

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
 Data File : BE101587.D
 Acq On : 12 Nov 2024 22:14
 Operator : RC/JU
 Sample : P4722-08DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 WC-2(0-6)DL

Quant Time: Nov 13 00:18:22 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)

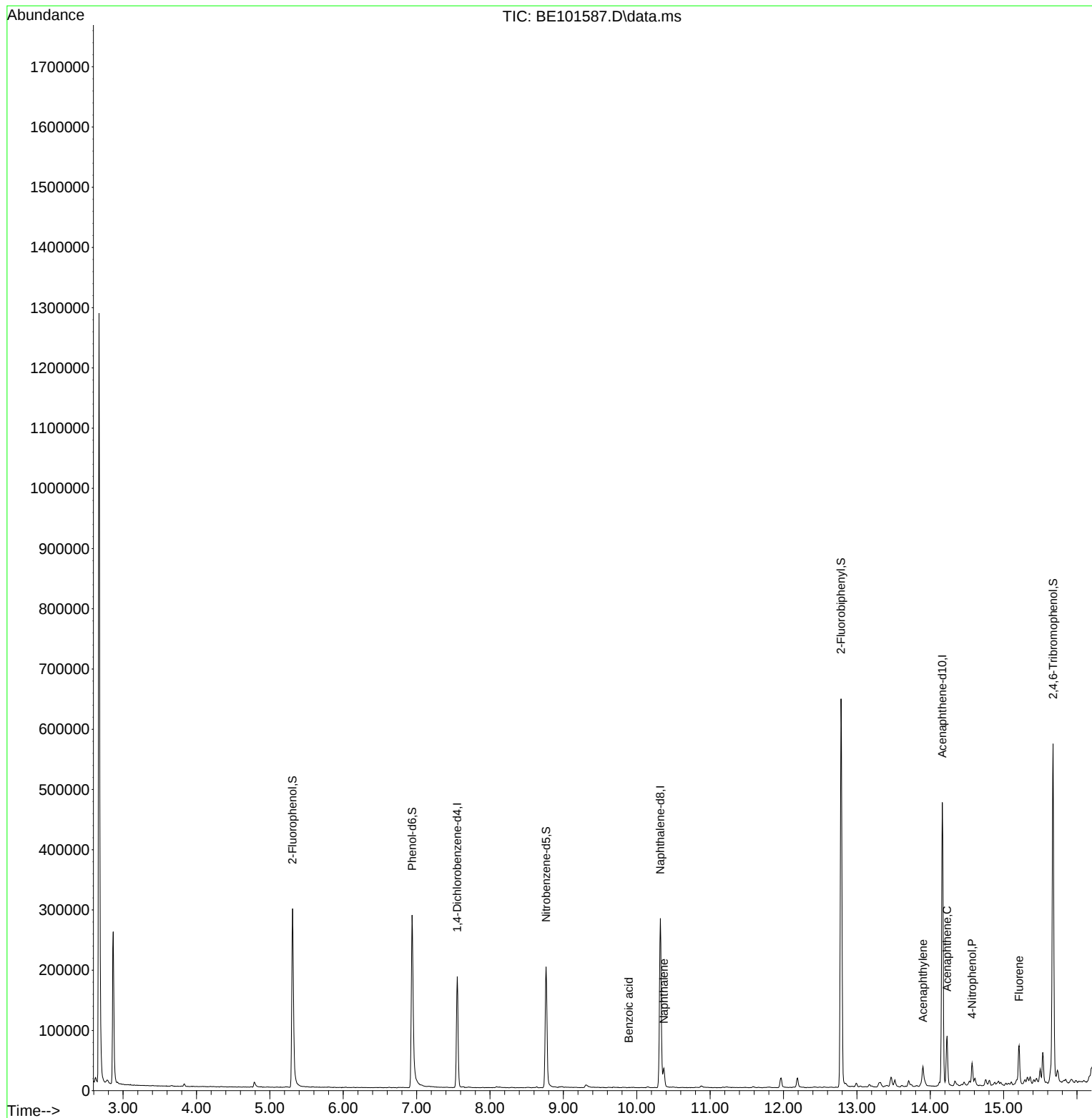
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.554	152	51821	20.000	ng	0.00
21) Naphthalene-d8	10.322	136	245161	20.000	ng	0.00
39) Acenaphthene-d10	14.164	164	168214	20.000	ng	0.00
64) Phenanthrene-d10	16.902	188	358727	20.000	ng	0.00
76) Chrysene-d12	21.068	240	362587	20.000	ng	0.00
86) Perylene-d12	23.353	264	466663	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	158923	54.226	ng	0.00
7) Phenol-d6	6.937	99	213942	53.242	ng	0.00
23) Nitrobenzene-d5	8.765	82	127245	32.784	ng	0.00
42) 2,4,6-Tribromophenol	15.674	330	137753	43.520	ng	0.00
45) 2-Fluorobiphenyl	12.783	172	355877	34.544	ng	-0.02
79) Terphenyl-d14	19.493	244	615043	37.548	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.368	128	25371	2.050	ng	98
32) Benzoic acid	9.893	122	15	6.839	ng	# 70
49) Acenaphthylene	13.900	152	32325	2.370	ng	99
52) Acenaphthene	14.229	154	29014	3.334	ng	98
56) 4-Nitrophenol	14.569	139	9628	4.344	ng	# 17
58) Fluorene	15.210	166	29783	2.546	ng	99
71) Phenanthrene	16.943	178	534906	30.658	ng	99
72) Anthracene	17.031	178	132407	7.685	ng	96
73) Carbazole	17.360	167	45772	2.649	ng	100
75) Fluoranthene	18.953	202	854737	38.209	ng	100
78) Pyrene	19.323	202	794993	38.534	ng	99
81) Benzo(a)anthracene	21.044	228	455100	21.134	ng	99
83) Chrysene	21.103	228	422633	20.648	ng	98
87) Indeno(1,2,3-cd)pyrene	25.668	276	387507	12.083	ng	95
88) Benzo(b)fluoranthene	22.642	252	557363	21.769	ng	98
89) Benzo(k)fluoranthene	22.642	252	557363	23.981	ng	99
90) Benzo(a)pyrene	23.242	252	488034	22.079	ng	99
91) Dibenzo(a,h)anthracene	25.645	278	105695	3.957	ng	92
92) Benzo(g,h,i)perylene	26.420	276	382221	14.086	ng	99

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

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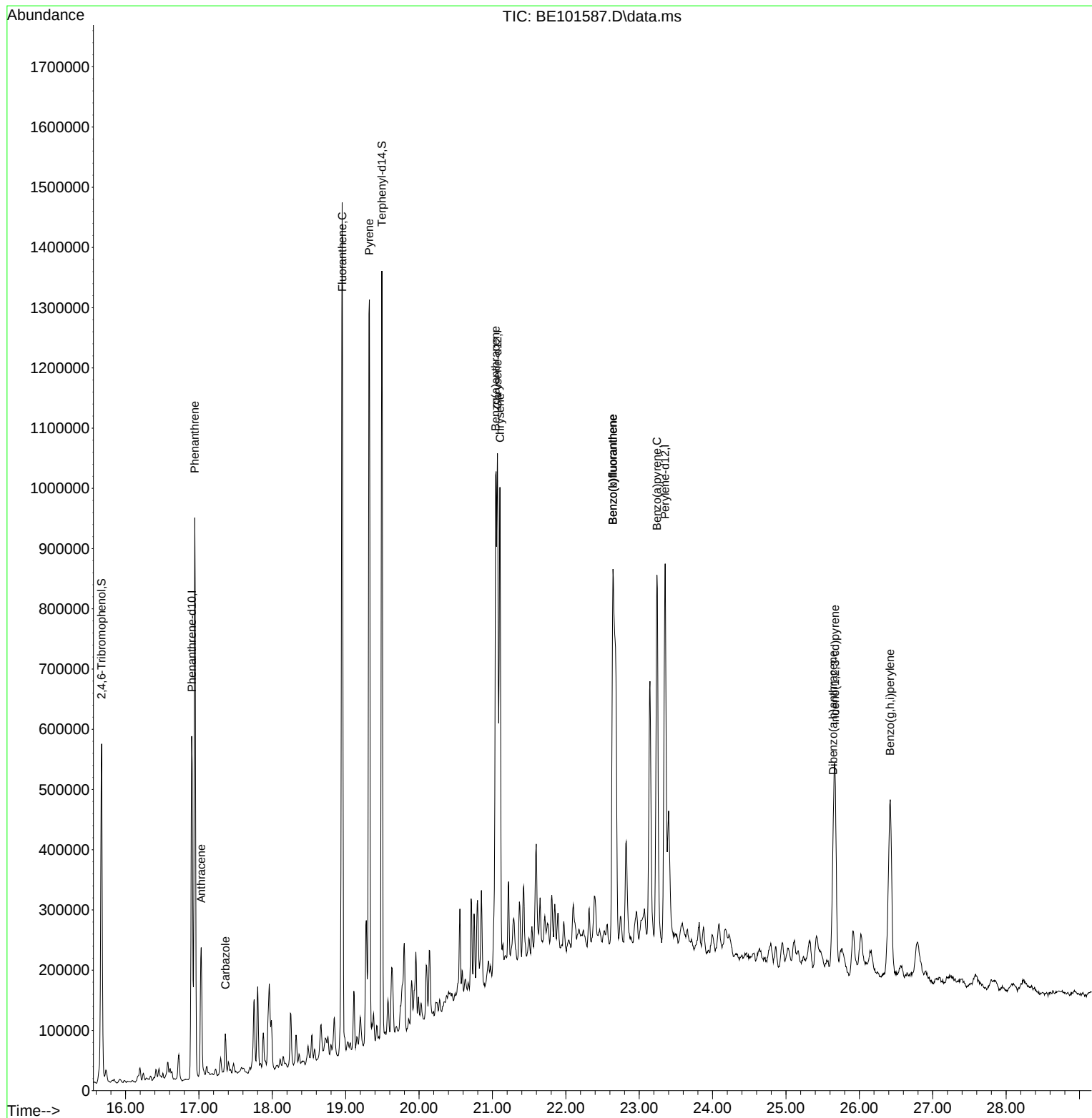
Quant Time: Nov 13 00:18:22 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

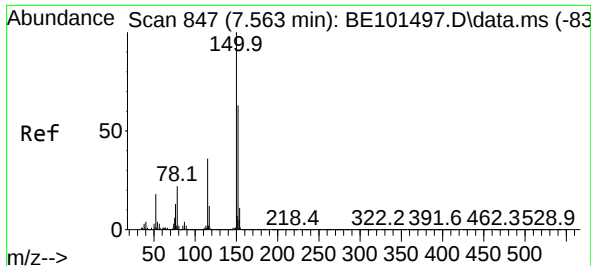


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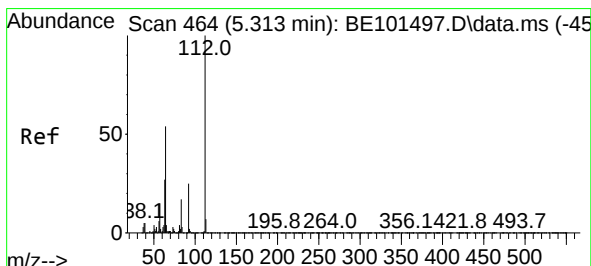
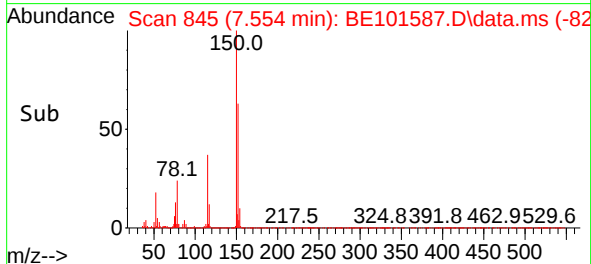
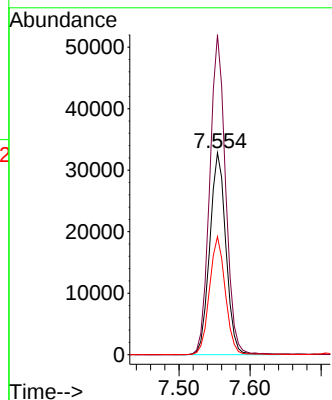
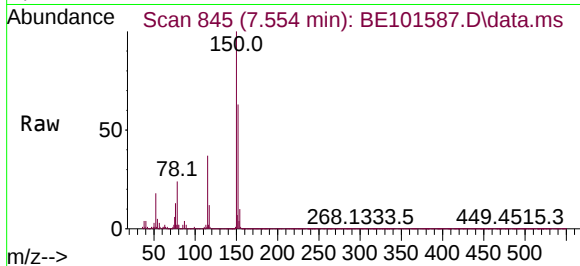




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.554 min Scan# 84
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

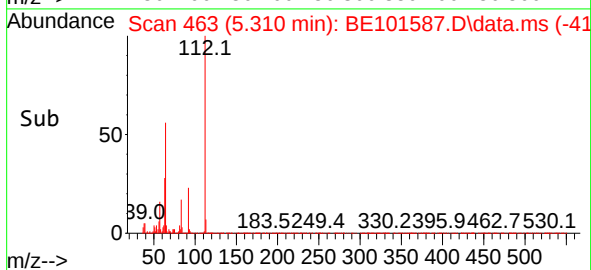
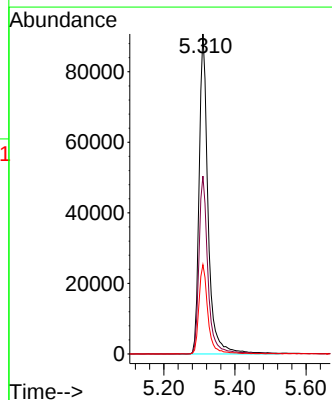
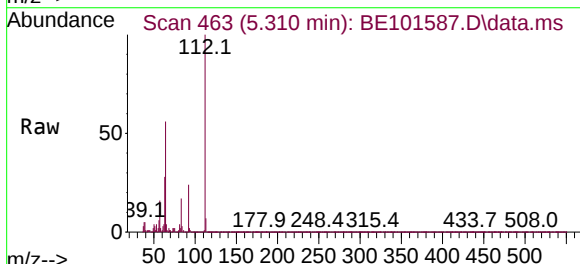
Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)DL

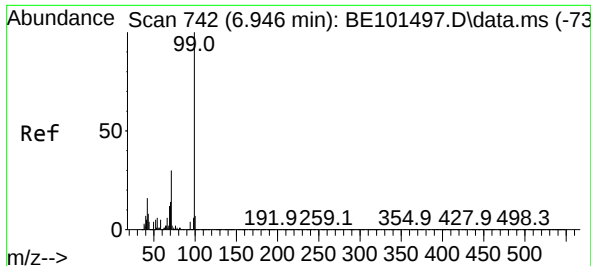
Tgt Ion:152 Resp: 51821
Ion Ratio Lower Upper
152 100
150 158.5 126.3 189.5
115 58.5 45.0 67.4



#5
2-Fluorophenol
Concen: 54.226 ng
RT: 5.310 min Scan# 463
Delta R.T. -0.003 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion:112 Resp: 158923
Ion Ratio Lower Upper
112 100
64 55.6 43.2 64.8
63 27.9 21.8 32.6

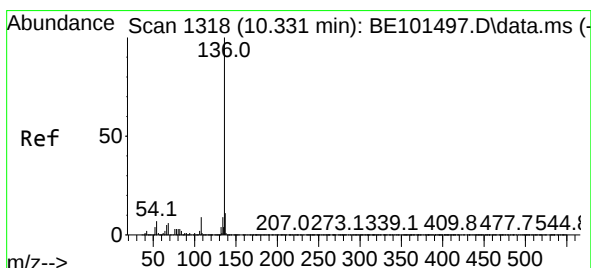
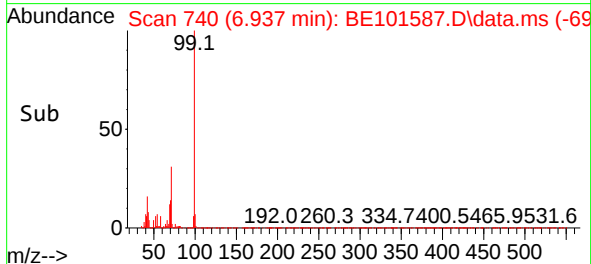
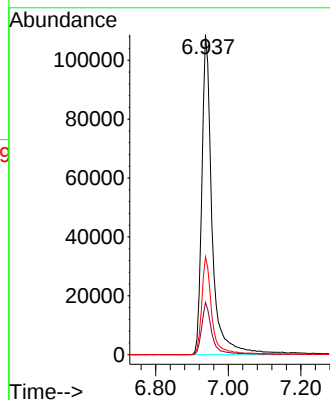
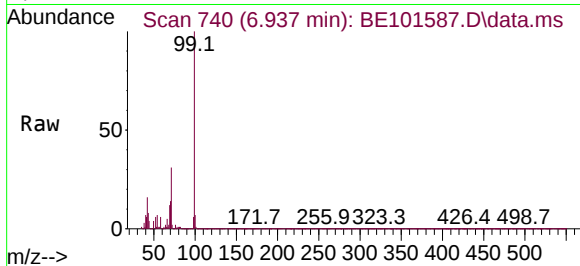




#7
Phenol-d6
Concen: 53.242 ng
RT: 6.937 min Scan# 741
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

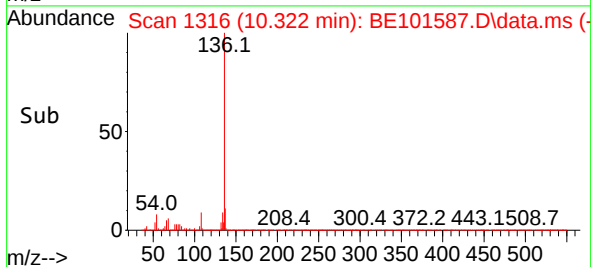
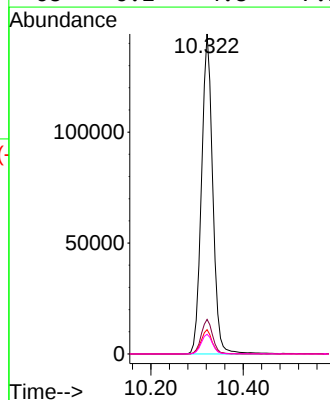
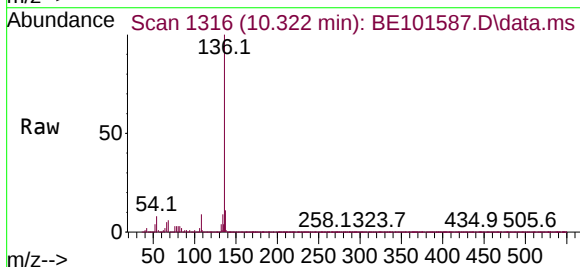
Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)DL

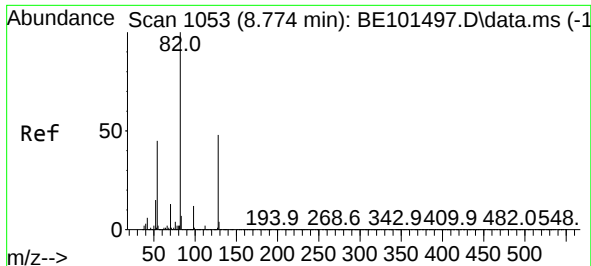
Tgt Ion: 99 Resp: 213942
Ion Ratio Lower Upper
99 100
42 16.3 12.5 18.7
71 30.6 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.322 min Scan# 1316
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion: 136 Resp: 245161
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.6 5.6 8.4
68 6.2 4.8 7.2

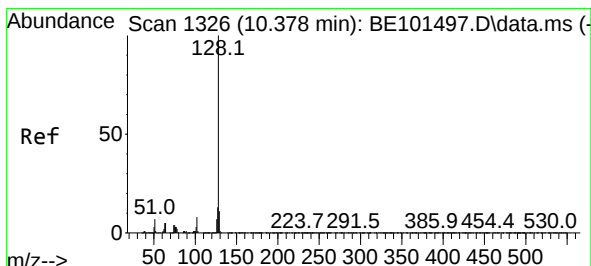
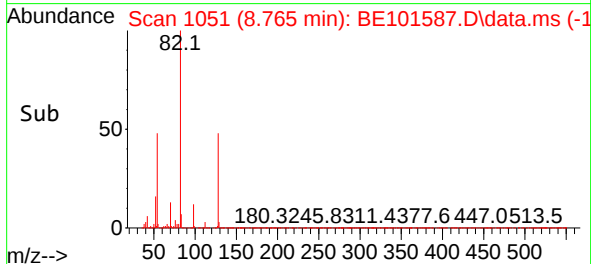
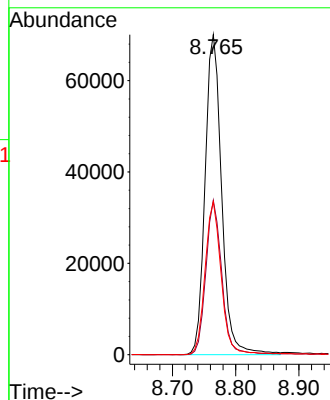
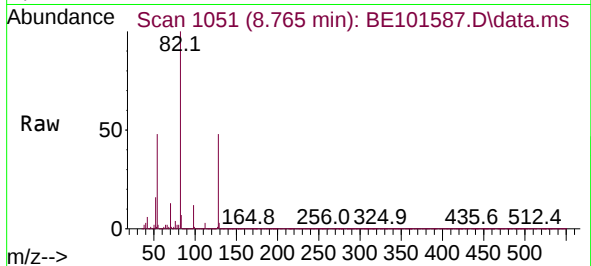




#23
Nitrobenzene-d5
Concen: 32.784 ng
RT: 8.765 min Scan# 1051
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

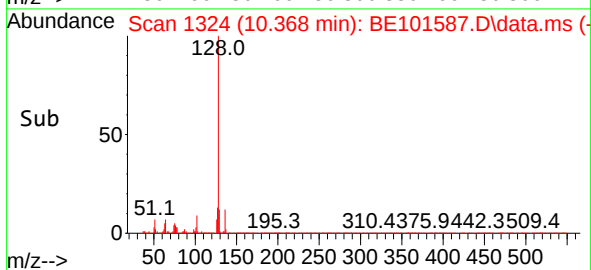
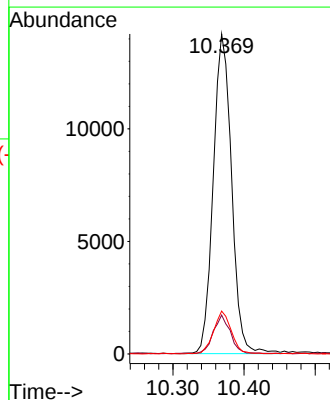
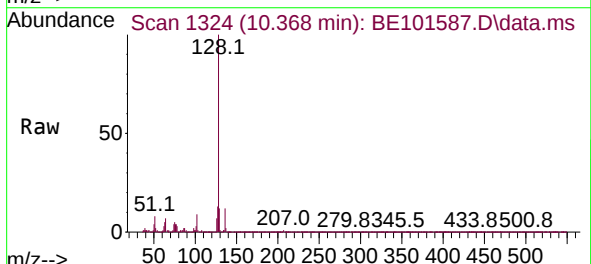
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WC-2(0-6)DL

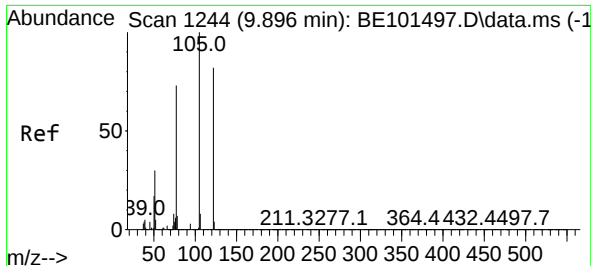
Tgt Ion: 82 Resp: 127245
Ion Ratio Lower Upper
82 100
128 48.2 38.6 58.0
54 47.8 36.3 54.5



#31
Naphthalene
Concen: 2.050 ng
RT: 10.368 min Scan# 1324
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion: 128 Resp: 25371
Ion Ratio Lower Upper
128 100
129 12.2 8.9 13.3
127 13.4 10.3 15.5

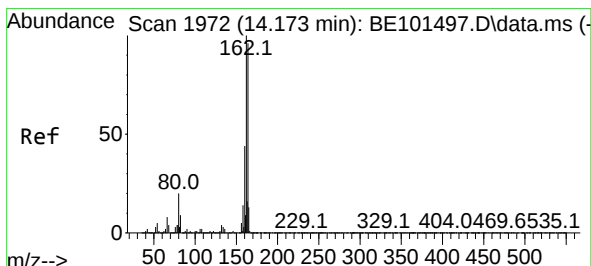
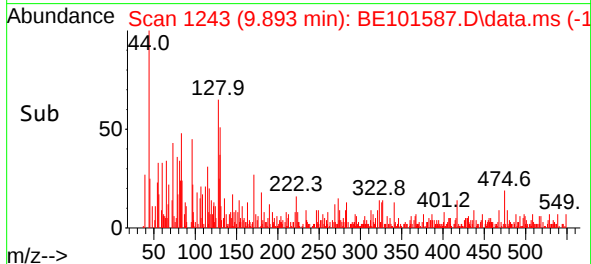
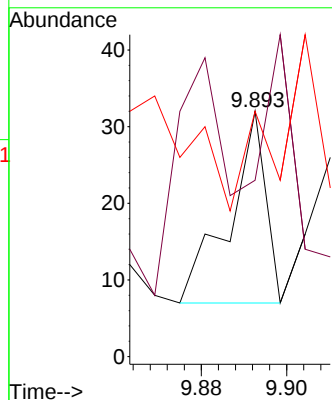
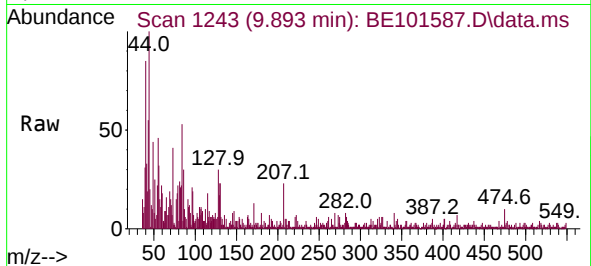




#32
Benzoic acid
Concen: 6.839 ng
RT: 9.893 min Scan# 11
Delta R.T. -0.003 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

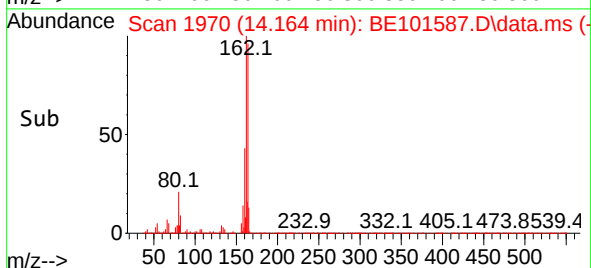
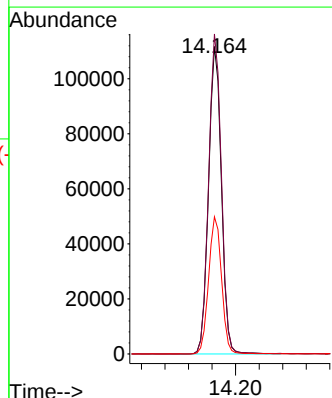
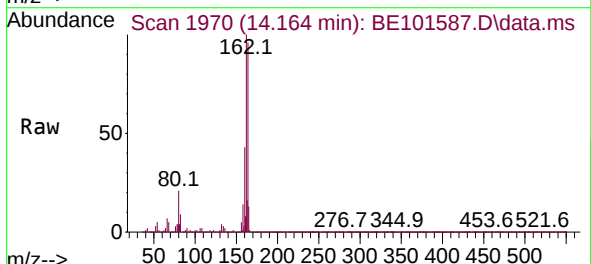
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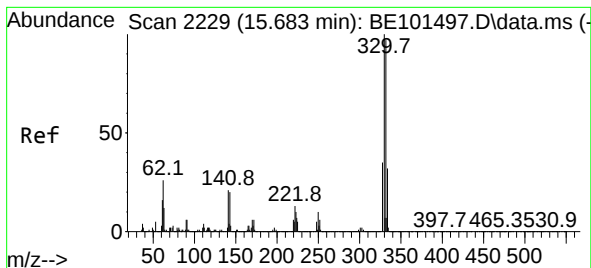
Tgt Ion:122 Resp: 15
Ion Ratio Lower Upper
122 100
105 71.9 100.6 140.6#
77 100.0 68.6 108.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.164 min Scan# 1970
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion:164 Resp: 168214
Ion Ratio Lower Upper
164 100
162 104.1 83.7 125.5
160 44.6 37.1 55.7

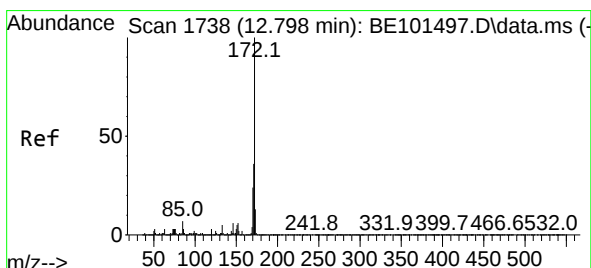
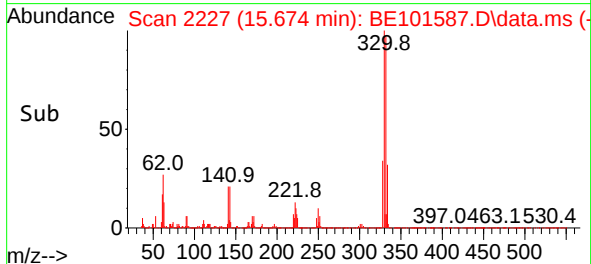
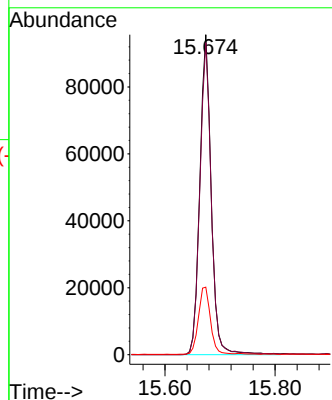
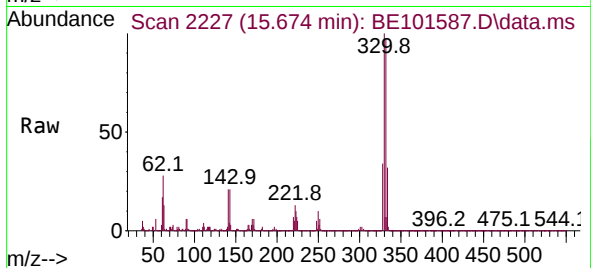




#42
 2,4,6-Tribromophenol
 Concen: 43.520 ng
 RT: 15.674 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BE101587.D
 Acq: 12 Nov 2024 22:14

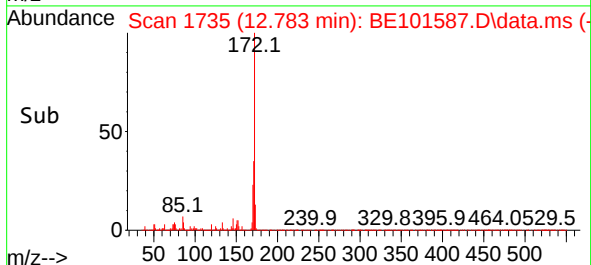
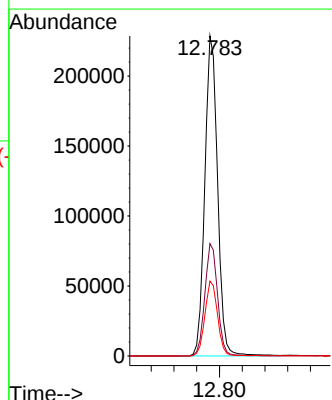
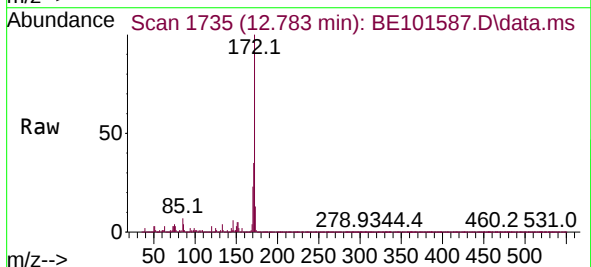
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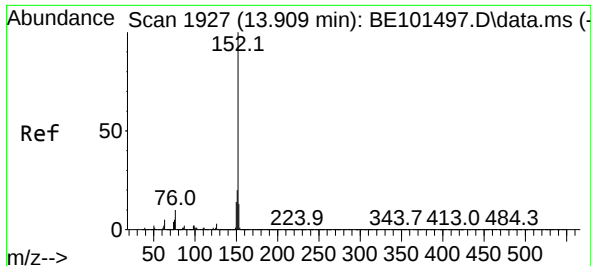
Tgt Ion:330 Resp: 137753
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.7 116.5
 141 22.1 17.0 25.4



#45
 2-Fluorobiphenyl
 Concen: 34.544 ng
 RT: 12.783 min Scan# 1735
 Delta R.T. -0.015 min
 Lab File: BE101587.D
 Acq: 12 Nov 2024 22:14

Tgt Ion:172 Resp: 355877
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 43.0
 170 23.4 18.9 28.3

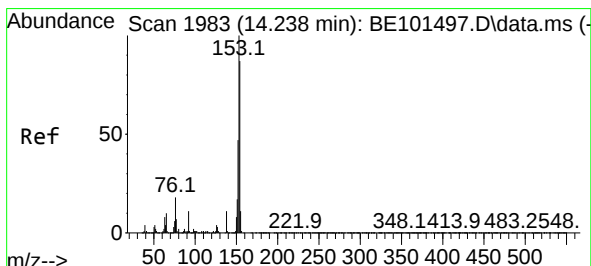
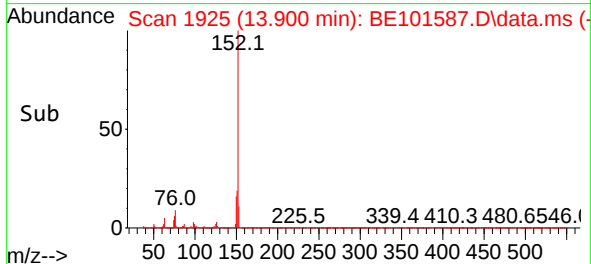
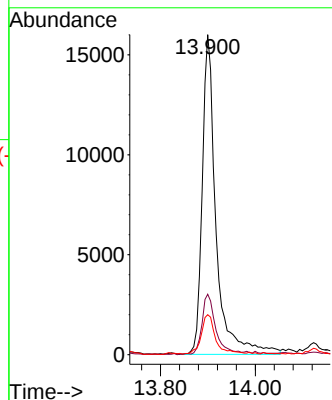
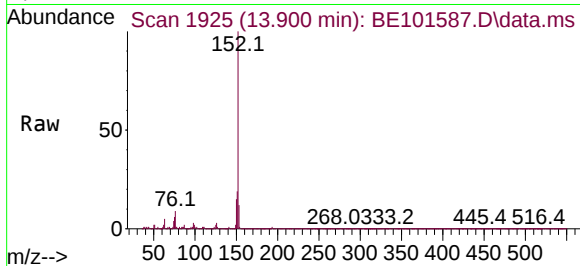




#49
Acenaphthylene
Concen: 2.370 ng
RT: 13.900 min Scan# 1925
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

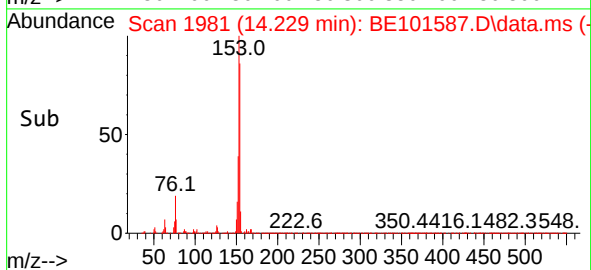
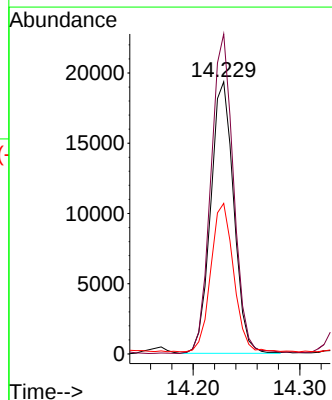
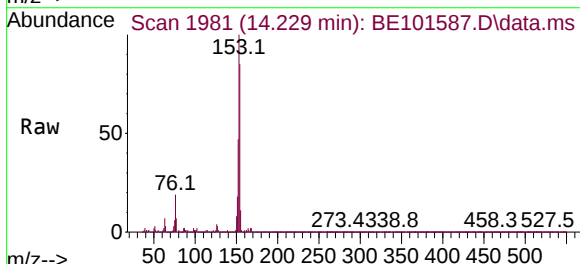
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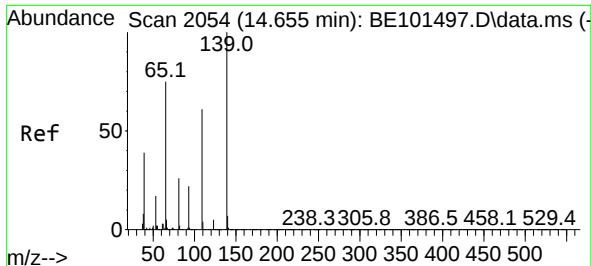
Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.6	23.4
153	12.5	10.3	15.5



#52
Acenaphthene
Concen: 3.334 ng
RT: 14.229 min Scan# 1981
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.6	92.3	138.5
152	55.3	43.6	65.4

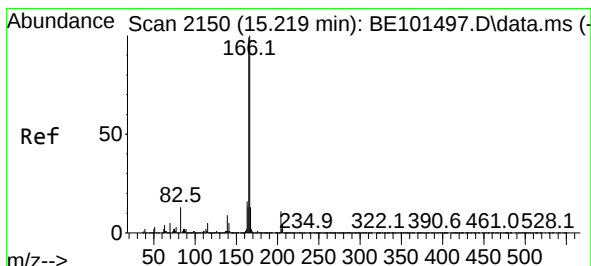
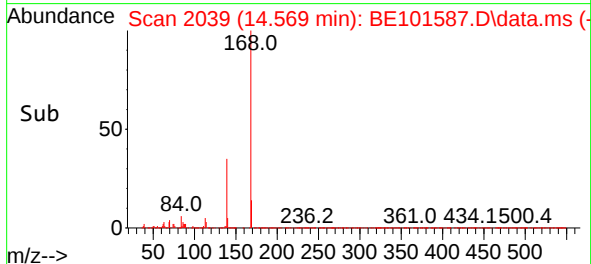
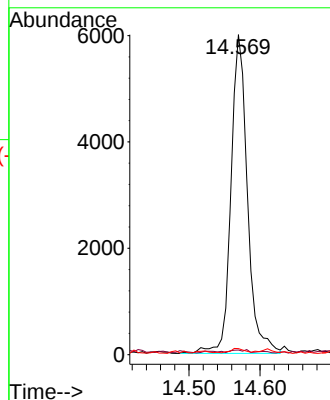
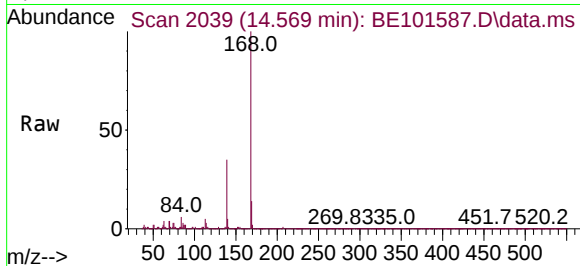




#56
4-Nitrophenol
Concen: 4.344 ng
RT: 14.569 min Scan# 2054
Delta R.T. -0.085 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

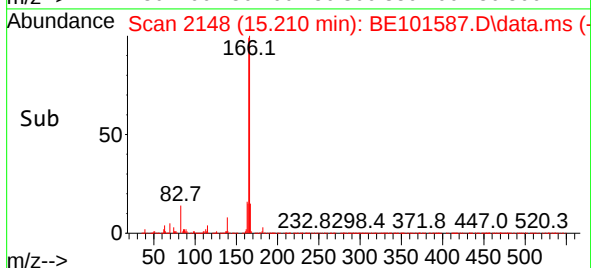
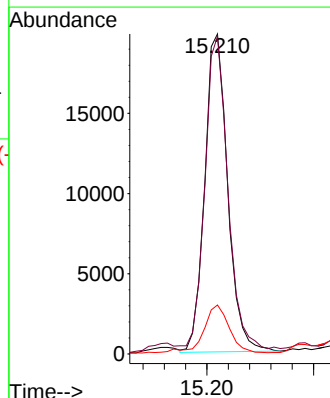
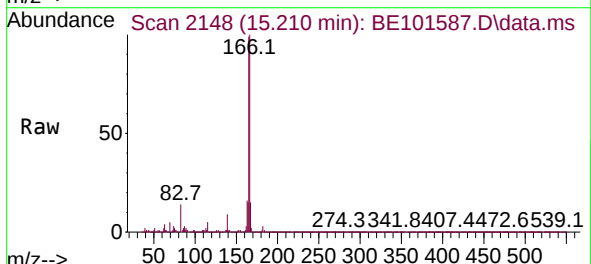
Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)DL

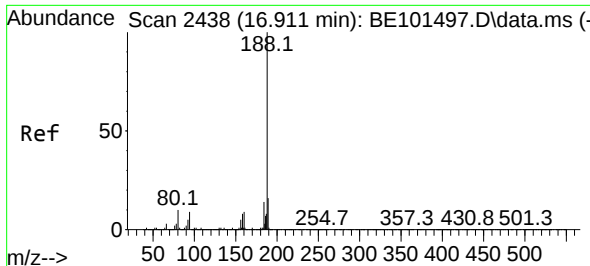
Tgt Ion:139 Resp: 9628
Ion Ratio Lower Upper
139 100
109 1.4 40.7 80.7#
65 1.9 58.0 98.0#



#58
Fluorene
Concen: 2.546 ng
RT: 15.210 min Scan# 2148
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion:166 Resp: 29783
Ion Ratio Lower Upper
166 100
165 99.3 79.0 118.4
167 15.3 10.6 16.0

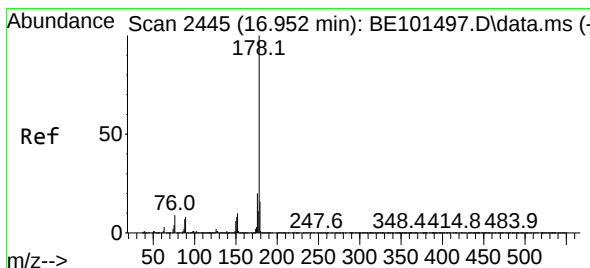
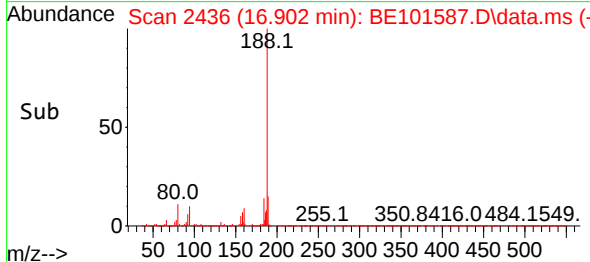
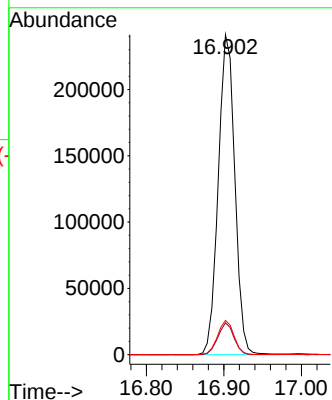
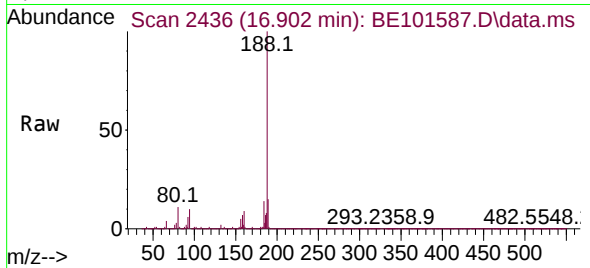




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.902 min Scan# 2436
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

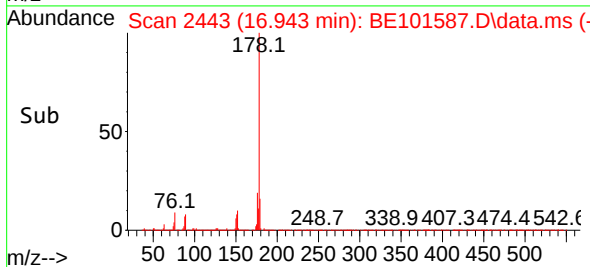
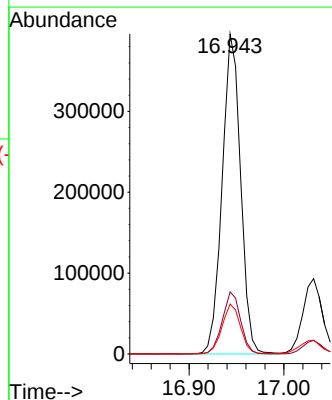
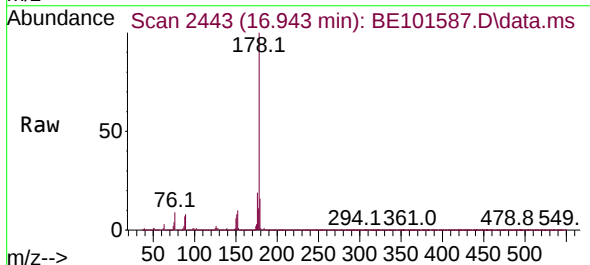
Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)DL

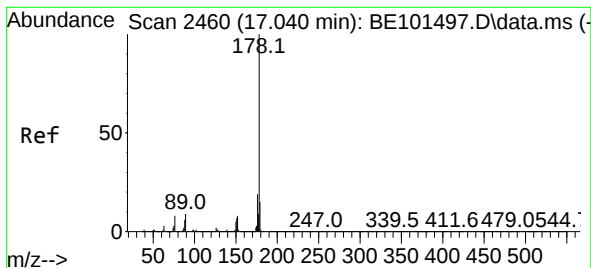
Tgt Ion:188 Resp: 358727
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.2
80 10.7 8.0 12.0



#71
Phenanthrene
Concen: 30.658 ng
RT: 16.943 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion:178 Resp: 534906
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.6 12.6 19.0





#72

Anthracene

Concen: 7.685 ng

RT: 17.031 min Scan# 2460

Delta R.T. -0.009 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

Instrument :

BNA_E

ClientSampleId :

WC-2(0-6)DL

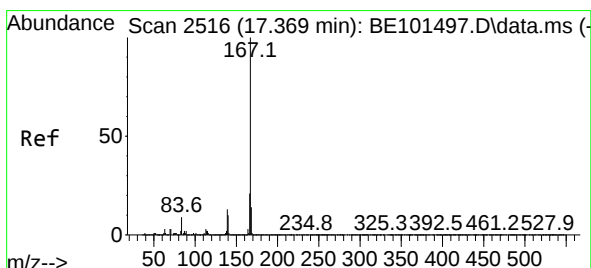
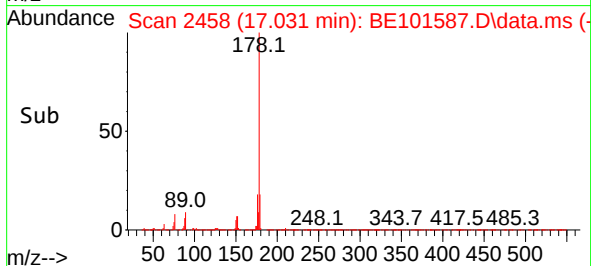
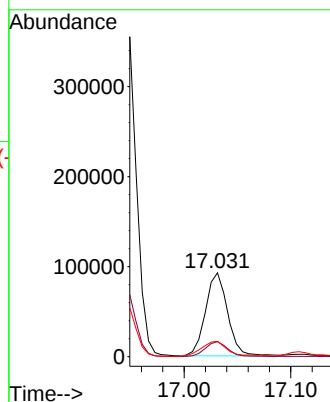
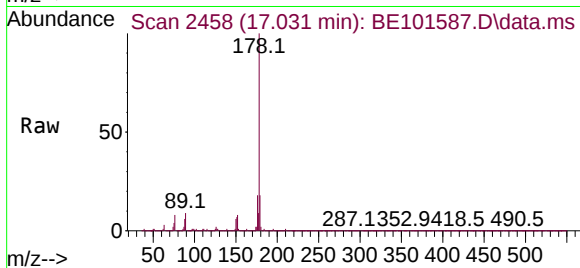
Tgt Ion:178 Resp: 132407

Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

179 18.2 12.4 18.6



#73

Carbazole

Concen: 2.649 ng

RT: 17.360 min Scan# 2514

Delta R.T. -0.009 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

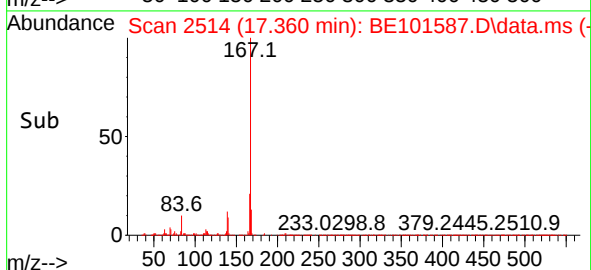
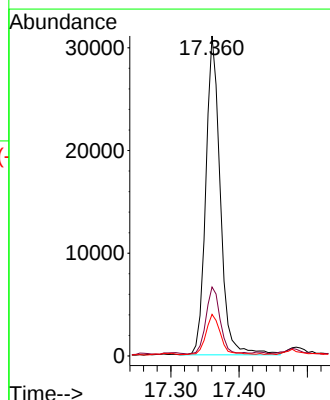
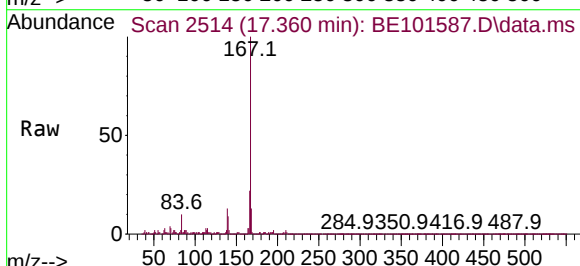
Tgt Ion:167 Resp: 45772

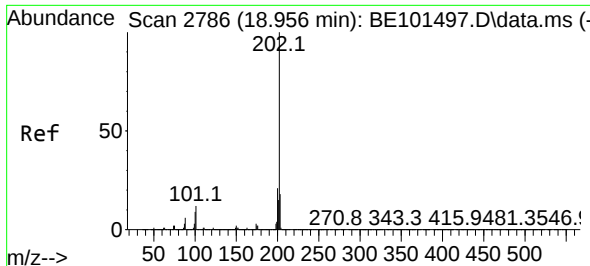
Ion Ratio Lower Upper

167 100

166 21.5 17.1 25.7

139 13.0 10.2 15.2

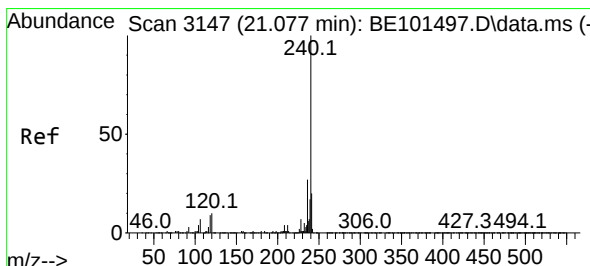
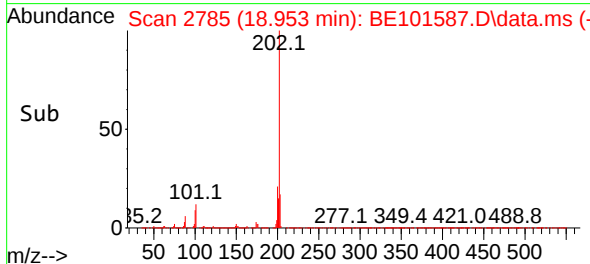
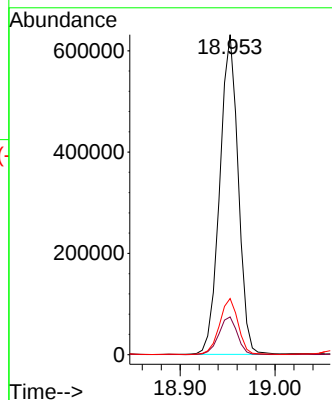
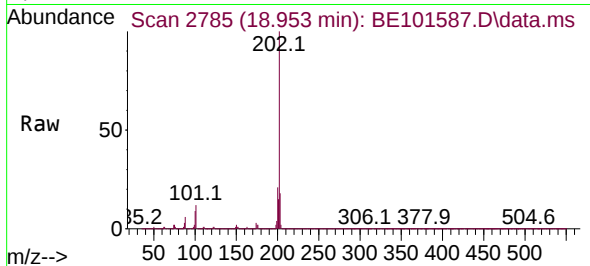




#75
Fluoranthene
Concen: 38.209 ng
RT: 18.953 min Scan# 21
Delta R.T. -0.003 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

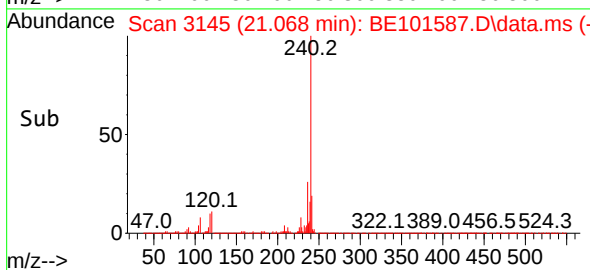
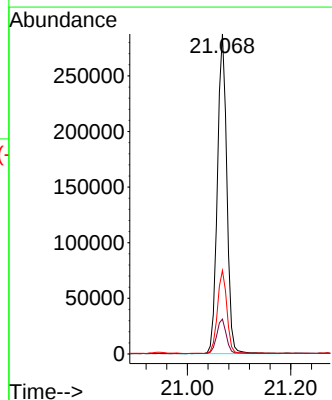
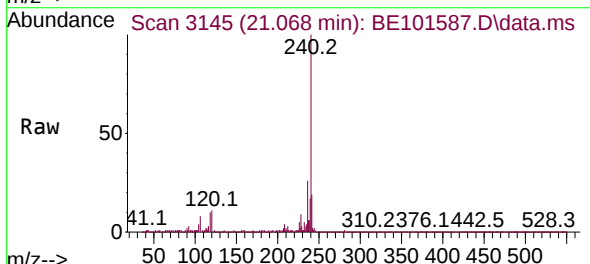
Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)DL

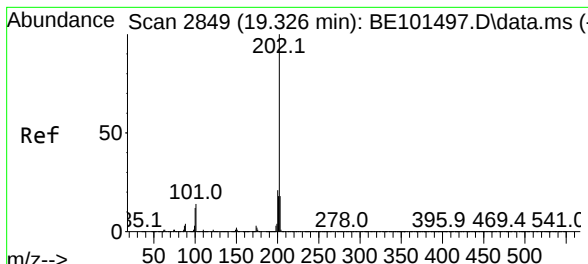
Tgt Ion:202 Resp: 854737
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.068 min Scan# 3145
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion:240 Resp: 362587
Ion Ratio Lower Upper
240 100
120 10.9 8.2 12.4
236 26.1 21.4 32.2



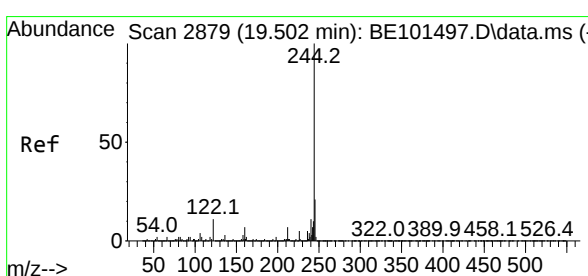
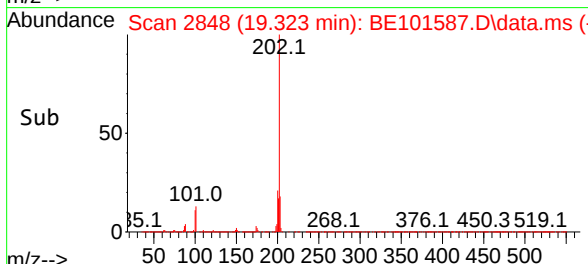
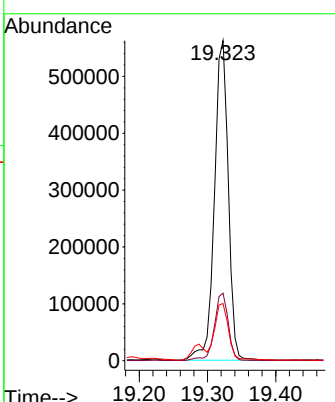
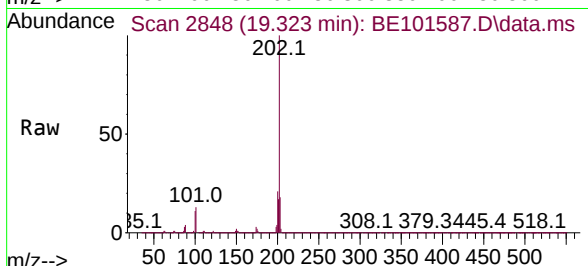


#78
 Pyrene
 Concen: 38.534 ng
 RT: 19.323 min Scan# 2848
 Delta R.T. -0.003 min
 Lab File: BE101587.D
 Acq: 12 Nov 2024 22:14

Instrument :
 BNA_E
 ClientSampleId :
 WC-2(0-6)DL

Tgt Ion: 202 Resp: 794993

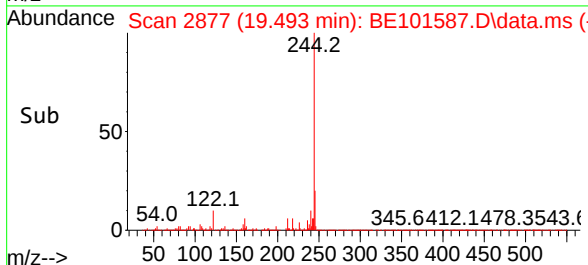
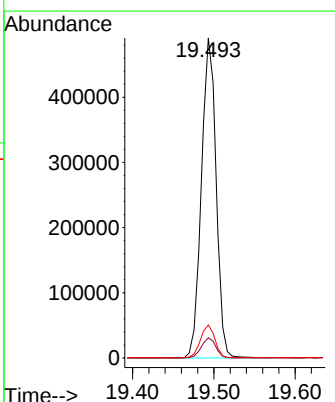
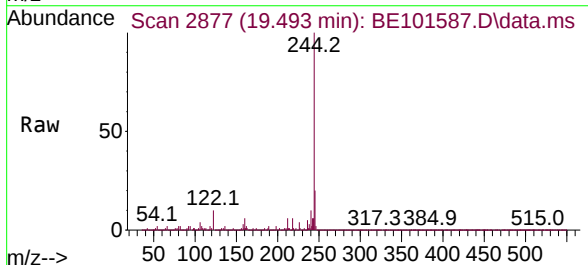
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.9	14.2	21.4

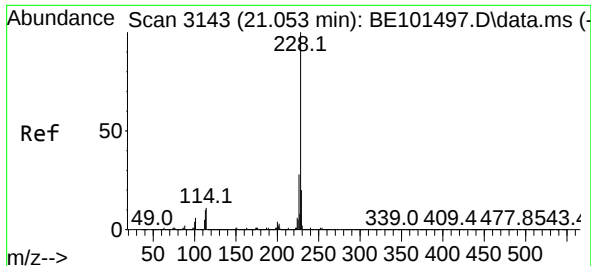


#79
 Terphenyl-d14
 Concen: 37.548 ng
 RT: 19.493 min Scan# 2877
 Delta R.T. -0.009 min
 Lab File: BE101587.D
 Acq: 12 Nov 2024 22:14

Tgt Ion: 244 Resp: 615043

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.8
122	10.3	8.4	12.6

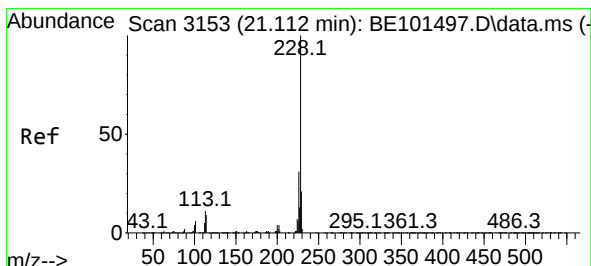
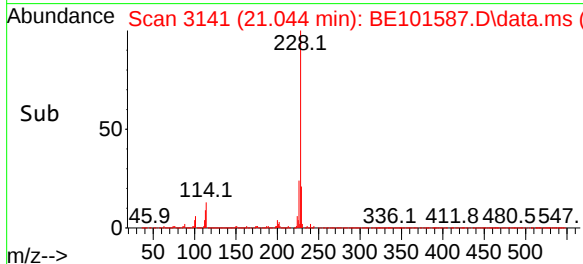
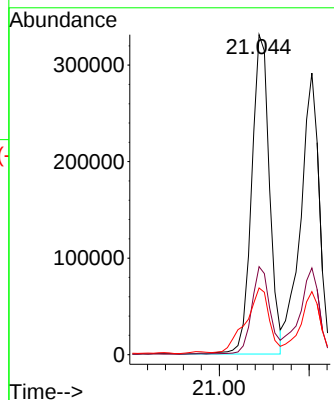
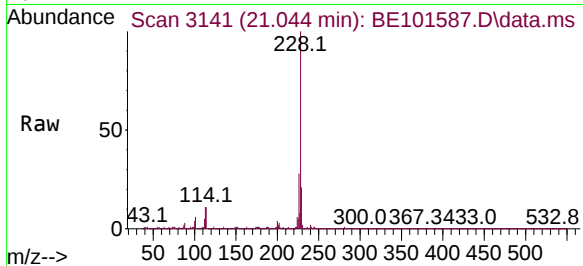




#81
Benzo(a)anthracene
Concen: 21.134 ng
RT: 21.044 min Scan# 3141
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

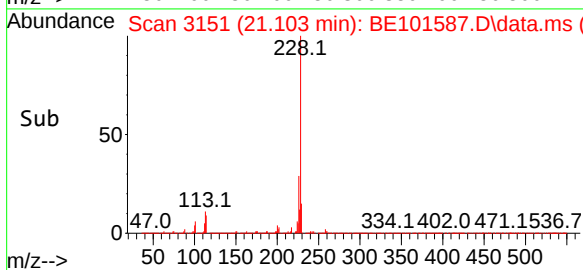
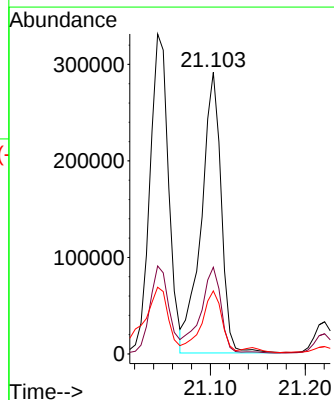
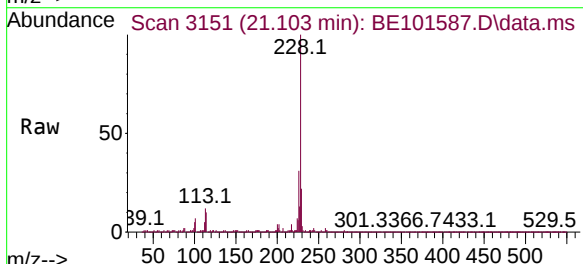
Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)DL

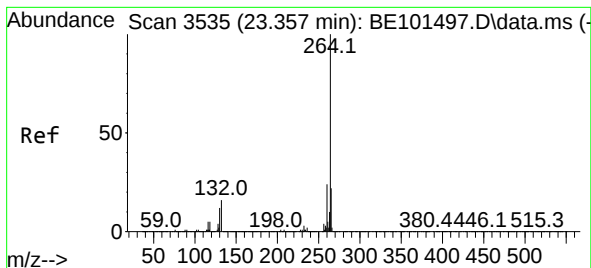
Tgt Ion:228 Resp: 455100
Ion Ratio Lower Upper
228 100
226 27.5 22.4 33.6
229 20.9 16.1 24.1



#83
Chrysene
Concen: 20.648 ng
RT: 21.103 min Scan# 3151
Delta R.T. -0.009 min
Lab File: BE101587.D
Acq: 12 Nov 2024 22:14

Tgt Ion:228 Resp: 422633
Ion Ratio Lower Upper
228 100
226 30.8 25.1 37.7
229 22.4 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.353 min Scan# 31

Delta R.T. -0.003 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

Instrument :

BNA_E

ClientSampleId :

WC-2(0-6)DL

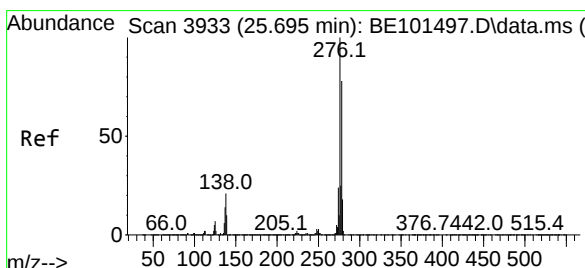
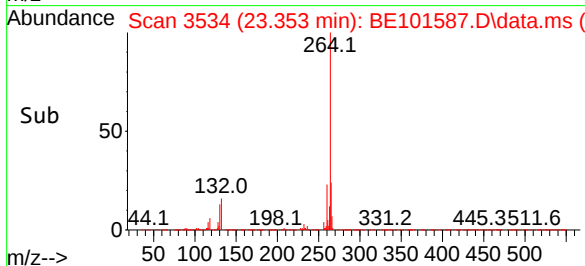
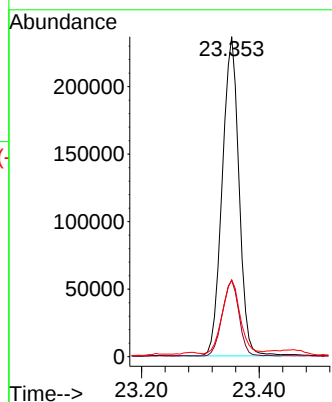
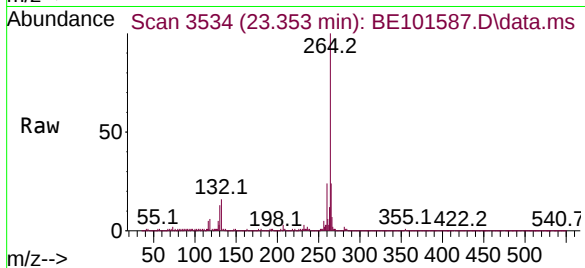
Tgt Ion:264 Resp: 466663

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 24.0 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.083 ng

RT: 25.668 min Scan# 3928

Delta R.T. -0.027 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

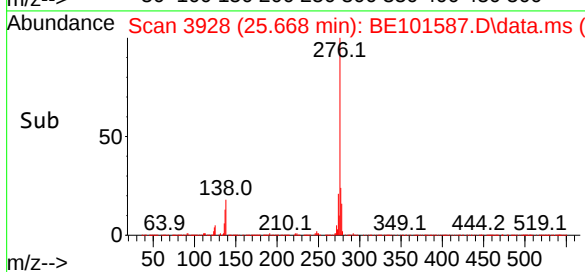
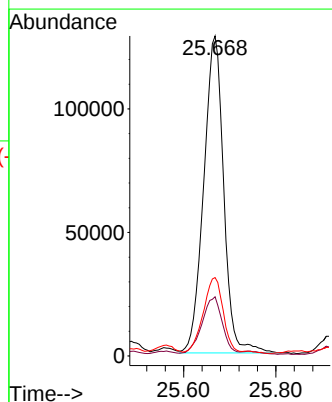
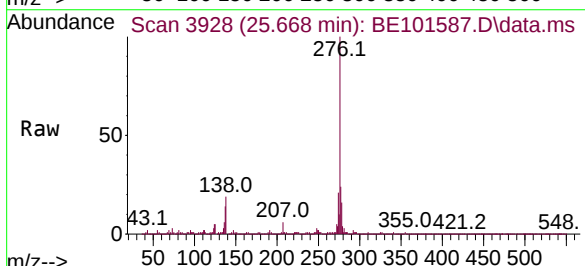
Tgt Ion:276 Resp: 387507

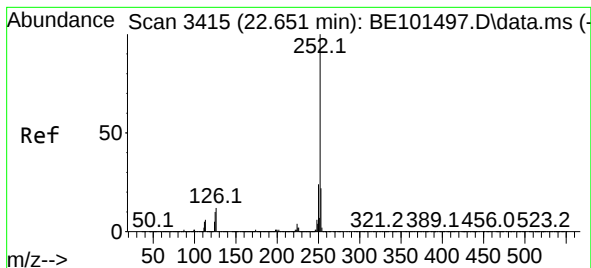
Ion Ratio Lower Upper

276 100

138 18.3 17.0 25.6

277 23.0 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 21.769 ng

RT: 22.642 min Scan# 3413

Delta R.T. -0.009 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

Instrument :

BNA_E

ClientSampleId :

WC-2(0-6)DL

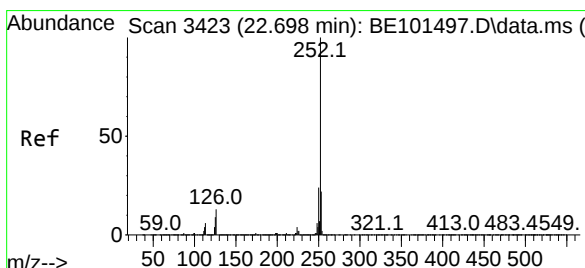
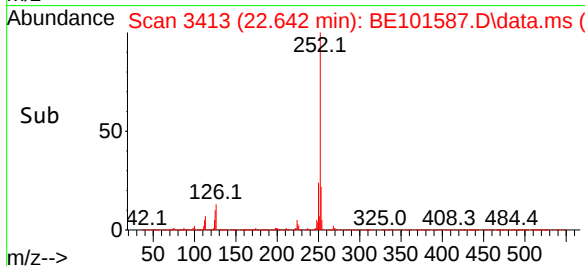
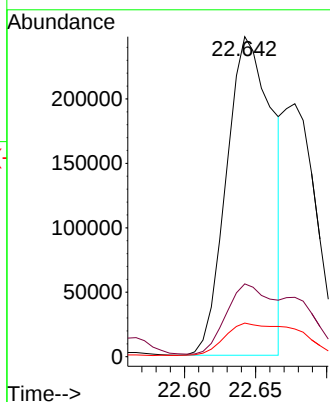
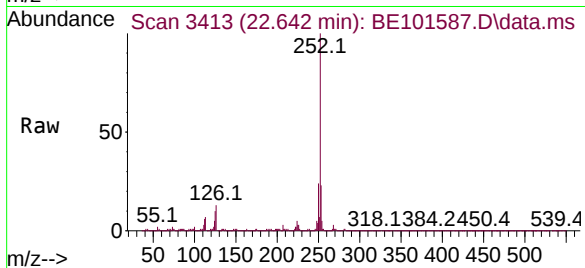
Tgt Ion:252 Resp: 557363

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 10.5 7.8 11.8



#89

Benzo(k)fluoranthene

Concen: 23.981 ng

RT: 22.642 min Scan# 3413

Delta R.T. -0.056 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

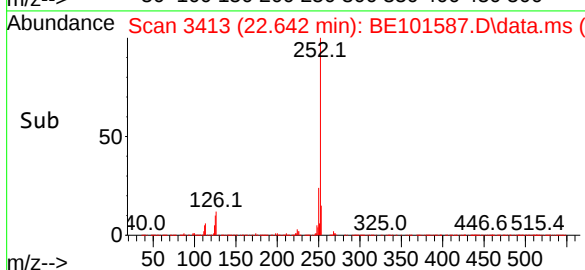
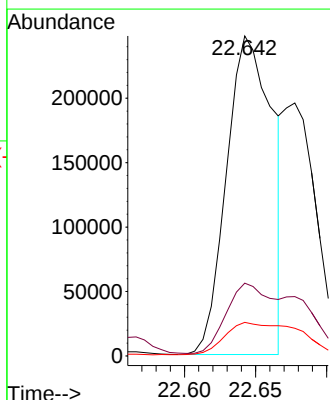
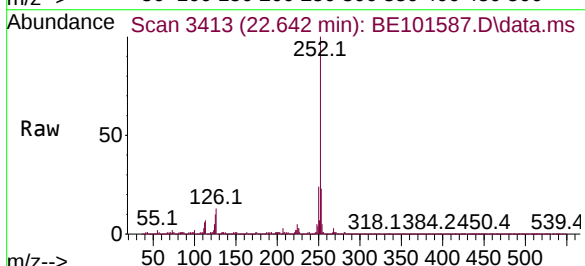
Tgt Ion:252 Resp: 557363

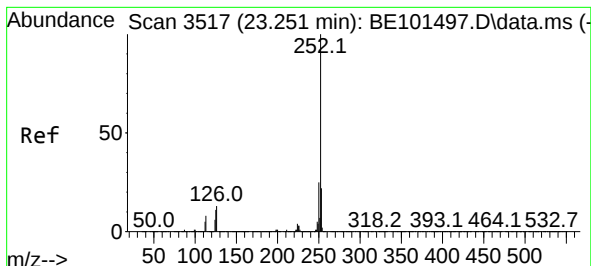
Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 10.5 7.7 11.5





#90

Benzo(a)pyrene

Concen: 22.079 ng

RT: 23.242 min Scan# 31

Delta R.T. -0.009 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

Instrument :

BNA_E

ClientSampleId :

WC-2(0-6)DL

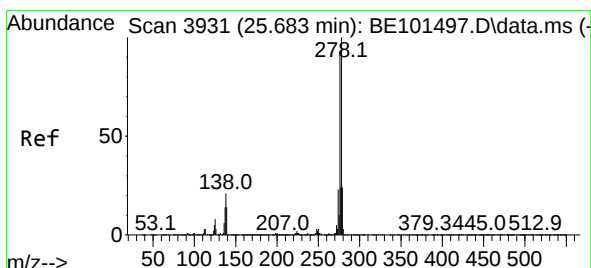
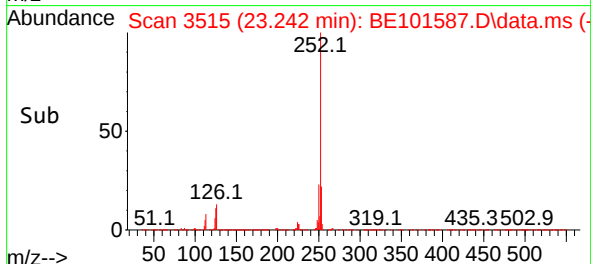
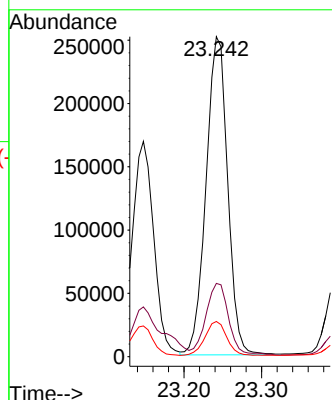
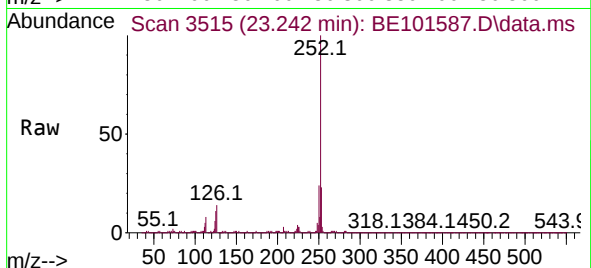
Tgt Ion:252 Resp: 488034

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 11.0 8.6 13.0



#91

Dibenzo(a,h)anthracene

Concen: 3.957 ng

RT: 25.645 min Scan# 3924

Delta R.T. -0.038 min

Lab File: BE101587.D

Acq: 12 Nov 2024 22:14

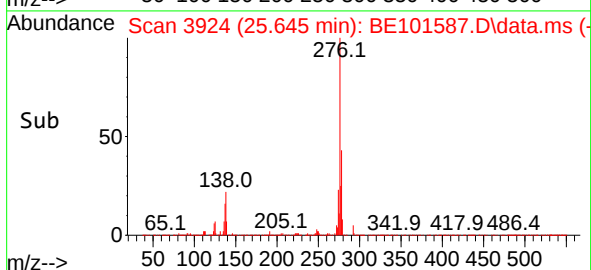
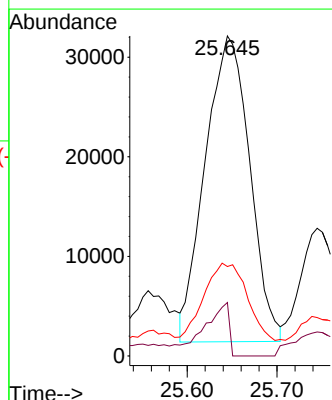
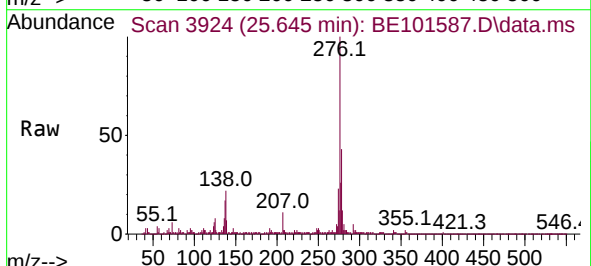
Tgt Ion:278 Resp: 105695

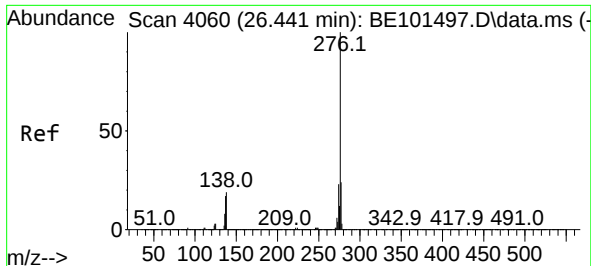
Ion Ratio Lower Upper

278 100

139 16.7 11.2 16.8

279 28.0 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 14.086 ng
 RT: 26.420 min Scan# 4056
 Delta R.T. -0.021 min
 Lab File: BE101587.D
 Acq: 12 Nov 2024 22:14

Instrument :
 BNA_E
 ClientSampleId :
 WC-2(0-6)DL

Tgt Ion:276 Resp: 382221
 Ion Ratio Lower Upper
 276 100
 277 25.2 19.5 29.3
 138 19.7 15.3 22.9

