

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101522.D
 Acq On : 7 Nov 2024 7:13
 Operator : RC/JU
 Sample : P4706-01 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TR-04-110424

Quant Time: Nov 07 06:55:28 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)

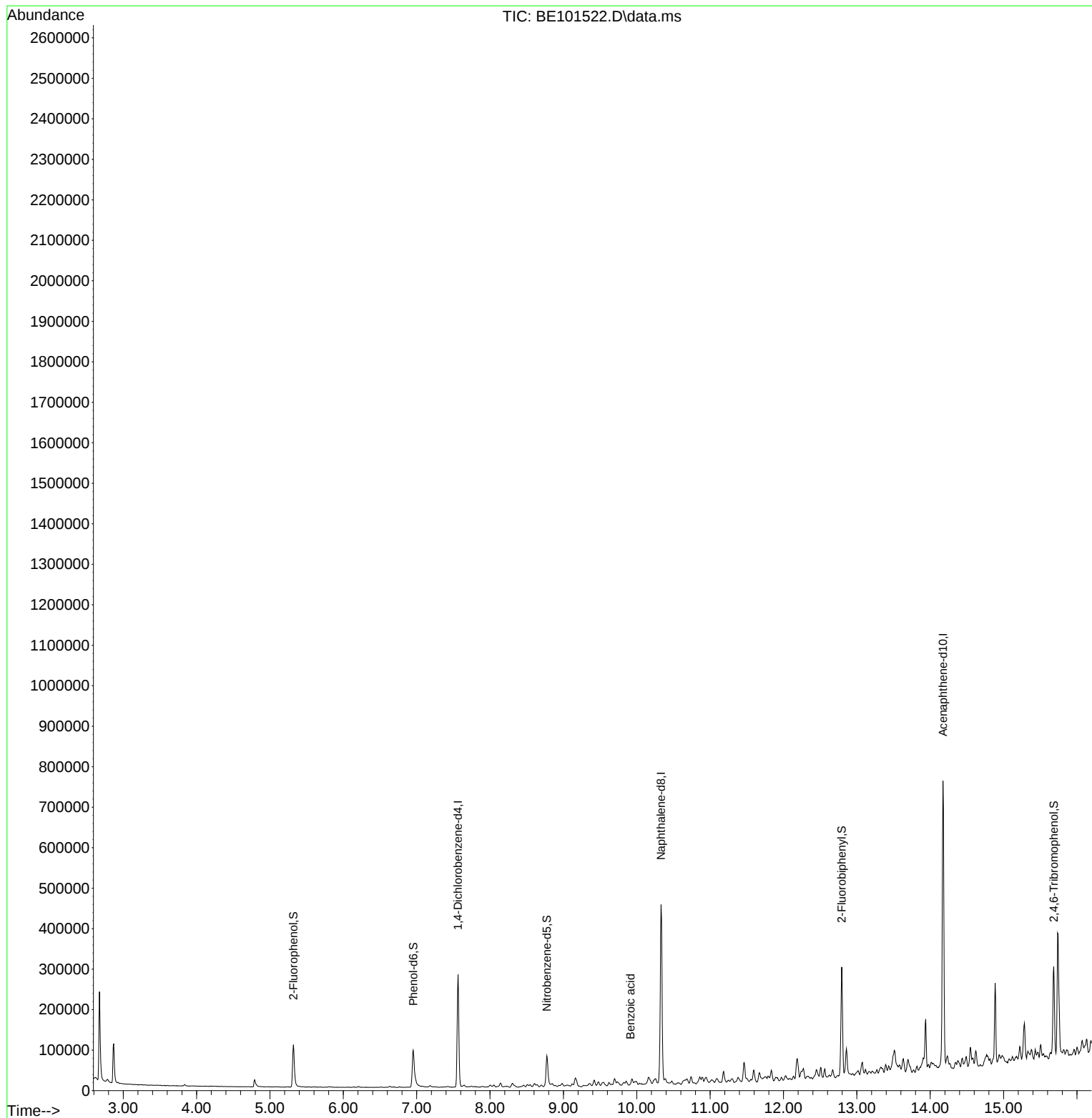
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.564	152	78812	20.000	ng	0.00
21) Naphthalene-d8	10.332	136	369514	20.000	ng	0.00
39) Acenaphthene-d10	14.174	164	251938	20.000	ng	0.00
64) Phenanthrene-d10	16.912	188	534552	20.000	ng	0.00
76) Chrysene-d12	21.078	240	559976	20.000	ng	0.00
86) Perylene-d12	23.375	264	732634	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	58116	13.039	ng	0.00
7) Phenol-d6	6.953	99	77421	12.669	ng	0.00
23) Nitrobenzene-d5	8.775	82	47008	8.036	ng	0.00
42) 2,4,6-Tribromophenol	15.684	330	55335	11.672	ng	0.00
45) 2-Fluorobiphenyl	12.793	172	143168	9.279	ng	0.00
79) Terphenyl-d14	19.503	244	273434	10.809	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.914	122	55	6.847	ng	# 1
71) Phenanthrene	16.953	178	127937	4.921	ng	99
72) Anthracene	16.953	178	127937	4.983	ng	99
75) Fluoranthene	18.963	202	244918	7.347	ng	98
78) Pyrene	19.333	202	234553	7.362	ng	99
81) Benzo(a)anthracene	21.054	228	127468	3.833	ng	# 94
83) Chrysene	21.054	228	127468	4.032	ng	95
88) Benzo(b)fluoranthene	22.658	252	247405	6.155	ng	# 87
89) Benzo(k)fluoranthene	22.658	252	247405	6.780	ng	# 87
90) Benzo(a)pyrene	23.258	252	146882	4.233	ng	# 90
92) Benzo(g,h,i)perylene	26.454	276	104390	2.451	ng	# 90

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

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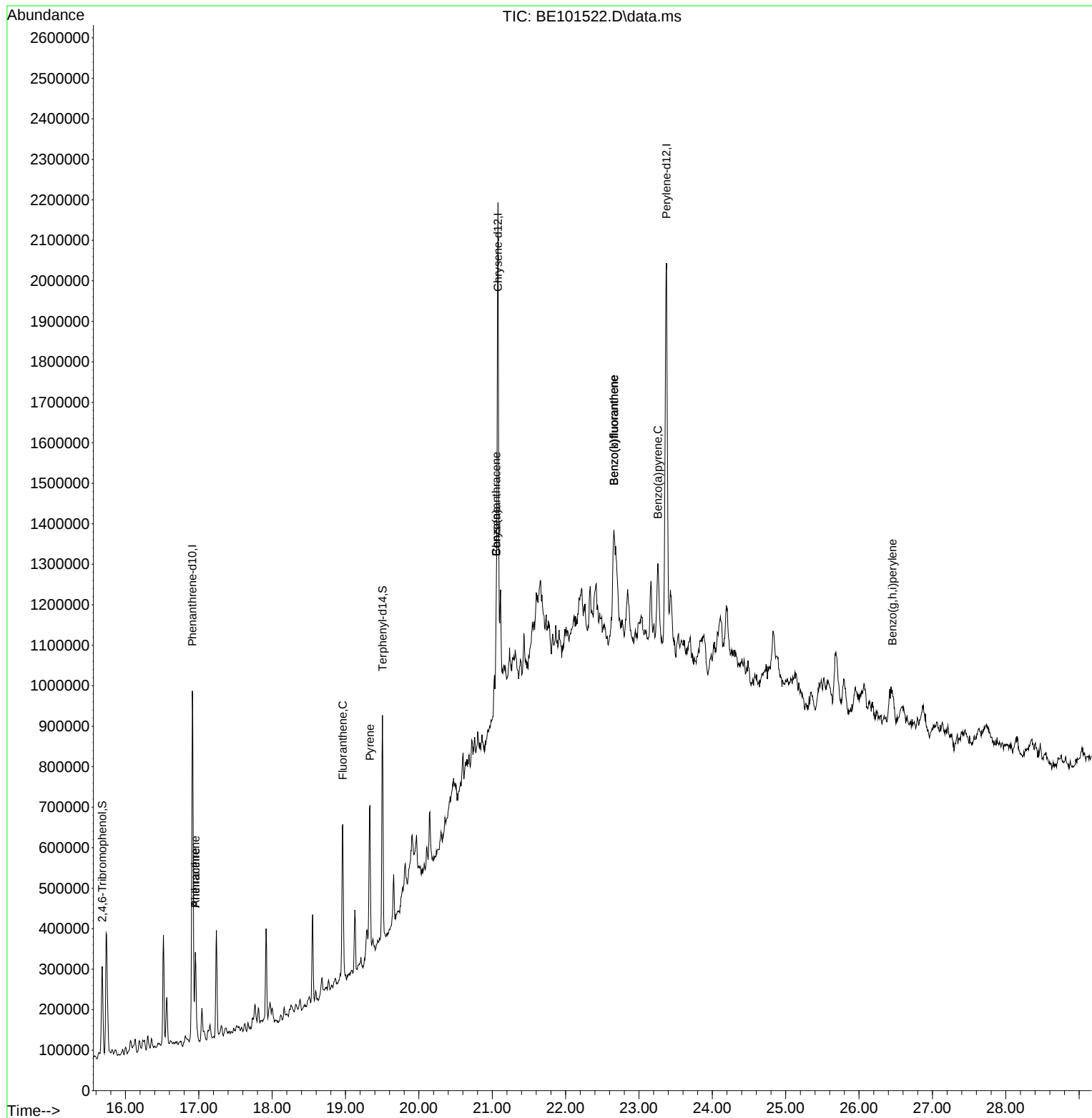
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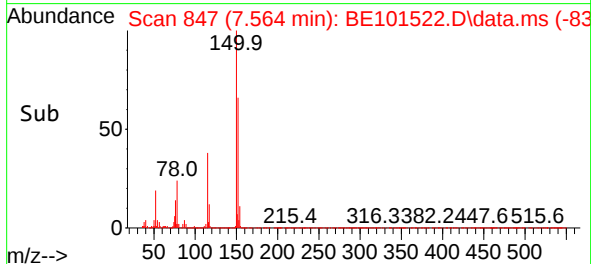
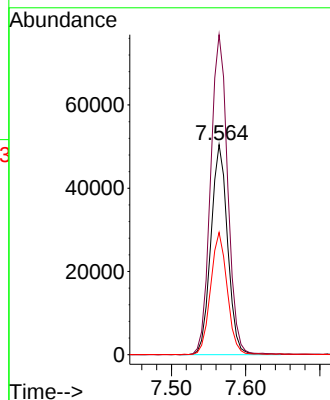
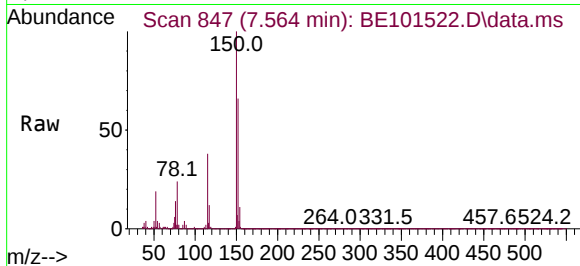




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.564 min Scan# 847
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

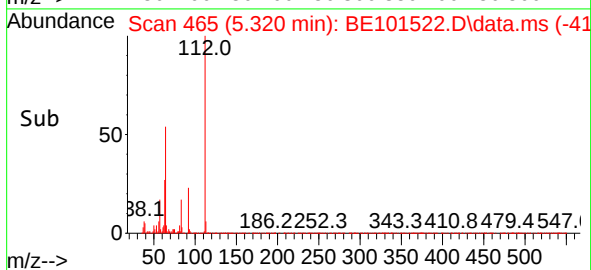
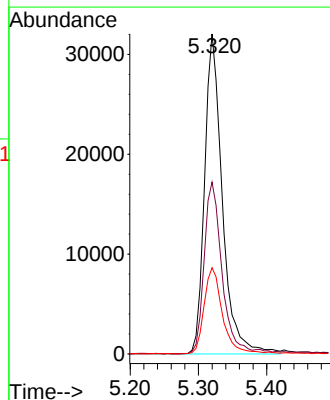
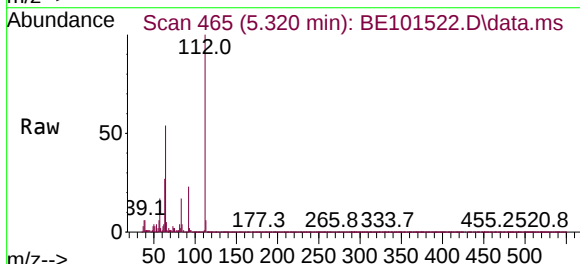
Instrument :
BNA_E
ClientSampleId :
TR-04-110424

Tgt Ion:152 Resp: 78812
Ion Ratio Lower Upper
152 100
150 152.4 126.3 189.5
115 58.2 45.0 67.4



#5
2-Fluorophenol
Concen: 13.039 ng
RT: 5.320 min Scan# 465
Delta R.T. 0.007 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Tgt Ion:112 Resp: 58116
Ion Ratio Lower Upper
112 100
64 53.7 43.2 64.8
63 26.9 21.8 32.6





#7

Phenol-d6

Concen: 12.669 ng

RT: 6.953 min Scan# 742

Delta R.T. 0.007 min

Lab File: BE101522.D

Acq: 7 Nov 2024 7:13

Instrument :

BNA_E

ClientSampleId :

TR-04-110424

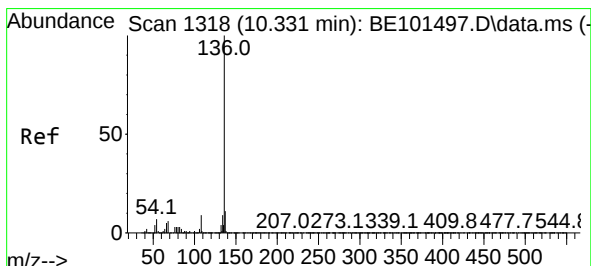
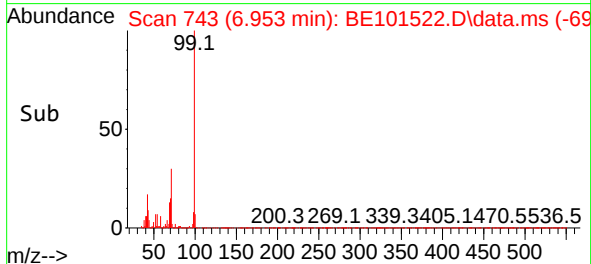
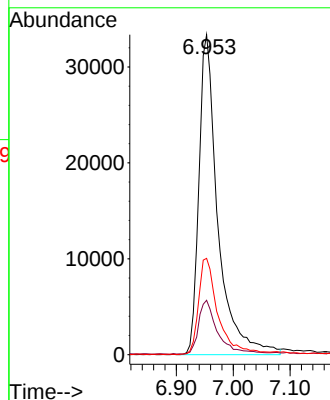
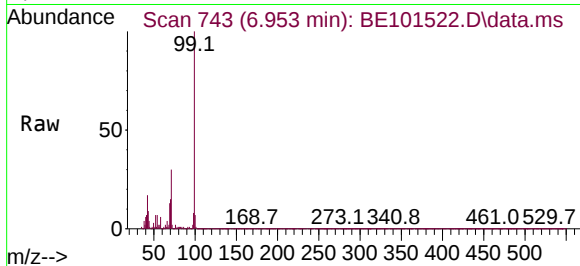
Tgt Ion: 99 Resp: 77421

Ion Ratio Lower Upper

99 100

42 17.0 12.5 18.7

71 30.1 24.2 36.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.332 min Scan# 1318

Delta R.T. 0.001 min

Lab File: BE101522.D

Acq: 7 Nov 2024 7:13

Tgt Ion: 136 Resp: 369514

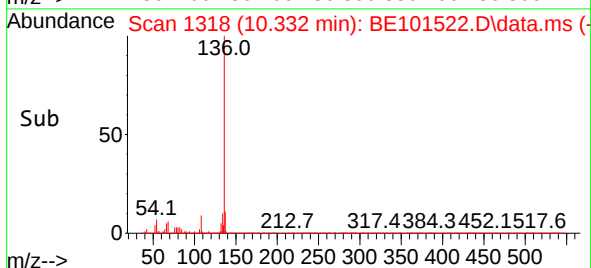
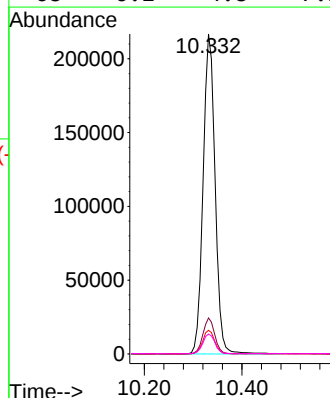
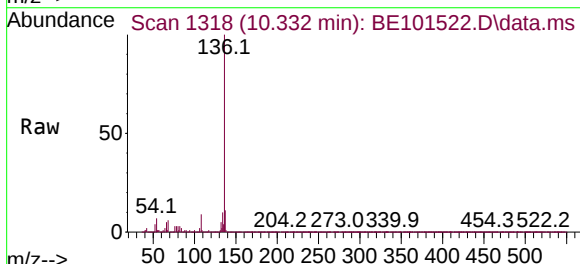
Ion Ratio Lower Upper

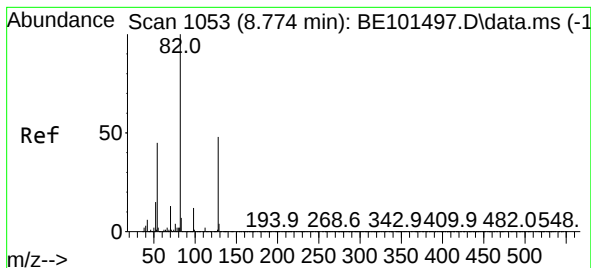
136 100

137 11.3 8.6 13.0

54 7.4 5.6 8.4

68 6.2 4.8 7.2





#23

Nitrobenzene-d5

Concen: 8.036 ng

RT: 8.775 min Scan# 1

Delta R.T. 0.001 min

Lab File: BE101522.D

Acq: 7 Nov 2024 7:13

Instrument :

BNA_E

ClientSampleId :

TR-04-110424

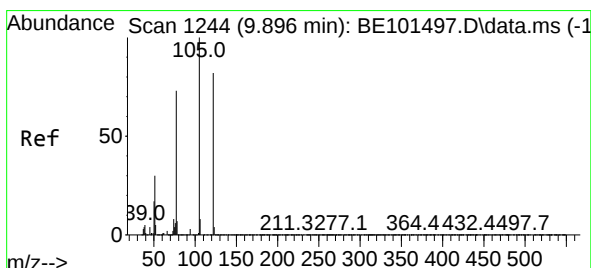
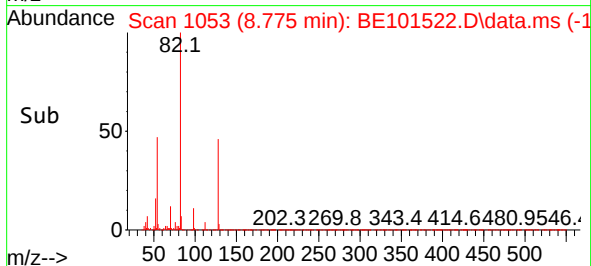
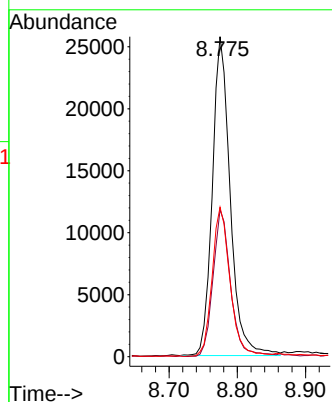
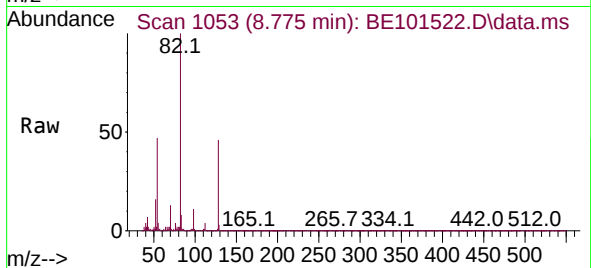
Tgt Ion: 82 Resp: 47008

Ion Ratio Lower Upper

82 100

128 46.0 38.6 58.0

54 46.7 36.3 54.5



#32

Benzoic acid

Concen: 6.847 ng

RT: 9.914 min Scan# 1247

Delta R.T. 0.018 min

Lab File: BE101522.D

Acq: 7 Nov 2024 7:13

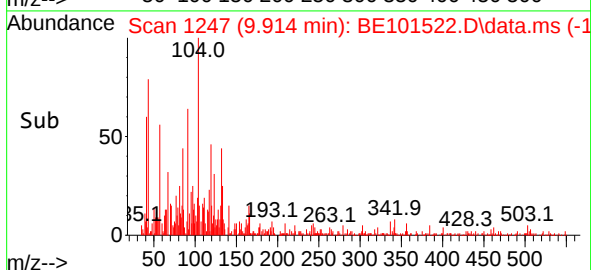
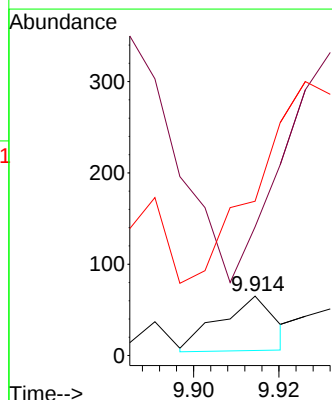
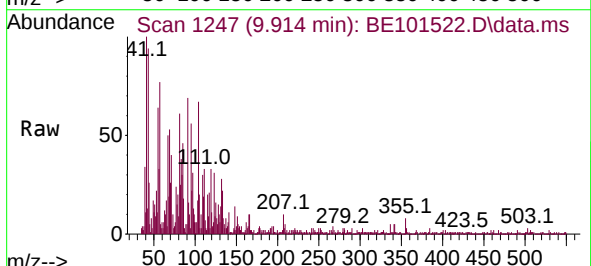
Tgt Ion: 122 Resp: 55

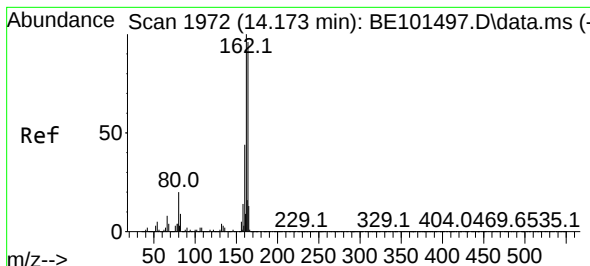
Ion Ratio Lower Upper

122 100

105 216.9 100.6 140.6#

77 260.0 68.6 108.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.174 min Scan# 1972

Delta R.T. 0.001 min

Lab File: BE101522.D

Acq: 7 Nov 2024 7:13

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BNA_E

ClientSampleId :

TR-04-110424

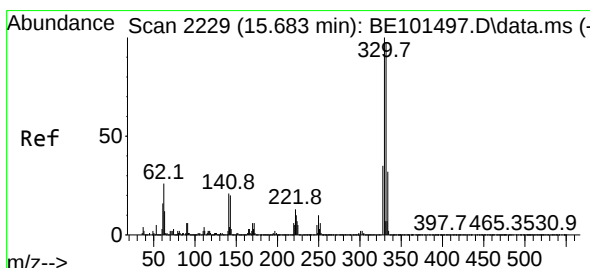
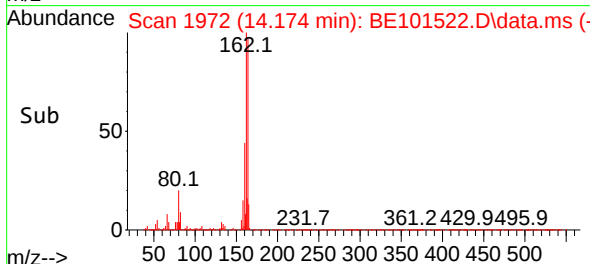
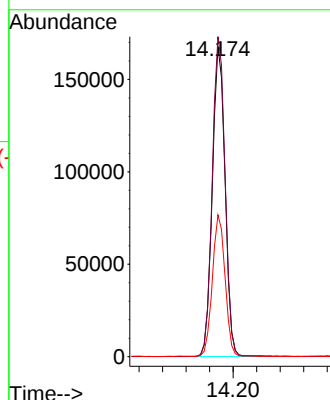
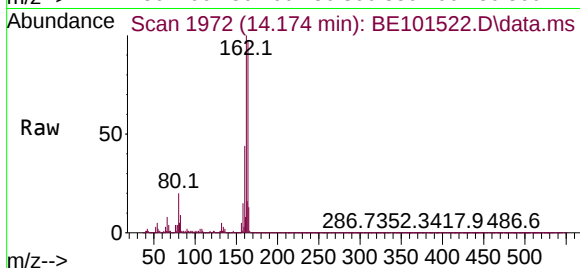
Tgt Ion:164 Resp: 251938

Ion Ratio Lower Upper

164 100

162 103.1 83.7 125.5

160 45.7 37.1 55.7



#42

2,4,6-Tribromophenol

Concen: 11.672 ng

RT: 15.684 min Scan# 2229

Delta R.T. 0.001 min

Lab File: BE101522.D

Acq: 7 Nov 2024 7:13

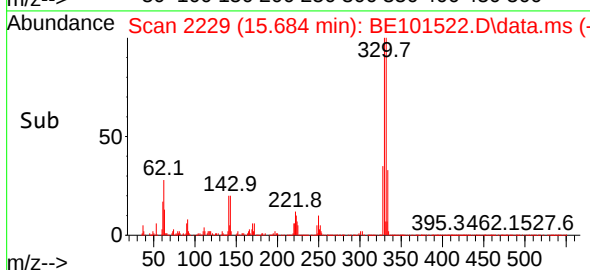
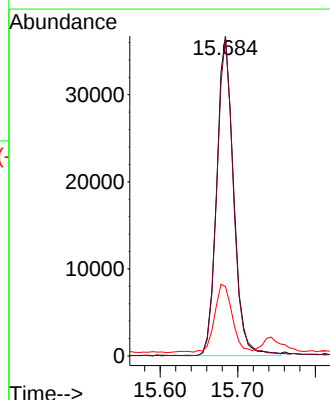
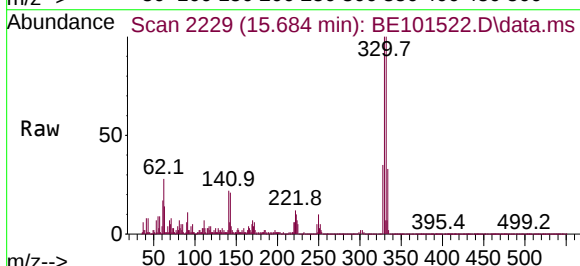
Tgt Ion:330 Resp: 55335

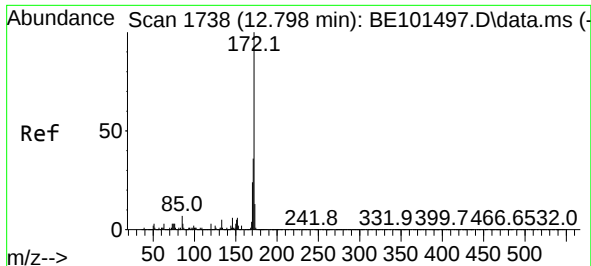
Ion Ratio Lower Upper

330 100

332 98.7 77.7 116.5

141 22.1 17.0 25.4

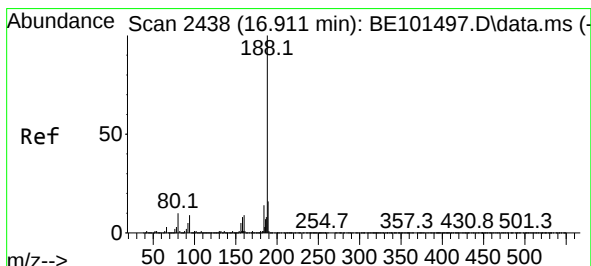
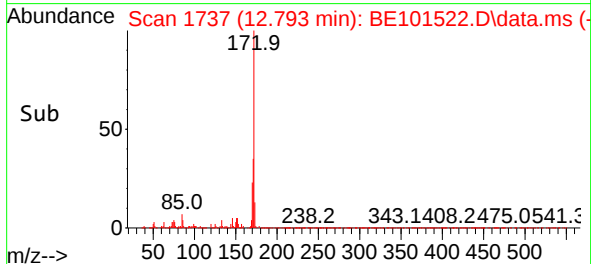
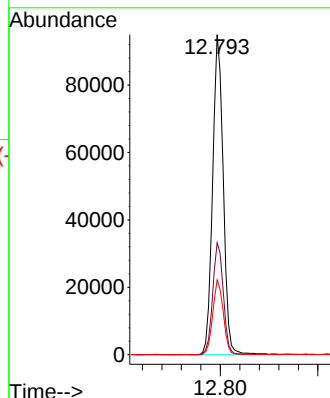
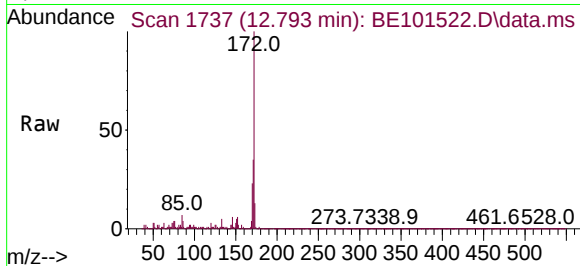




#45
2-Fluorobiphenyl
Concen: 9.279 ng
RT: 12.793 min Scan# 1737
Delta R.T. -0.005 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

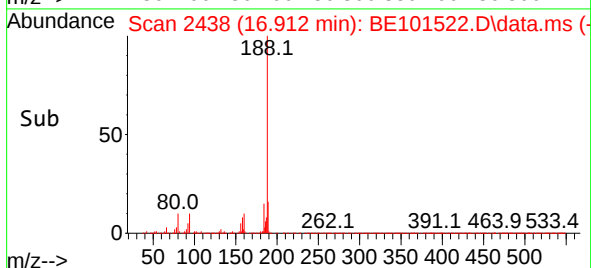
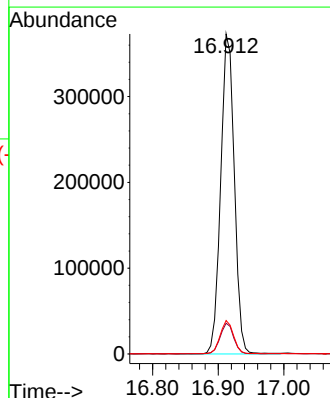
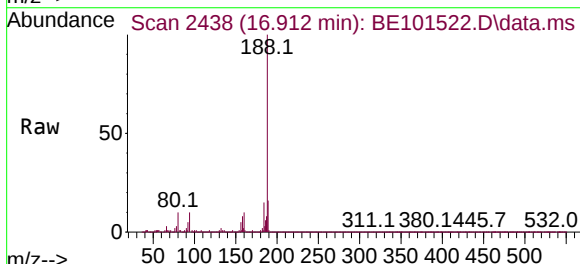
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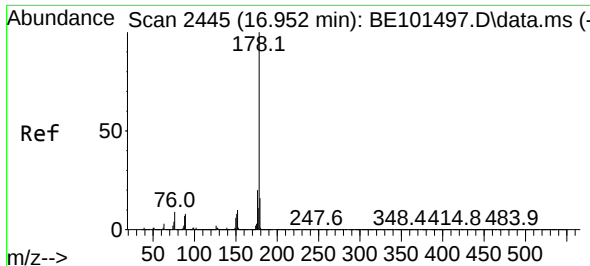
Tgt Ion:172 Resp: 143168
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.3 18.9 28.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.912 min Scan# 2438
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Tgt Ion:188 Resp: 534552
Ion Ratio Lower Upper
188 100
94 9.6 7.4 11.2
80 10.5 8.0 12.0

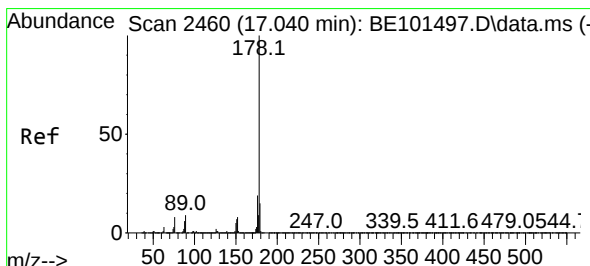
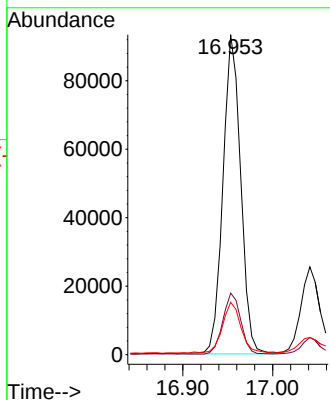
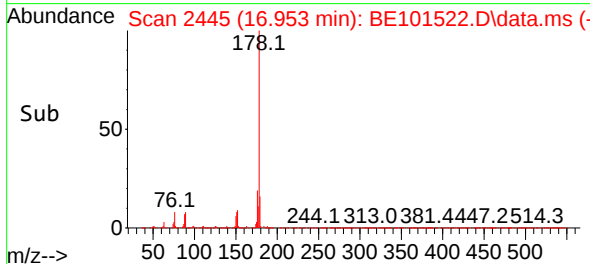
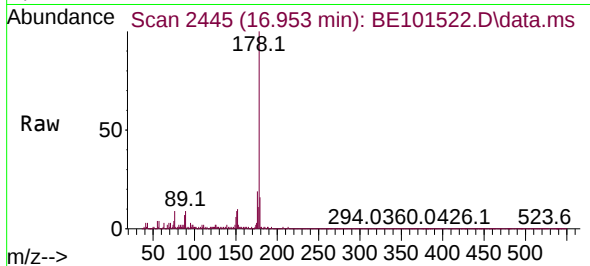




#71
Phenanthrene
Concen: 4.921 ng
RT: 16.953 min Scan# 2445
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

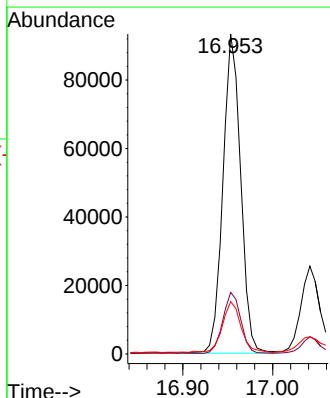
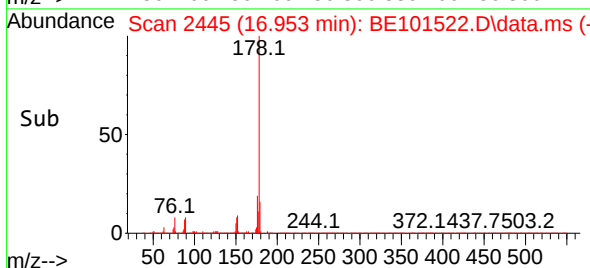
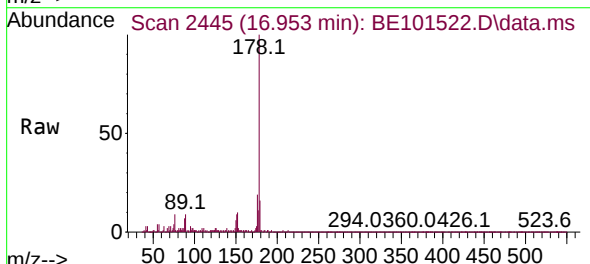
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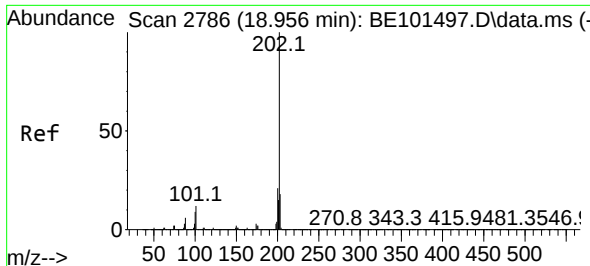
Tgt Ion:178 Resp: 127937
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 16.3 12.6 19.0



#72
Anthracene
Concen: 4.983 ng
RT: 16.953 min Scan# 2445
Delta R.T. -0.087 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Tgt Ion:178 Resp: 127937
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 16.3 12.4 18.6

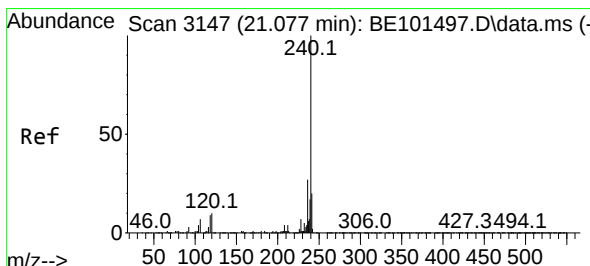
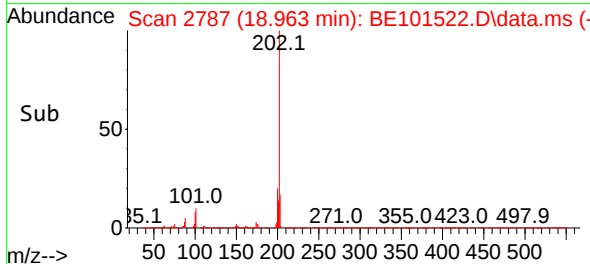
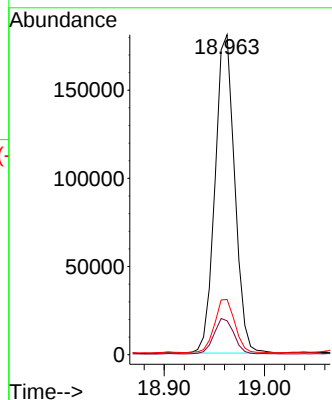
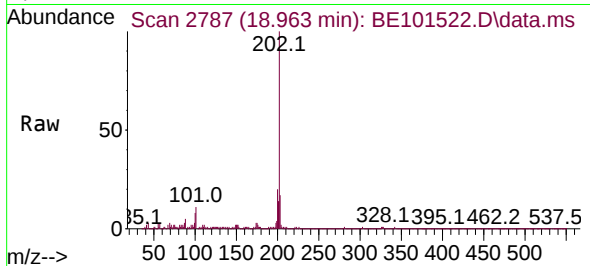




#75
Fluoranthene
Concen: 7.347 ng
RT: 18.963 min Scan# 21
Delta R.T. 0.007 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

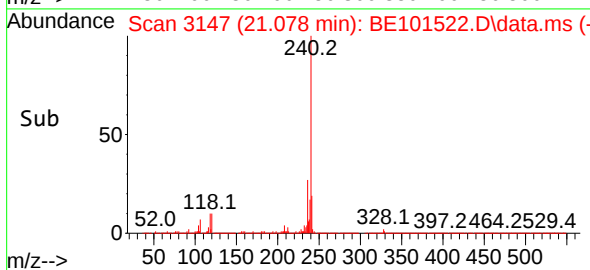
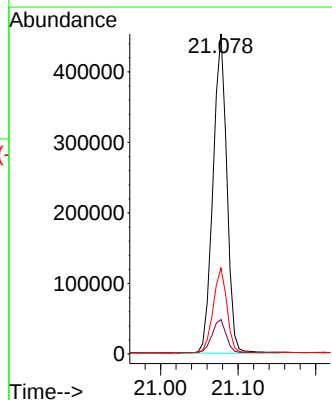
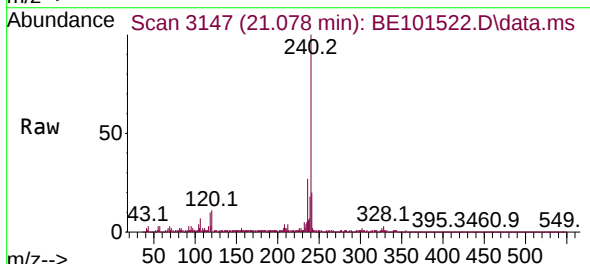
Instrument :
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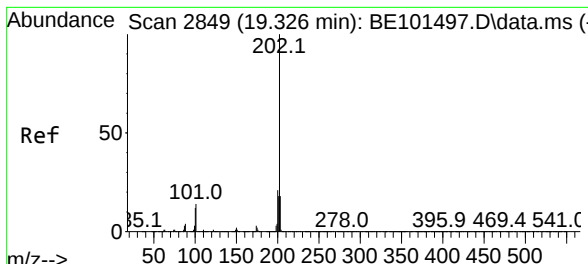
Tgt Ion:202 Resp: 244918
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.7
203 17.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.078 min Scan# 3147
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Tgt Ion:240 Resp: 559976
Ion Ratio Lower Upper
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120 10.8 8.2 12.4
236 26.8 21.4 32.2



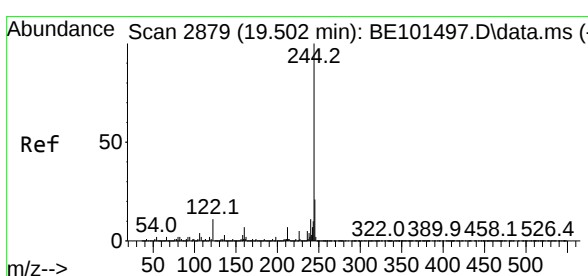
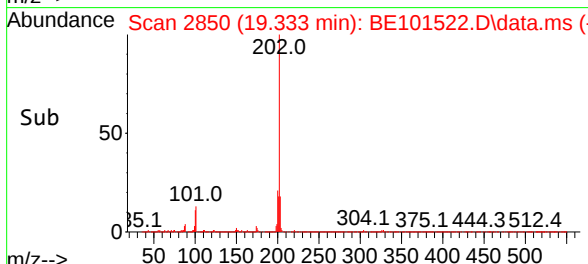
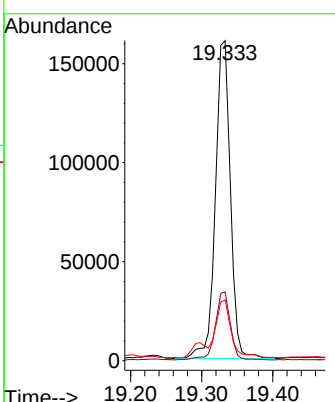
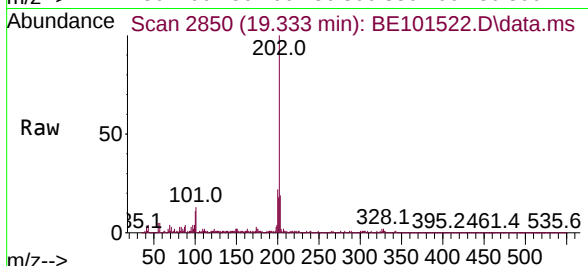


#78
 Pyrene
 Concen: 7.362 ng
 RT: 19.333 min Scan# 2850
 Delta R.T. 0.007 min
 Lab File: BE101522.D
 Acq: 7 Nov 2024 7:13

Instrument :
 BNA_E
 ClientSampleId :
 TR-04-110424

Tgt Ion: 202 Resp: 234553

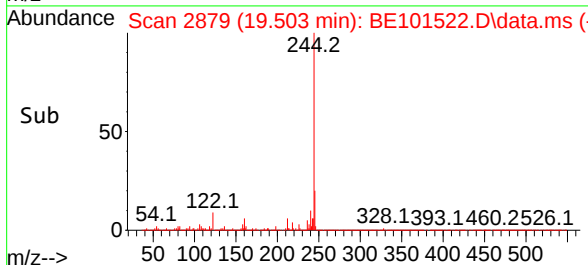
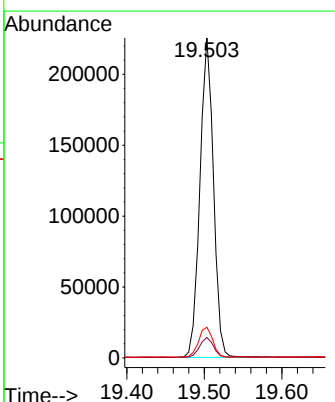
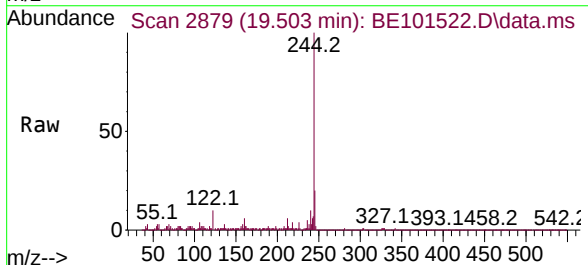
Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	19.0	14.2	21.4

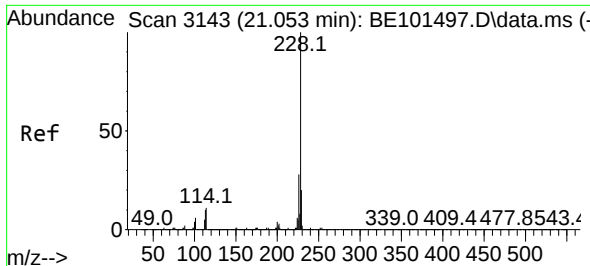


#79
 Terphenyl-d14
 Concen: 10.809 ng
 RT: 19.503 min Scan# 2879
 Delta R.T. 0.001 min
 Lab File: BE101522.D
 Acq: 7 Nov 2024 7:13

Tgt Ion: 244 Resp: 273434

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	9.6	8.4	12.6

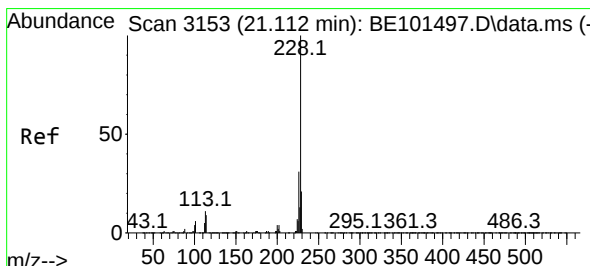
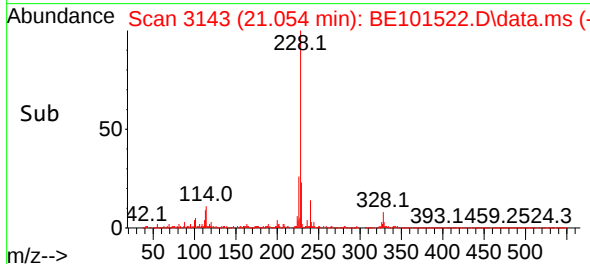
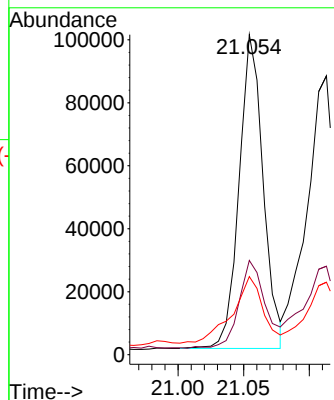
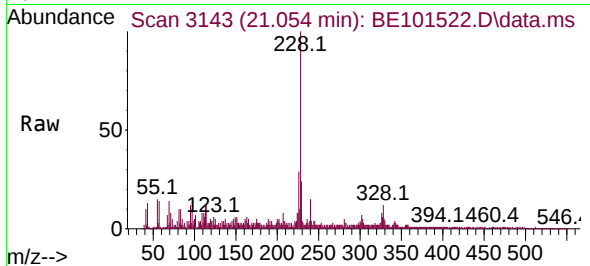




#81
Benzo(a)anthracene
Concen: 3.833 ng
RT: 21.054 min Scan# 3143
Delta R.T. 0.001 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

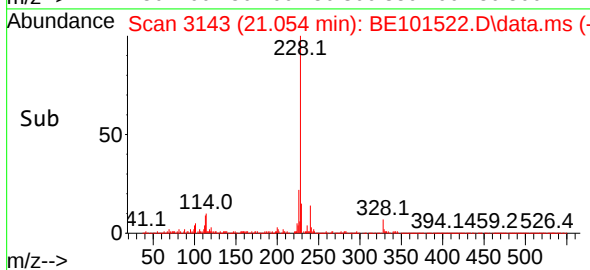
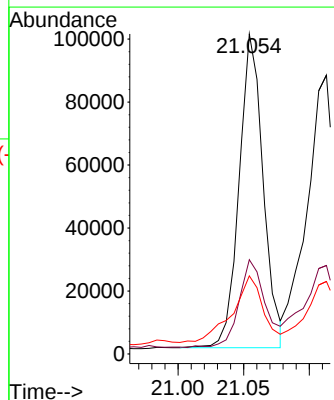
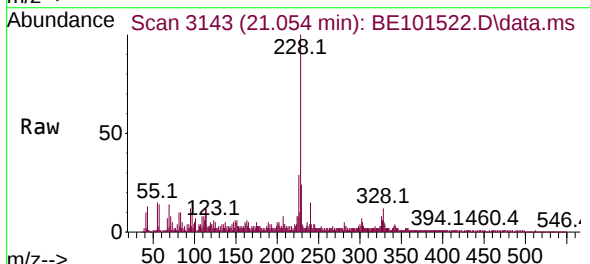
Instrument :
BNA_E
ClientSampleId :
TR-04-110424

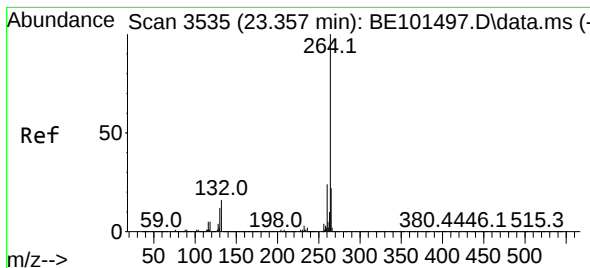
Tgt Ion:228 Resp: 127468
Ion Ratio Lower Upper
228 100
226 29.5 22.4 33.6
229 24.4 16.1 24.1#



#83
Chrysene
Concen: 4.032 ng
RT: 21.054 min Scan# 3143
Delta R.T. -0.058 min
Lab File: BE101522.D
Acq: 7 Nov 2024 7:13

Tgt Ion:228 Resp: 127468
Ion Ratio Lower Upper
228 100
226 29.5 25.1 37.7
229 24.4 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.375 min Scan# 3535

Delta R.T. 0.019 min

Lab File: BE101522.D

Acq: 7 Nov 2024 7:13

Instrument :

BNA_E

ClientSampleId :

TR-04-110424

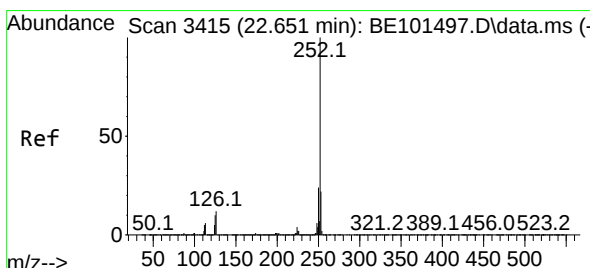
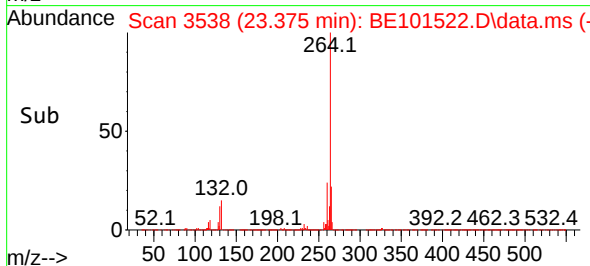
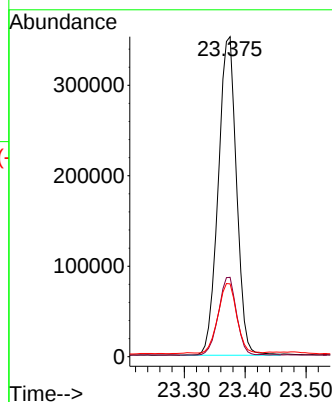
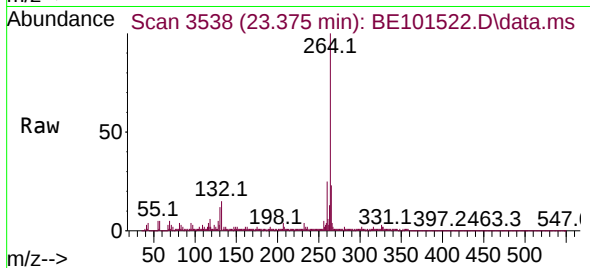
Tgt Ion:264 Resp: 732634

Ion Ratio Lower Upper

264 100

260 24.8 19.4 29.2

265 22.7 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 6.155 ng

RT: 22.658 min Scan# 3416

Delta R.T. 0.007 min

Lab File: BE101522.D

Acq: 7 Nov 2024 7:13

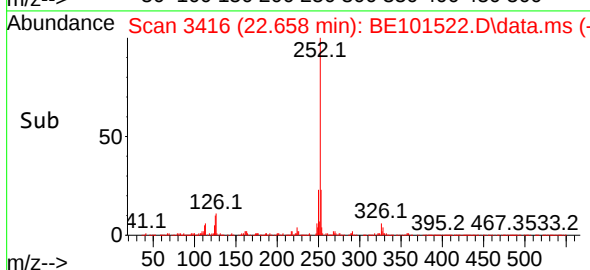
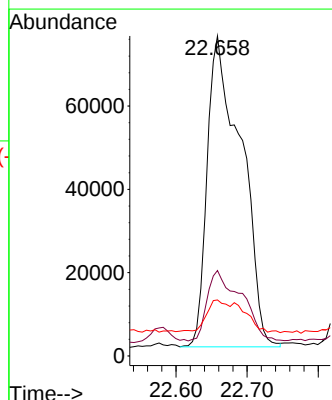
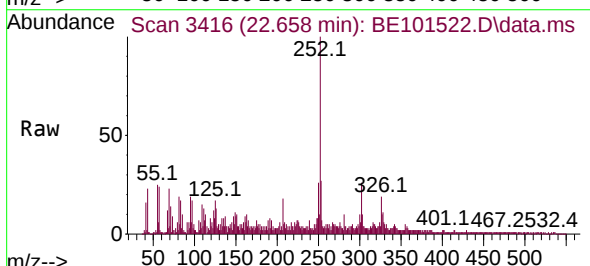
Tgt Ion:252 Resp: 247405

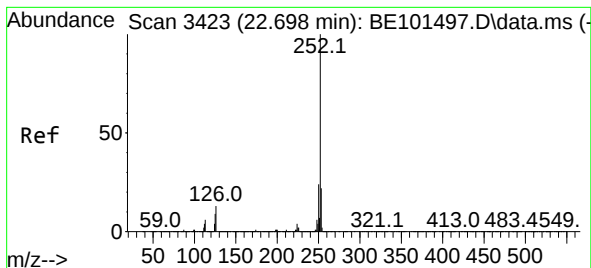
Ion Ratio Lower Upper

252 100

253 26.7 17.7 26.5#

125 17.5 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 6.780 ng

RT: 22.658 min Scan# 34

Delta R.T. -0.040 min

Lab File: BE101522.D

Acq: 7 Nov 2024 7:13

Instrument :

BNA_E

ClientSampleId :

TR-04-110424

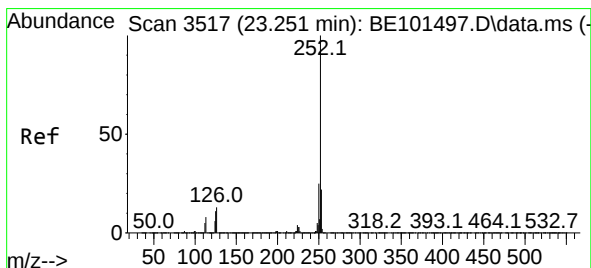
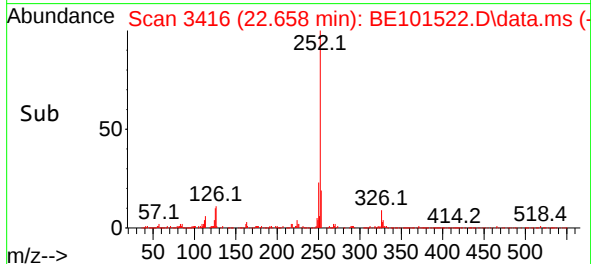
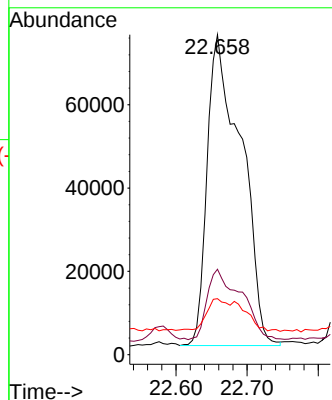
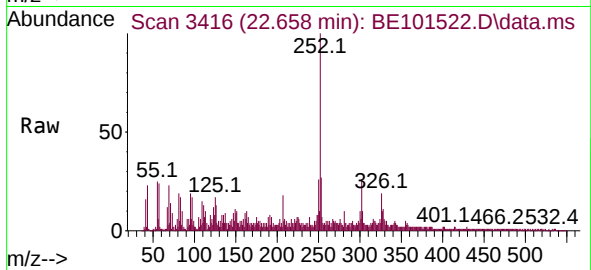
Tgt Ion:252 Resp: 247405

Ion Ratio Lower Upper

252 100

253 26.7 17.9 26.9

125 17.5 7.7 11.5#



#90

Benzo(a)pyrene

Concen: 4.233 ng

RT: 23.258 min Scan# 3518

Delta R.T. 0.007 min

Lab File: BE101522.D

Acq: 7 Nov 2024 7:13

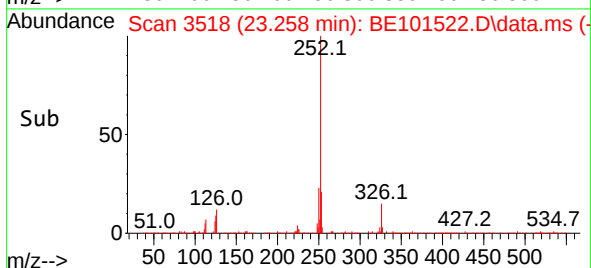
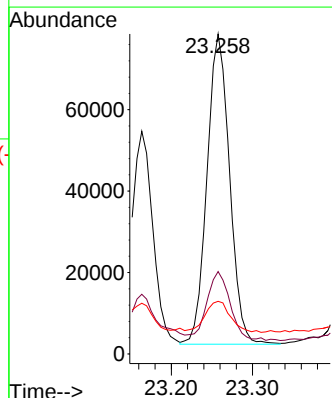
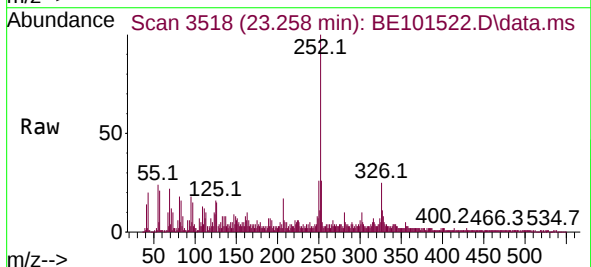
Tgt Ion:252 Resp: 146882

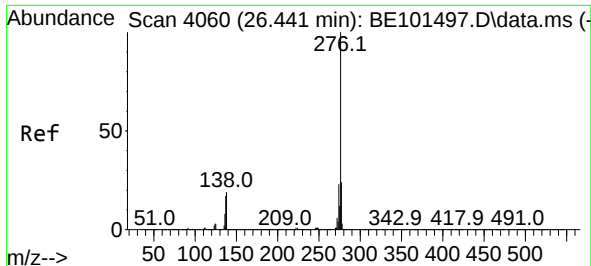
Ion Ratio Lower Upper

252 100

253 25.8 17.6 26.4

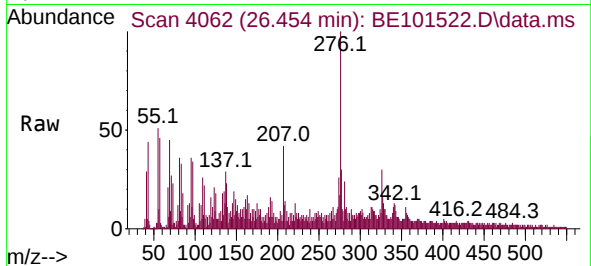
125 16.4 8.6 13.0#





#92
 Benzo(g,h,i)perylene
 Concen: 2.451 ng
 RT: 26.454 min Scan# 4062
 Delta R.T. 0.013 min
 Lab File: BE101522.D
 Acq: 7 Nov 2024 7:13

Instrument :
 BNA_E
 ClientSampleId :
 TR-04-110424



Tgt Ion: 276 Resp: 104390
 Ion Ratio Lower Upper
 276 100
 277 29.8 19.5 29.3#
 138 23.4 15.3 22.9#

