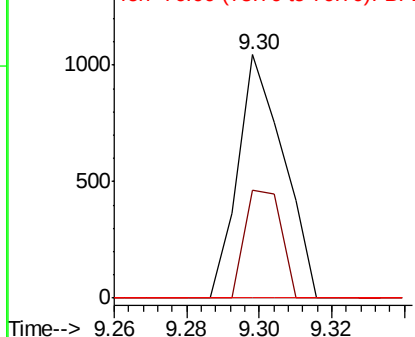


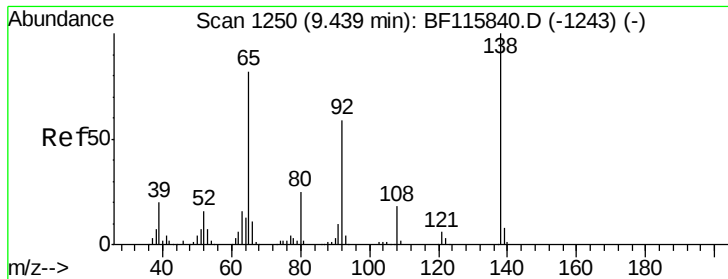
#46
1,1'-Biphenyl
Concen: 0.052 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.02 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

Tgt Ion:154 Resp: 912
Ion Ratio Lower Upper
154 100
153 44.2 20.9 60.9
76 0.0 0.0 34.3



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

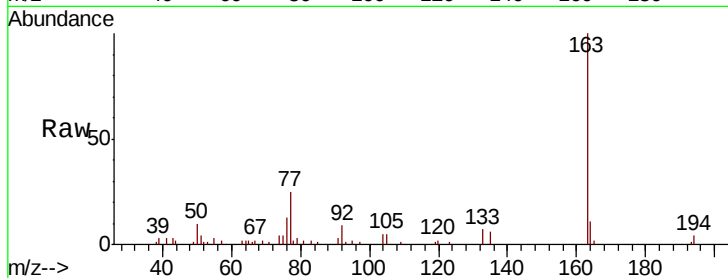




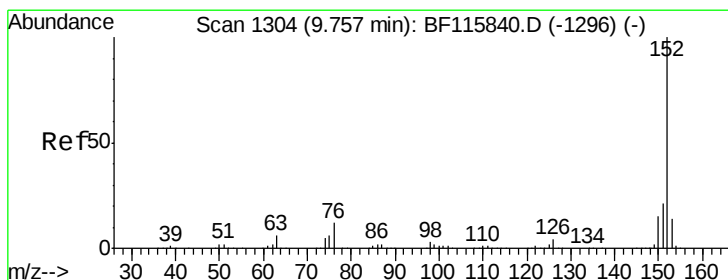
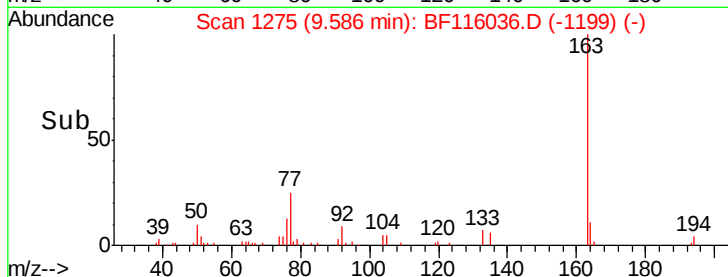
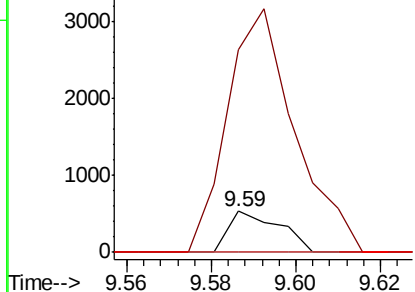
#48
2-Nitroaniline
Concen: 0.094 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.15 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

Instrument :
BNA_F
ClientSampleId :
OR-02-080219-A

Tot Ion: 65 Resp: 448
Ion Ratio Lower Upper
65 100
92 491.1 57.1 85.7#
138 0.0 97.1 145.7#

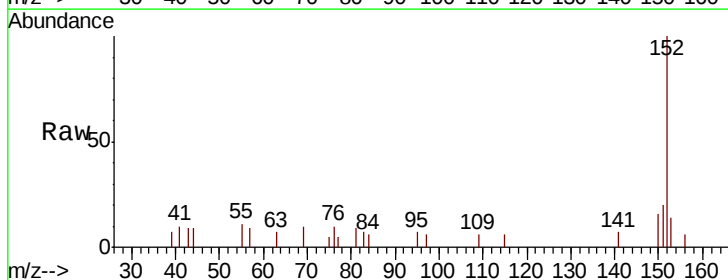


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

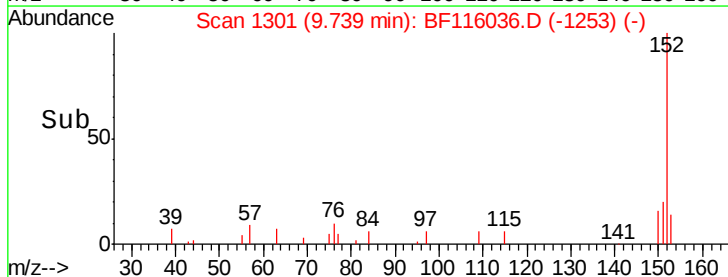
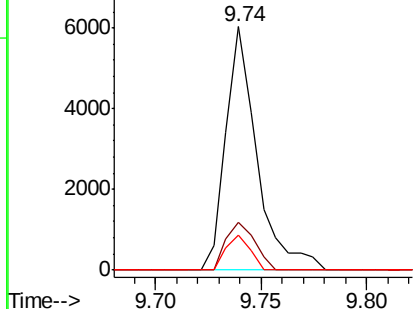


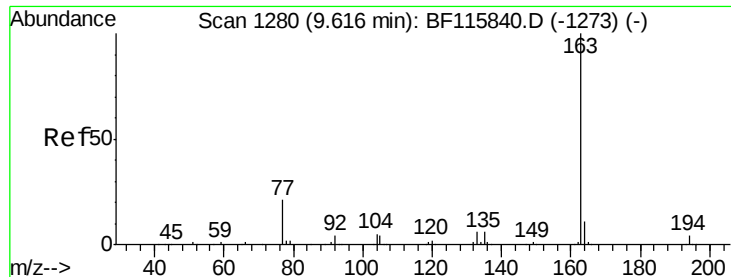
#49
Acenaphthylene
Concen: 0.291 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

Tgt Ion: 152 Resp: 6147
Ion Ratio Lower Upper
152 100
151 19.9 16.8 25.2
153 14.4 11.6 17.4



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

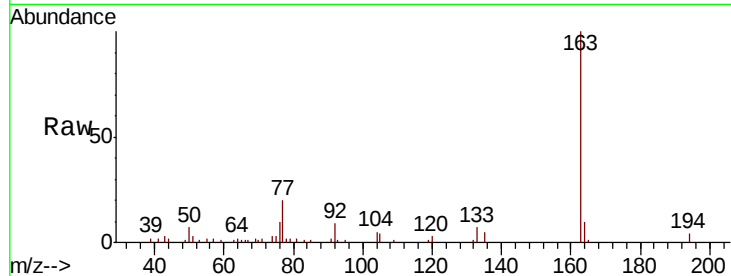




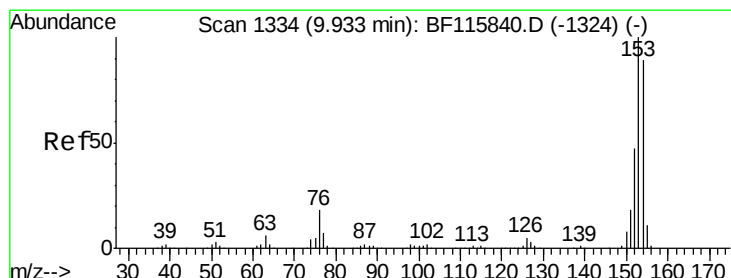
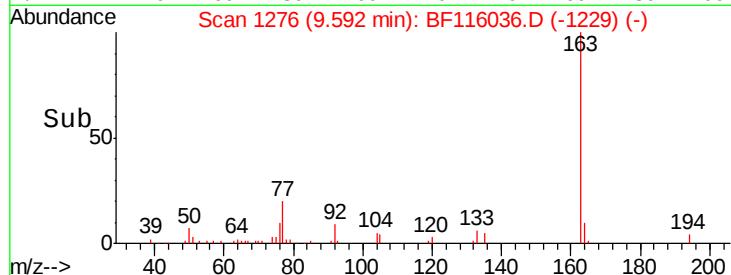
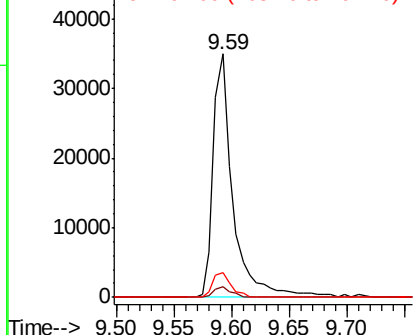
#50
Dimethylphthalate
Concen: 2.477 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

Instrument :
BNA_F
ClientSampleId :
OR-02-080219-A

Tot Ion:163	Resp:	41539
Ion Ratio	Lower	Upper
163	100	
194	4.3	3.0 4.6
164	10.3	8.4 12.6

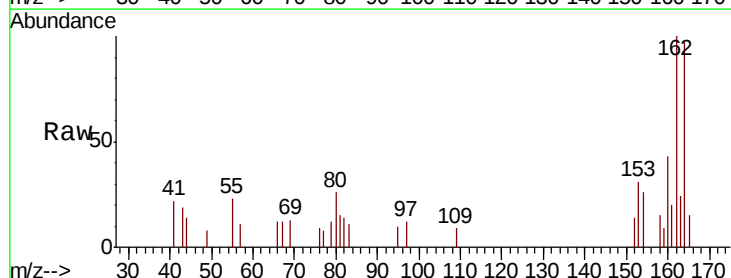


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

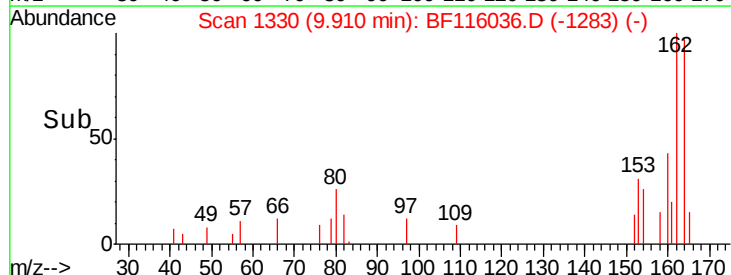
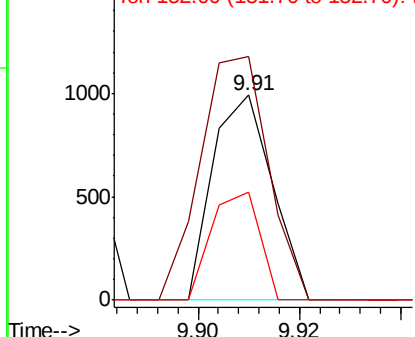


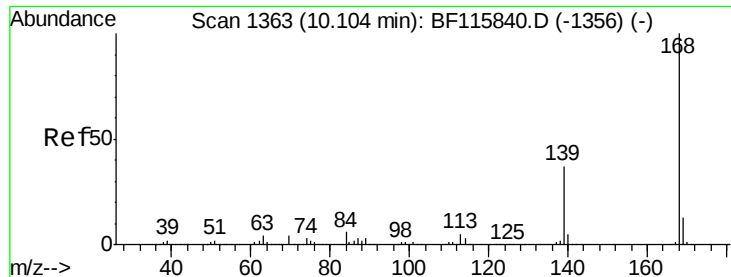
#52
Acenaphthene
Concen: 0.062 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.02 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

Tgt Ion:154	Resp:	809
Ion Ratio	Lower	Upper
154	100	
153	119.0	90.1 135.1
152	52.7	42.6 63.8



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

Dibenzenofuran

Concen: 0.037 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

OR-02-080219-A

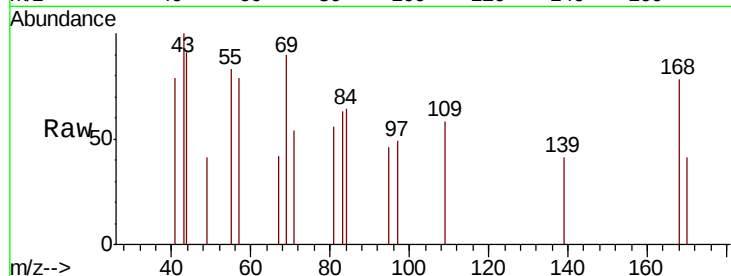
Tot Ion:168 Resp: 699

Ion Ratio Lower Upper

168 100

139 52.6 30.2 45.2#

169 0.0 10.8 16.2#

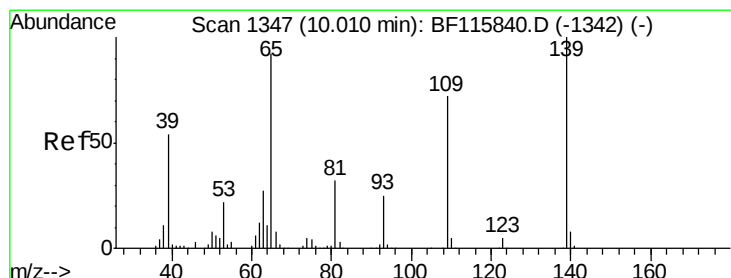
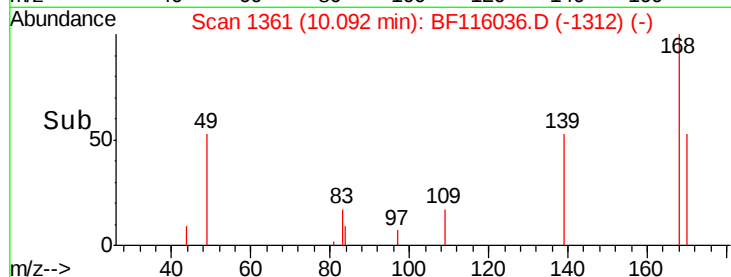
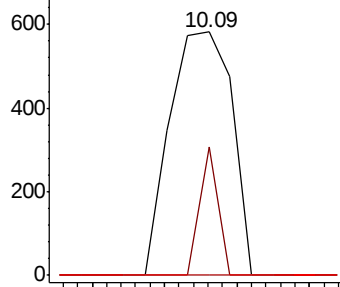


Abundance

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: 0.037 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.08 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

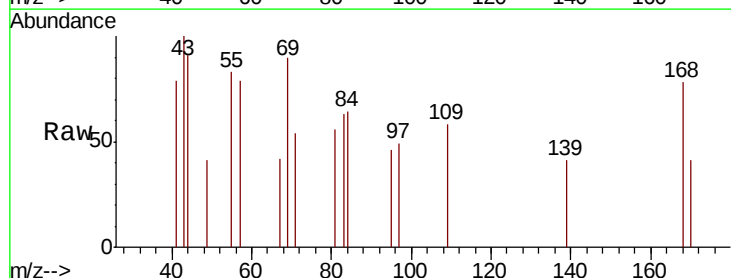
Tgt Ion:139 Resp: 108

Ion Ratio Lower Upper

139 100

109 140.8 52.0 92.0#

65 0.0 72.6 112.6#

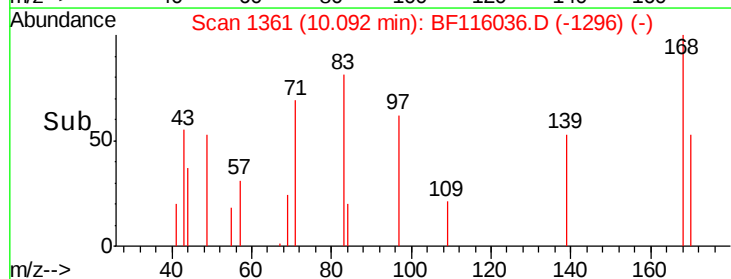
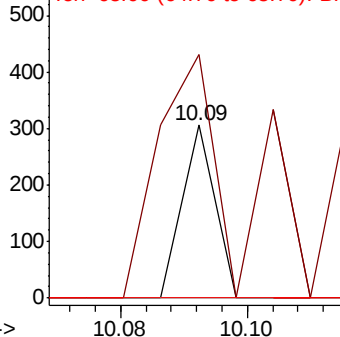


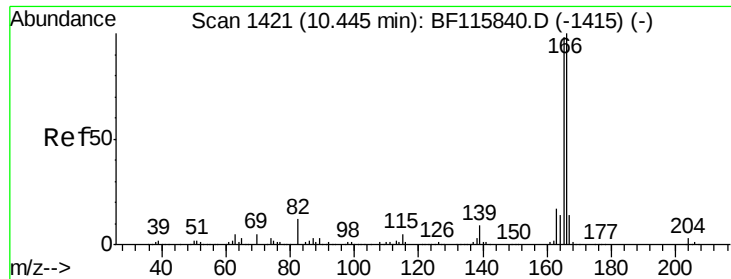
Abundance

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





#58

Fluorene

Concen: 0.149 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

OR-02-080219-A

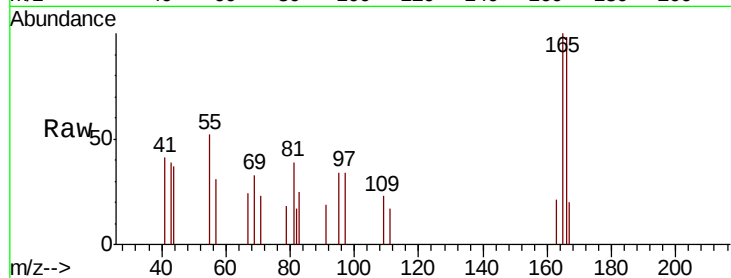
Tot Ion:166 Resp: 2154

Ion Ratio Lower Upper

166 100

165 101.8 78.6 118.0

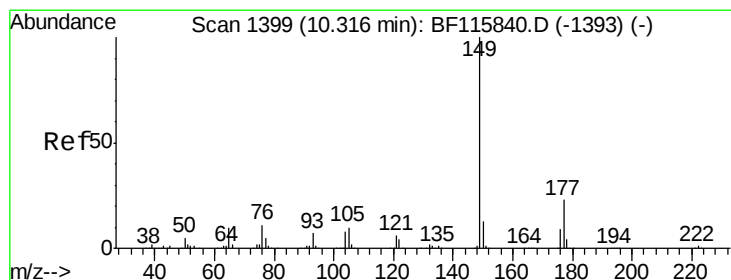
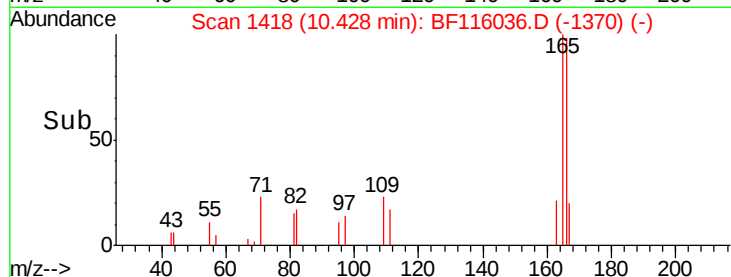
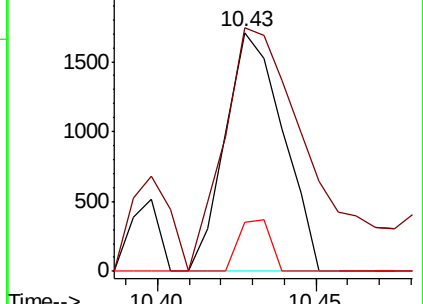
167 20.6 10.9 16.3#



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: 0.027 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.03 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

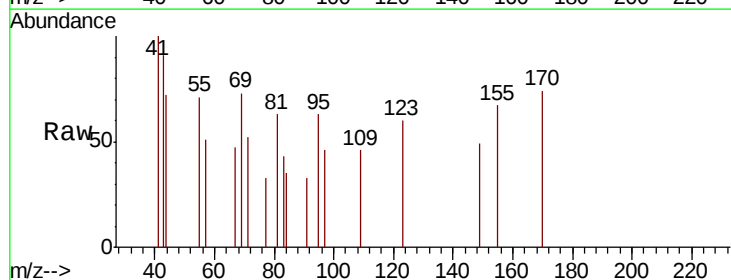
Tgt Ion:149 Resp: 428

Ion Ratio Lower Upper

149 100

177 0.0 18.4 27.6#

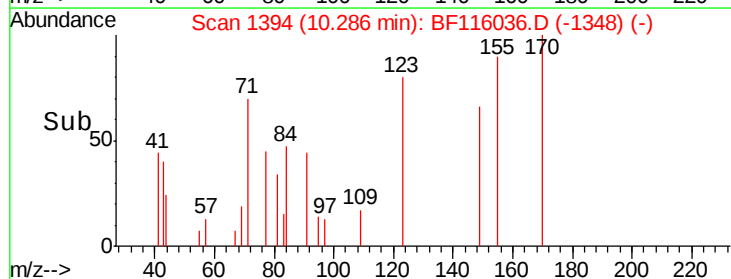
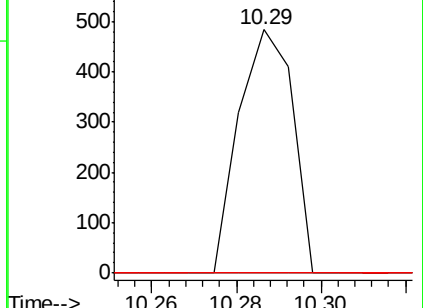
150 0.0 10.1 15.1#

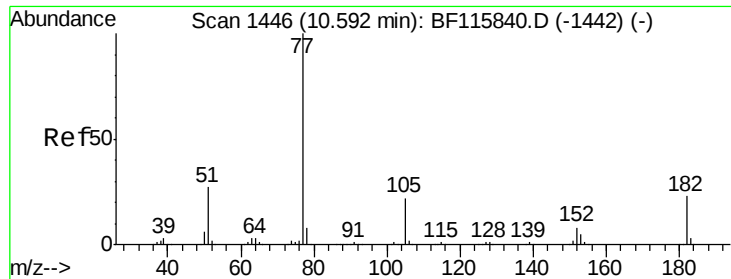


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

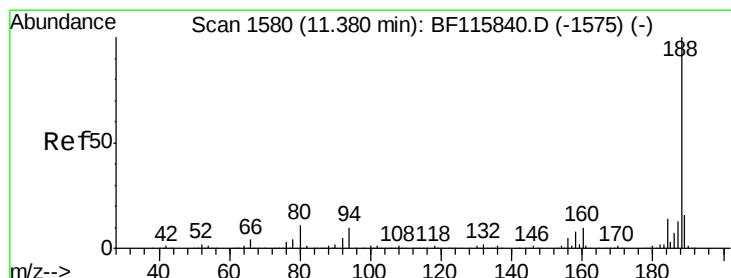
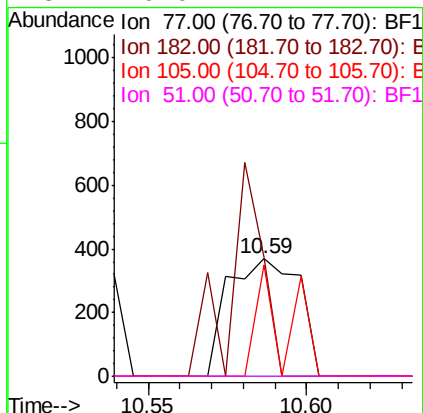
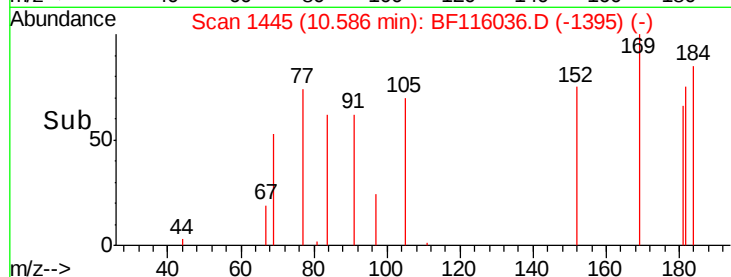
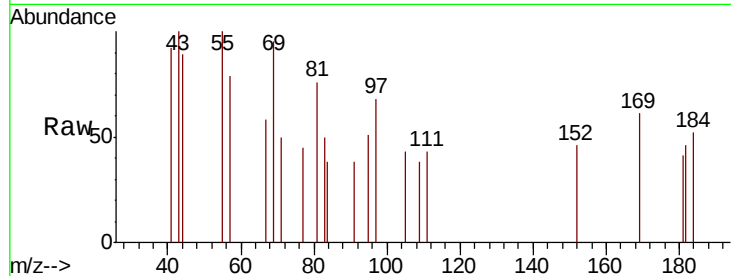




#63
Azobenzene
Concen: 0.036 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

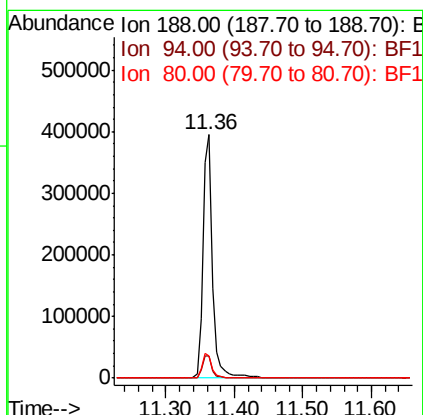
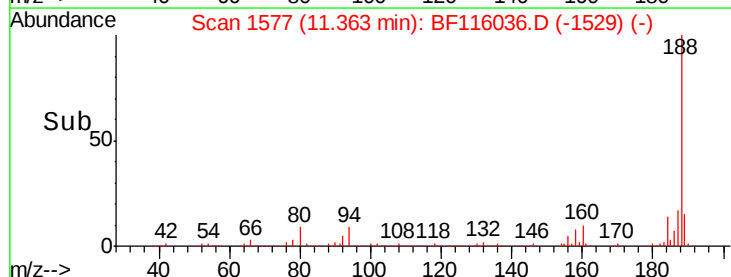
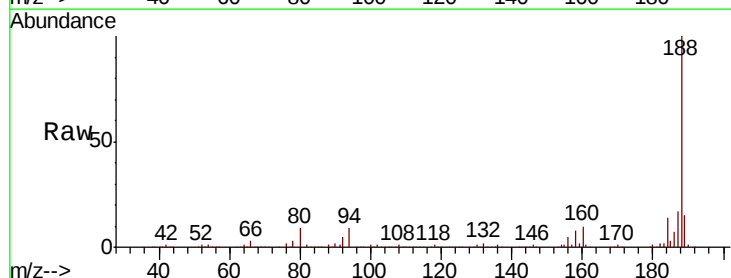
Instrument :
BNA_F
ClientSampleId :
OR-02-080219-A

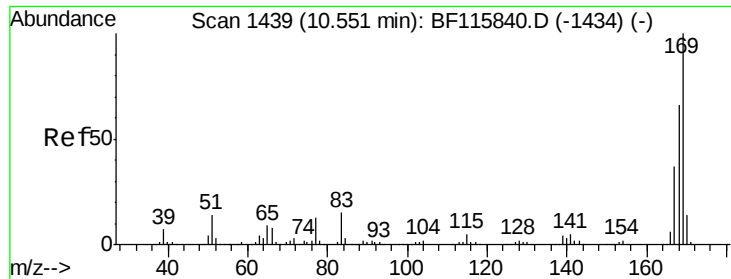
Tot Ion: 77 Resp: 575
Ion Ratio Lower Upper
77 100
182 101.1 2.6 42.6#
105 95.1 1.6 41.6#
51 0.0 7.4 47.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

Tgt Ion: 188 Resp: 393523
Ion Ratio Lower Upper
188 100
94 8.9 8.0 12.0
80 9.2 8.6 12.8

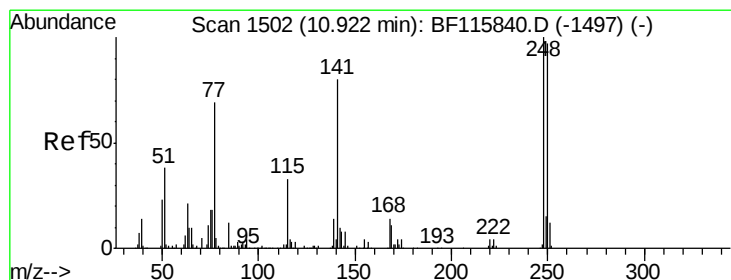
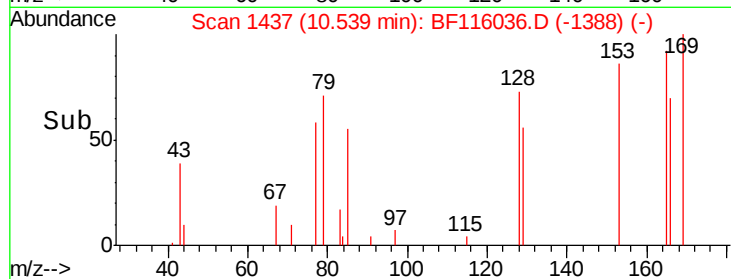
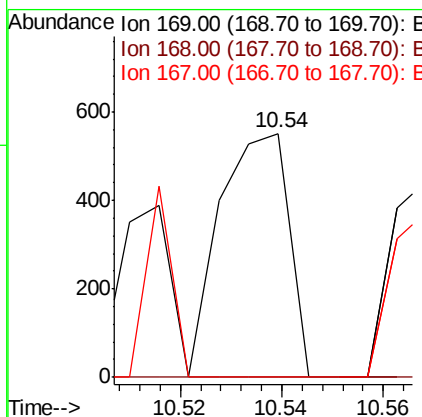
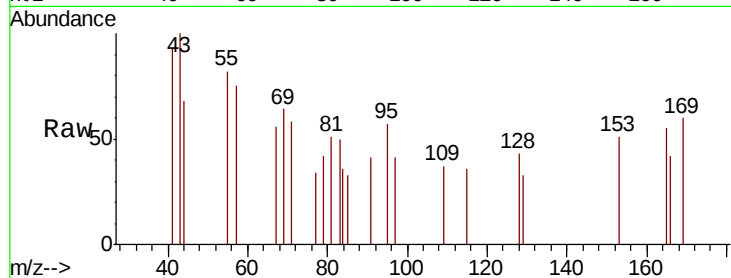




#66
 n-Nitrosodiphenylamine
 Concen: 0.044 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF116036.D
 Acq: 7 Aug 2019 3:39

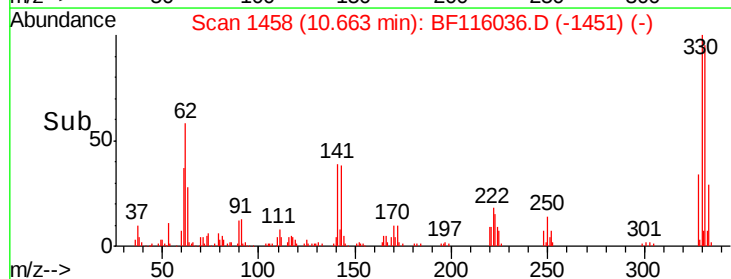
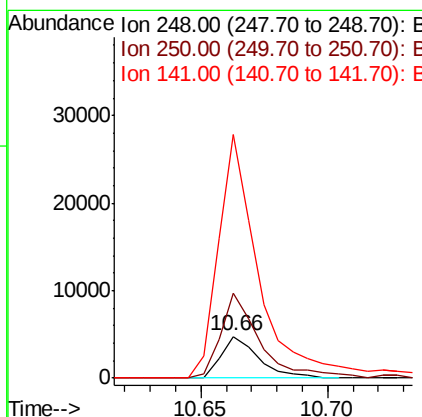
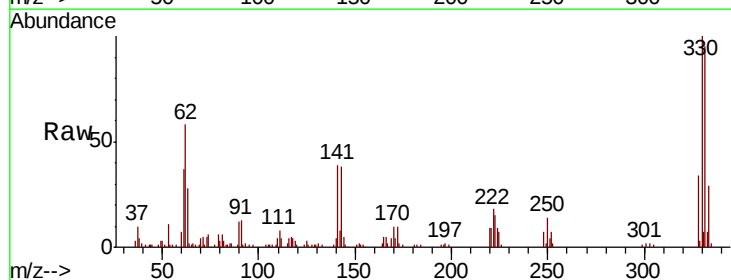
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080219-A

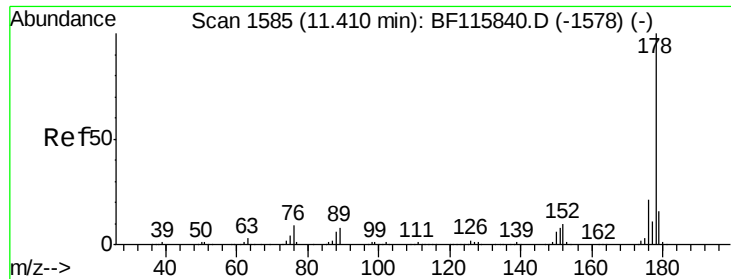
Tot Ion:169 Resp: 522
 Ion Ratio Lower Upper
 169 100
 168 0.0 53.0 79.6#
 167 0.0 29.9 44.9#



#67
 4-Bromophenyl-phenylether
 Concen: 1.155 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.26 min
 Lab File: BF116036.D
 Acq: 7 Aug 2019 3:39

Tgt Ion:248 Resp: 4867
 Ion Ratio Lower Upper
 248 100
 250 206.0 77.8 116.6#
 141 586.6 64.3 96.5#





#71

Phenanthrene

Concen: 1.012 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

OR-02-080219-A

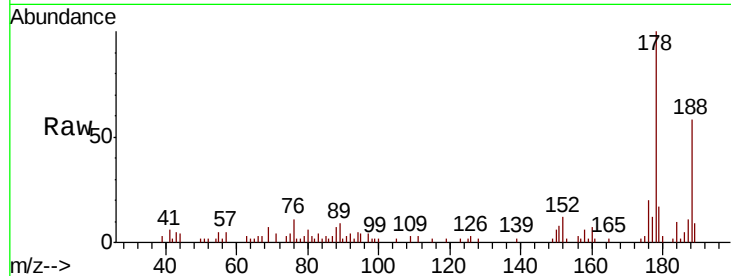
Tot Ion:178 Resp: 20359

Ion Ratio Lower Upper

178 100

176 20.2 16.5 24.7

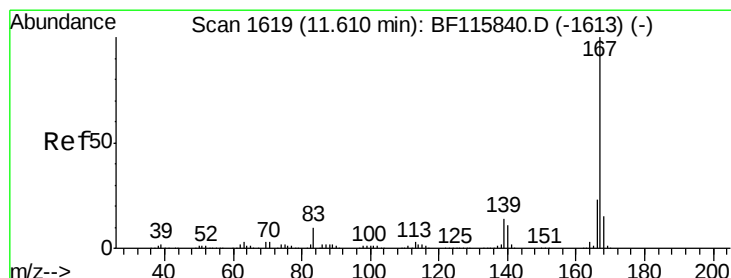
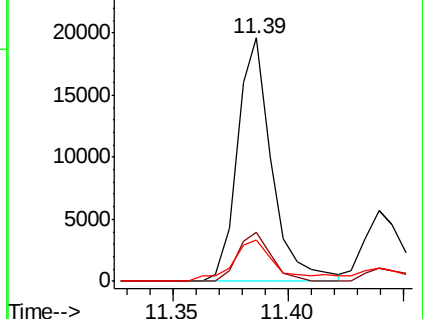
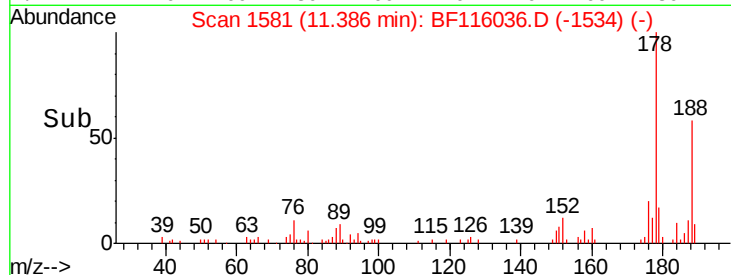
179 16.7 12.6 18.8



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: 0.081 ng

RT: 11.60 min Scan# 1618

Delta R.T. -0.01 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

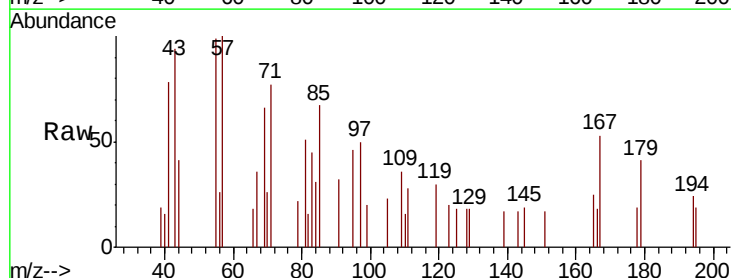
Tgt Ion:167 Resp: 1498

Ion Ratio Lower Upper

167 100

166 34.4 18.0 27.0#

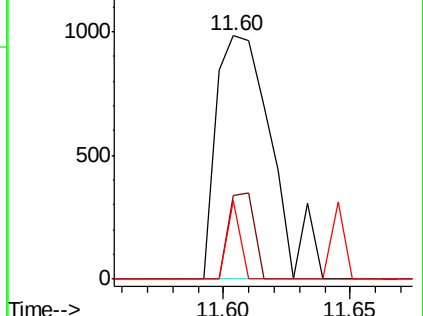
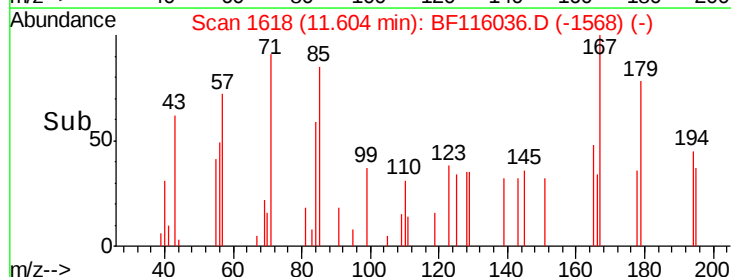
139 32.4 11.4 17.2#

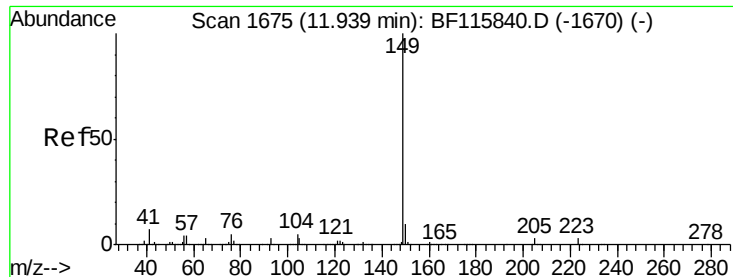


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.081 ng

RT: 11.92 min Scan# 1671

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

OR-02-080219-A

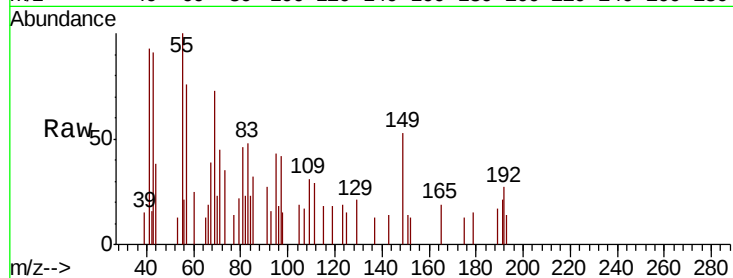
Tot Ion:149 Resp: 1743

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

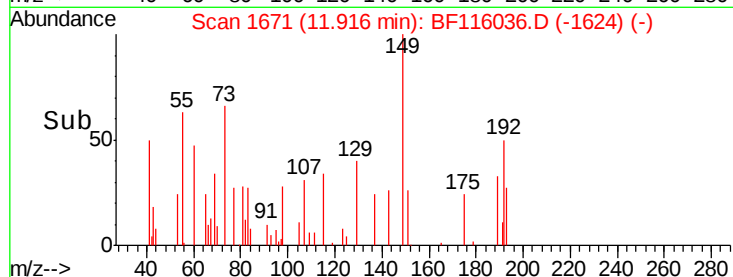
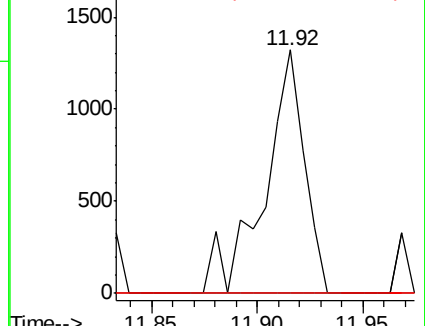
104 0.0 4.3 6.5#



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: 2.111 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

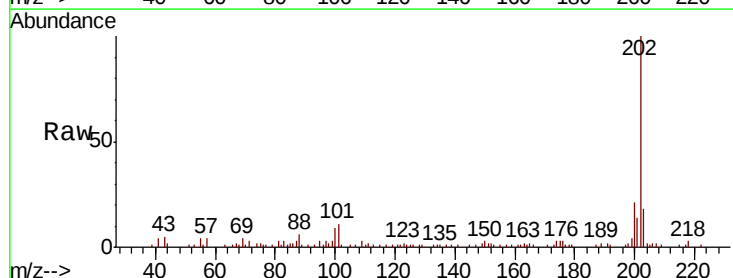
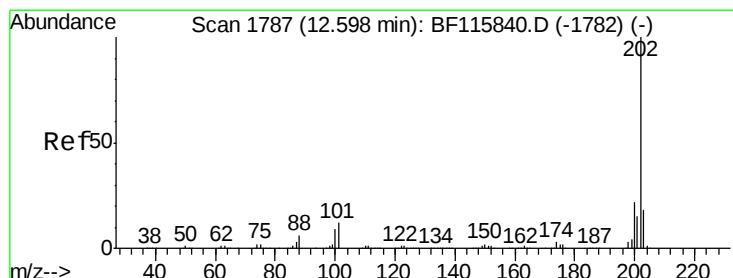
Tgt Ion:202 Resp: 44452

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.5

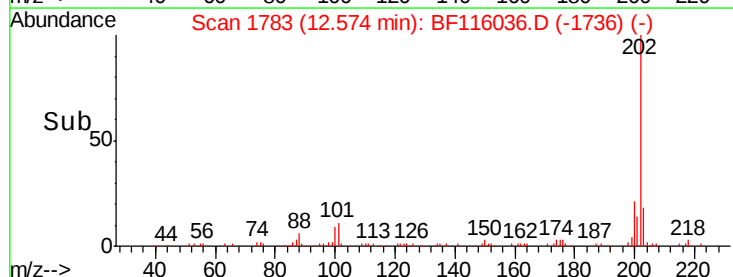
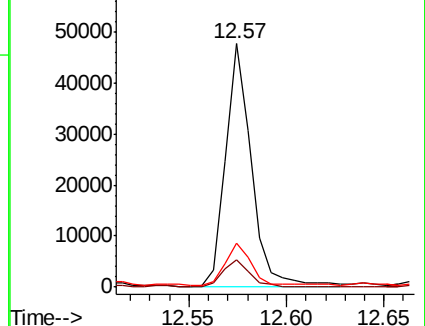
203 18.2 0.0 37.9

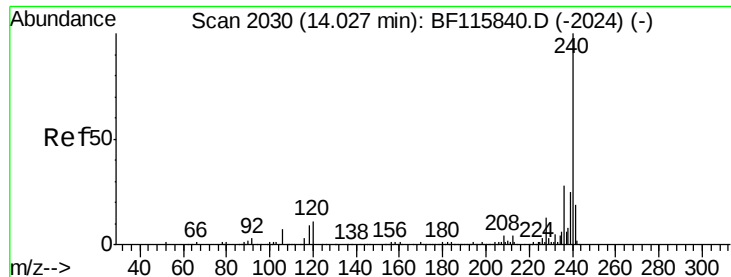


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.00 min Scan# 2025

Delta R.T. -0.03 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

OR-02-080219-A

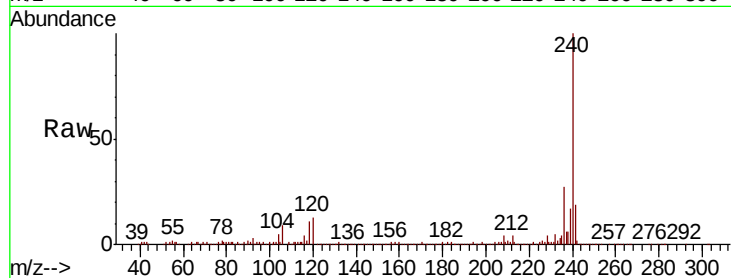
Tot Ion:240 Resp: 321530

Ion Ratio Lower Upper

240 100

120 12.6 8.5 12.7

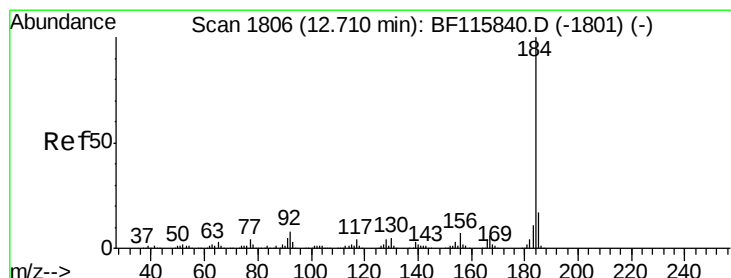
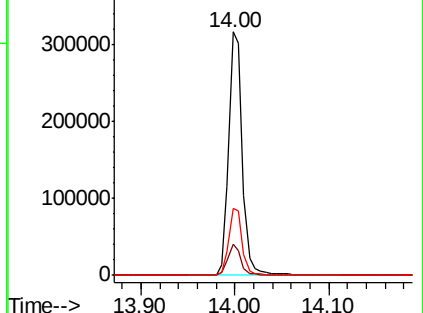
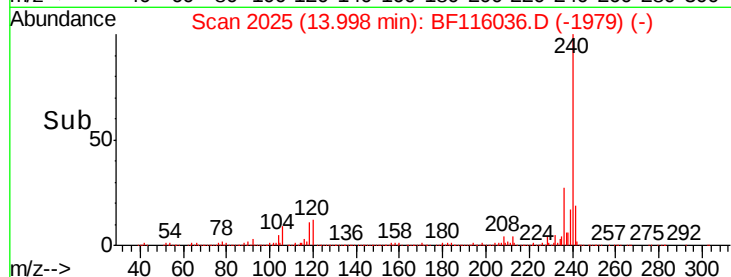
236 27.3 22.2 33.2



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: 0.669 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.23 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

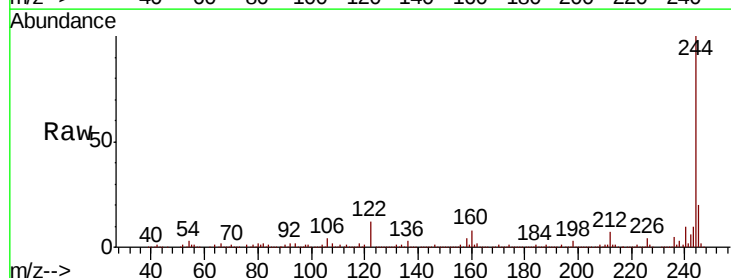
Tgt Ion:184 Resp: 7263

Ion Ratio Lower Upper

184 100

185 23.5 13.4 20.2#

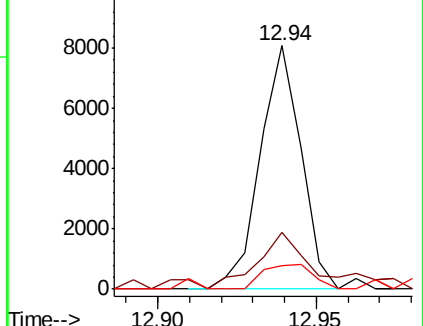
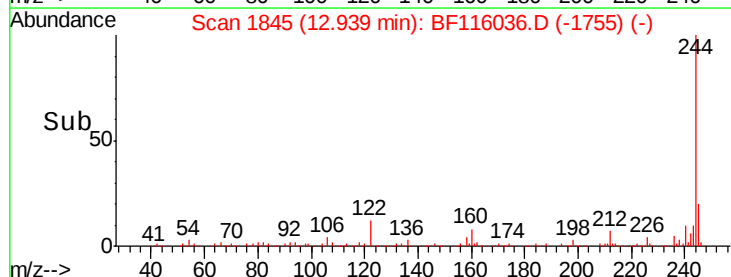
183 9.5 9.1 13.7

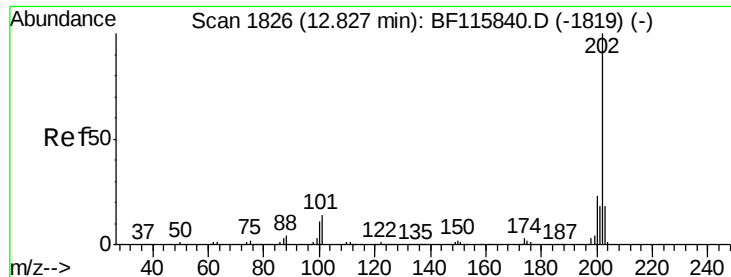


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

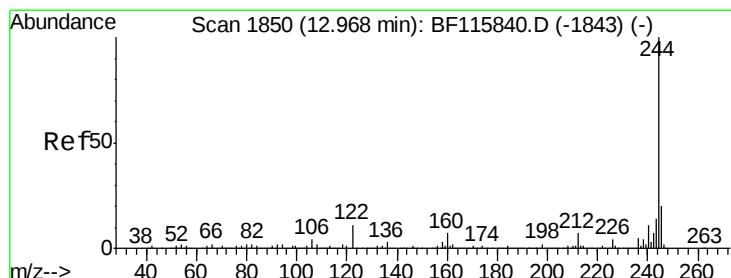
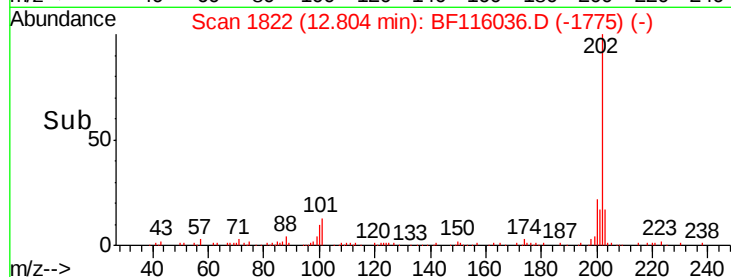
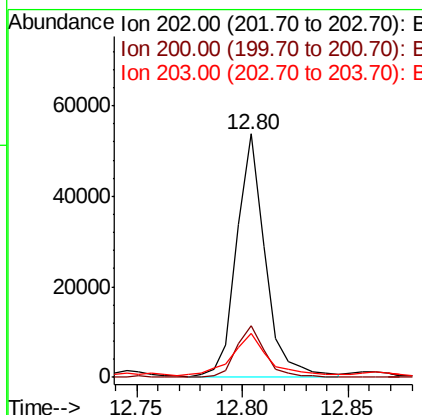
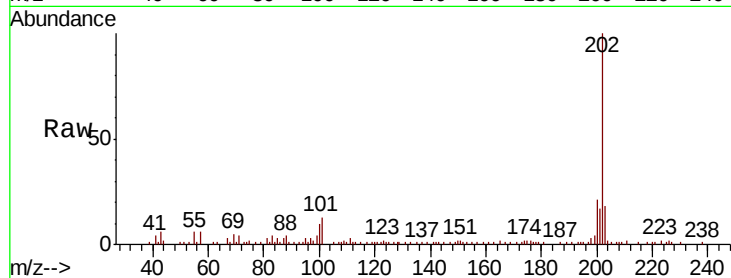




#78
Pvrene
Concen: 2.087 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

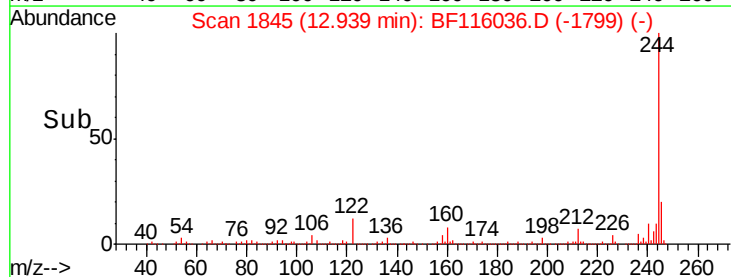
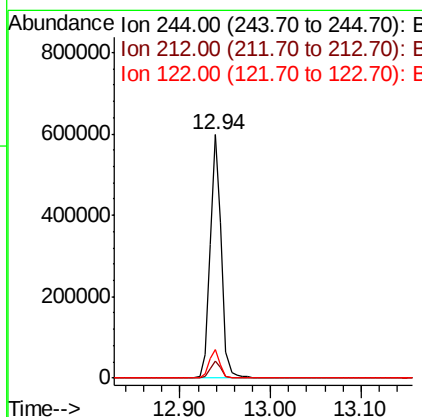
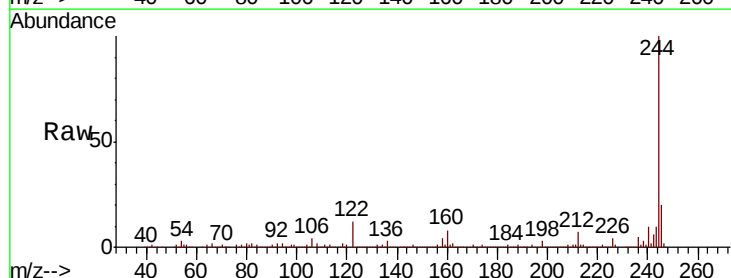
Instrument :
BNA_F
ClientSampleId :
OR-02-080219-A

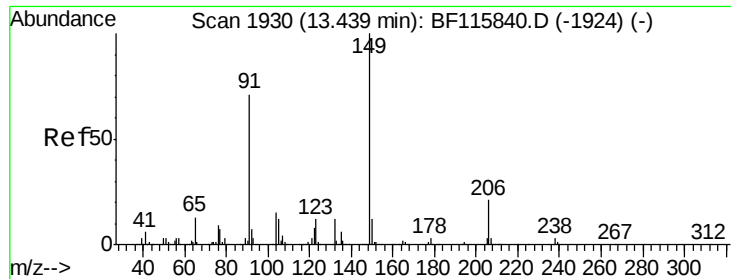
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.2	27.2
203	18.0	14.3	21.5



#79
Terphenyl-d14
Concen: 34.105 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.03 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.7	8.6	13.0

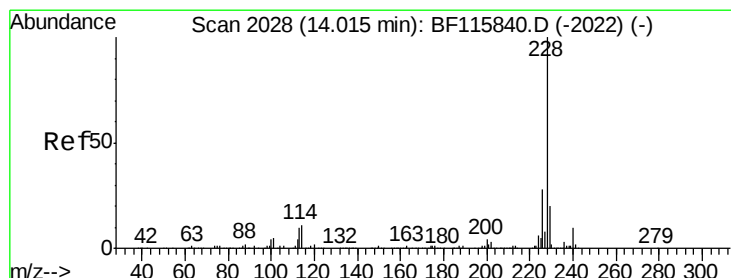
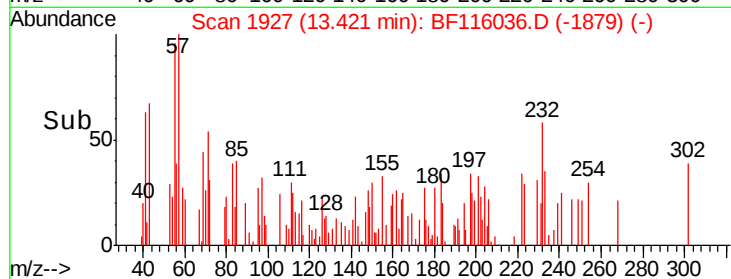
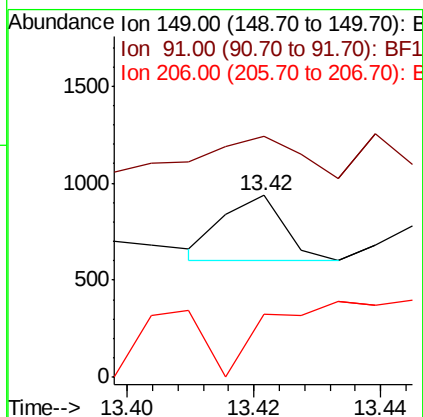
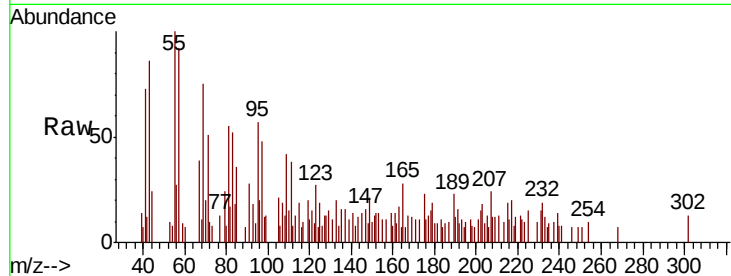




#80
Butylbenzylphthalate
Concen: 0.021 ng
RT: 13.42 min Scan# 1927
Delta R.T. -0.02 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

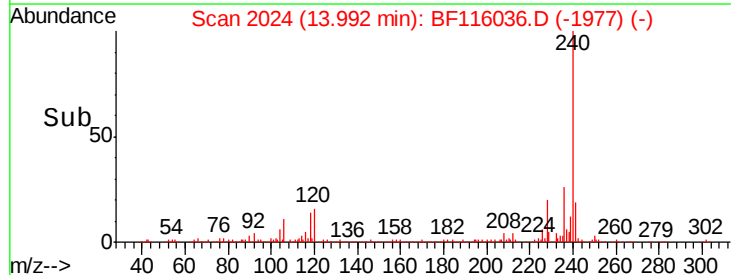
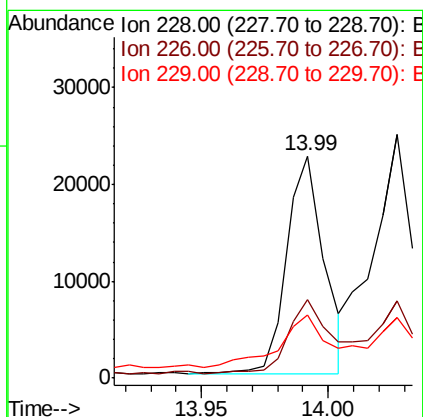
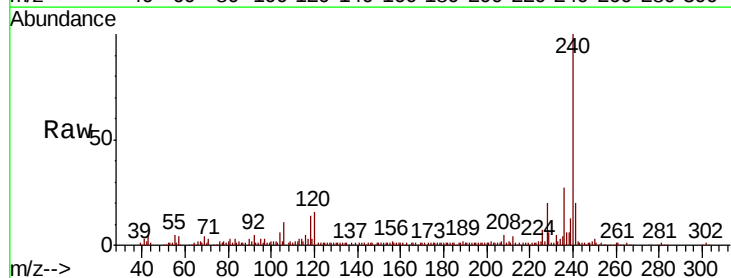
Instrument :
BNA_F
ClientSampleId :
OR-02-080219-A

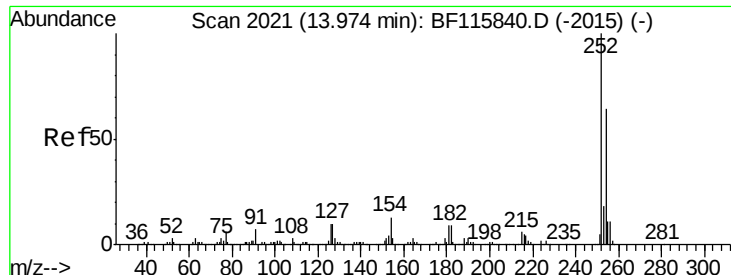
Tot Ion	Ratio	Lower	Upper
149	100		
91	132.3	57.0	85.6#
206	34.7	16.9	25.3#



#81
Benzo(a)anthracene
Concen: 1.130 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF116036.D
Acq: 7 Aug 2019 3:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.0	22.5	33.7#
229	28.4	16.1	24.1#





#82

3,3'-Dichlorobenzidine

Concen: 0.111 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

OR-02-080219-A

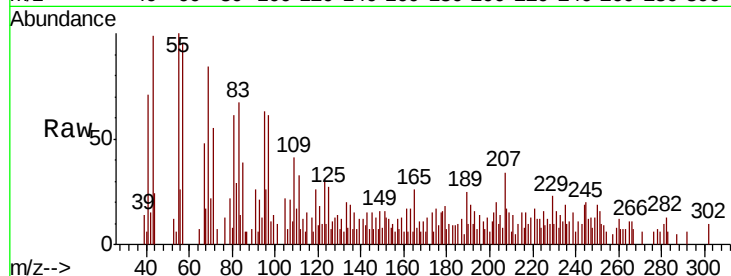
Tot Ion:252 Resp: 792

Ion Ratio Lower Upper

252 100

254 59.2 51.2 76.8

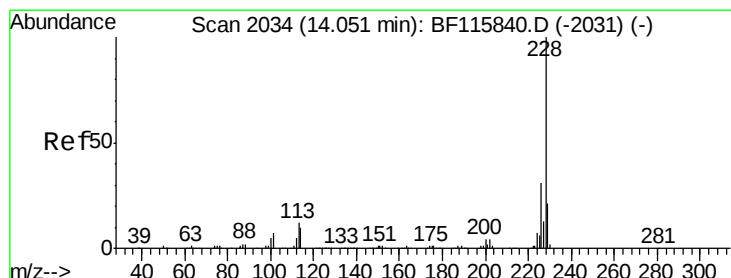
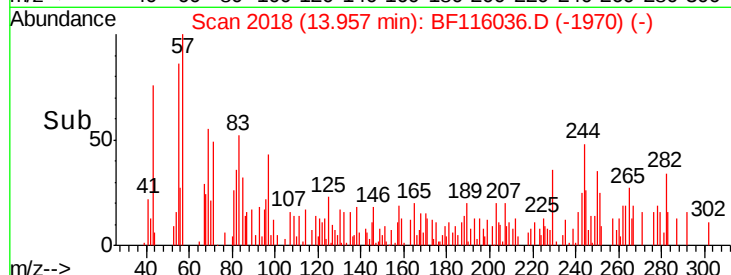
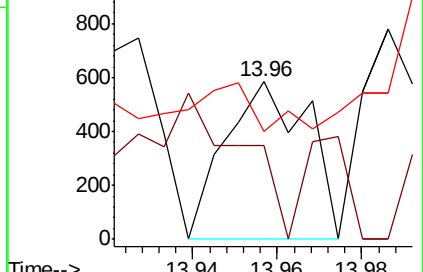
126 68.3 8.1 12.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 1.387 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

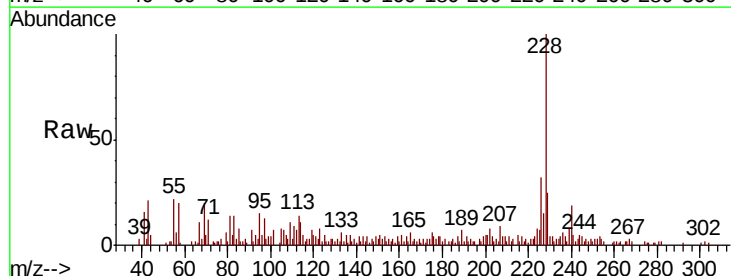
Tgt Ion:228 Resp: 27679

Ion Ratio Lower Upper

228 100

226 31.7 24.8 37.2

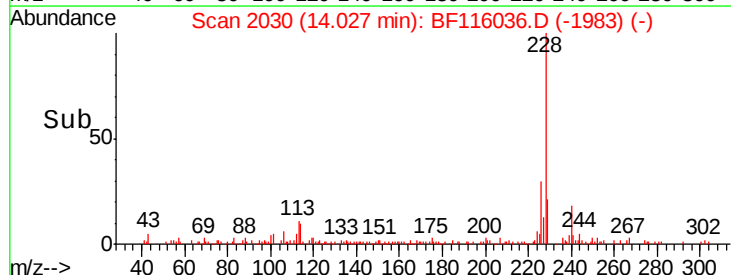
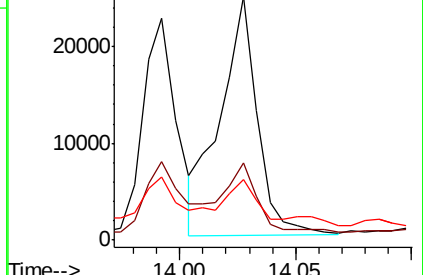
229 24.8 16.4 24.6#

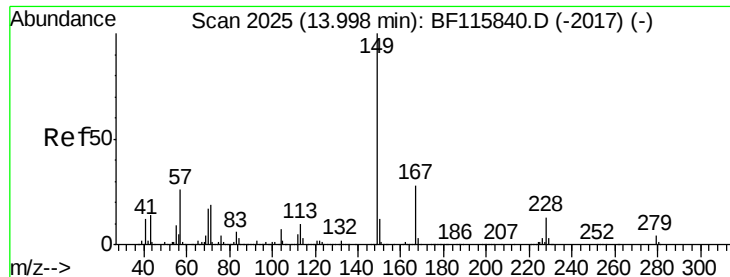


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.146 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.03 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

OR-02-080219-A

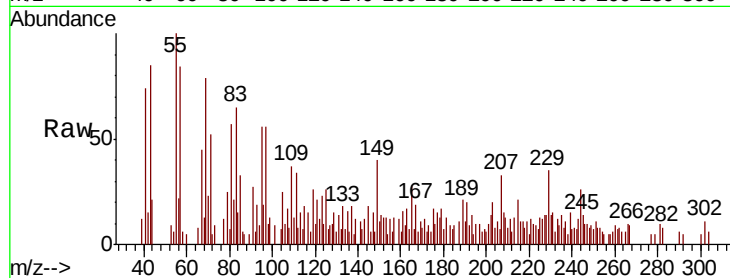
Tot Ion:149 Resp: 1949

Ion Ratio Lower Upper

149 100

167 47.5 22.4 33.6#

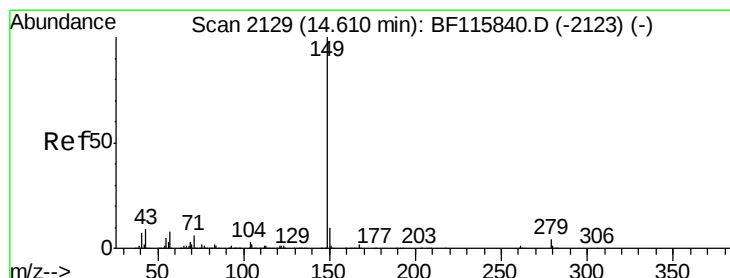
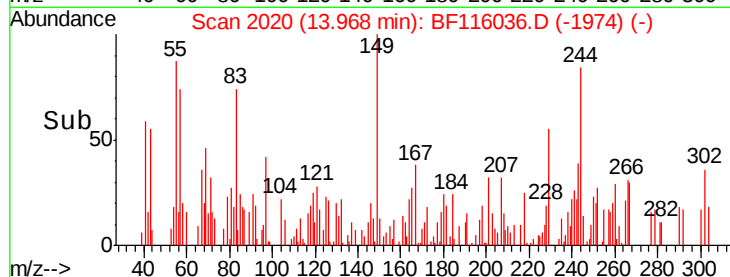
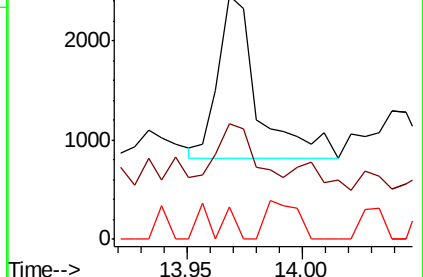
279 13.3 3.3 4.9#



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: 0.008 ng

RT: 14.56 min Scan# 2121

Delta R.T. -0.05 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

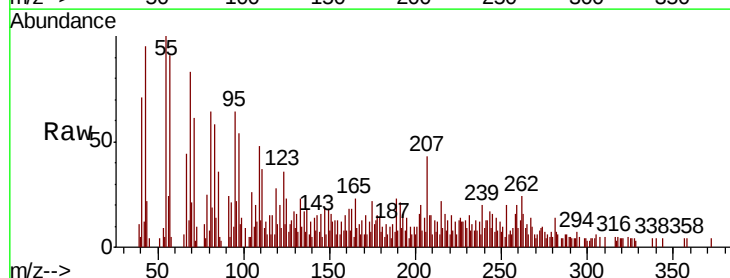
Tgt Ion:149 Resp: 175

Ion Ratio Lower Upper

149 100

167 247.4 1.2 1.8#

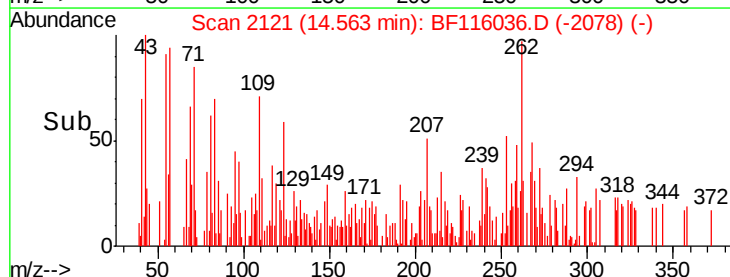
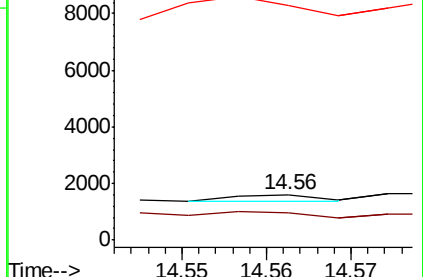
43 1376.6 7.4 11.0#

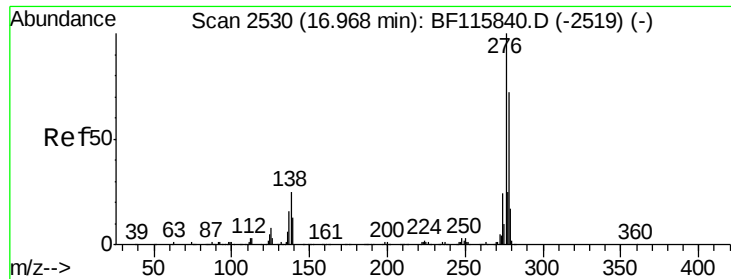


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

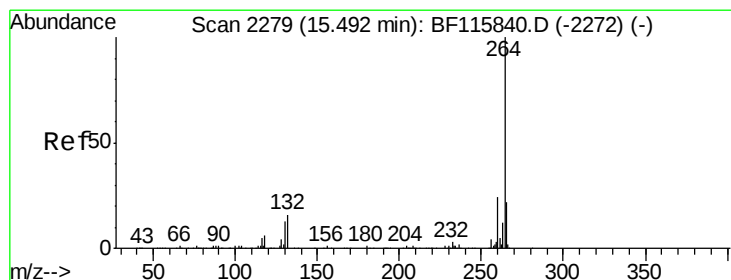
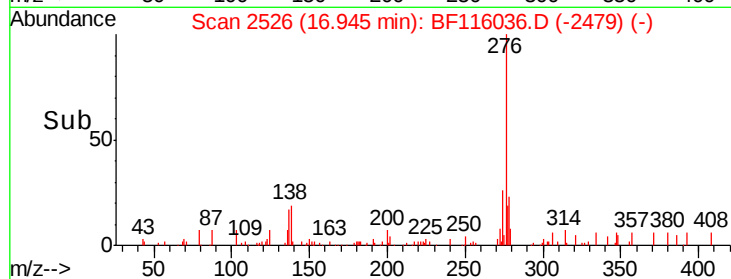
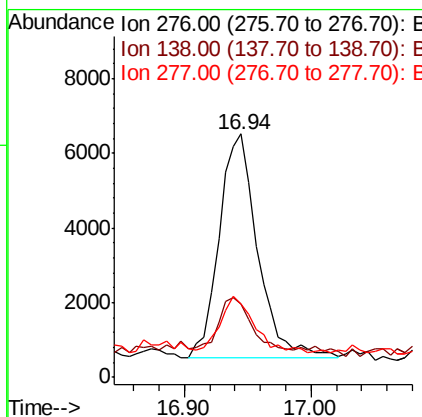
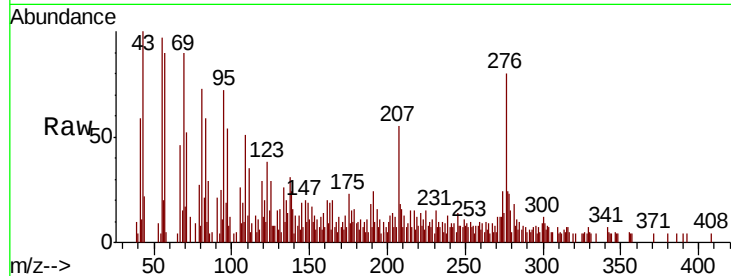




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.749 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.02 min
 Lab File: BF116036.D
 Acq: 7 Aug 2019 3:39

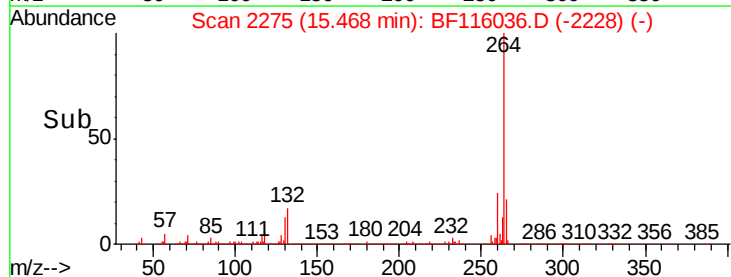
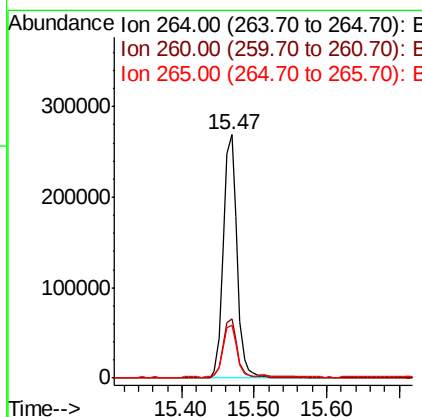
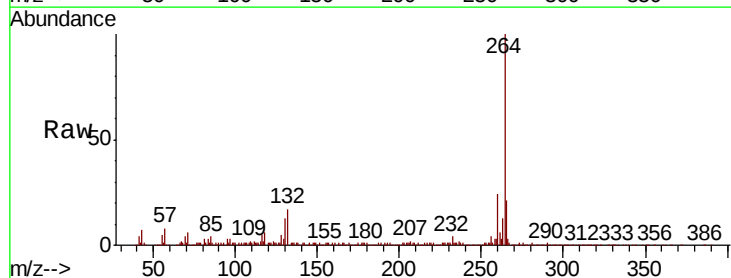
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080219-A

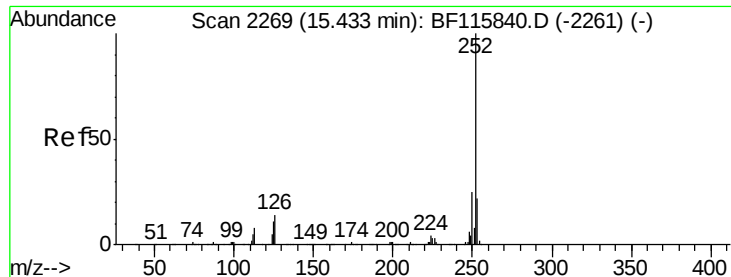
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	19.6	29.4#
277	22.8	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.02 min
 Lab File: BF116036.D
 Acq: 7 Aug 2019 3:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	21.5	17.5	26.3





#90

Benzo(a)pyrene

Concen: 1.252 ng

RT: 15.40 min Scan# 2264

Delta R.T. -0.03 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

Instrument :

BNA_F

ClientSampleId :

OR-02-080219-A

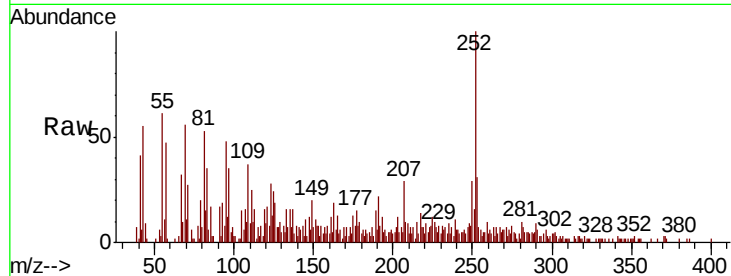
Tot Ion:252 Resp: 22870

Ion Ratio Lower Upper

252 100

253 30.7 17.8 26.6#

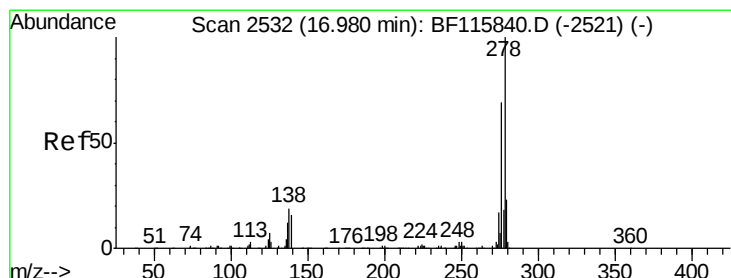
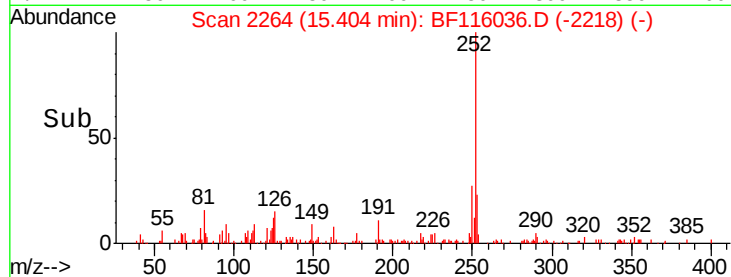
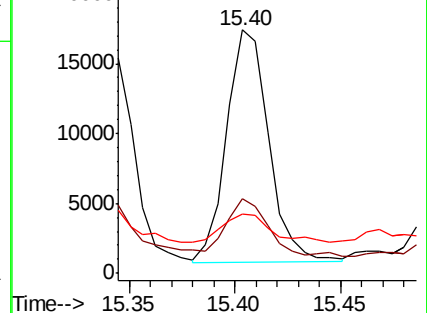
125 24.2 8.8 13.2#



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



#91

Dibenzo(a,h)anthracene

Concen: 0.259 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.04 min

Lab File: BF116036.D

Acq: 7 Aug 2019 3:39

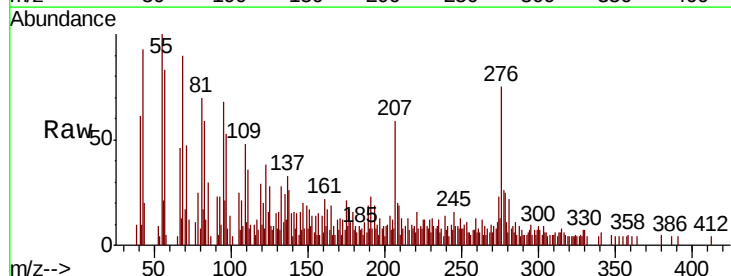
Tgt Ion:278 Resp: 4101

Ion Ratio Lower Upper

278 100

139 61.9 12.6 19.0#

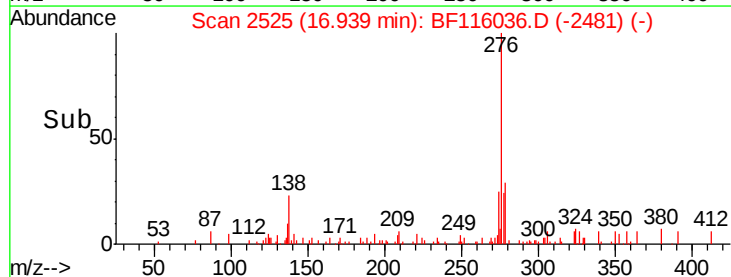
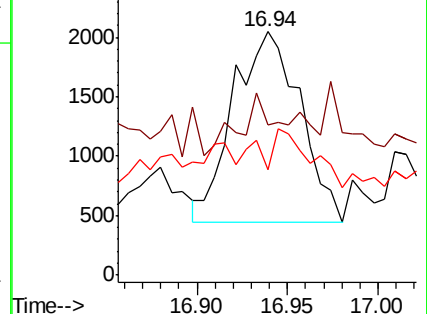
279 43.6 18.8 28.2#

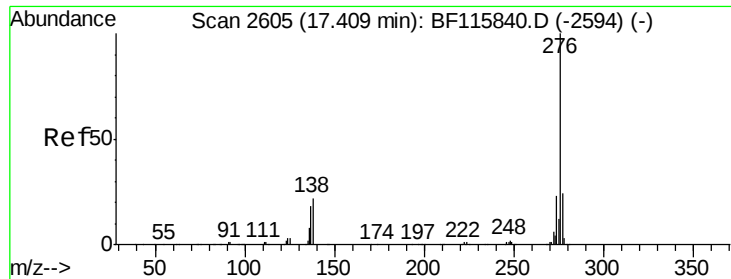


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

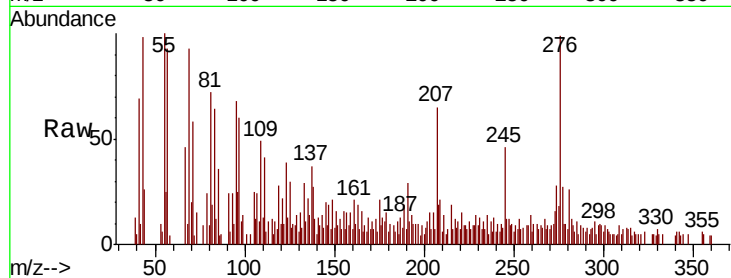




#92
 Benzo(a,h,i)perylene
 Concen: 0.897 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.02 min
 Lab File: BF116036.D
 Acq: 7 Aug 2019 3:39

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-080219-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.5	29.3
138	27.6	17.8	26.8



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

