

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
 Data File : BE101590.D
 Acq On : 12 Nov 2024 23:58
 Operator : RC/JU
 Sample : P4795-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LAW-23-00189

Quant Time: Nov 13 01:00:09 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)

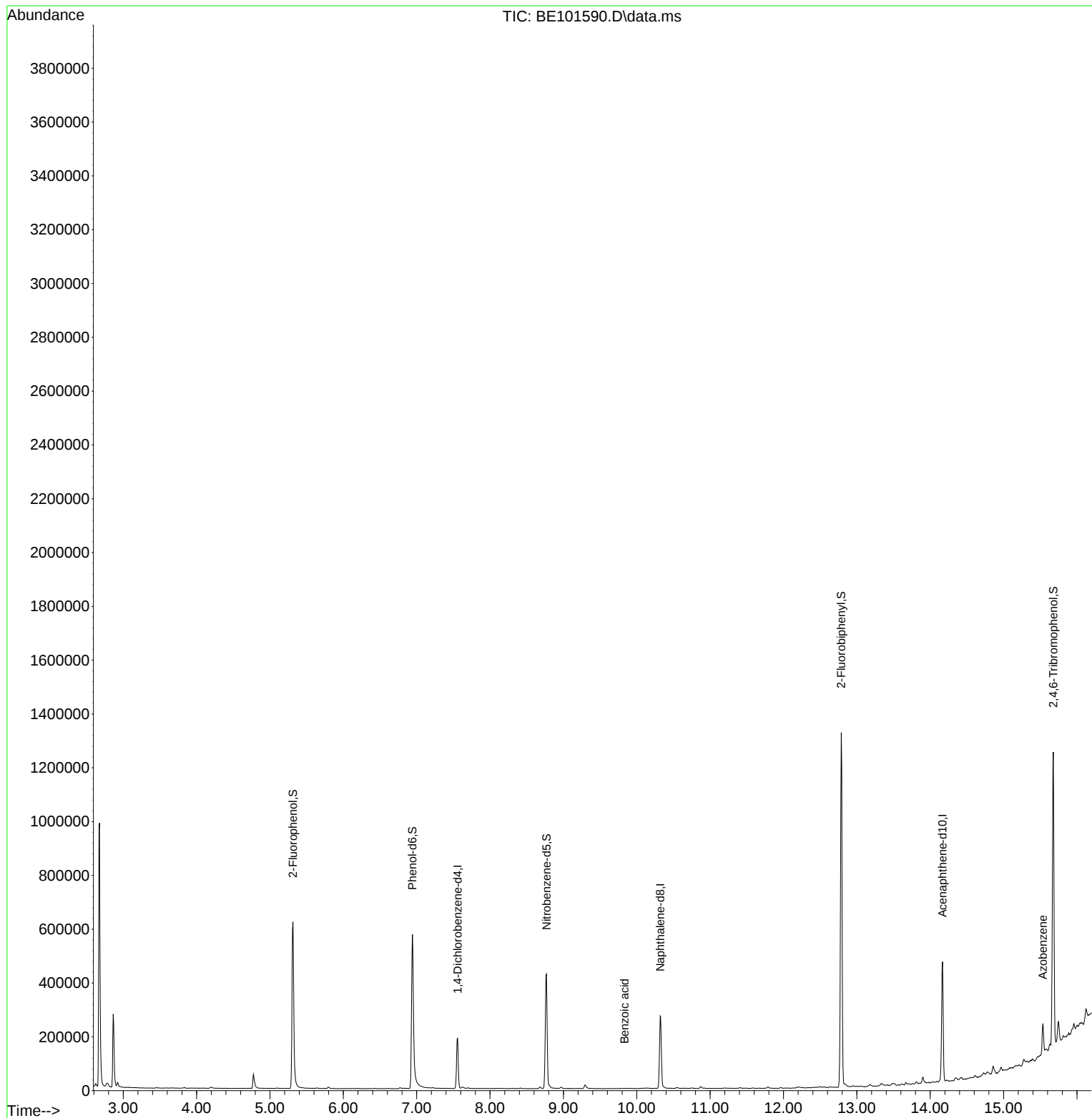
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.558	152	54719	20.000	ng	0.00
21) Naphthalene-d8	10.320	136	243302	20.000	ng	-0.01
39) Acenaphthene-d10	14.168	164	157567	20.000	ng	0.00
64) Phenanthrene-d10	16.906	188	330496	20.000	ng	0.00
76) Chrysene-d12	21.072	240	337697	20.000	ng	0.00
86) Perylene-d12	23.357	264	430466	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	327898	105.956	ng	0.00
7) Phenol-d6	6.941	99	430374	101.431	ng	0.00
23) Nitrobenzene-d5	8.768	82	265113	68.827	ng	0.00
42) 2,4,6-Tribromophenol	15.678	330	284820	96.063	ng	0.00
45) 2-Fluorobiphenyl	12.787	172	705144	73.071	ng	-0.01
79) Terphenyl-d14	19.503	244	1209772	79.299	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.832	122	75	6.862	ng	94
63) Azobenzene	15.537	77	32074	3.323	ng	# 1
71) Phenanthrene	16.947	178	40351	2.510	ng	# 89
75) Fluoranthene	18.957	202	136417	6.619	ng	95
78) Pyrene	19.327	202	125579	6.536	ng	96
80) Butylbenzylphthalate	20.173	149	35974	4.166	ng	90
81) Benzo(a)anthracene	21.048	228	86573	4.317	ng	97
83) Chrysene	21.107	228	112940	5.925	ng	97
84) Bis(2-ethylhexyl)phtha...	20.872	149	30875	2.365	ng	# 95
87) Indeno(1,2,3-cd)pyrene	25.672	276	111296	3.762	ng	95
88) Benzo(b)fluoranthene	22.646	252	263503	11.157	ng	# 96
89) Benzo(k)fluoranthene	22.646	252	263503	12.291	ng	# 96
90) Benzo(a)pyrene	23.246	252	114744	5.628	ng	# 94
92) Benzo(g,h,i)perylene	26.424	276	112676	4.502	ng	96

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

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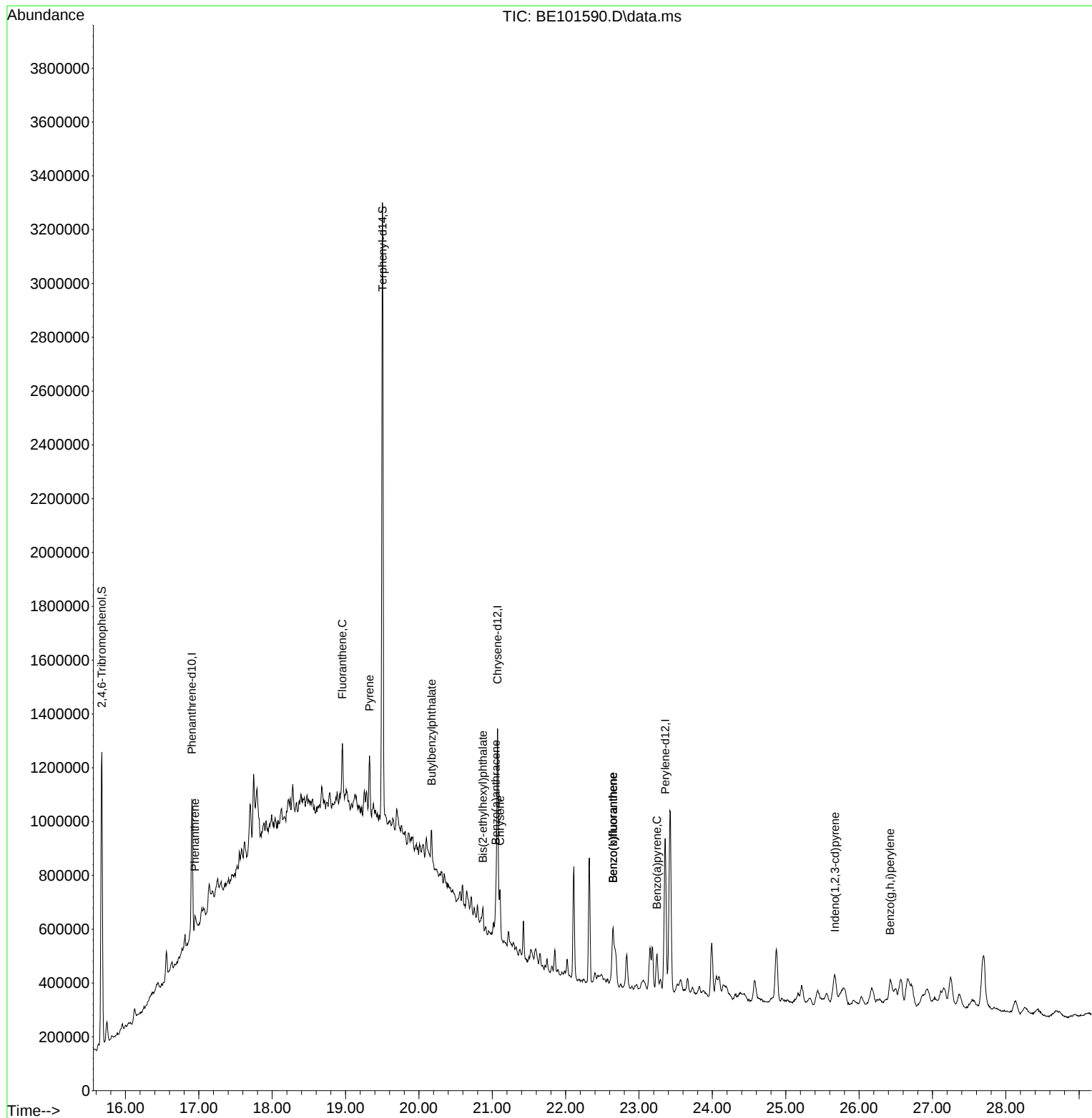
Quant Time: Nov 13 01:00:09 2024
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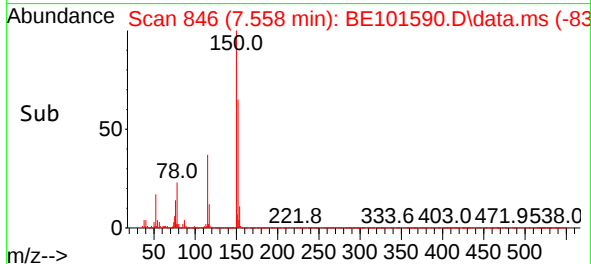
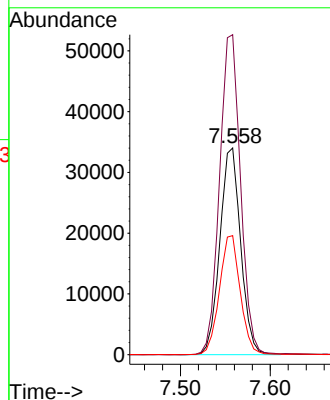
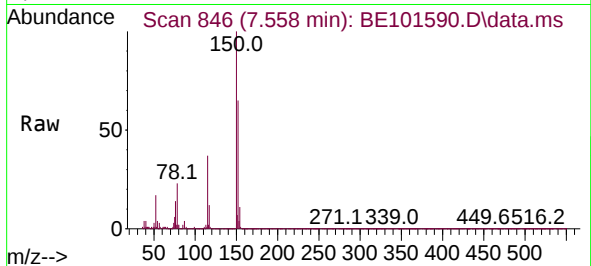




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.558 min Scan# 847
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

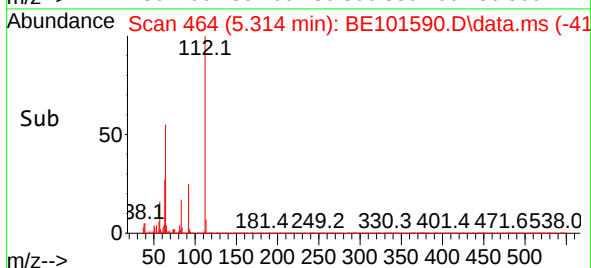
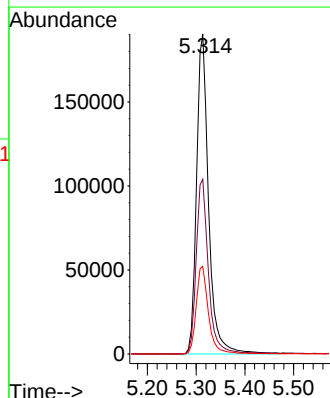
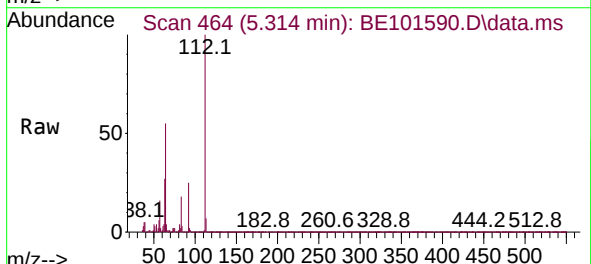
Instrument :
BNA_E
ClientSampleId :
LAW-23-00189

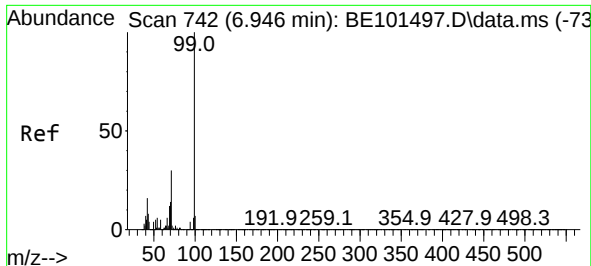
Tgt Ion:152 Resp: 54719
Ion Ratio Lower Upper
152 100
150 154.8 126.3 189.5
115 57.5 45.0 67.4



#5
2-Fluorophenol
Concen: 105.956 ng
RT: 5.314 min Scan# 464
Delta R.T. 0.001 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

Tgt Ion:112 Resp: 327898
Ion Ratio Lower Upper
112 100
64 54.6 43.2 64.8
63 27.4 21.8 32.6

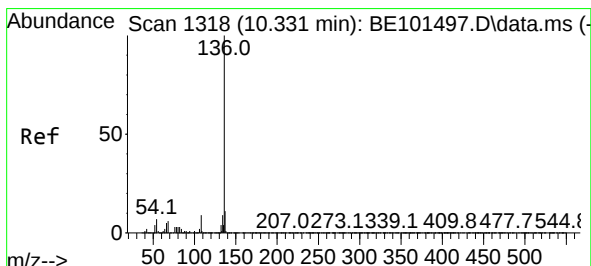
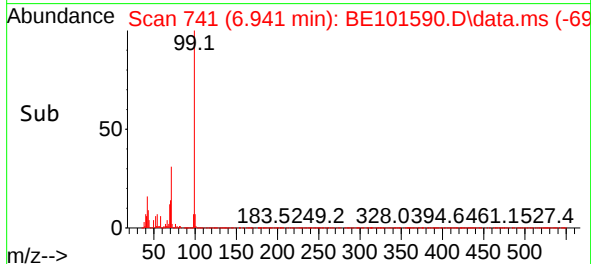
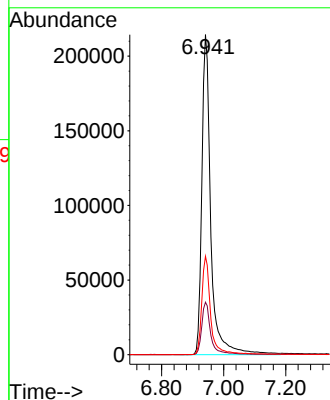
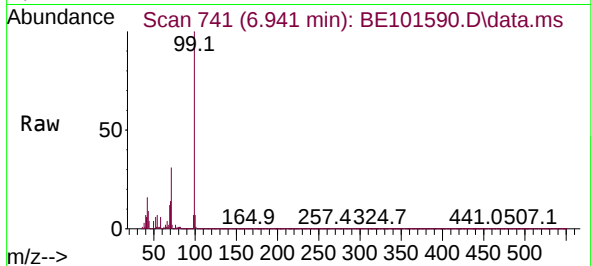




#7
Phenol-d6
Concen: 101.431 ng
RT: 6.941 min Scan# 741
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

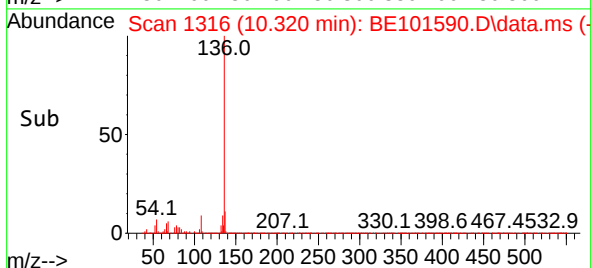
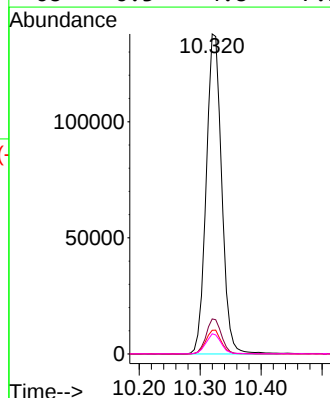
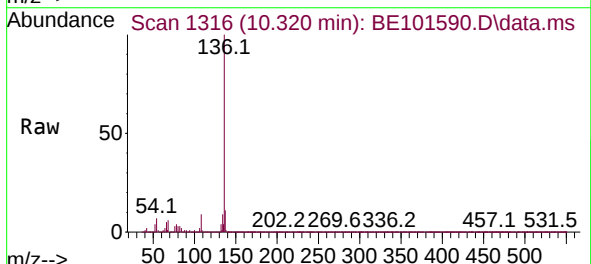
Instrument :
BNA_E
ClientSampleId :
LAW-23-00189

Tgt Ion: 99 Resp: 430374
Ion Ratio Lower Upper
99 100
42 16.4 12.5 18.7
71 30.8 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.320 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

Tgt Ion: 136 Resp: 243302
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.4 5.6 8.4
68 6.3 4.8 7.2

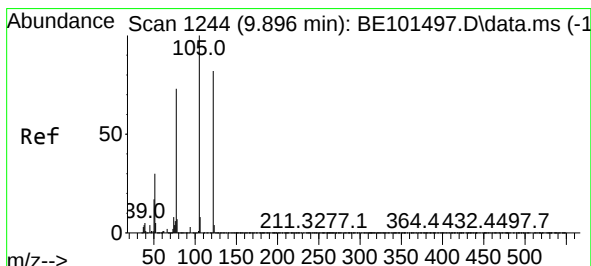
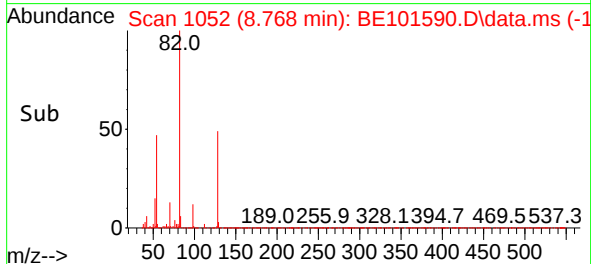
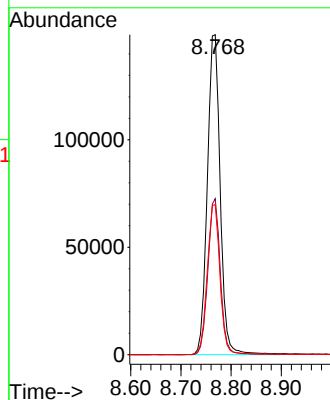
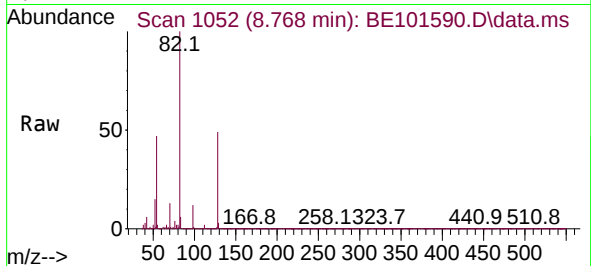




#23
Nitrobenzene-d5
Concen: 68.827 ng
RT: 8.768 min Scan# 1053
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

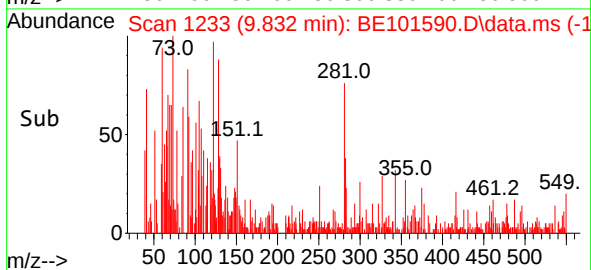
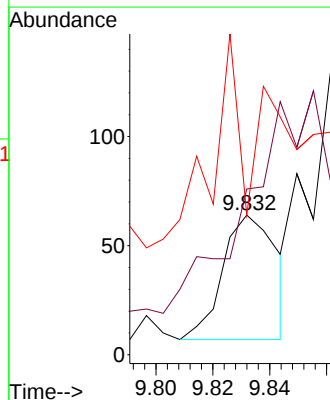
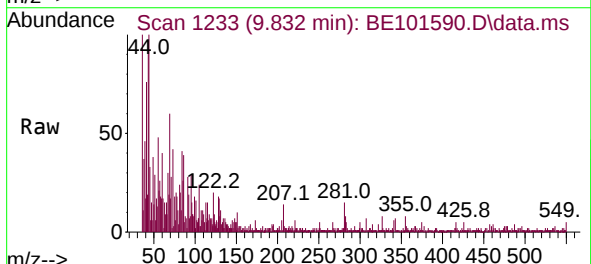
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LAW-23-00189

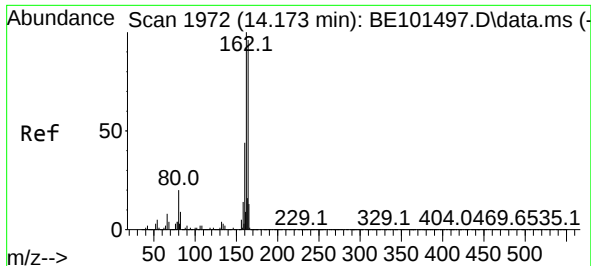
Tgt Ion: 82 Resp: 265113
Ion Ratio Lower Upper
82 100
128 48.8 38.6 58.0
54 46.9 36.3 54.5



#32
Benzoic acid
Concen: 6.862 ng
RT: 9.832 min Scan# 1233
Delta R.T. -0.064 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

Tgt Ion: 122 Resp: 75
Ion Ratio Lower Upper
122 100
105 118.8 100.6 140.6
77 100.0 68.6 108.6

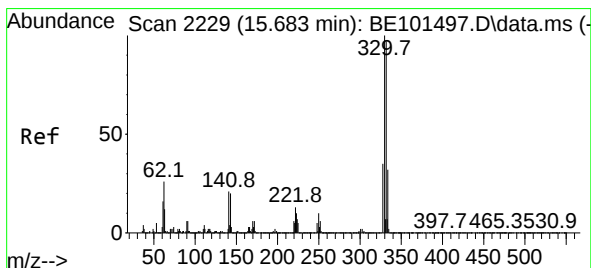
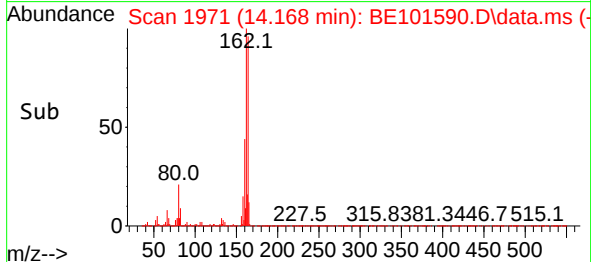
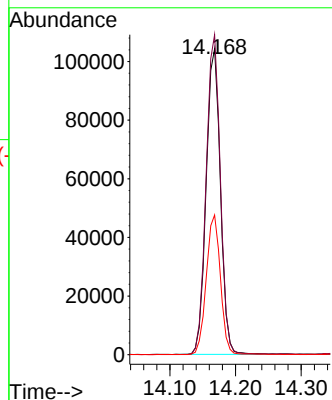
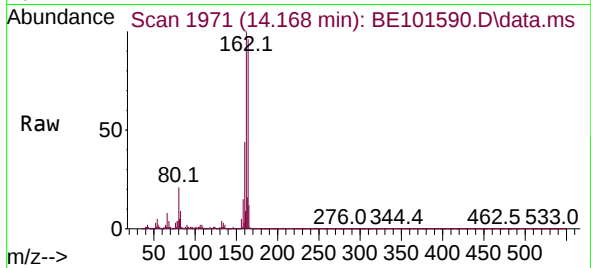




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.168 min Scan# 1972
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

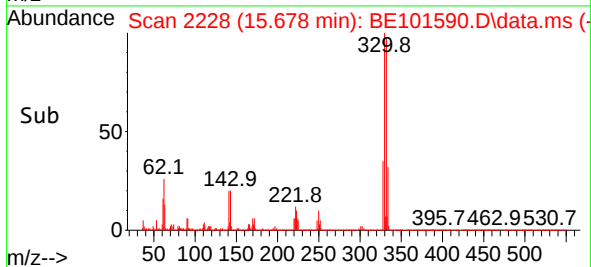
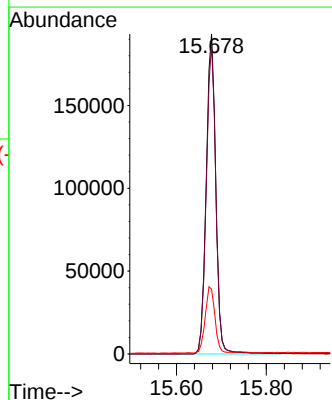
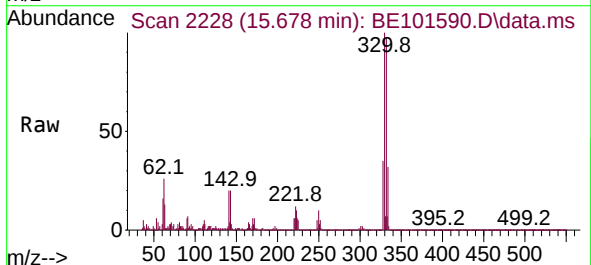
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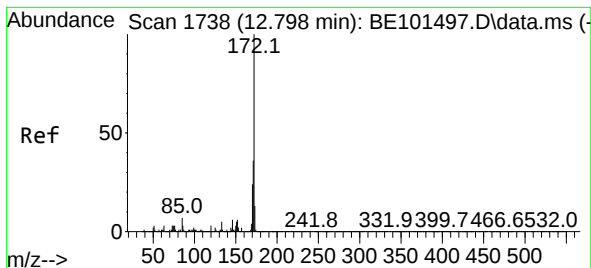
Tgt Ion:164 Resp: 157567
Ion Ratio Lower Upper
164 100
162 104.6 83.7 125.5
160 45.7 37.1 55.7



#42
2,4,6-Tribromophenol
Concen: 96.063 ng
RT: 15.678 min Scan# 2228
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

Tgt Ion:330 Resp: 284820
Ion Ratio Lower Upper
330 100
332 96.8 77.7 116.5
141 21.0 17.0 25.4





#45

2-Fluorobiphenyl

Concen: 73.071 ng

RT: 12.787 min Scan# 1

Delta R.T. -0.011 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Instrument :

BNA_E

ClientSampleId :

LAW-23-00189

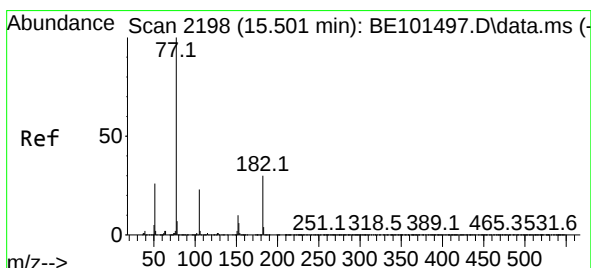
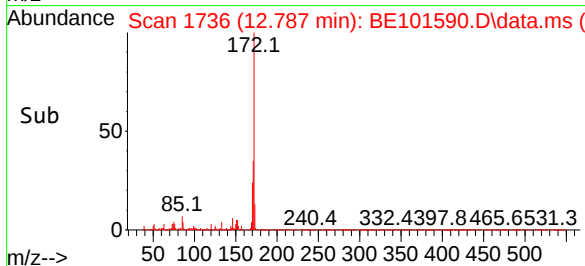
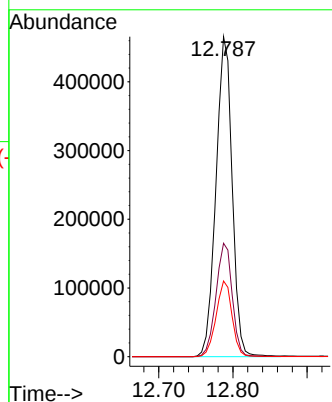
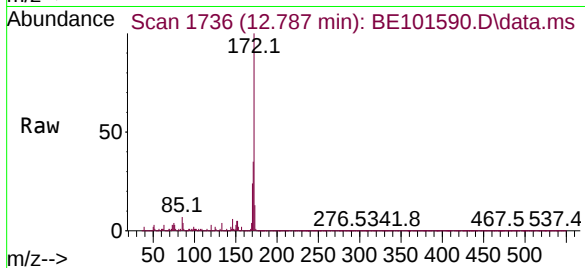
Tgt Ion:172 Resp: 705144

Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 23.7 18.9 28.3



#63

Azobenzene

Concen: 3.323 ng

RT: 15.537 min Scan# 2204

Delta R.T. 0.036 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Tgt Ion: 77 Resp: 32074

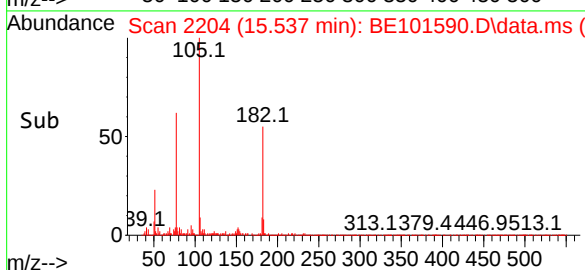
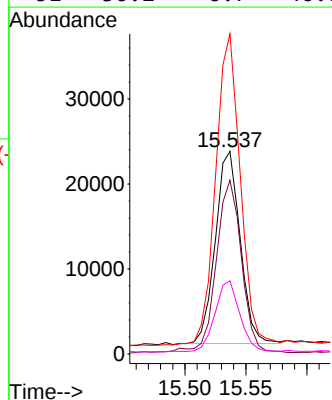
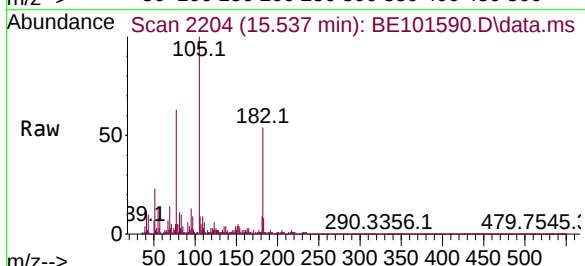
Ion Ratio Lower Upper

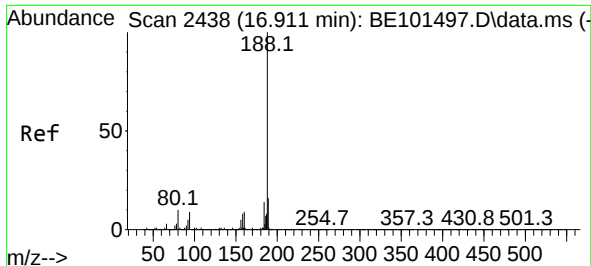
77 100

182 85.8 9.1 49.1#

105 158.0 3.2 43.2#

51 36.2 6.7 46.7

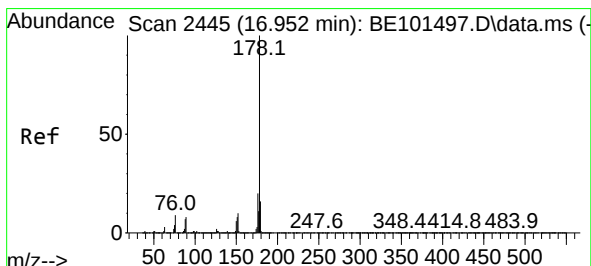
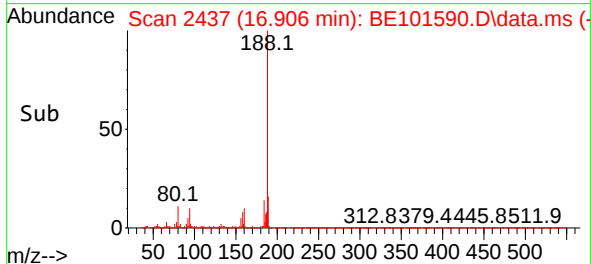
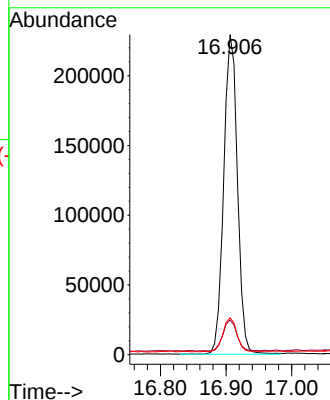
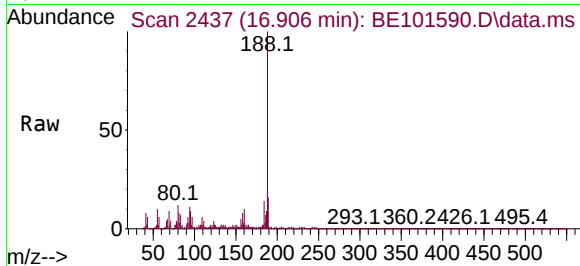




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.906 min Scan# 2438
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

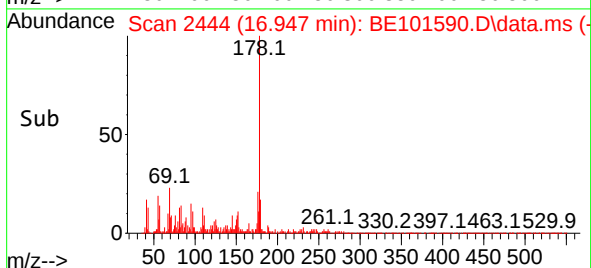
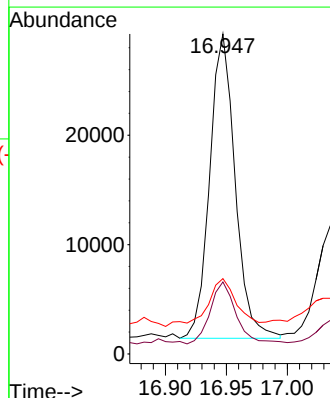
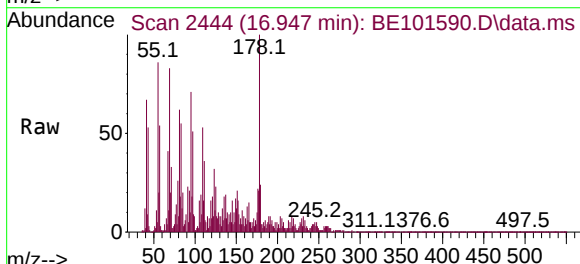
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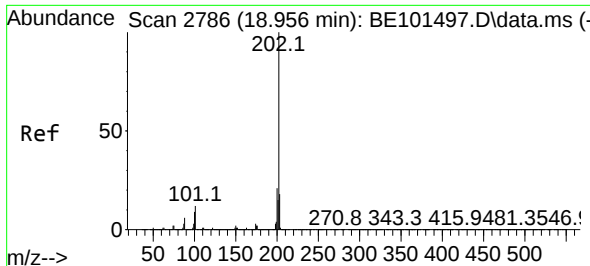
Tgt Ion:188 Resp: 330496
Ion Ratio Lower Upper
188 100
94 10.9 7.4 11.2
80 11.6 8.0 12.0



#71
Phenanthrene
Concen: 2.510 ng
RT: 16.947 min Scan# 2444
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

Tgt Ion:178 Resp: 40351
Ion Ratio Lower Upper
178 100
176 22.5 15.8 23.8
179 23.6 12.6 19.0#

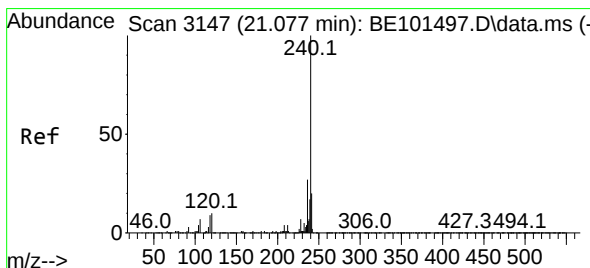
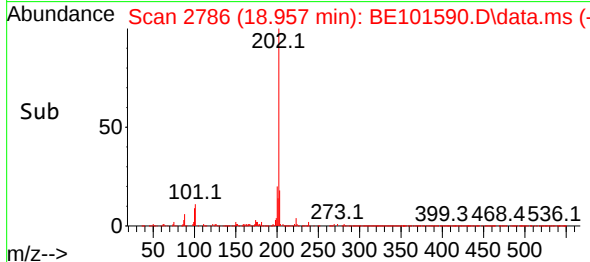
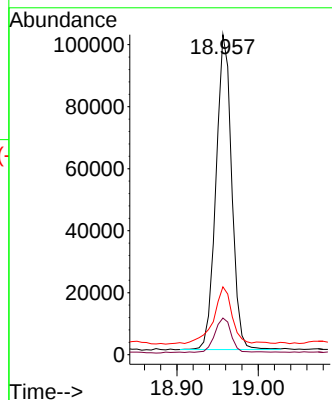
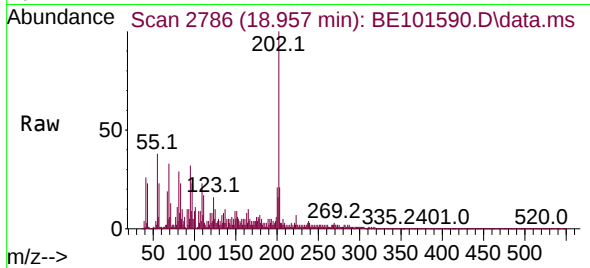




#75
Fluoranthene
Concen: 6.619 ng
RT: 18.957 min Scan# 21
Delta R.T. 0.001 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

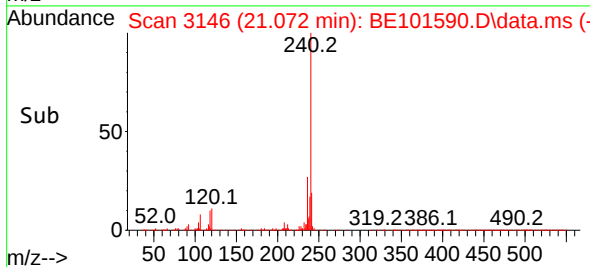
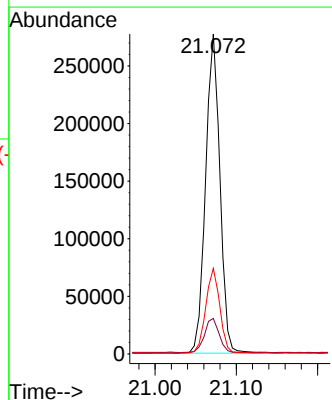
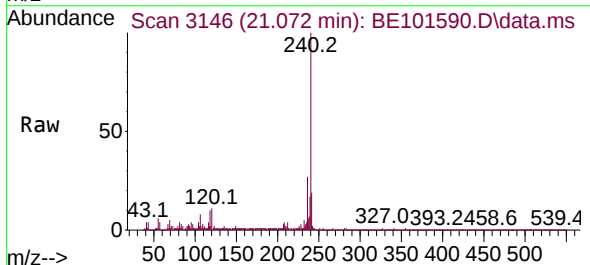
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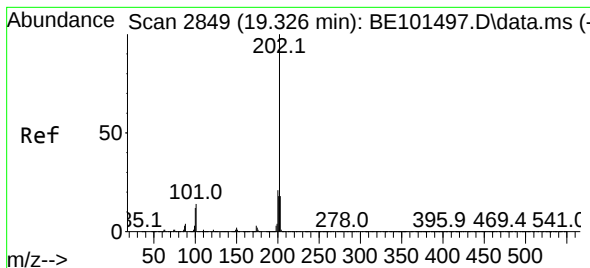
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Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.7
203 21.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.072 min Scan# 3146
Delta R.T. -0.005 min
Lab File: BE101590.D
Acq: 12 Nov 2024 23:58

Tgt Ion:240 Resp: 337697
Ion Ratio Lower Upper
240 100
120 11.1 8.2 12.4
236 26.8 21.4 32.2





#78

Pyrene

Concen: 6.536 ng

RT: 19.327 min Scan# 2849

Delta R.T. 0.001 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Instrument :

BNA_E

ClientSampleId :

LAW-23-00189

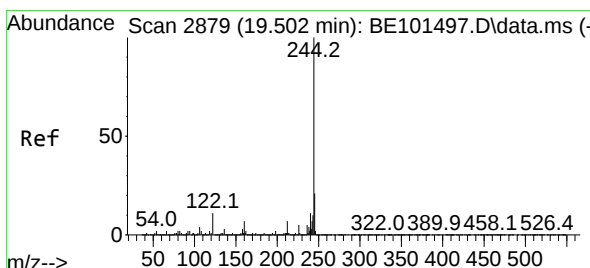
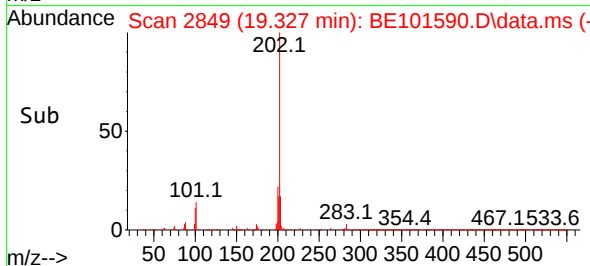
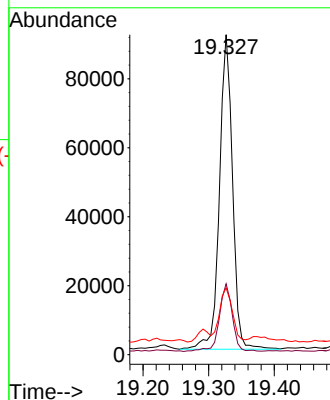
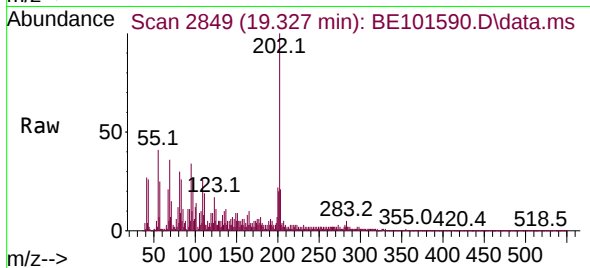
Tgt Ion:202 Resp: 125579

Ion Ratio Lower Upper

202 100

200 22.1 17.2 25.8

203 20.9 14.2 21.4



#79

Terphenyl-d14

Concen: 79.299 ng

RT: 19.503 min Scan# 2879

Delta R.T. 0.001 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

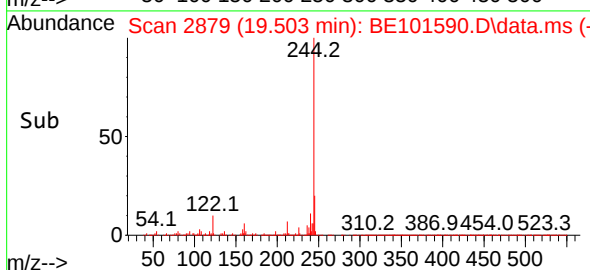
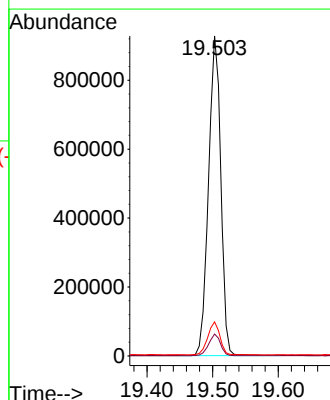
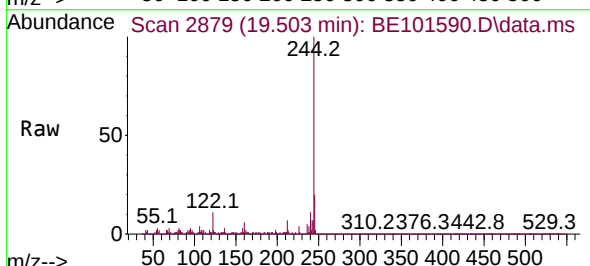
Tgt Ion:244 Resp: 1209772

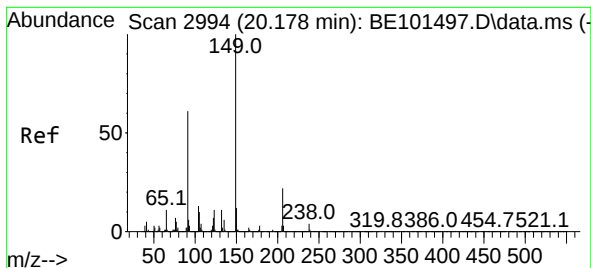
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 10.7 8.4 12.6





#80

Butylbenzylphthalate

Concen: 4.166 ng

RT: 20.173 min Scan# 2994

Delta R.T. -0.005 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Instrument :

BNA_E

ClientSampleId :

LAW-23-00189

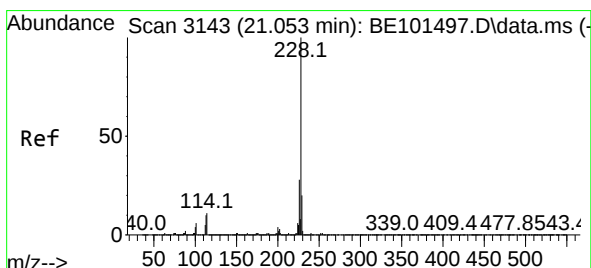
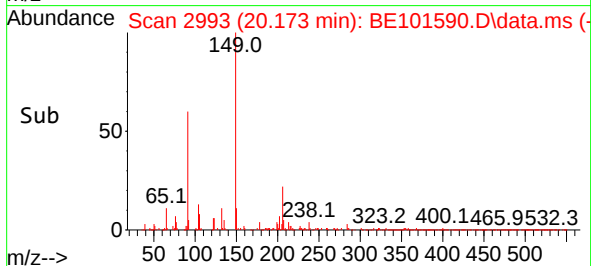
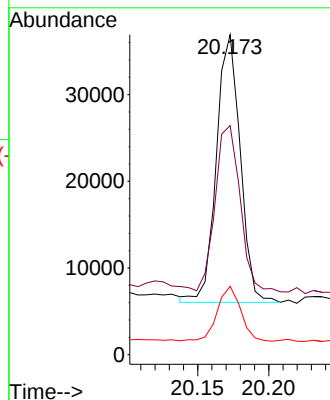
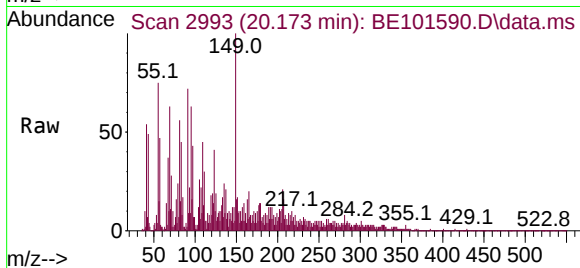
Tgt Ion:149 Resp: 35974

Ion Ratio Lower Upper

149 100

91 71.6 49.2 73.8

206 21.4 17.4 26.2



#81

Benzo(a)anthracene

Concen: 4.317 ng

RT: 21.048 min Scan# 3142

Delta R.T. -0.005 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

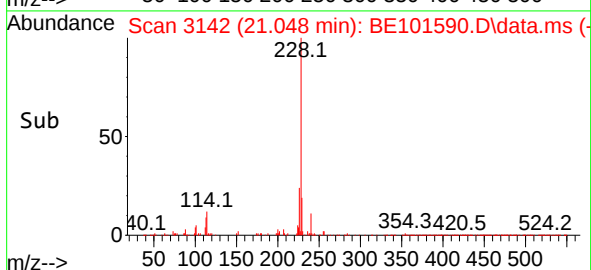
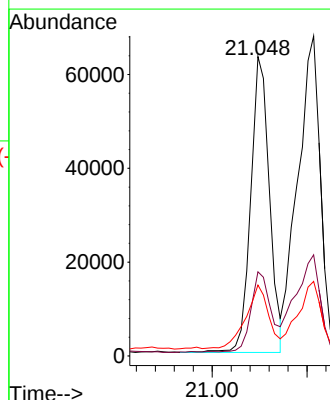
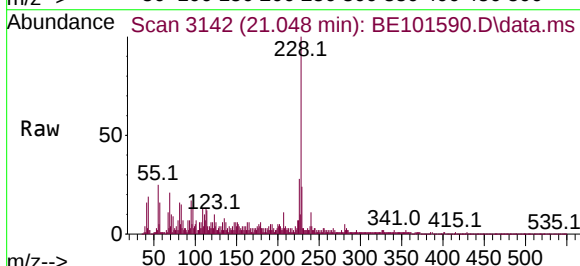
Tgt Ion:228 Resp: 86573

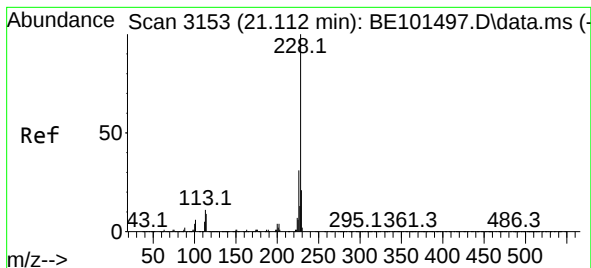
Ion Ratio Lower Upper

228 100

226 28.1 22.4 33.6

229 23.7 16.1 24.1





#83

Chrysene

Concen: 5.925 ng

RT: 21.107 min Scan# 3153

Delta R.T. -0.005 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Instrument :

BNA_E

ClientSampleId :

LAW-23-00189

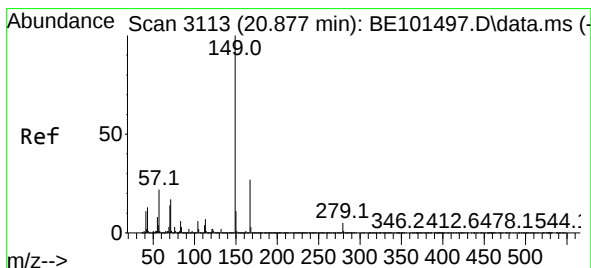
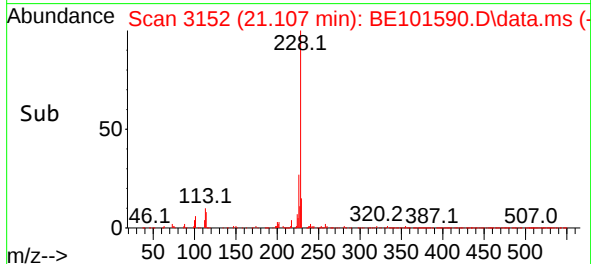
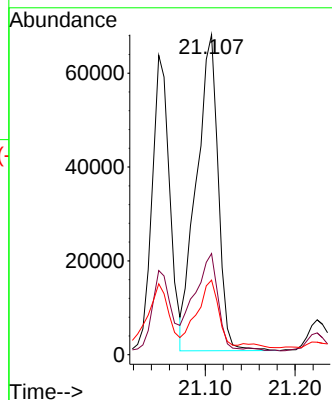
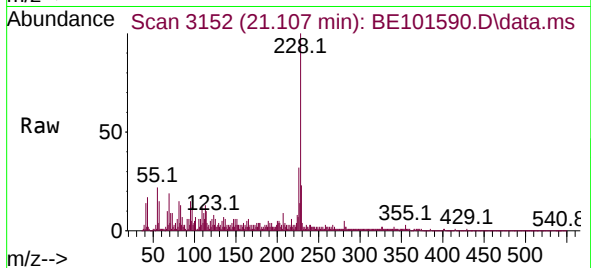
Tgt Ion:228 Resp: 112940

Ion Ratio Lower Upper

228 100

226 31.6 25.1 37.7

229 23.3 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.365 ng

RT: 20.872 min Scan# 3112

Delta R.T. -0.005 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

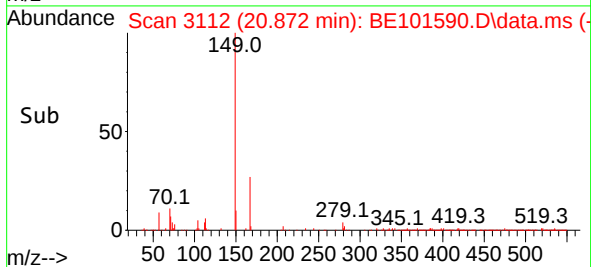
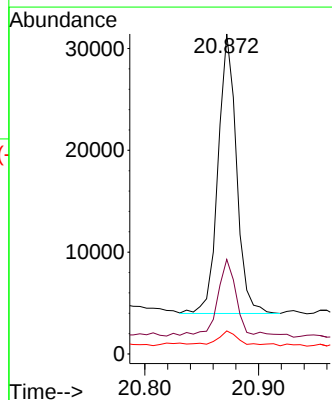
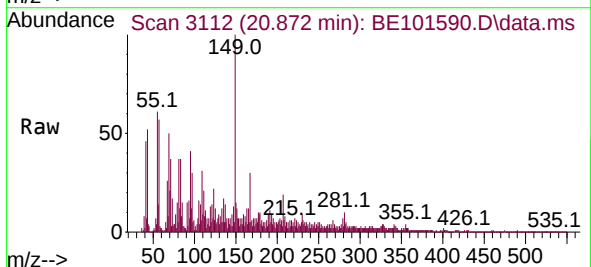
Tgt Ion:149 Resp: 30875

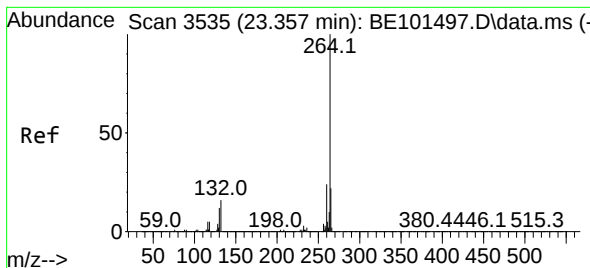
Ion Ratio Lower Upper

149 100

167 29.6 21.8 32.6

279 7.2 3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.357 min Scan# 3

Delta R.T. 0.001 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Instrument :

BNA_E

ClientSampleId :

LAW-23-00189

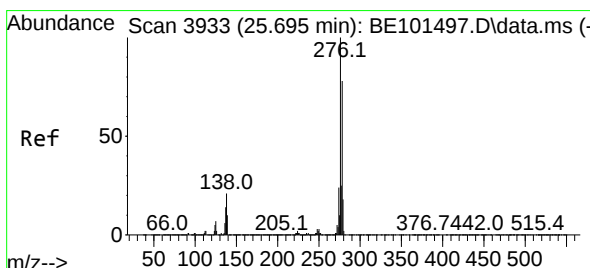
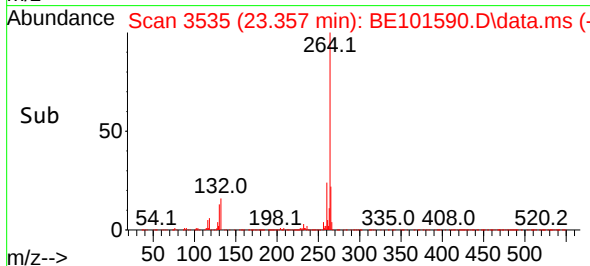
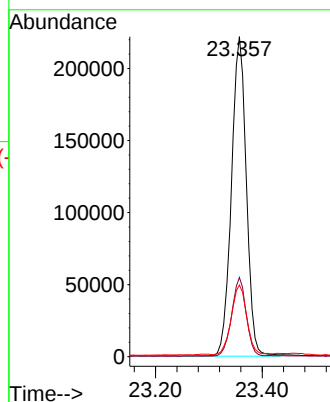
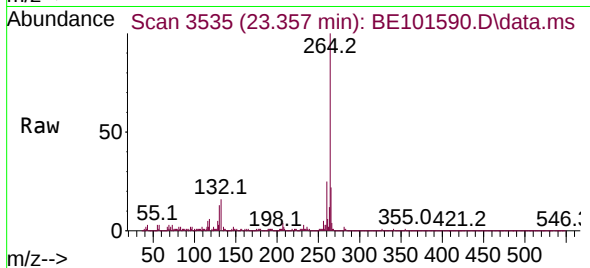
Tgt Ion:264 Resp: 430466

Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.2

265 22.4 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.762 ng

RT: 25.672 min Scan# 3929

Delta R.T. -0.023 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

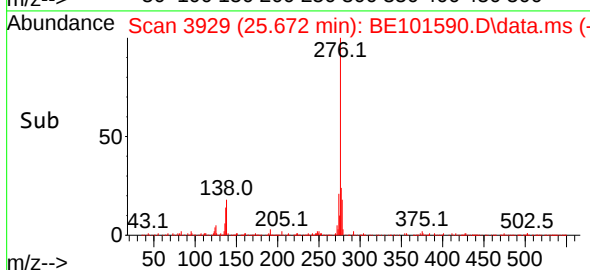
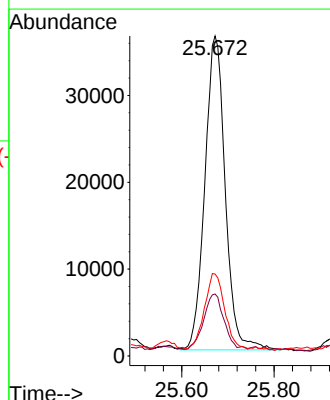
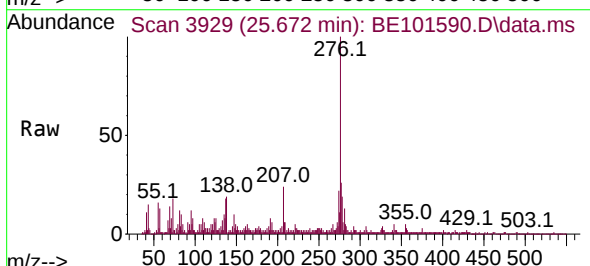
Tgt Ion:276 Resp: 111296

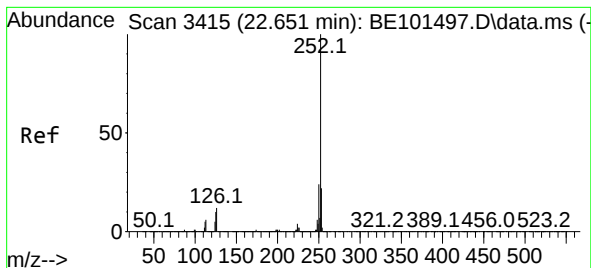
Ion Ratio Lower Upper

276 100

138 17.4 17.0 25.6

277 23.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 11.157 ng

RT: 22.646 min Scan# 3415

Delta R.T. -0.005 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Instrument :

BNA_E

ClientSampleId :

LAW-23-00189

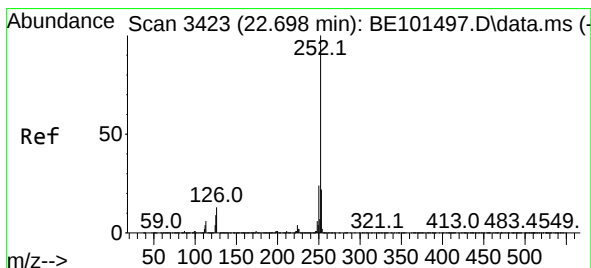
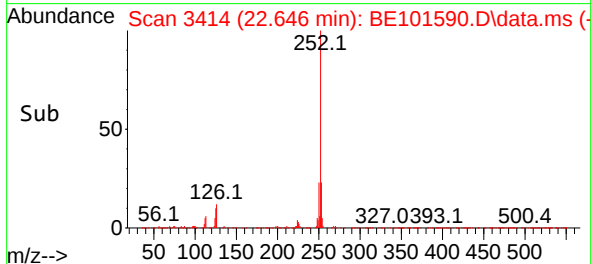
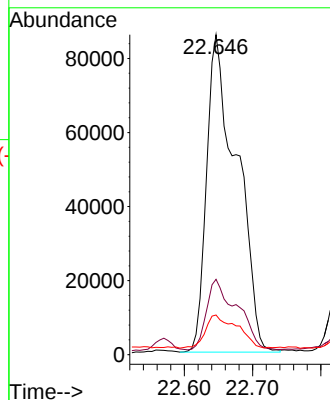
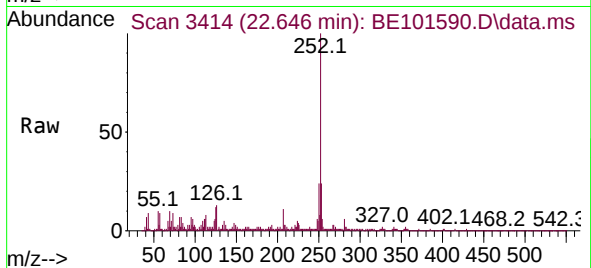
Tgt Ion:252 Resp: 263503

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 12.4 7.8 11.8#



#89

Benzo(k)fluoranthene

Concen: 12.291 ng

RT: 22.646 min Scan# 3414

Delta R.T. -0.052 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

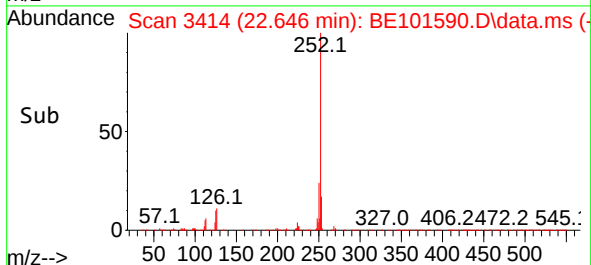
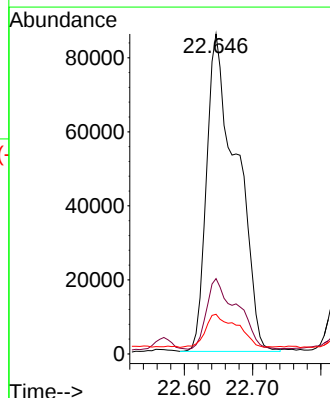
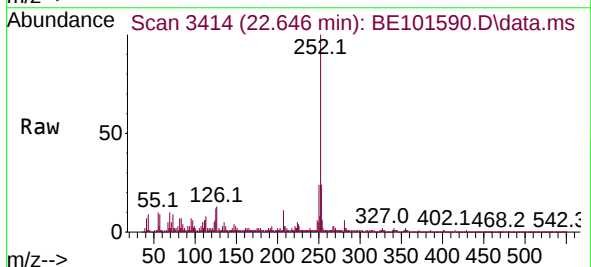
Tgt Ion:252 Resp: 263503

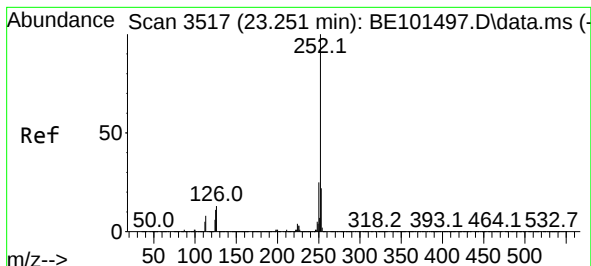
Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

125 12.4 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 5.628 ng

RT: 23.246 min Scan# 31

Delta R.T. -0.005 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Instrument :

BNA_E

ClientSampleId :

LAW-23-00189

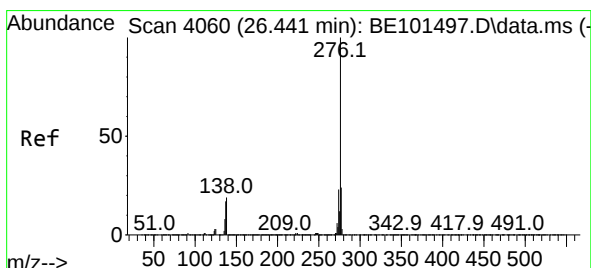
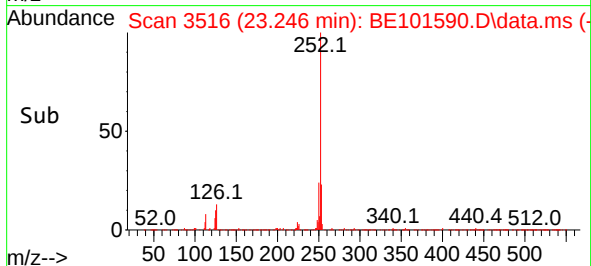
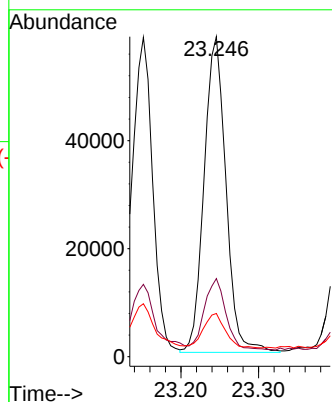
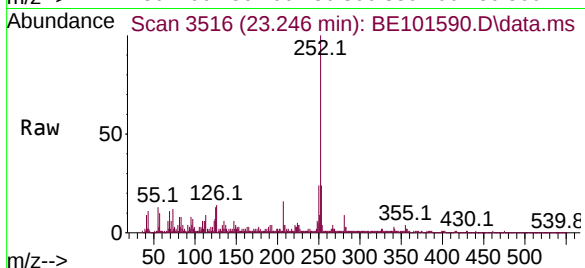
Tgt Ion:252 Resp: 114744

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 13.5 8.6 13.0#



#92

Benzo(g,h,i)perylene

Concen: 4.502 ng

RT: 26.424 min Scan# 4057

Delta R.T. -0.017 min

Lab File: BE101590.D

Acq: 12 Nov 2024 23:58

Tgt Ion:276 Resp: 112676

Ion Ratio Lower Upper

276 100

277 26.1 19.5 29.3

138 20.9 15.3 22.9

