

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101516.D
 Acq On : 7 Nov 2024 3:38
 Operator : RC/JU
 Sample : P4660-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 WC-WOOD-01-C

Quant Time: Nov 07 03:29:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 00:01:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

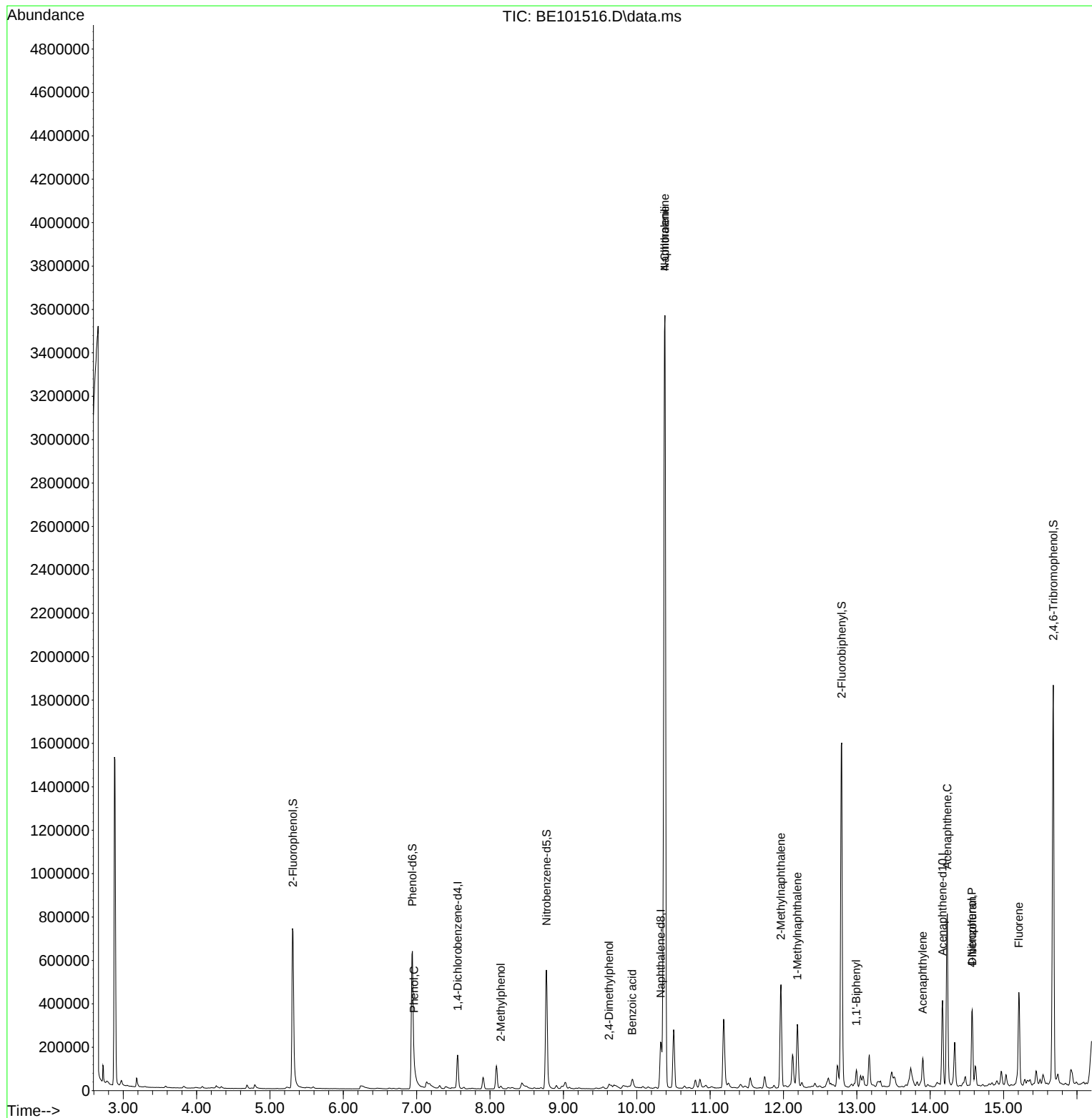
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.558	152	43720	20.000	ng	0.00
21) Naphthalene-d8	10.325	136	200694	20.000	ng	0.00
39) Acenaphthene-d10	14.168	164	141864	20.000	ng	0.00
64) Phenanthrene-d10	16.906	188	364933	20.000	ng	0.00
76) Chrysene-d12	21.066	240	491415	20.000	ng	-0.01
86) Perylene-d12	23.346	264	502658	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	396400	160.317	ng	0.00
7) Phenol-d6	6.941	99	496300	146.395	ng	0.00
23) Nitrobenzene-d5	8.768	82	330311	103.960	ng	0.00
42) 2,4,6-Tribromophenol	15.678	330	461311	172.811	ng	0.00
45) 2-Fluorobiphenyl	12.793	172	862742	99.298	ng	0.00
79) Terphenyl-d14	19.503	244	2100657	94.623	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.965	94	17044	4.619	ng	# 74
17) 2-Methylphenol	8.146	107	4945	2.070	ng	93
27) 2,4-Dimethylphenol	9.620	122	6266	3.079	ng	95
31) Naphthalene	10.384	128	3241342	319.917	ng	97
32) Benzoic acid	9.938	122	21925	16.723	ng	# 19
33) 4-Chloroaniline	10.384	127	441722	123.977	ng	# 33
37) 2-Methylnaphthalene	11.965	142	238682	33.167	ng	99
38) 1-Methylnaphthalene	12.188	142	138654	19.320	ng	100
46) 1,1'-Biphenyl	12.993	154	38852	3.970	ng	99
49) Acenaphthylene	13.898	152	69297	6.025	ng	97
52) Acenaphthene	14.233	154	288730	39.339	ng	99
55) Dibenzofuran	14.573	168	243197	20.576	ng	98
56) 4-Nitrophenol	14.568	139	86524	46.291	ng	# 16
58) Fluorene	15.208	166	191991	19.464	ng	99
71) Phenanthrene	16.947	178	555473	31.296	ng	99
72) Anthracene	16.947	178	555473	31.691	ng	100
73) Carbazole	17.364	167	683419	38.881	ng	99
75) Fluoranthene	18.951	202	199650	8.773	ng	98
78) Pyrene	19.321	202	141902	5.075	ng	98

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

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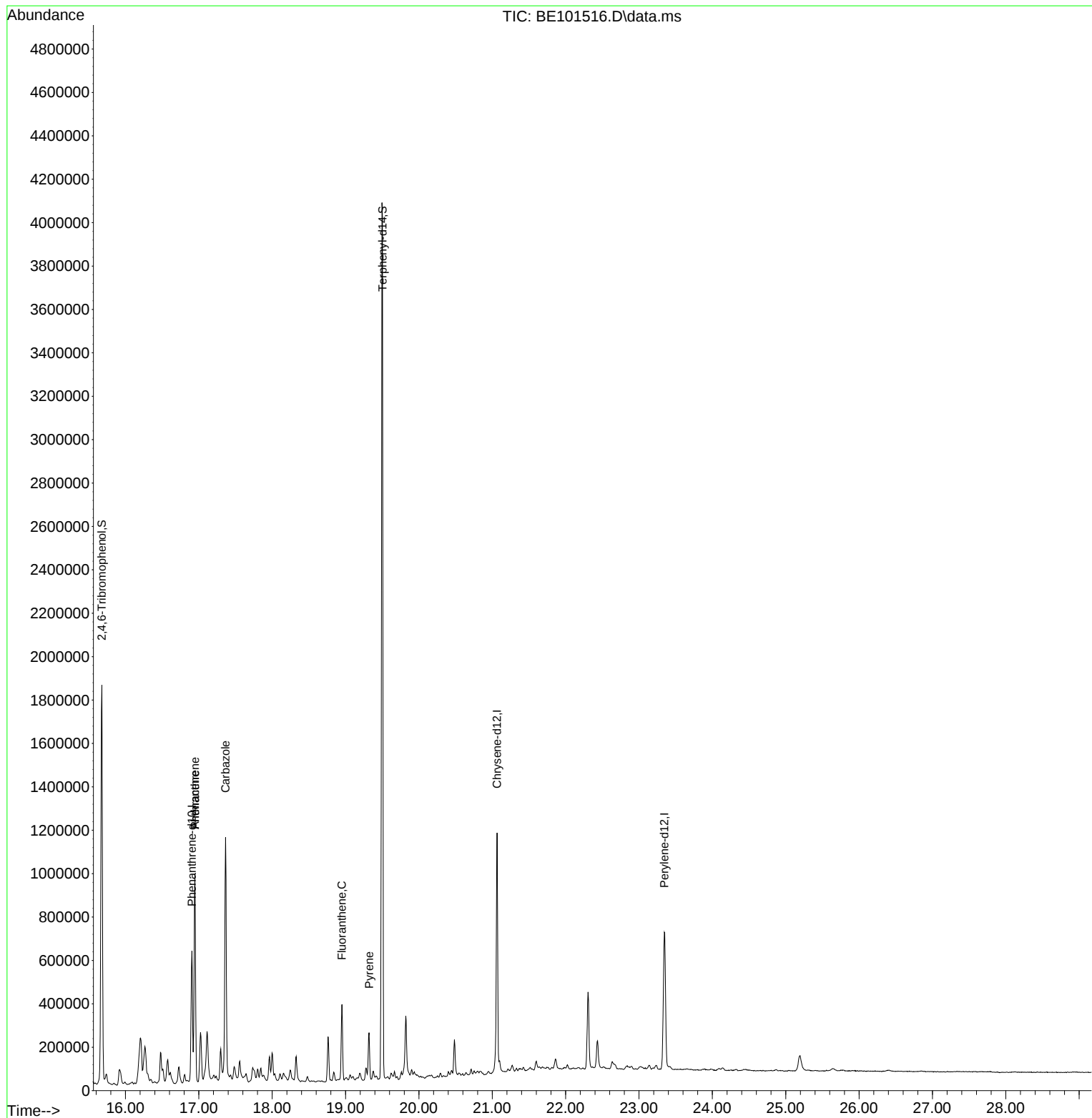
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Sample : P4660-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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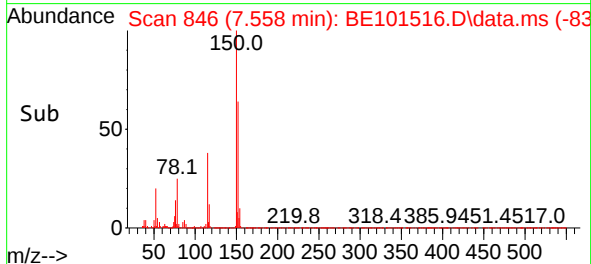
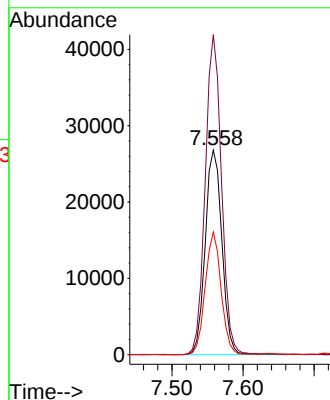
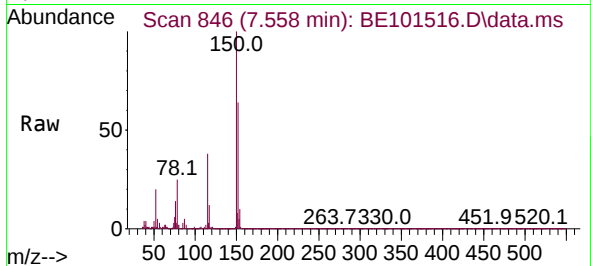




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.558 min Scan# 847
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

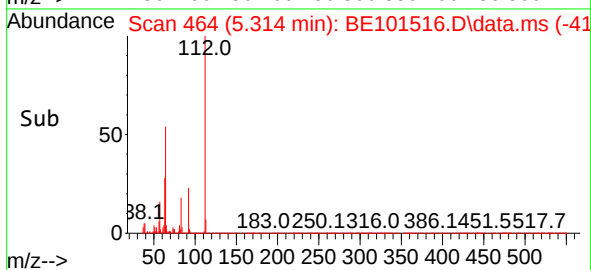
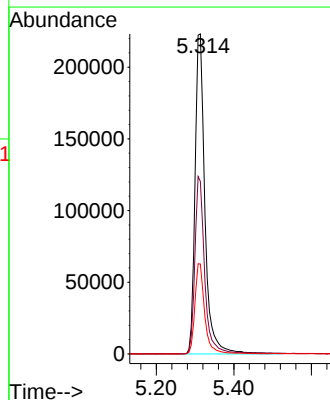
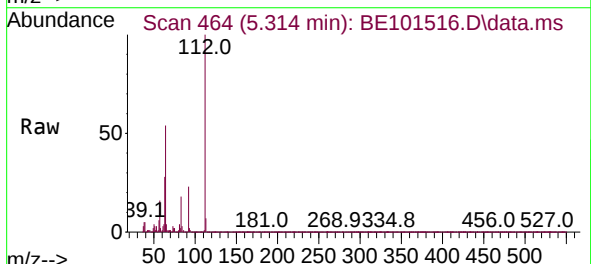
Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C

Tgt Ion:152 Resp: 43720
Ion Ratio Lower Upper
152 100
150 156.4 126.3 189.5
115 60.0 45.0 67.4



#5
2-Fluorophenol
Concen: 160.317 ng
RT: 5.314 min Scan# 464
Delta R.T. 0.001 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Tgt Ion:112 Resp: 396400
Ion Ratio Lower Upper
112 100
64 53.9 43.2 64.8
63 28.1 21.8 32.6





#7

Phenol-d6

Concen: 146.395 ng

RT: 6.941 min Scan# 741

Delta R.T. -0.005 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

Instrument :

BNA_E

ClientSampleId :

WC-WOOD-01-C

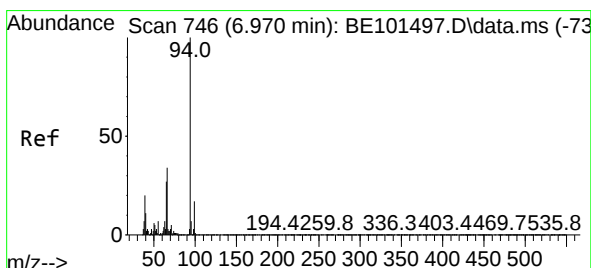
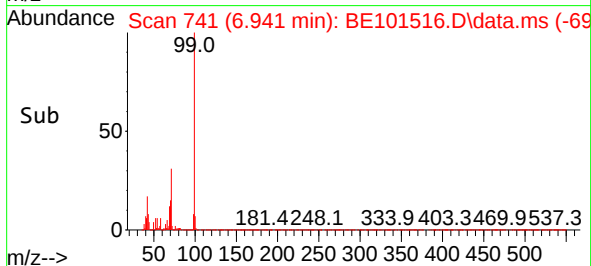
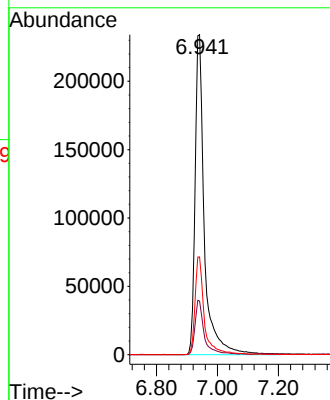
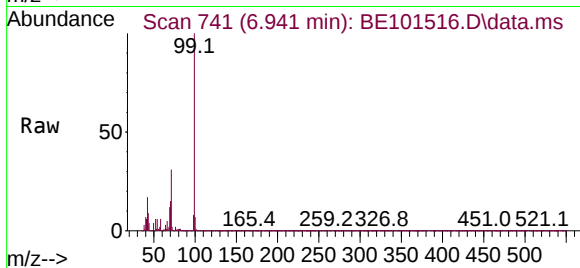
Tgt Ion: 99 Resp: 496300

Ion Ratio Lower Upper

99 100

42 16.8 12.5 18.7

71 30.5 24.2 36.2



#10

Phenol

Concen: 4.619 ng

RT: 6.965 min Scan# 745

Delta R.T. -0.005 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

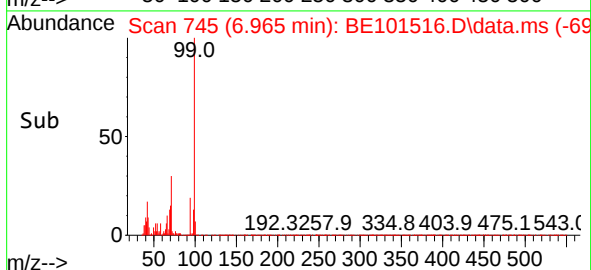
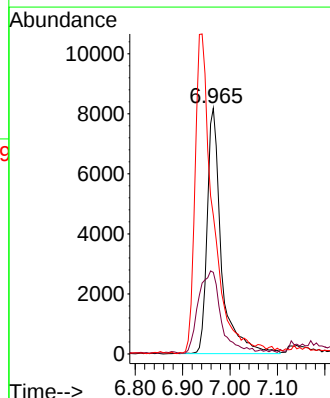
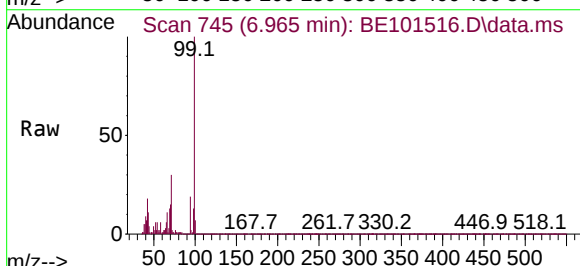
Tgt Ion: 94 Resp: 17044

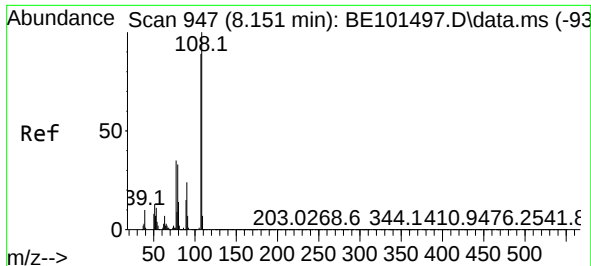
Ion Ratio Lower Upper

94 100

65 33.2 6.7 46.7

66 56.4 15.0 55.0#

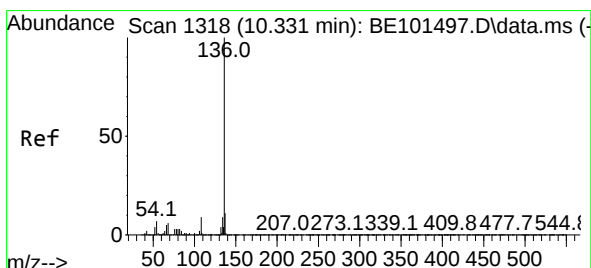
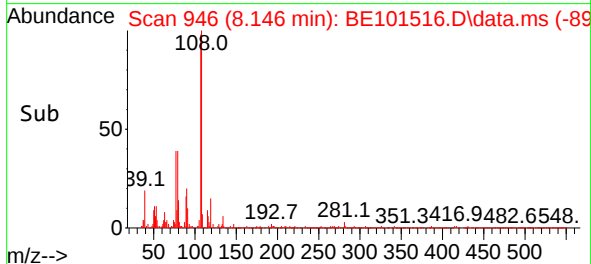
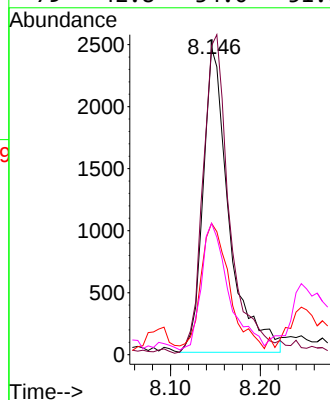
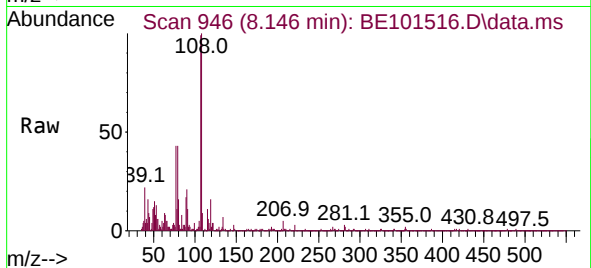




#17
2-Methylphenol
Concen: 2.070 ng
RT: 8.146 min Scan# 947
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

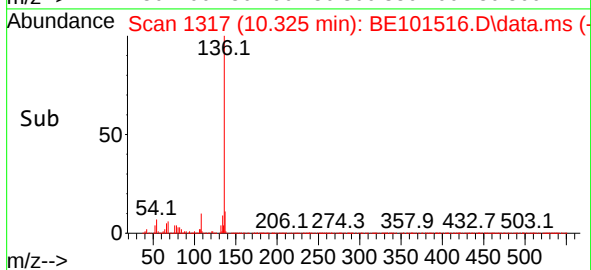
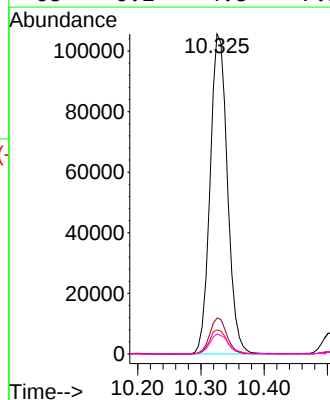
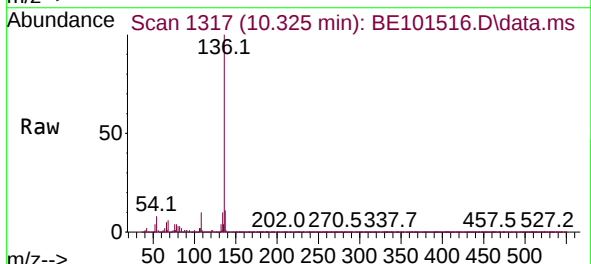
Instrument :
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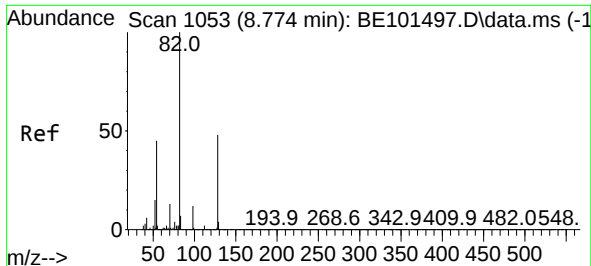
Tgt Ion:	107	Resp:	4945
Ion	Ratio	Lower	Upper
107	100		
108	100.7	90.2	135.4
77	42.8	35.1	52.7
79	42.8	34.0	51.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.325 min Scan# 1317
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Tgt Ion:	136	Resp:	200694
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	7.5	5.6	8.4
68	6.2	4.8	7.2

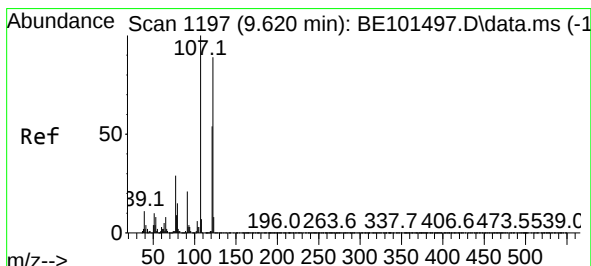
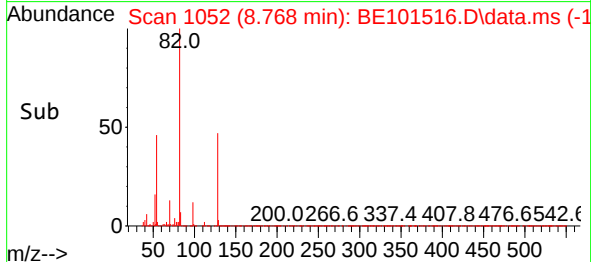
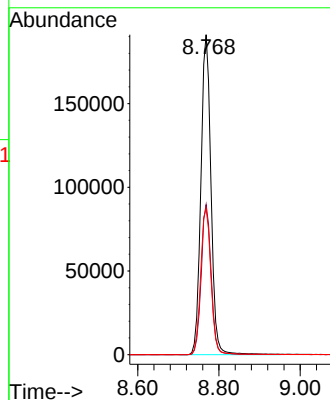
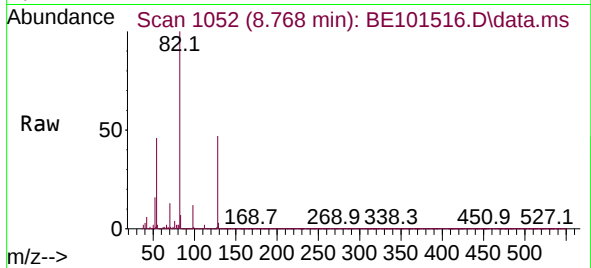




#23
Nitrobenzene-d5
Concen: 103.960 ng
RT: 8.768 min Scan# 1053
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

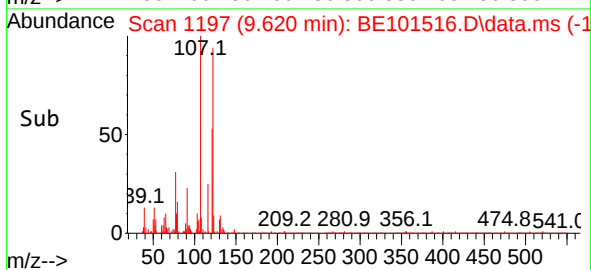
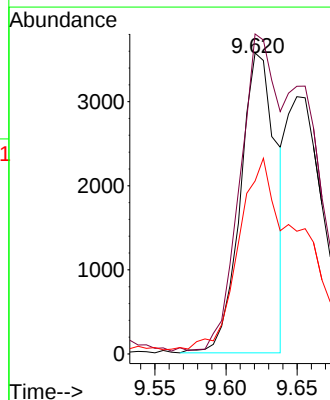
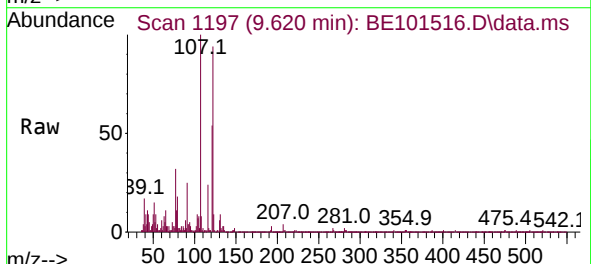
Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C

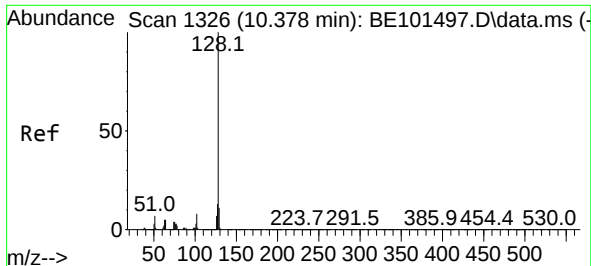
Tgt Ion: 82 Resp: 330311
Ion Ratio Lower Upper
82 100
128 46.9 38.6 58.0
54 45.6 36.3 54.5



#27
2,4-Dimethylphenol
Concen: 3.079 ng
RT: 9.620 min Scan# 1197
Delta R.T. 0.001 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Tgt Ion: 122 Resp: 6266
Ion Ratio Lower Upper
122 100
107 106.3 89.8 134.6
121 57.5 48.0 72.0

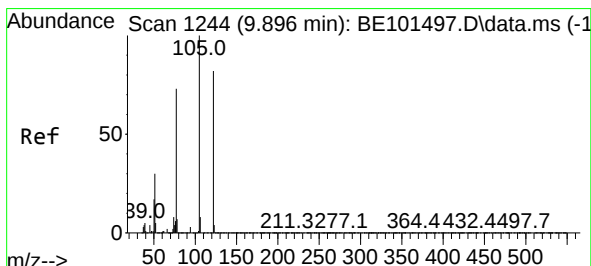
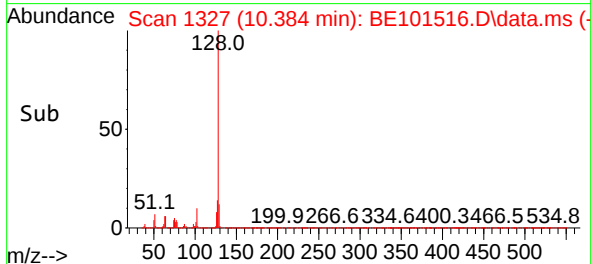
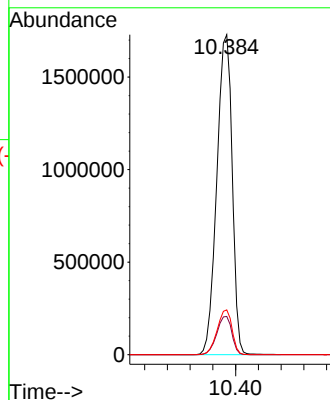
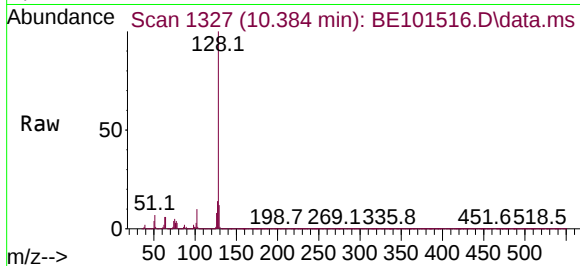




#31
Naphthalene
Concen: 319.917 ng
RT: 10.384 min Scan# 11
Delta R.T. 0.007 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

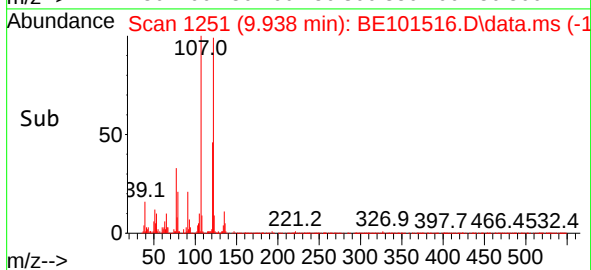
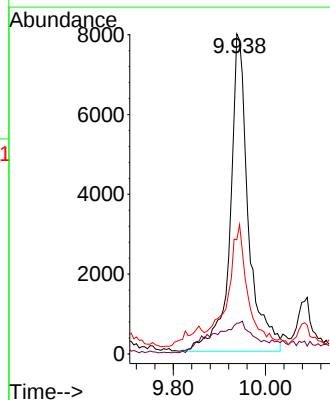
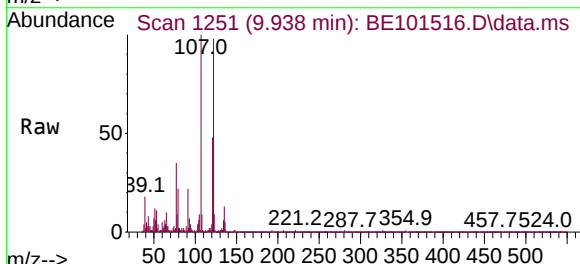
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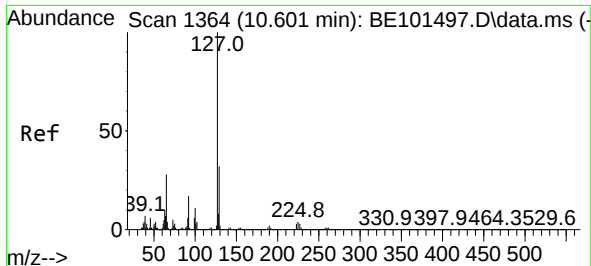
Tgt Ion:128 Resp: 3241342
Ion Ratio Lower Upper
128 100
129 11.9 8.9 13.3
127 14.0 10.3 15.5



#32
Benzoic acid
Concen: 16.723 ng
RT: 9.938 min Scan# 1251
Delta R.T. 0.042 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Tgt Ion:122 Resp: 21925
Ion Ratio Lower Upper
122 100
105 9.6 100.6 140.6#
77 35.7 68.6 108.6#

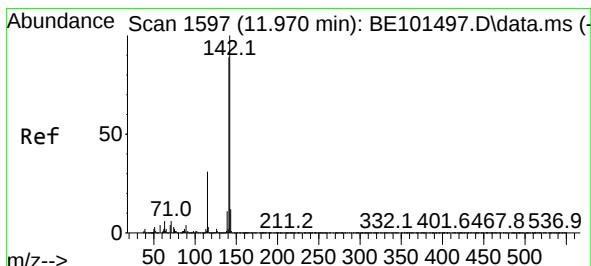
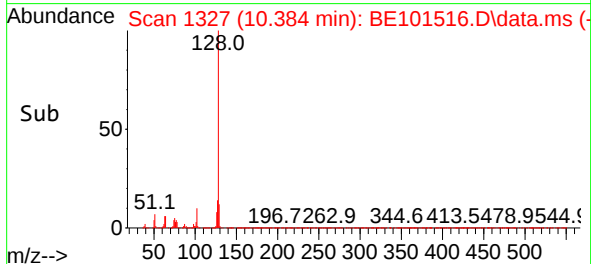
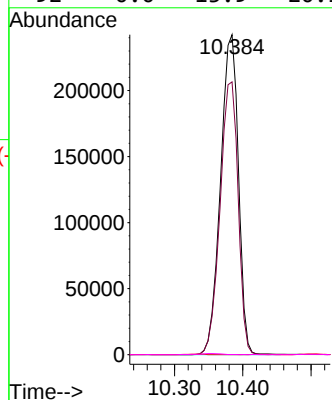
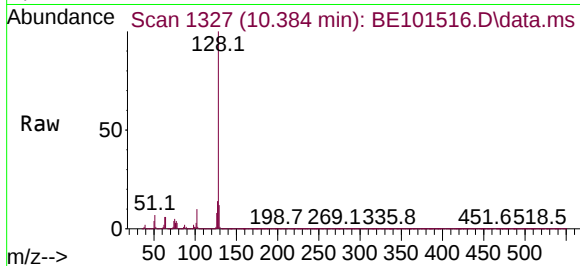




#33
4-Chloroaniline
Concen: 123.977 ng
RT: 10.384 min Scan# 11
Delta R.T. -0.217 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

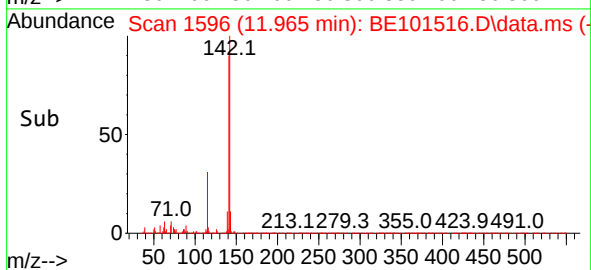
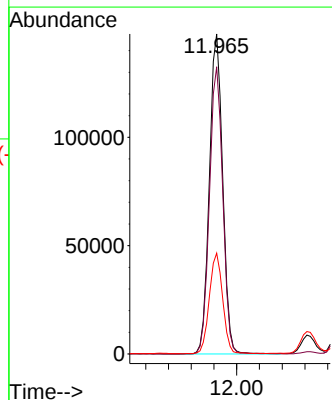
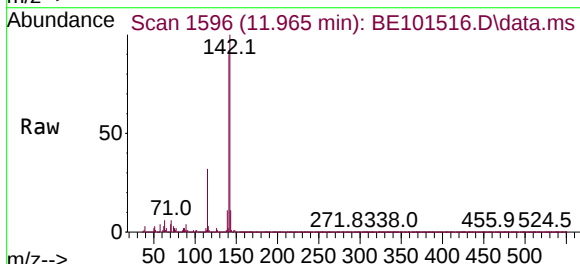
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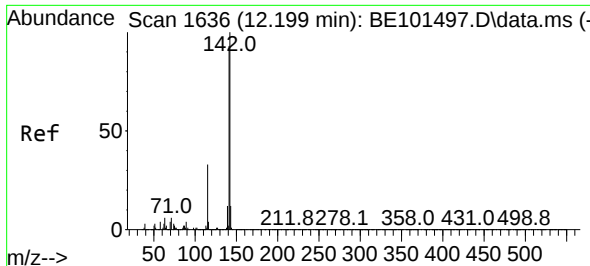
Tgt Ion:	127	Resp:	441722
Ion	Ratio	Lower	Upper
127	100		
129	85.3	25.8	38.8#
65	0.0	22.6	33.8#
92	0.0	13.9	20.9#



#37
2-Methylnaphthalene
Concen: 33.167 ng
RT: 11.965 min Scan# 1596
Delta R.T. -0.005 min
Lab File: BE101516.D
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Tgt Ion:	142	Resp:	238682
Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.3	106.9
115	31.5	25.0	37.4

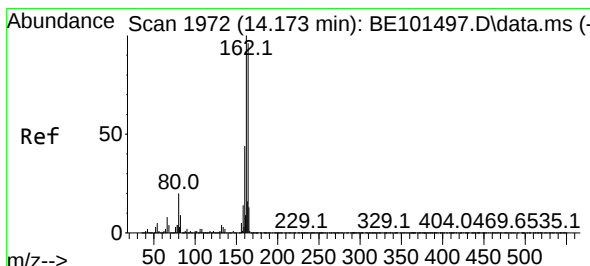
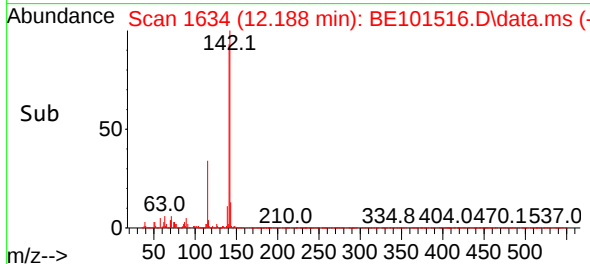
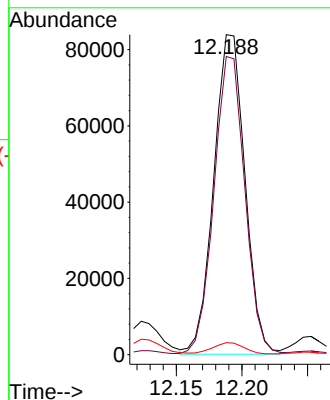
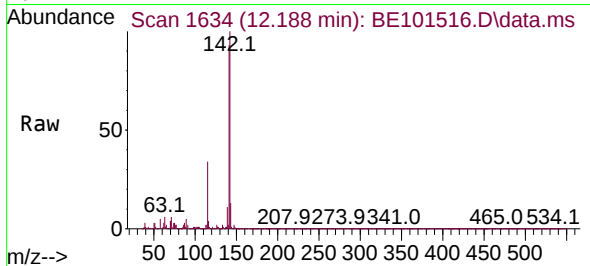




#38
1-Methylnaphthalene
Concen: 19.320 ng
RT: 12.188 min Scan# 1634
Delta R.T. -0.011 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

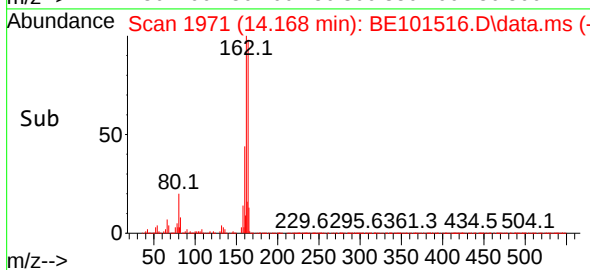
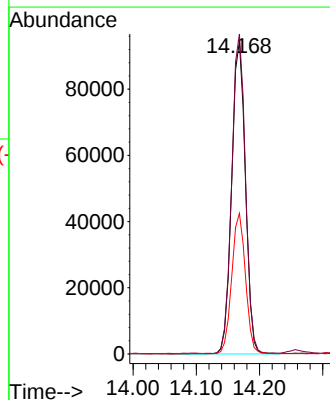
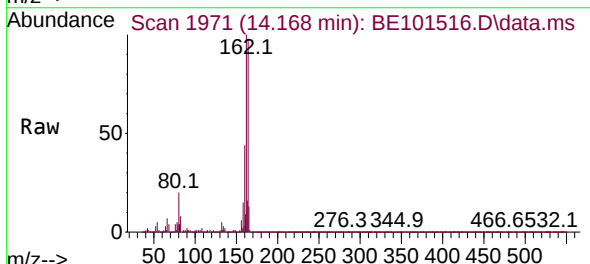
Instrument :
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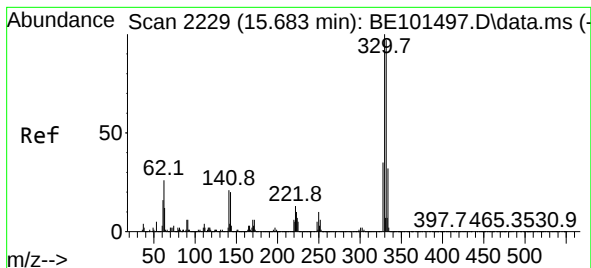
Tgt Ion:142 Resp: 138654
Ion Ratio Lower Upper
142 100
141 93.2 74.7 112.1
116 3.7 2.9 4.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.168 min Scan# 1971
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Tgt Ion:164 Resp: 141864
Ion Ratio Lower Upper
164 100
162 102.4 83.7 125.5
160 45.0 37.1 55.7

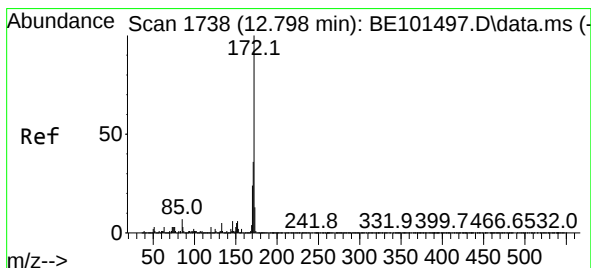
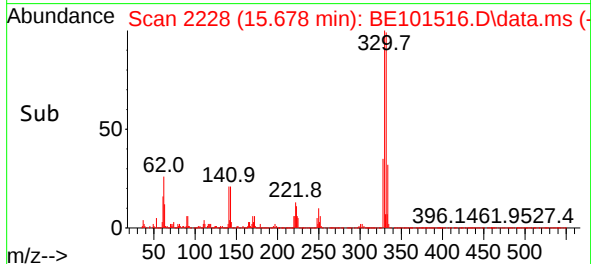
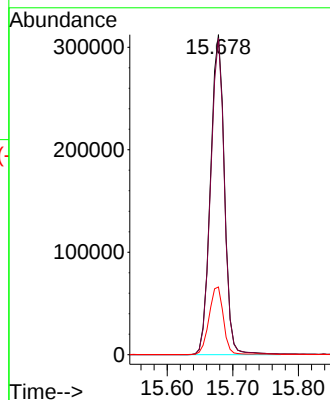
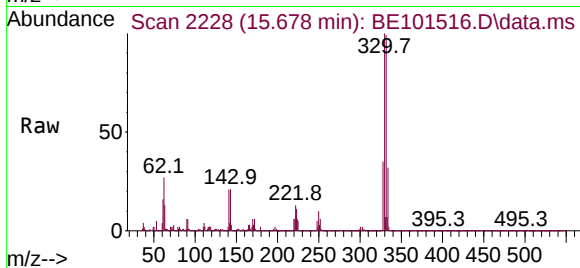




#42
2,4,6-Tribromophenol
Concen: 172.811 ng
RT: 15.678 min Scan# 21
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

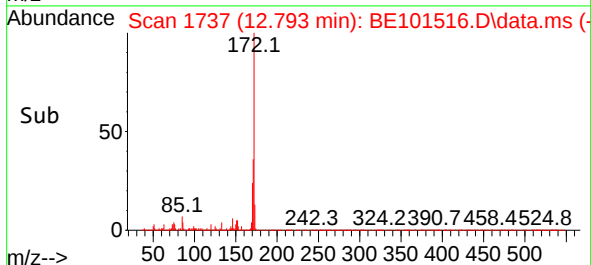
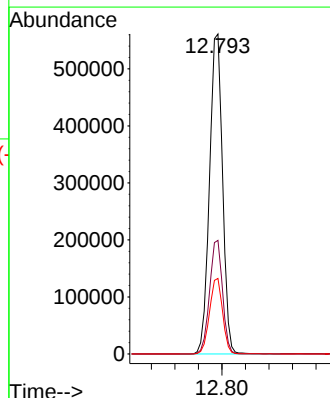
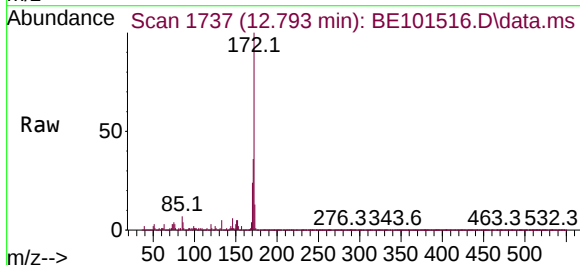
Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C

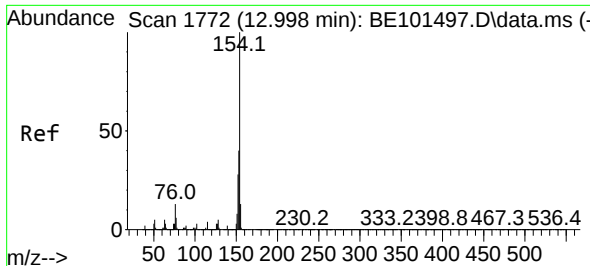
Tgt Ion:330 Resp: 461311
Ion Ratio Lower Upper
330 100
332 98.1 77.7 116.5
141 21.7 17.0 25.4



#45
2-Fluorobiphenyl
Concen: 99.298 ng
RT: 12.793 min Scan# 1737
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Tgt Ion:172 Resp: 862742
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.6 18.9 28.3

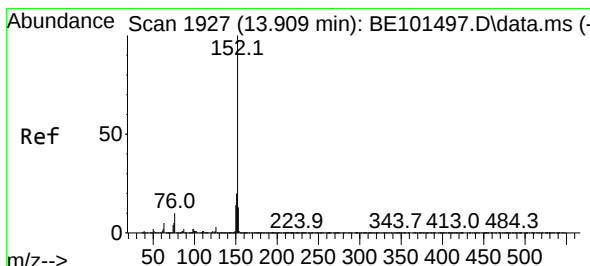
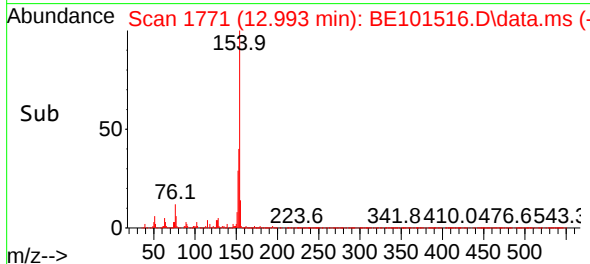
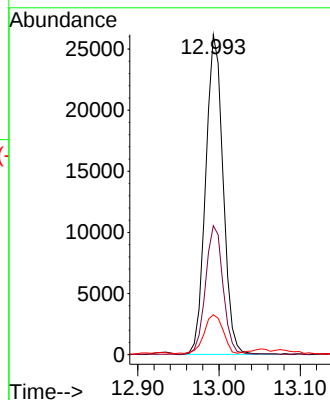
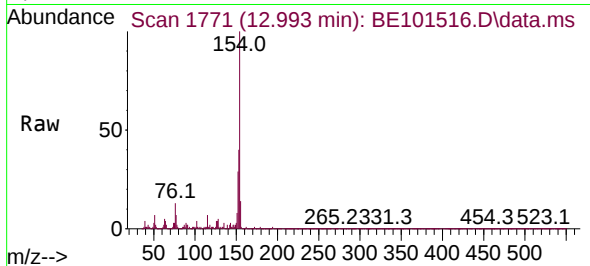




#46
1,1'-Biphenyl
Concen: 3.970 ng
RT: 12.993 min Scan# 1771
Delta R.T. -0.005 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

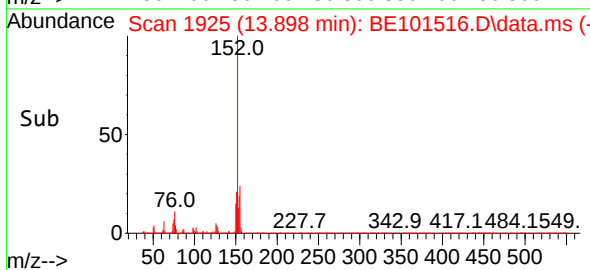
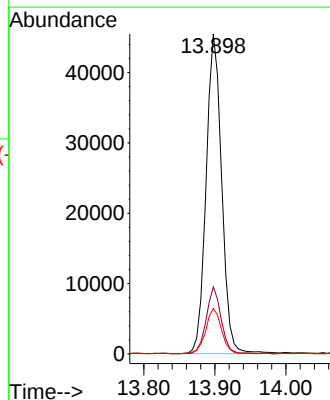
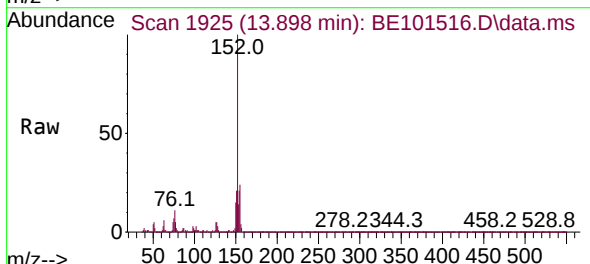
Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C

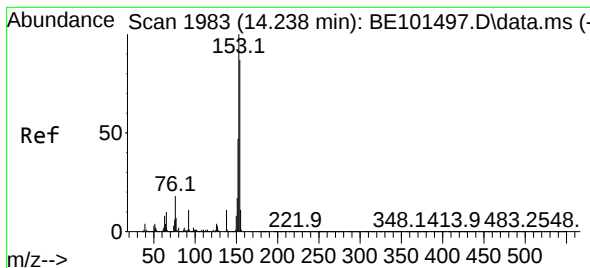
Tgt Ion:154 Resp: 38852
Ion Ratio Lower Upper
154 100
153 40.3 19.7 59.7
76 12.5 0.0 33.0



#49
Acenaphthylene
Concen: 6.025 ng
RT: 13.898 min Scan# 1925
Delta R.T. -0.011 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Tgt Ion:152 Resp: 69297
Ion Ratio Lower Upper
152 100
151 21.0 15.6 23.4
153 14.2 10.3 15.5





#52

Acenaphthene

Concen: 39.339 ng

RT: 14.233 min Scan# 1983

Delta R.T. -0.005 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

Instrument :

BNA_E

ClientSampleId :

WC-WOOD-01-C

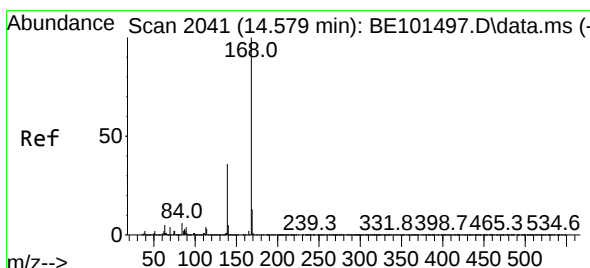
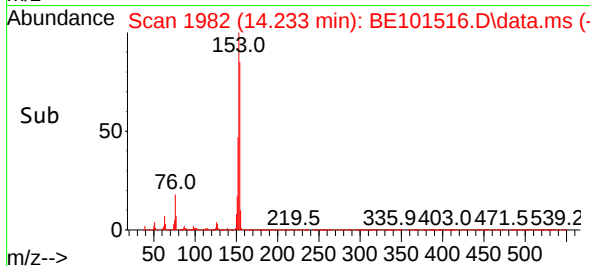
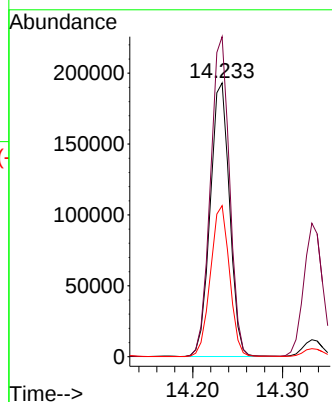
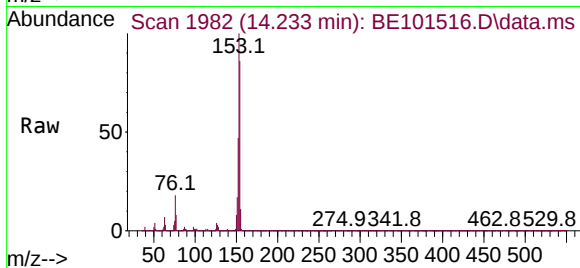
Tgt Ion:154 Resp: 288730

Ion Ratio Lower Upper

154 100

153 116.9 92.3 138.5

152 55.2 43.6 65.4



#55

Dibenzofuran

Concen: 20.576 ng

RT: 14.573 min Scan# 2040

Delta R.T. -0.005 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

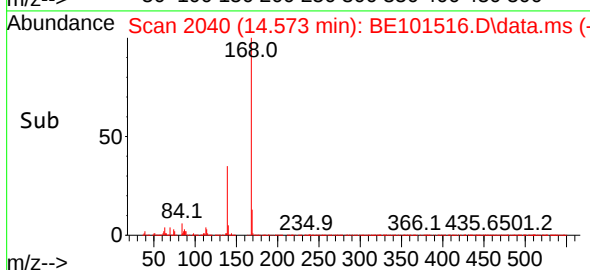
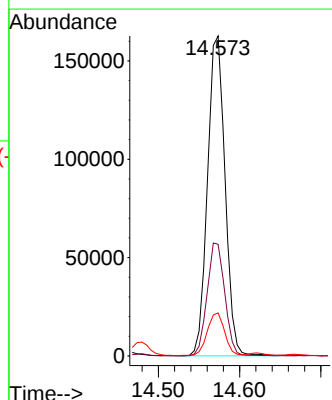
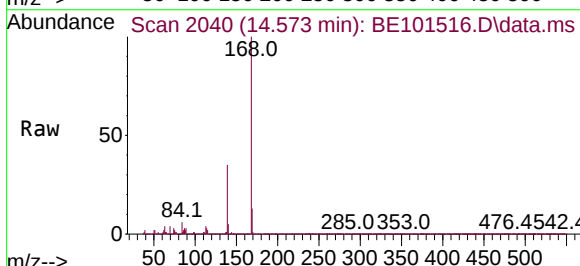
Tgt Ion:168 Resp: 243197

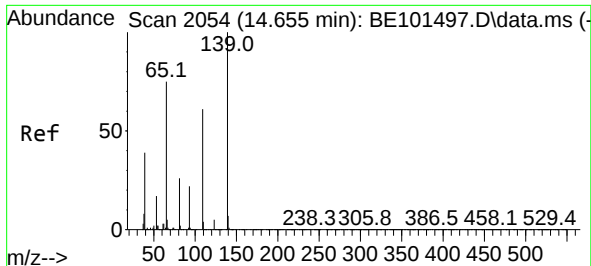
Ion Ratio Lower Upper

168 100

139 34.9 29.1 43.7

169 13.4 10.6 16.0

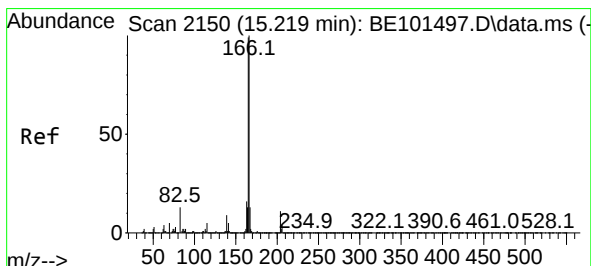
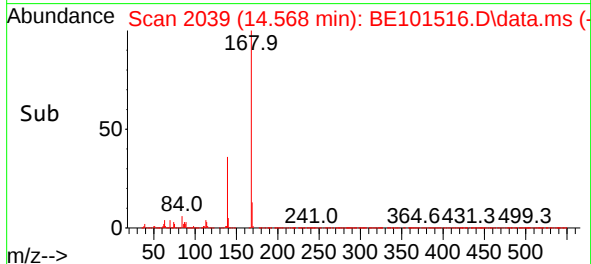
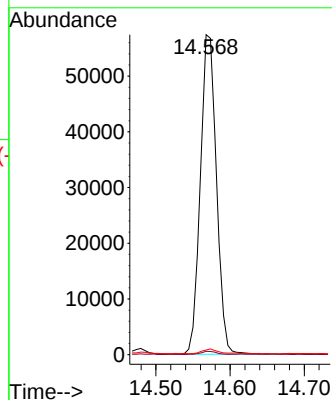
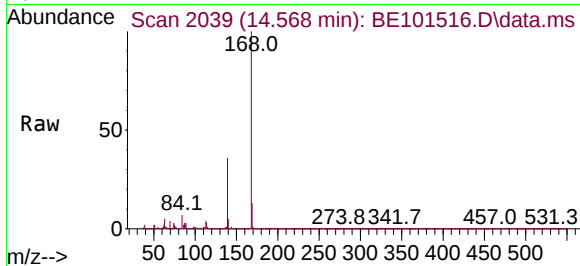




#56
4-Nitrophenol
Concen: 46.291 ng
RT: 14.568 min Scan# 2054
Delta R.T. -0.087 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

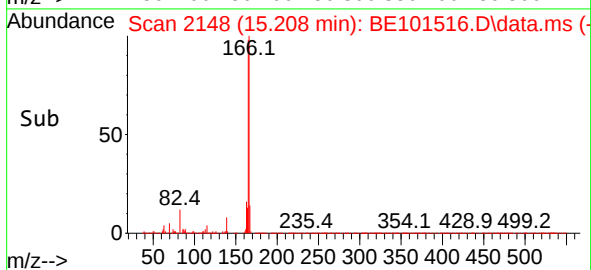
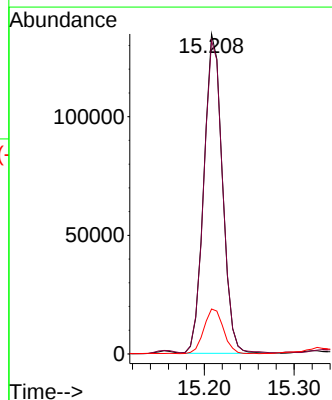
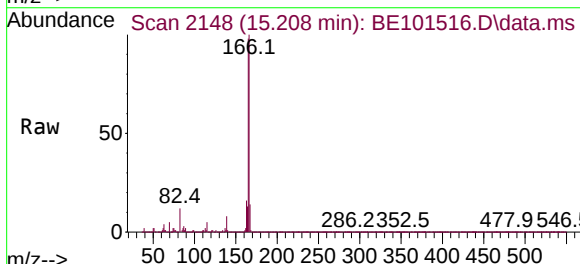
Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C

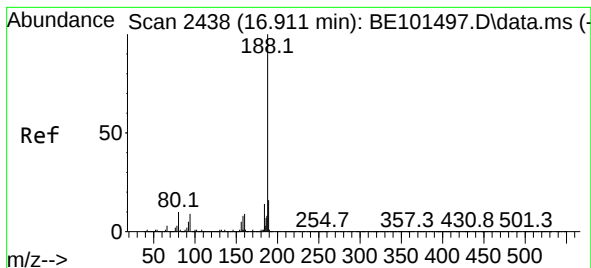
Tgt Ion:139 Resp: 86524
Ion Ratio Lower Upper
139 100
109 1.0 40.7 80.7#
65 1.4 58.0 98.0#



#58
Fluorene
Concen: 19.464 ng
RT: 15.208 min Scan# 2148
Delta R.T. -0.011 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Tgt Ion:166 Resp: 191991
Ion Ratio Lower Upper
166 100
165 98.0 79.0 118.4
167 14.0 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.906 min Scan# 2438

Delta R.T. -0.005 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

Instrument :

BNA_E

ClientSampleId :

WC-WOOD-01-C

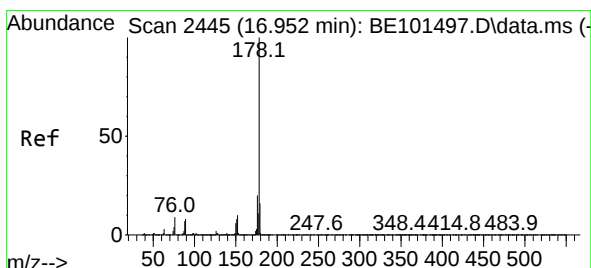
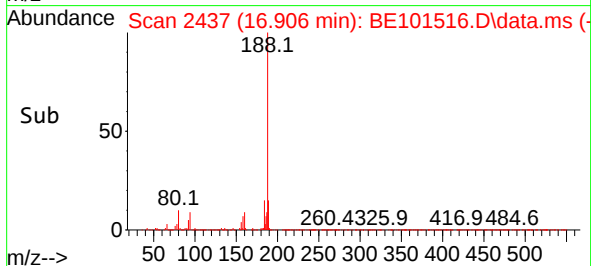
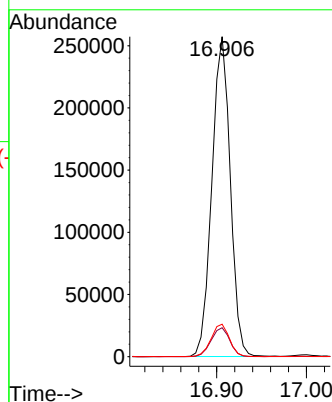
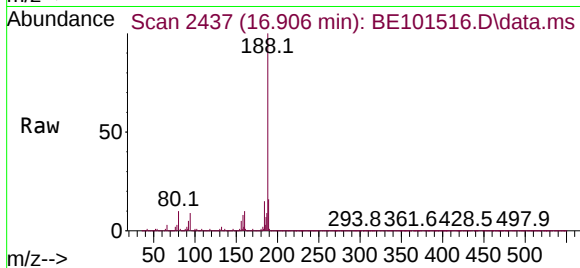
Tgt Ion:188 Resp: 364933

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

80 10.1 8.0 12.0



#71

Phenanthrene

Concen: 31.296 ng

RT: 16.947 min Scan# 2444

Delta R.T. -0.005 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

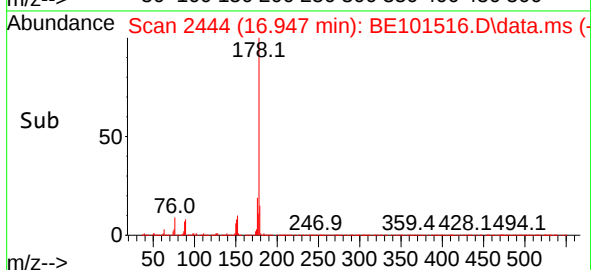
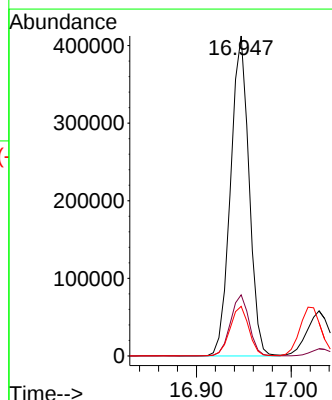
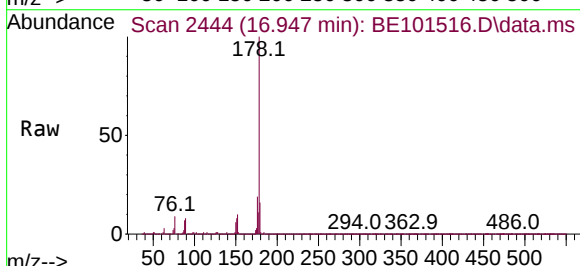
Tgt Ion:178 Resp: 555473

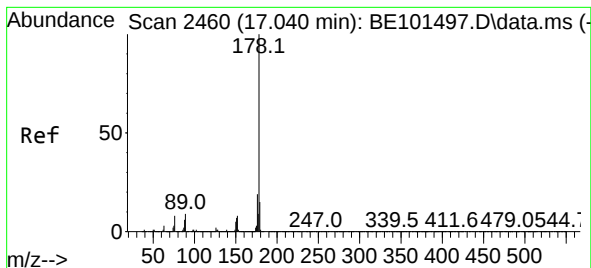
Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

179 15.5 12.6 19.0





#72

Anthracene

Concen: 31.691 ng

RT: 16.947 min Scan# 2460

Delta R.T. -0.093 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

Instrument :

BNA_E

ClientSampleId :

WC-WOOD-01-C

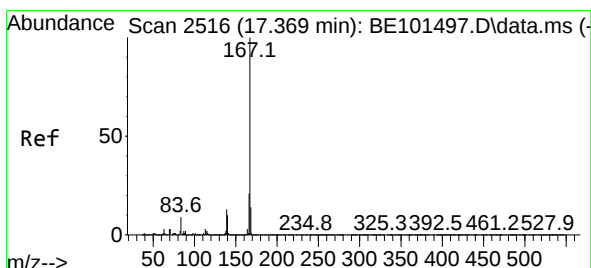
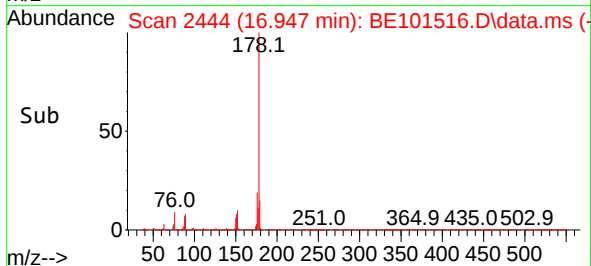
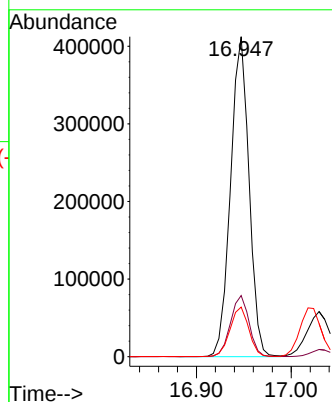
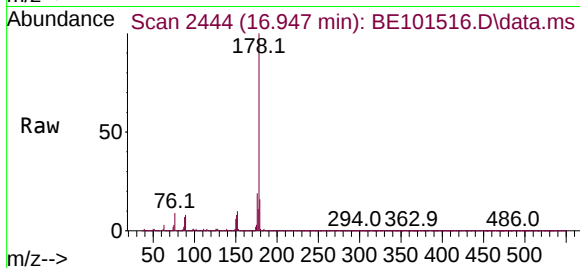
Tgt Ion:178 Resp: 555473

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

179 15.5 12.4 18.6



#73

Carbazole

Concen: 38.881 ng

RT: 17.364 min Scan# 2515

Delta R.T. -0.005 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

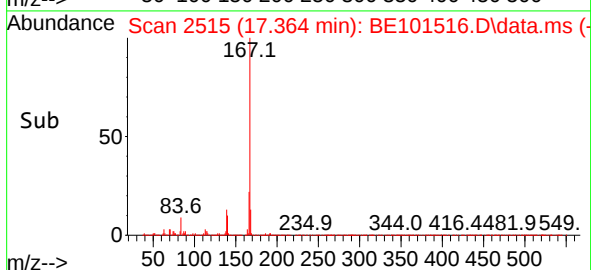
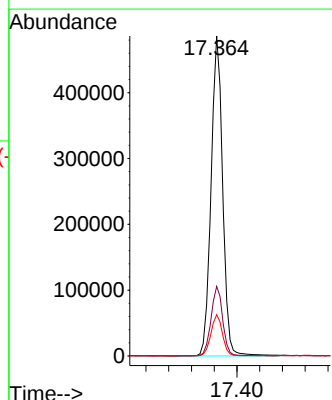
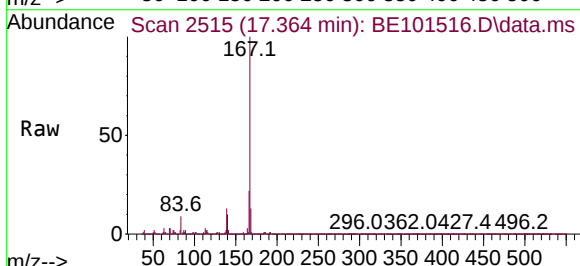
Tgt Ion:167 Resp: 683419

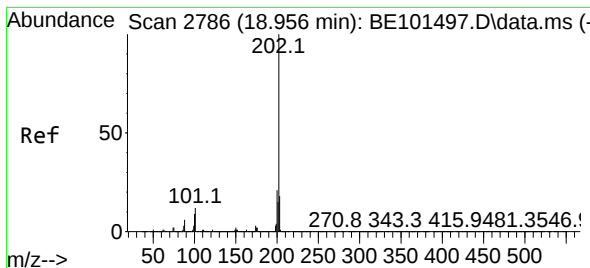
Ion Ratio Lower Upper

167 100

166 21.7 17.1 25.7

139 12.9 10.2 15.2





#75

Fluoranthene

Concen: 8.773 ng

RT: 18.951 min Scan# 21

Delta R.T. -0.005 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

Instrument :

BNA_E

ClientSampleId :

WC-WOOD-01-C

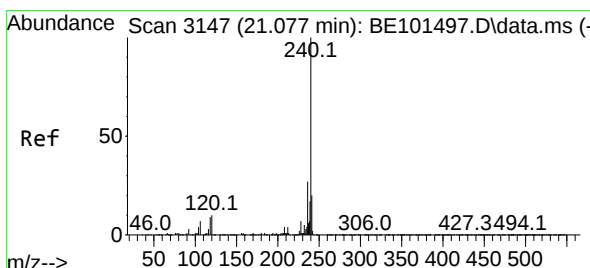
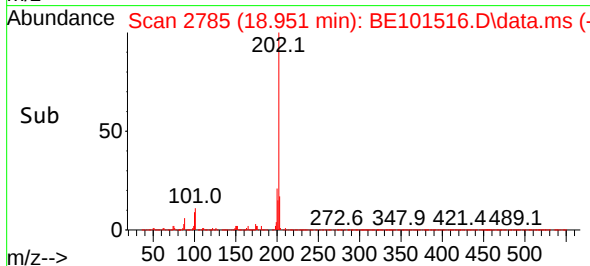
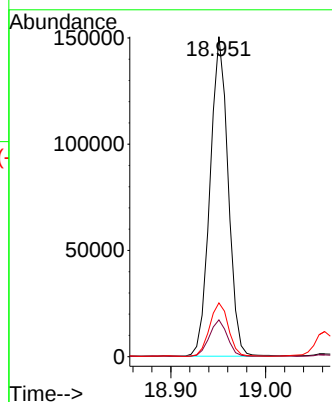
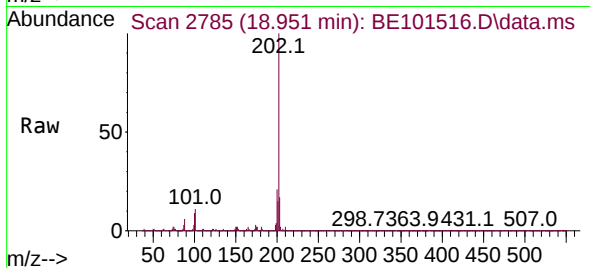
Tgt Ion:202 Resp: 199650

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.7

203 16.8 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.066 min Scan# 3145

Delta R.T. -0.011 min

Lab File: BE101516.D

Acq: 7 Nov 2024 3:38

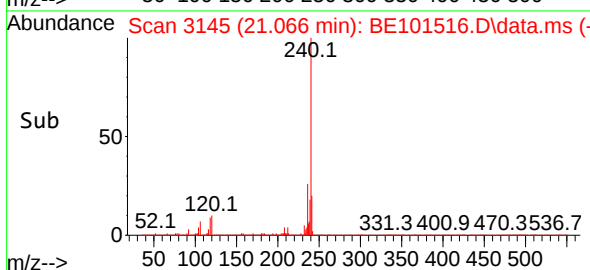
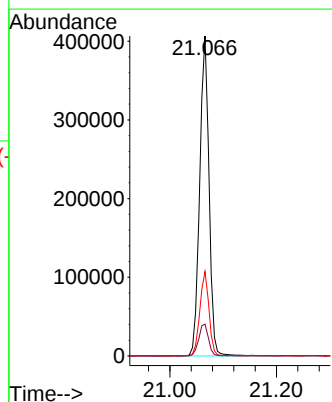
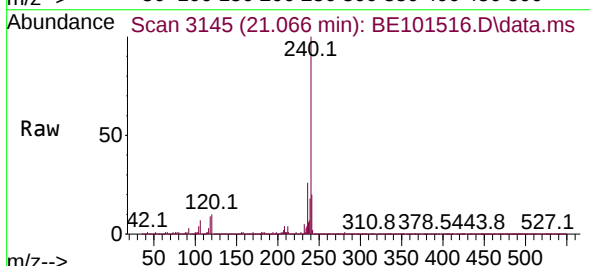
Tgt Ion:240 Resp: 491415

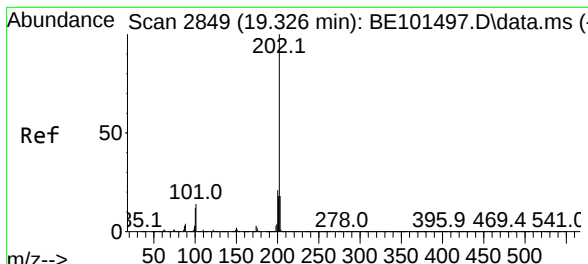
Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.4

236 26.4 21.4 32.2



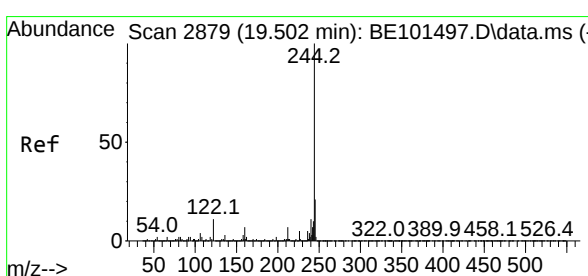
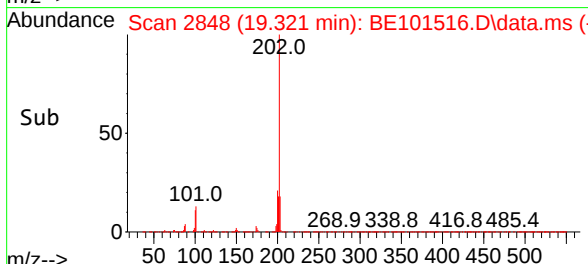
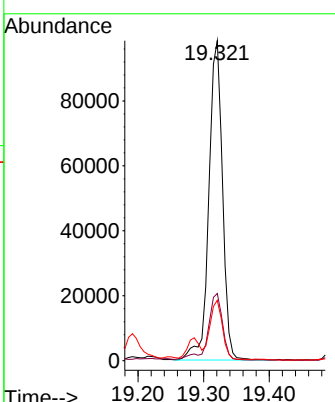
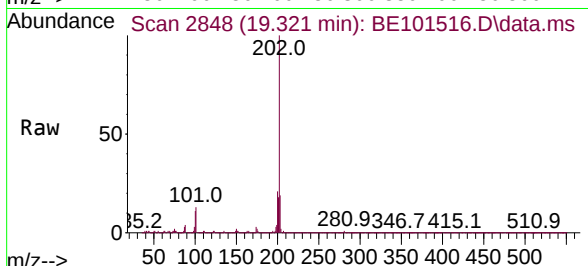


#78
 Pyrene
 Concen: 5.075 ng
 RT: 19.321 min Scan# 2848
 Delta R.T. -0.005 min
 Lab File: BE101516.D
 Acq: 7 Nov 2024 3:38

Instrument :
 BNA_E
 ClientSampleId :
 WC-WOOD-01-C

Tgt Ion: 202 Resp: 141902

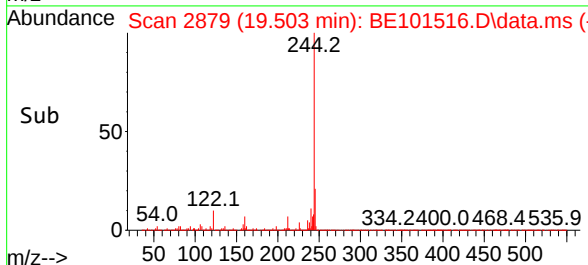
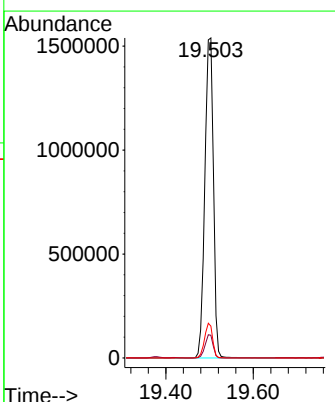
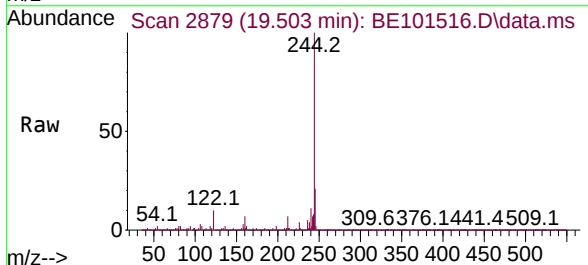
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	18.9	14.2	21.4

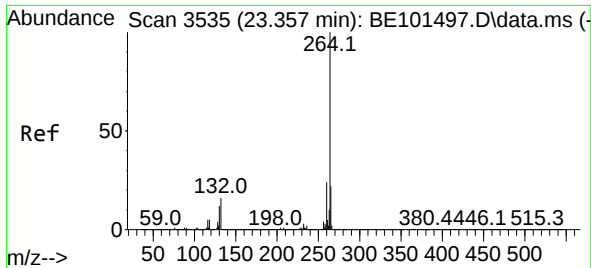


#79
 Terphenyl-d14
 Concen: 94.623 ng
 RT: 19.503 min Scan# 2879
 Delta R.T. 0.001 min
 Lab File: BE101516.D
 Acq: 7 Nov 2024 3:38

Tgt Ion: 244 Resp: 2100657

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	9.9	8.4	12.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.346 min Scan# 31
Delta R.T. -0.011 min
Lab File: BE101516.D
Acq: 7 Nov 2024 3:38

Instrument :
BNA_E
ClientSampleId :
WC-WOOD-01-C

Tgt Ion:264 Resp: 502658

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	21.6	17.4	26.2

