

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111324\
 Data File : BE101595.D
 Acq On : 13 Nov 2024 14:56
 Operator : RC/JU
 Sample : P4811-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RB24008

Quant Time: Nov 13 16:33:25 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)

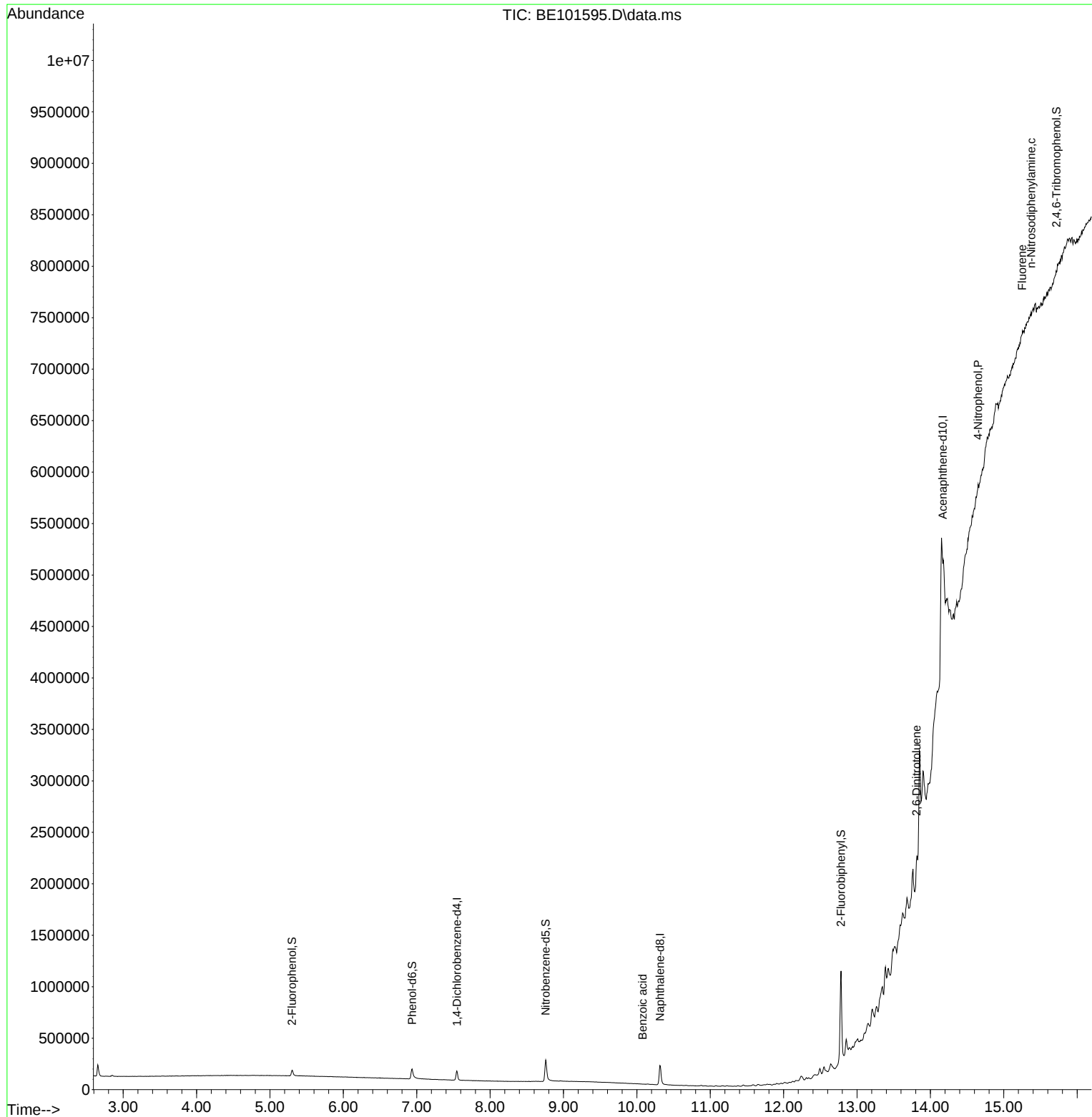
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.547	152	28486	20.000	ng	-0.02
21) Naphthalene-d8	10.314	136	196283	20.000	ng	#-0.02
39) Acenaphthene-d10	14.169	164	168606	20.000	ng	0.00
64) Phenanthrene-d10	17.018	188	83688	20.000	ng	# 0.11
76) Chrysene-d12	21.102	240	319599	20.000	ng	0.02
86) Perylene-d12	23.346	264	432778	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.302	112	27389	17.001	ng	-0.01
7) Phenol-d6	6.936	99	95263	43.128	ng	-0.01
23) Nitrobenzene-d5	8.757	82	157038	50.536	ng	-0.02
42) 2,4,6-Tribromophenol	15.720	330	35676	11.245	ng	0.04
45) 2-Fluorobiphenyl	12.782	172	453773	43.944	ng	-0.02
79) Terphenyl-d14	19.592	244	363266	25.160	ng	0.09
Target Compounds						Qvalue
32) Benzoic acid	10.079	122	35	6.850	ng	91
51) 2,6-Dinitrotoluene	13.810	165	6513	2.350	ng	# 43
56) 4-Nitrophenol	14.650	139	14570	6.559	ng	# 1
58) Fluorene	15.250	166	44276	3.777	ng	# 1
66) n-Nitrosodiphenylamine	15.373	169	14935	6.725	ng	# 1
69) Atrazine	16.431	200	24883	37.949	ng	# 1
70) Pentachlorophenol	16.713	266	1718	2.607	ng	# 5
71) Phenanthrene	17.083	178	40523	9.956	ng	# 1
72) Anthracene	17.200	178	12759	3.174	ng	# 1
73) Carbazole	17.476	167	9561	2.372	ng	# 1
75) Fluoranthene	19.086	202	35180	6.741	ng	# 1
81) Benzo(a)anthracene	21.137	228	72334	3.811	ng	95
83) Chrysene	21.137	228	72334	4.009	ng	97
88) Benzo(b)fluoranthene	22.641	252	137433	5.788	ng	# 94
89) Benzo(k)fluoranthene	22.641	252	137433	6.376	ng	# 95
90) Benzo(a)pyrene	23.234	252	56504	2.756	ng	# 93
92) Benzo(g,h,i)perylene	26.390	276	58426	2.322	ng	100

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

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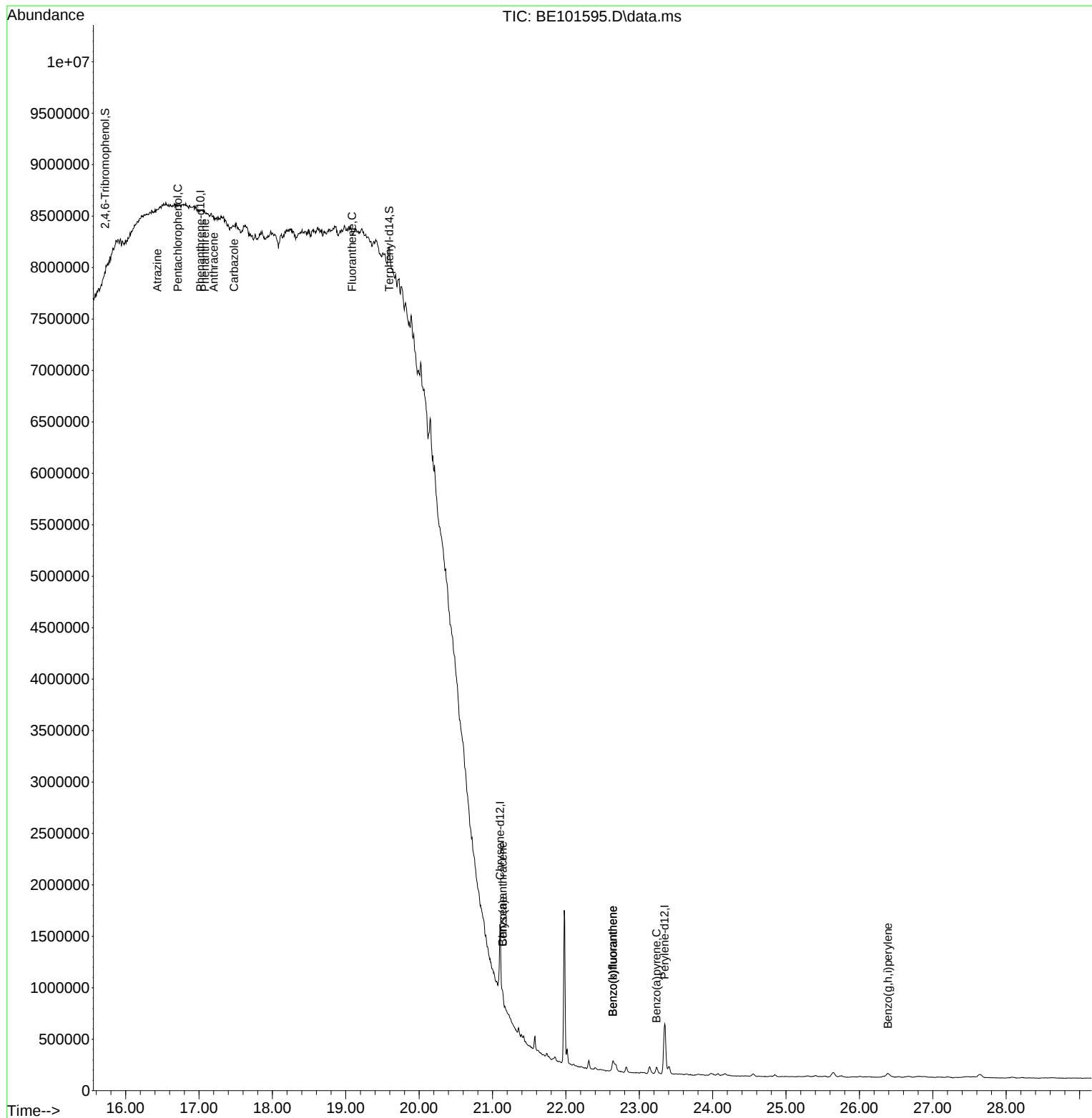
Quant Time: Nov 13 16:33:25 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111324\
Data File : BE101595.D
Acq On : 13 Nov 2024 14:56
Operator : RC/JU
Sample : P4811-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
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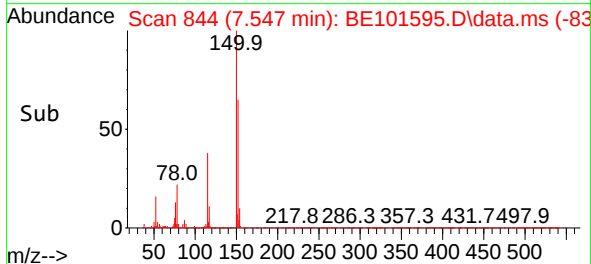
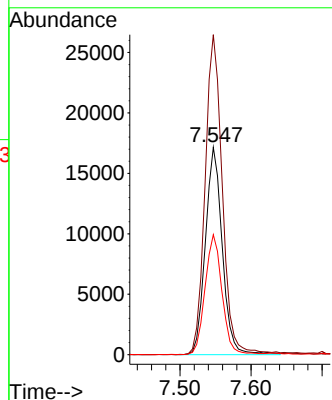
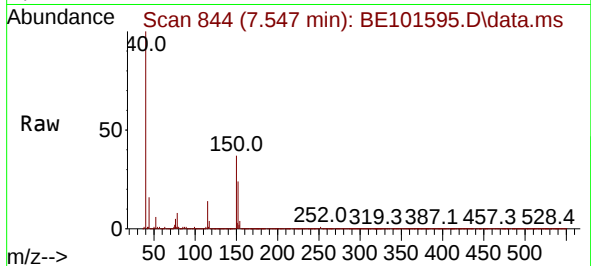




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.547 min Scan# 84
Delta R.T. -0.016 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

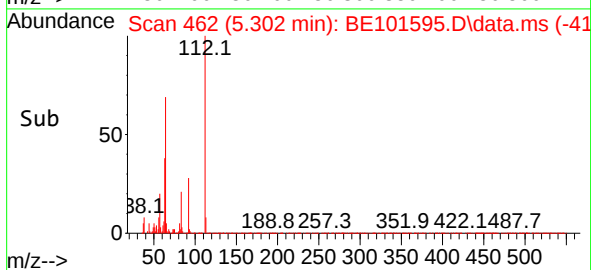
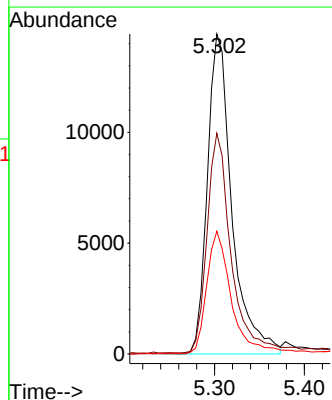
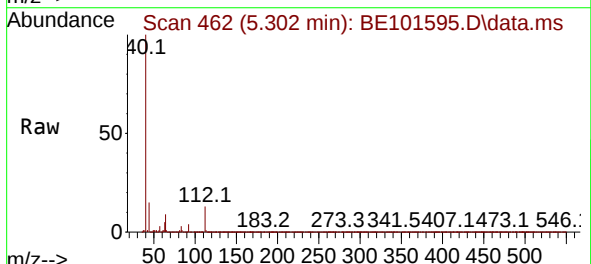
Instrument :
BNA_E
ClientSampleId :
RB24008

Tgt Ion:152 Resp: 28486
Ion Ratio Lower Upper
152 100
150 154.3 126.3 189.5
115 57.9 45.0 67.4



#5
2-Fluorophenol
Concen: 17.001 ng
RT: 5.302 min Scan# 462
Delta R.T. -0.010 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

Tgt Ion:112 Resp: 27389
Ion Ratio Lower Upper
112 100
64 69.0 43.2 64.8#
63 38.4 21.8 32.6#

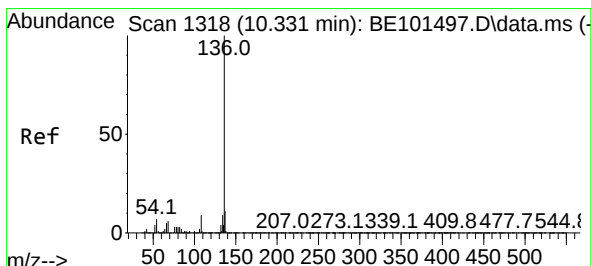
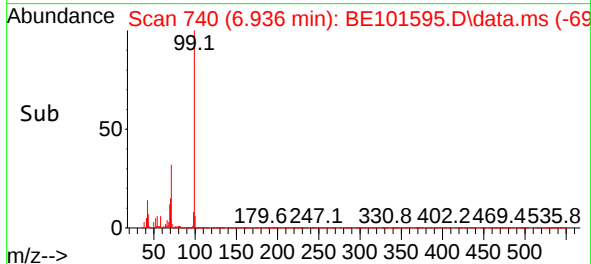
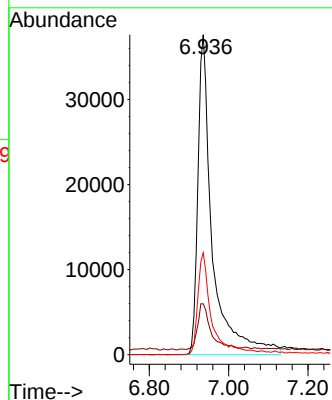
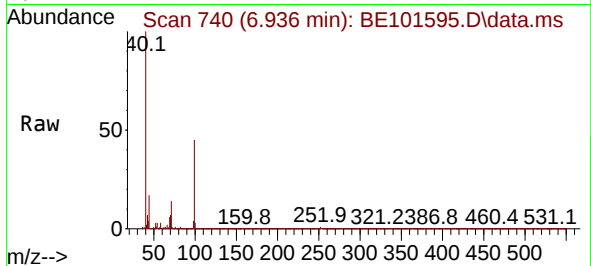




#7
Phenol-d6
Concen: 43.128 ng
RT: 6.936 min Scan# 742
Delta R.T. -0.010 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

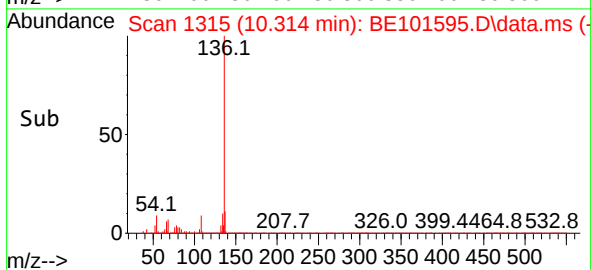
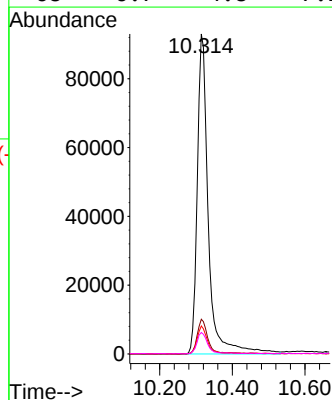
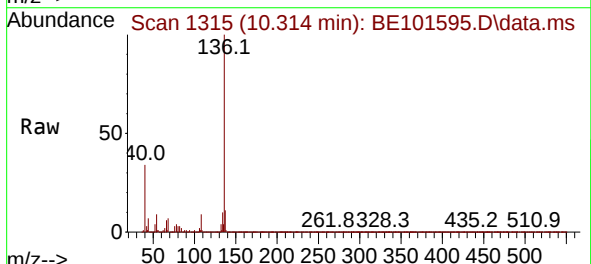
Instrument :
BNA_E
ClientSampleId :
RB24008

Tgt Ion: 99 Resp: 95263
Ion Ratio Lower Upper
99 100
42 15.9 12.5 18.7
71 31.8 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.314 min Scan# 1315
Delta R.T. -0.016 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

Tgt Ion: 136 Resp: 196283
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.7 5.6 8.4#
68 6.7 4.8 7.2

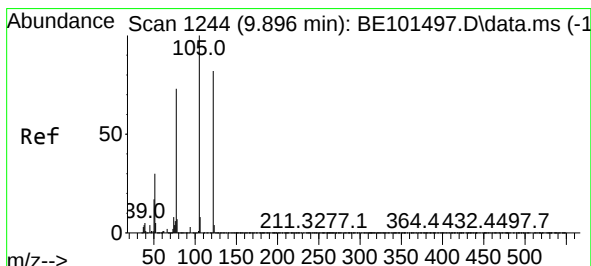
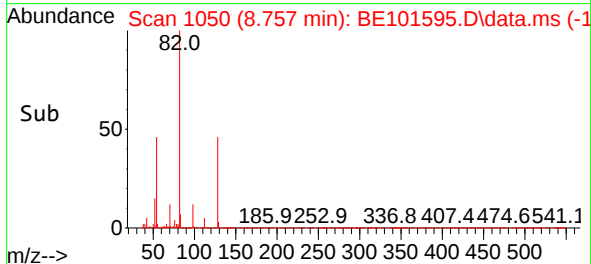
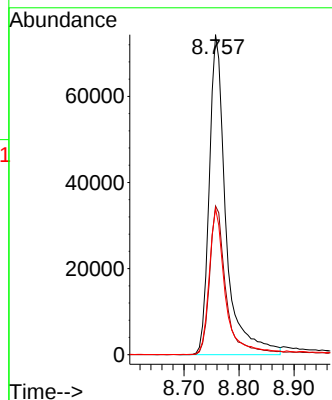
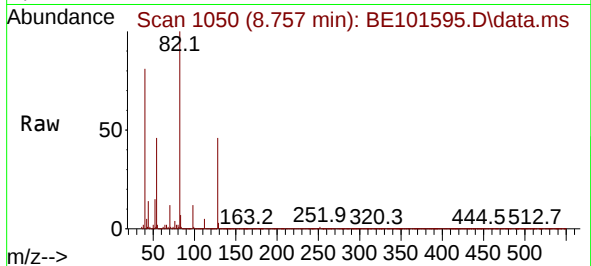




#23
Nitrobenzene-d5
Concen: 50.536 ng
RT: 8.757 min Scan# 1050
Delta R.T. -0.016 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

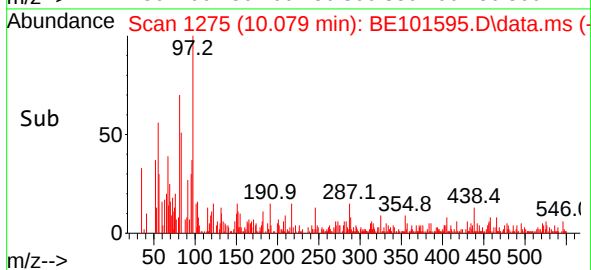
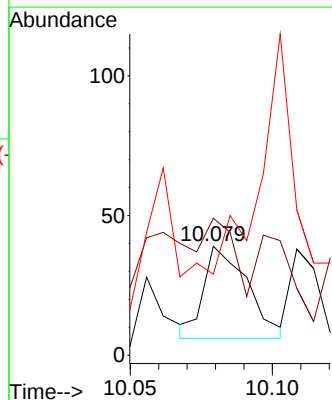
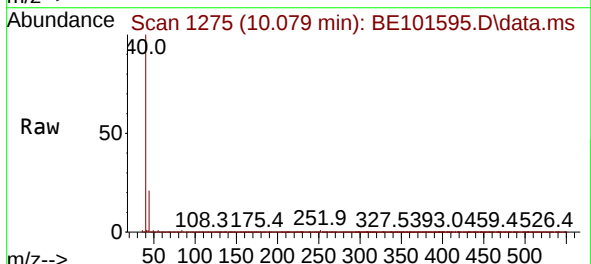
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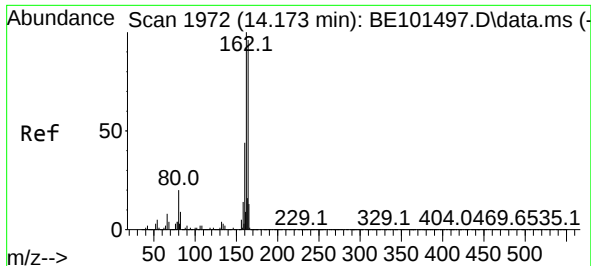
Tgt Ion: 82 Resp: 157038
Ion Ratio Lower Upper
82 100
128 46.4 38.6 58.0
54 45.6 36.3 54.5



#32
Benzoic acid
Concen: 6.850 ng
RT: 10.079 min Scan# 1275
Delta R.T. 0.183 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

Tgt Ion: 122 Resp: 35
Ion Ratio Lower Upper
122 100
105 125.6 100.6 140.6
77 74.4 68.6 108.6

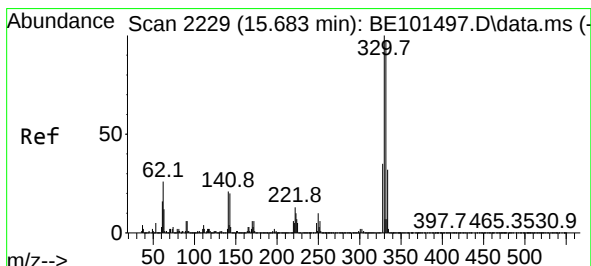
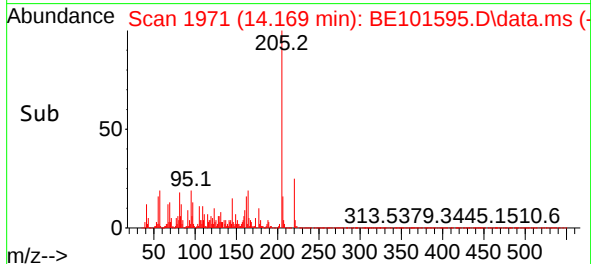
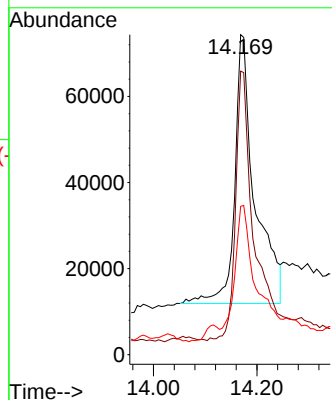
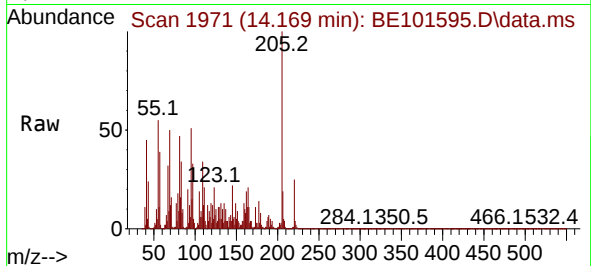




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.169 min Scan# 1972
Delta R.T. -0.005 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

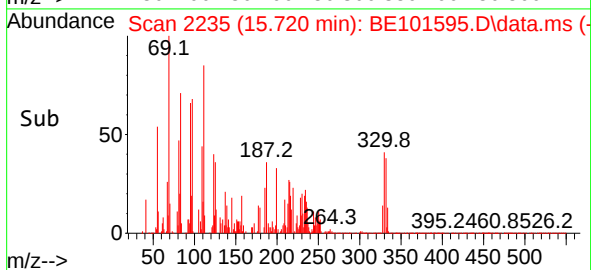
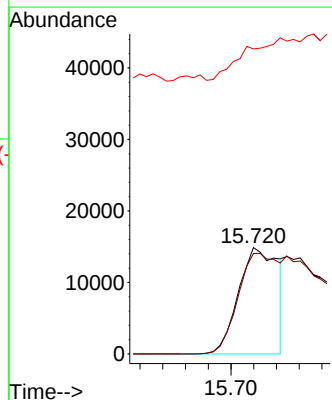
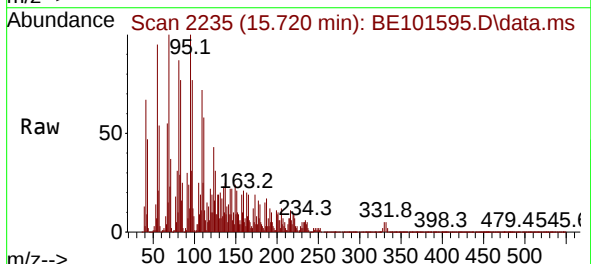
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ClientSampleId :
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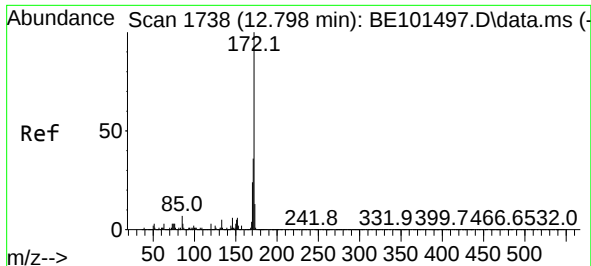
Tgt Ion:164 Resp: 168606
Ion Ratio Lower Upper
164 100
162 88.6 83.7 125.5
160 46.3 37.1 55.7



#42
2,4,6-Tribromophenol
Concen: 11.245 ng
RT: 15.720 min Scan# 2235
Delta R.T. 0.037 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

Tgt Ion:330 Resp: 35676
Ion Ratio Lower Upper
330 100
332 97.4 77.7 116.5
141 0.0 17.0 25.4

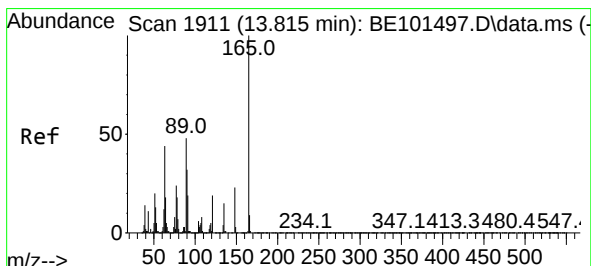
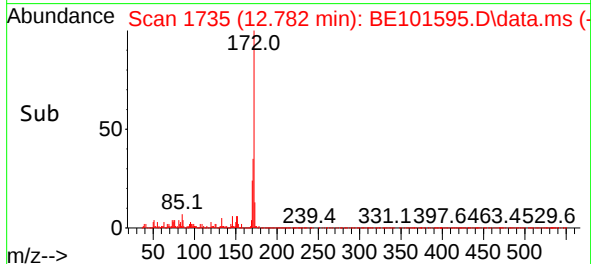
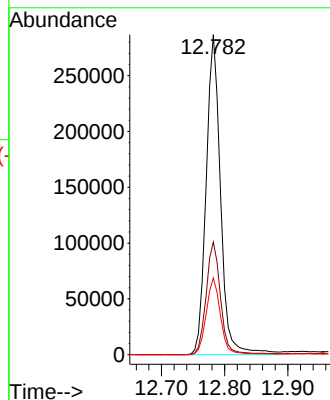
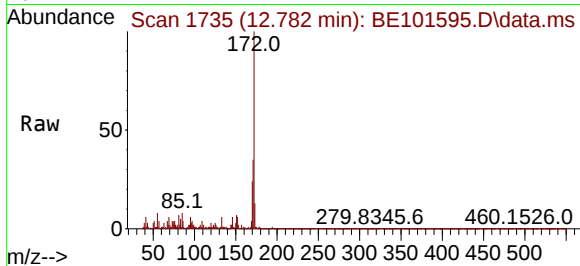




#45
2-Fluorobiphenyl
Concen: 43.944 ng
RT: 12.782 min Scan# 1735
Delta R.T. -0.016 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

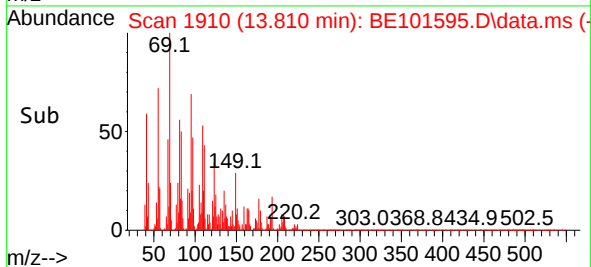
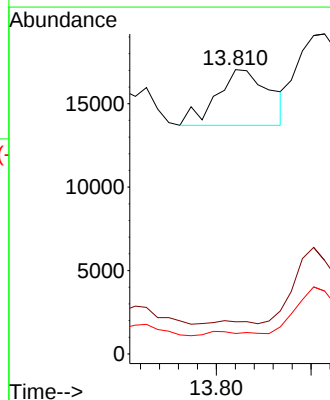
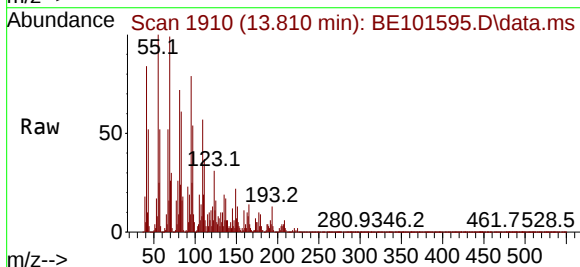
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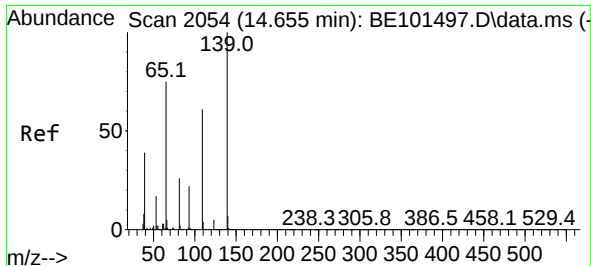
Tgt Ion:172 Resp: 453773
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 24.0 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 2.350 ng
RT: 13.810 min Scan# 1910
Delta R.T. -0.005 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

Tgt Ion:165 Resp: 6513
Ion Ratio Lower Upper
165 100
63 11.3 37.2 55.8#
89 7.2 38.4 57.6#

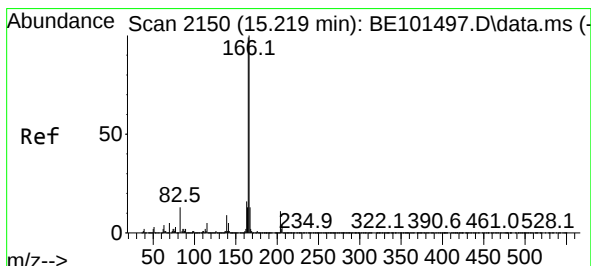
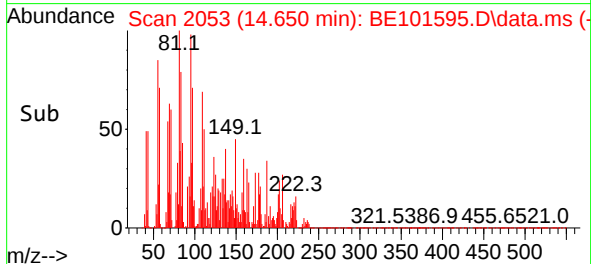
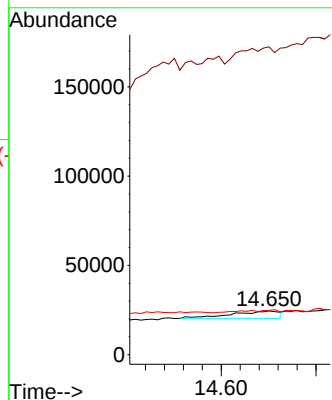
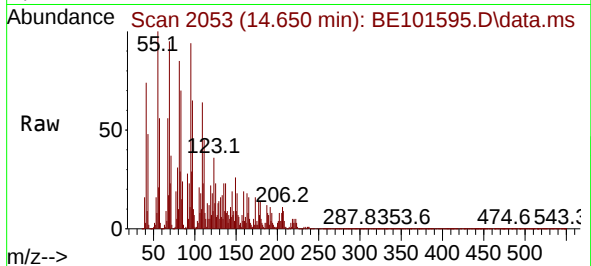




#56
4-Nitrophenol
Concen: 6.559 ng
RT: 14.650 min Scan# 2054
Delta R.T. -0.005 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

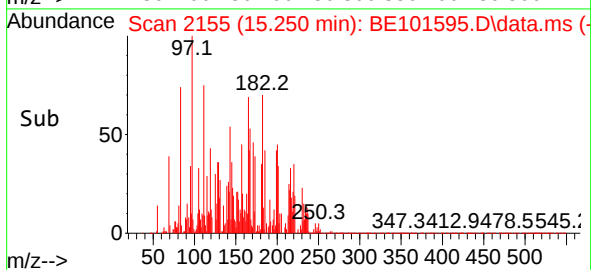
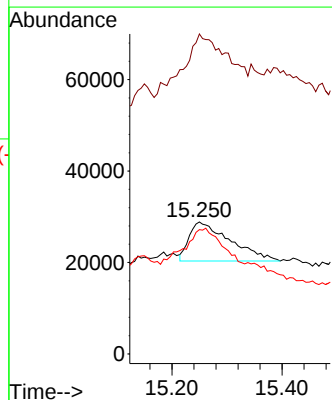
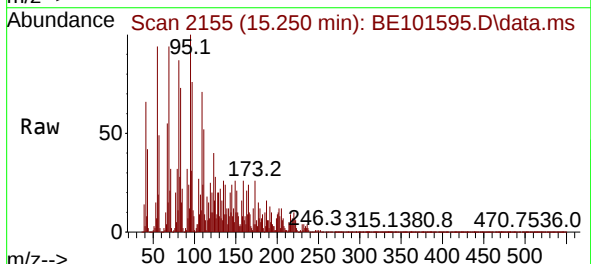
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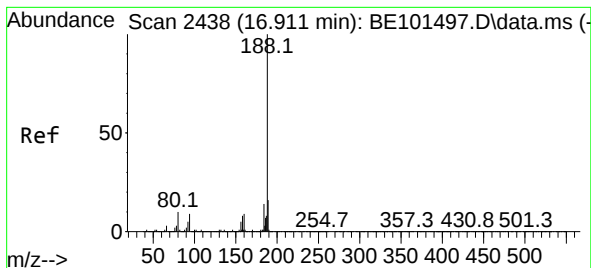
Tgt Ion:139 Resp: 14570
Ion Ratio Lower Upper
139 100
109 705.9 40.7 80.7#
65 101.6 58.0 98.0#



#58
Fluorene
Concen: 3.777 ng
RT: 15.250 min Scan# 2155
Delta R.T. 0.031 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

Tgt Ion:166 Resp: 44276
Ion Ratio Lower Upper
166 100
165 242.5 79.0 118.4#
167 94.3 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.018 min Scan# 2438

Delta R.T. 0.107 min

Lab File: BE101595.D

Acq: 13 Nov 2024 14:56

Instrument :

BNA_E

ClientSampleId :

RB24008

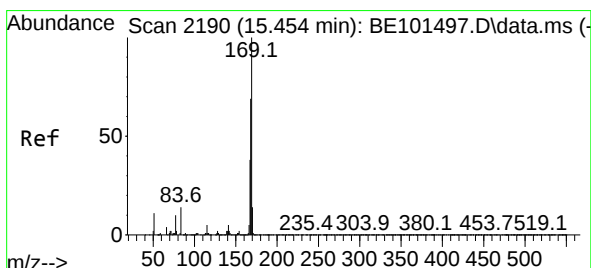
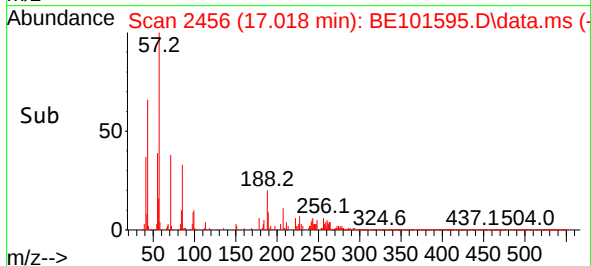
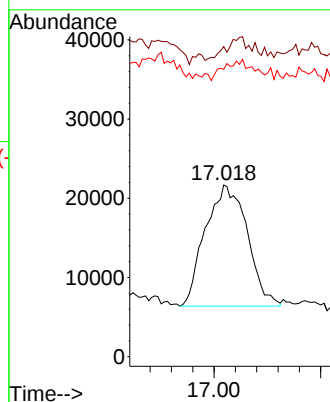
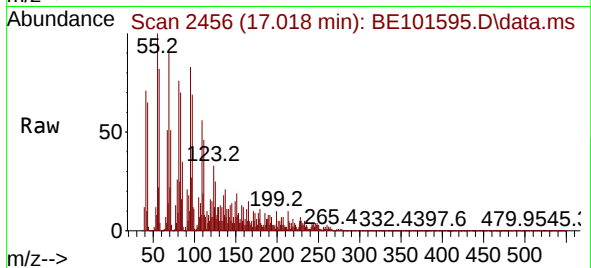
Tgt Ion:188 Resp: 83688

Ion Ratio Lower Upper

188 100

94 180.6 7.4 11.2#

80 167.4 8.0 12.0#



#66

n-Nitrosodiphenylamine

Concen: 6.725 ng

RT: 15.373 min Scan# 2176

Delta R.T. -0.081 min

Lab File: BE101595.D

Acq: 13 Nov 2024 14:56

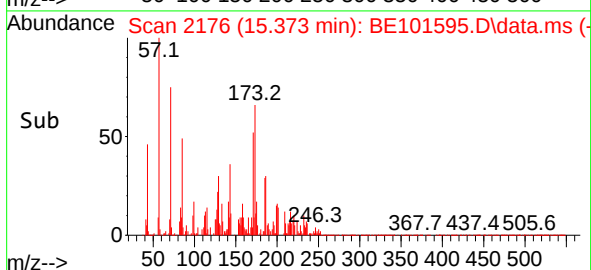
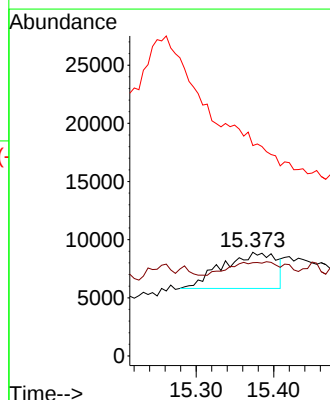
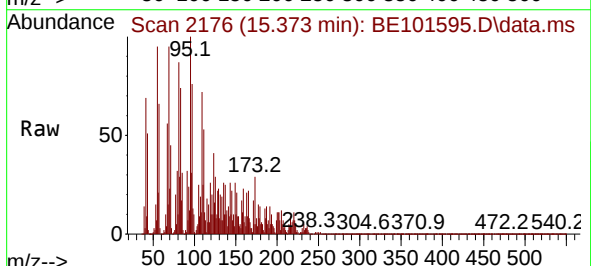
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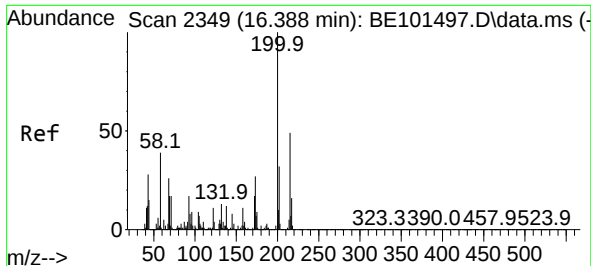
Ion Ratio Lower Upper

169 100

168 90.1 55.5 83.3#

167 203.0 30.4 45.6#

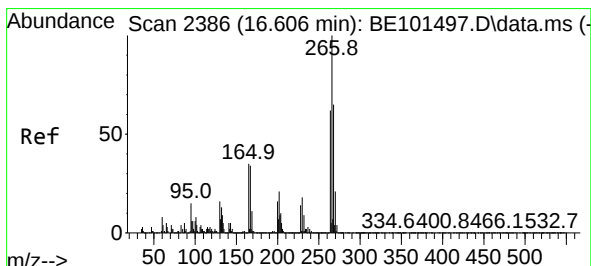
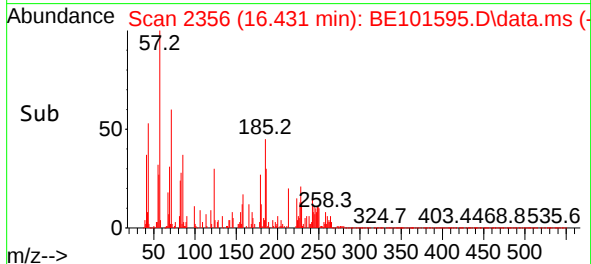
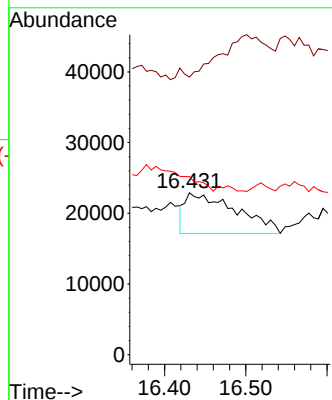
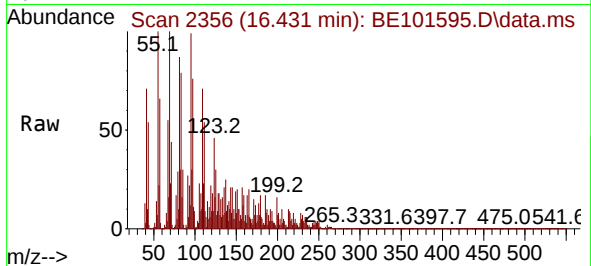




#69
Atrazine
Concen: 37.949 ng
RT: 16.431 min Scan# 21
Delta R.T. 0.042 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

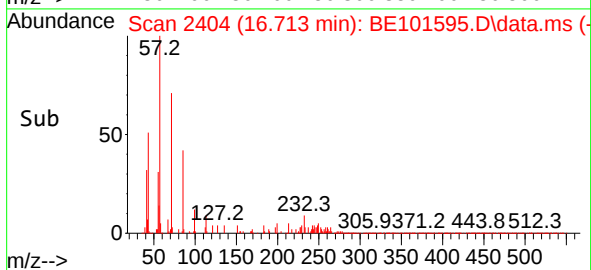
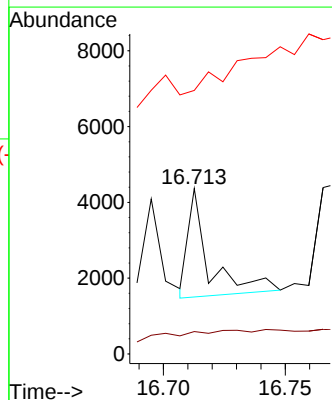
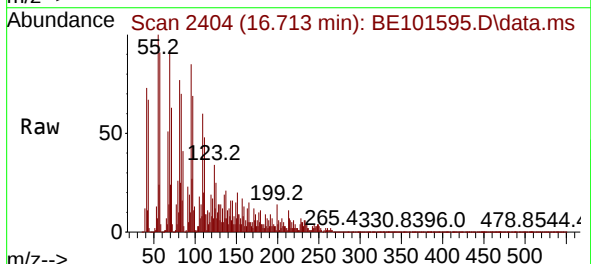
Instrument :
BNA_E
ClientSampleId :
RB24008

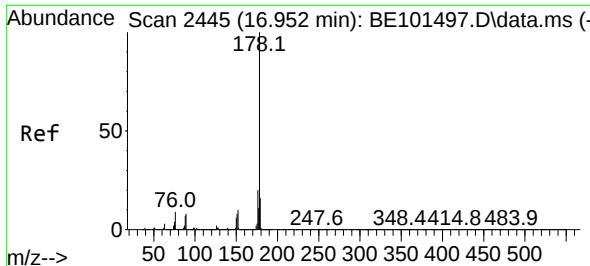
Tgt Ion:200 Resp: 24883
Ion Ratio Lower Upper
200 100
173 171.5 7.4 47.4#
215 110.0 28.9 68.9#



#70
Pentachlorophenol
Concen: 2.607 ng
RT: 16.713 min Scan# 2404
Delta R.T. 0.107 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

Tgt Ion:266 Resp: 1718
Ion Ratio Lower Upper
266 100
268 13.6 52.0 78.0#
264 159.3 49.6 74.4#

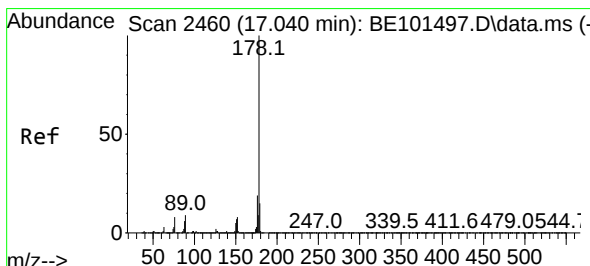
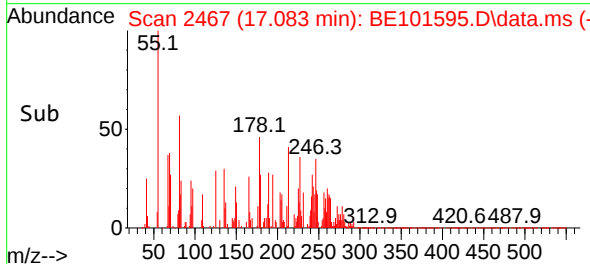
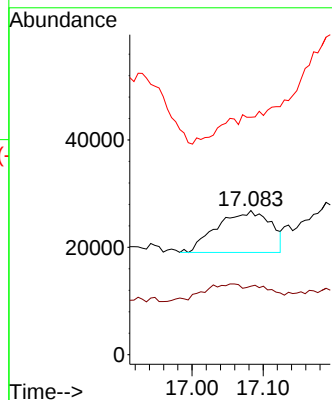
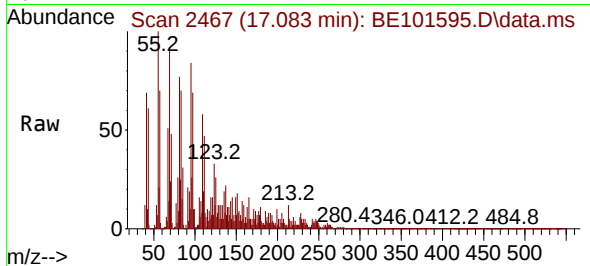




#71
Phenanthrene
Concen: 9.956 ng
RT: 17.083 min Scan# 2445
Delta R.T. 0.131 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

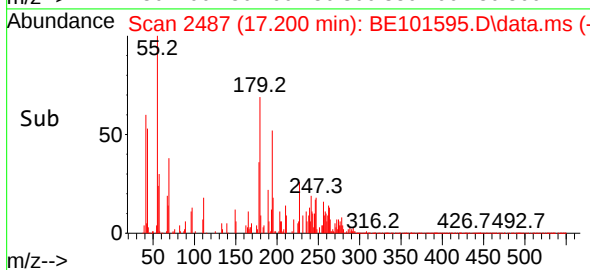
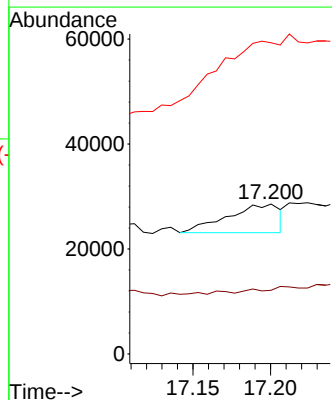
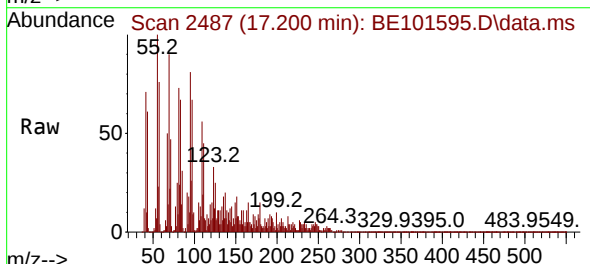
Instrument :
BNA_E
ClientSampleId :
RB24008

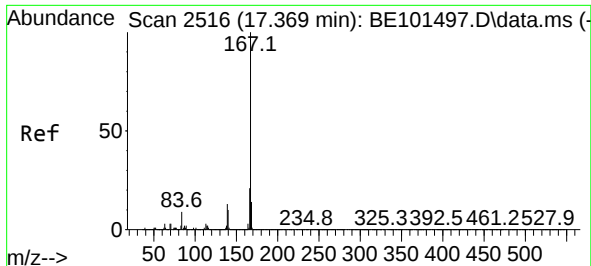
Tgt Ion:178 Resp: 40523
Ion Ratio Lower Upper
178 100
176 47.5 15.8 23.8#
179 164.7 12.6 19.0#



#72
Anthracene
Concen: 3.174 ng
RT: 17.200 min Scan# 2487
Delta R.T. 0.160 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

Tgt Ion:178 Resp: 12759
Ion Ratio Lower Upper
178 100
176 42.4 15.1 22.7#
179 207.5 12.4 18.6#

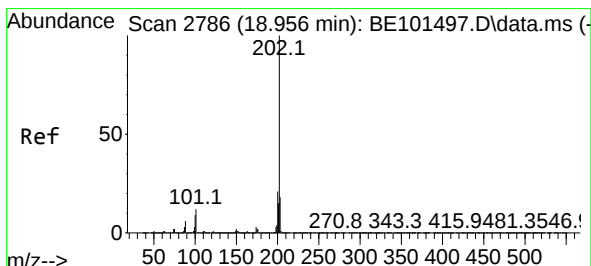
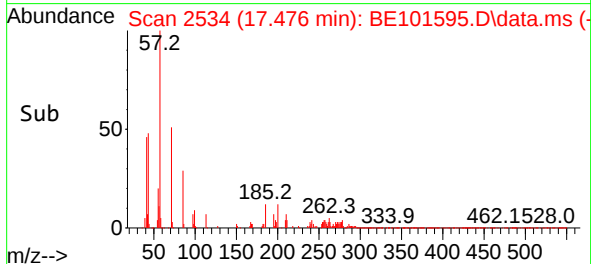
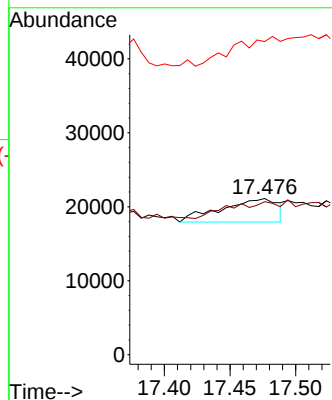
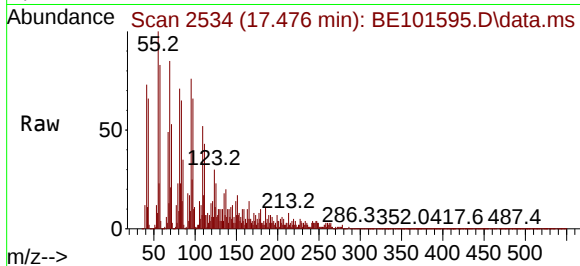




#73
Carbazole
Concen: 2.372 ng
RT: 17.476 min Scan# 21
Delta R.T. 0.107 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

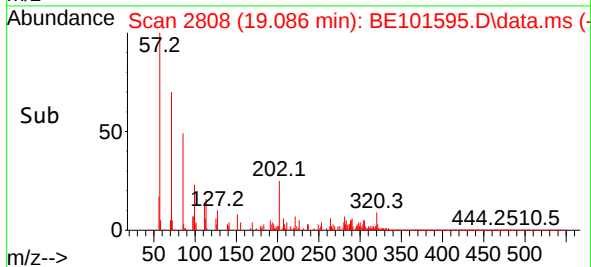
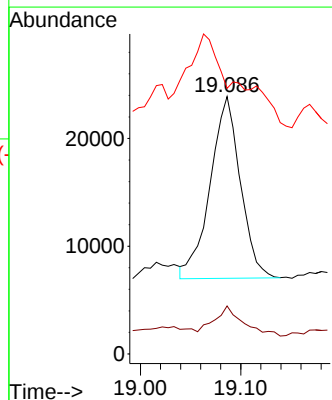
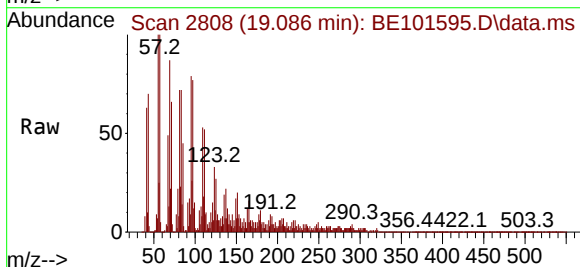
Instrument :
BNA_E
ClientSampleId :
RB24008

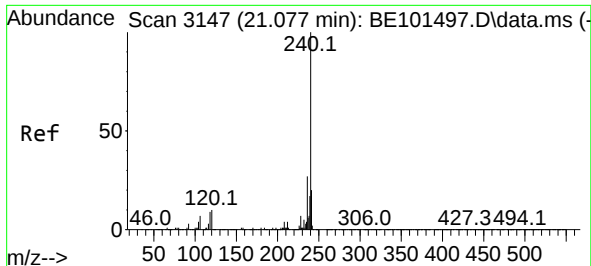
Tgt Ion:167 Resp: 9561
Ion Ratio Lower Upper
167 100
166 98.0 17.1 25.7#
139 200.5 10.2 15.2#



#75
Fluoranthene
Concen: 6.741 ng
RT: 19.086 min Scan# 2808
Delta R.T. 0.131 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

Tgt Ion:202 Resp: 35180
Ion Ratio Lower Upper
202 100
101 18.6 0.0 31.7
203 103.1 0.0 37.8#

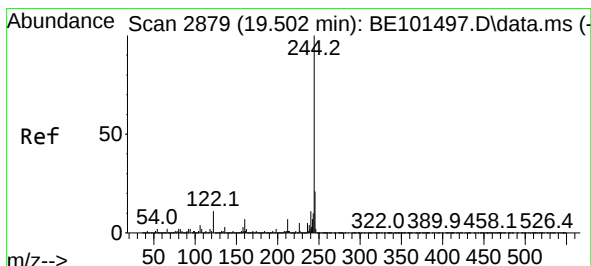
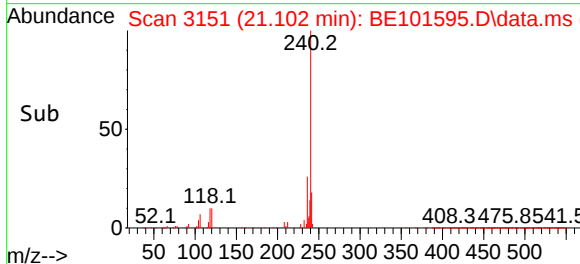
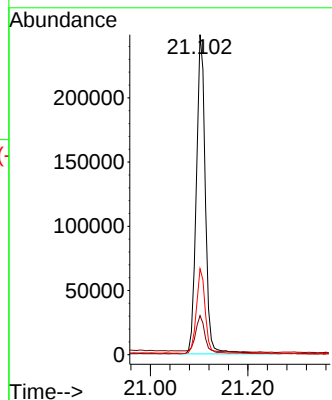
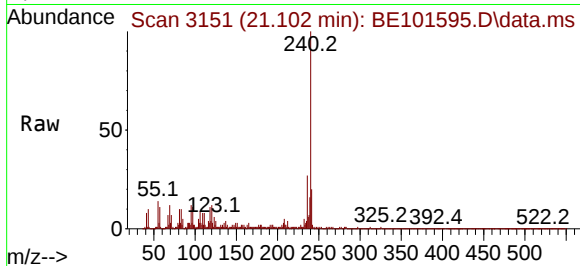




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.102 min Scan# 3147
Delta R.T. 0.025 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

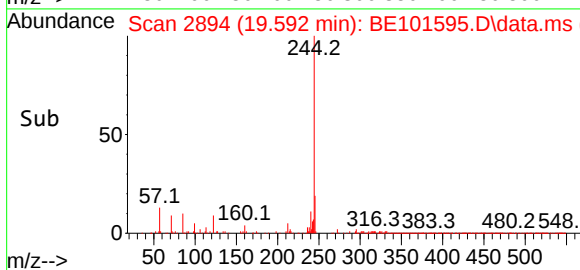
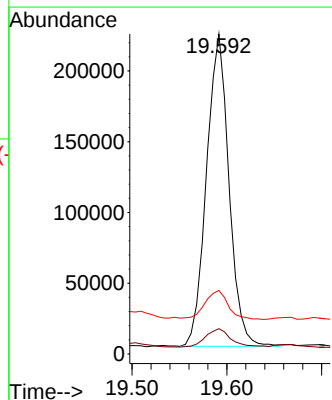
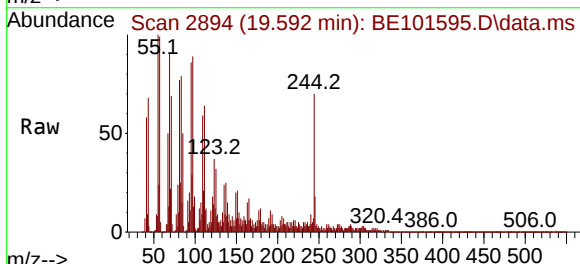
Instrument :
BNA_E
ClientSampleId :
RB24008

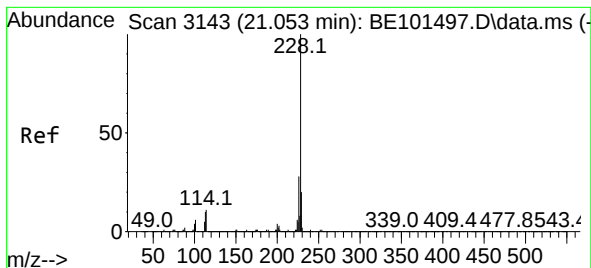
Tgt Ion:240 Resp: 319599
Ion Ratio Lower Upper
240 100
120 12.2 8.2 12.4
236 26.9 21.4 32.2



#79
Terphenyl-d14
Concen: 25.160 ng
RT: 19.592 min Scan# 2894
Delta R.T. 0.089 min
Lab File: BE101595.D
Acq: 13 Nov 2024 14:56

Tgt Ion:244 Resp: 363266
Ion Ratio Lower Upper
244 100
212 7.9 5.8 8.8
122 19.8 8.4 12.6#





#81

Benzo(a)anthracene

Concen: 3.811 ng

RT: 21.137 min Scan# 3157

Delta R.T. 0.084 min

Lab File: BE101595.D

Acq: 13 Nov 2024 14:56

Instrument :

BNA_E

ClientSampleId :

RB24008

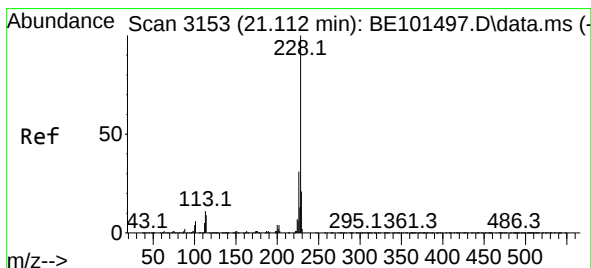
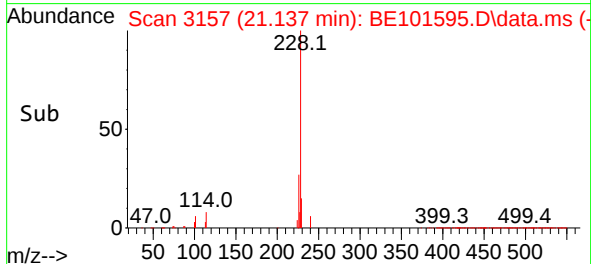
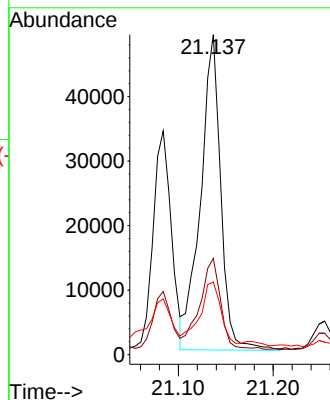
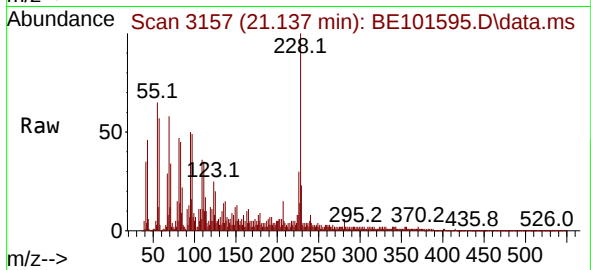
Tgt Ion:228 Resp: 72334

Ion Ratio Lower Upper

228 100

226 30.1 22.4 33.6

229 22.7 16.1 24.1



#83

Chrysene

Concen: 4.009 ng

RT: 21.137 min Scan# 3157

Delta R.T. 0.025 min

Lab File: BE101595.D

Acq: 13 Nov 2024 14:56

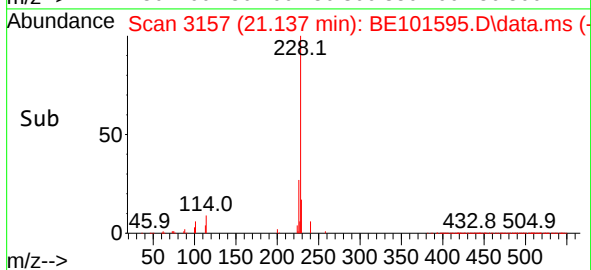
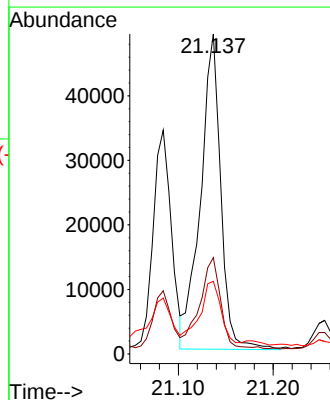
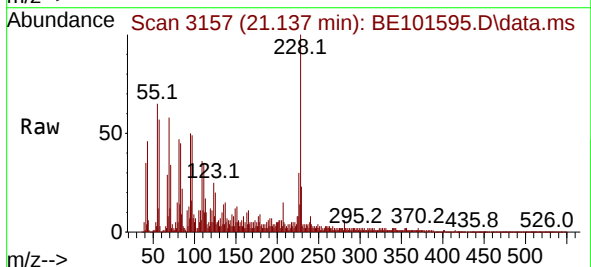
Tgt Ion:228 Resp: 72334

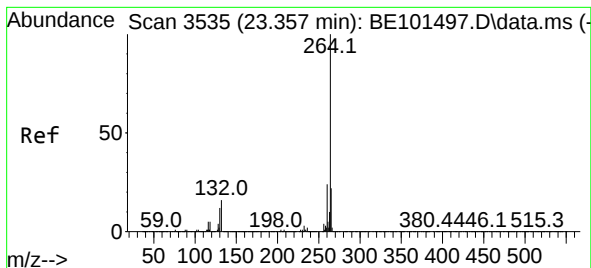
Ion Ratio Lower Upper

228 100

226 30.1 25.1 37.7

229 22.7 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.346 min Scan# 3

Delta R.T. -0.011 min

Lab File: BE101595.D

Acq: 13 Nov 2024 14:56

Instrument :

BNA_E

ClientSampleId :

RB24008

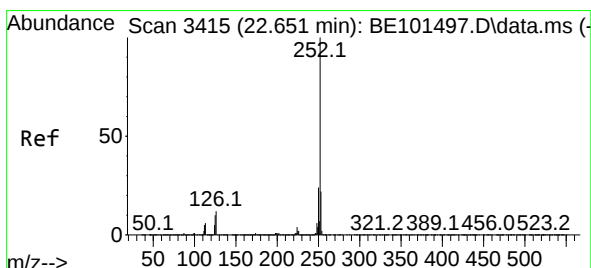
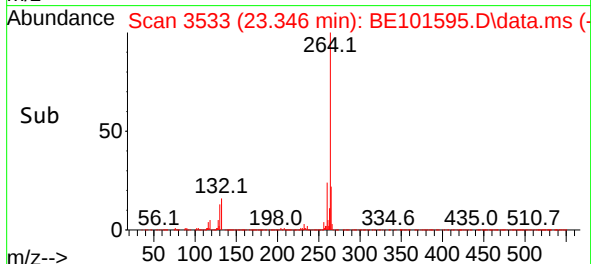
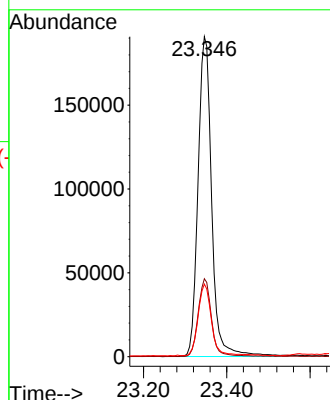
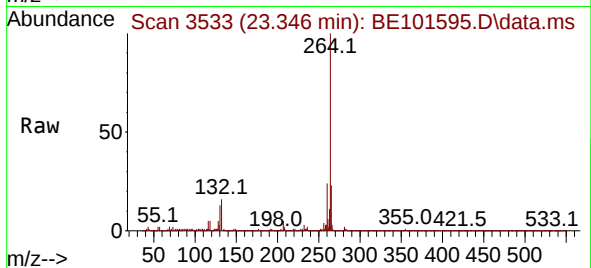
Tgt Ion:264 Resp: 432778

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 22.7 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 5.788 ng

RT: 22.641 min Scan# 3413

Delta R.T. -0.011 min

Lab File: BE101595.D

Acq: 13 Nov 2024 14:56

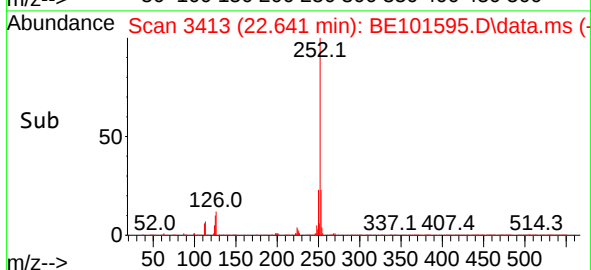
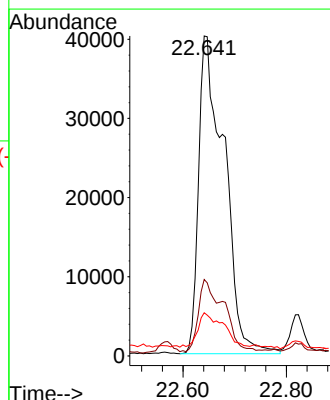
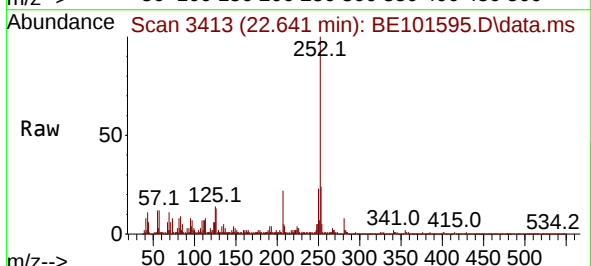
Tgt Ion:252 Resp: 137433

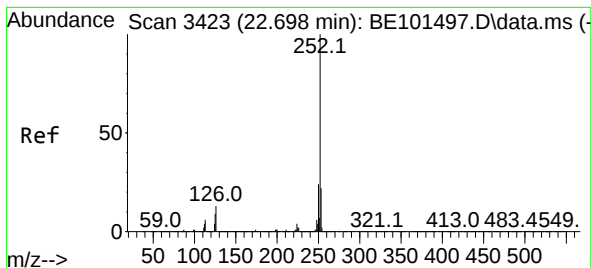
Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 13.5 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 6.376 ng

RT: 22.641 min Scan# 34

Delta R.T. -0.058 min

Lab File: BE101595.D

Acq: 13 Nov 2024 14:56

Instrument :

BNA_E

ClientSampleId :

RB24008

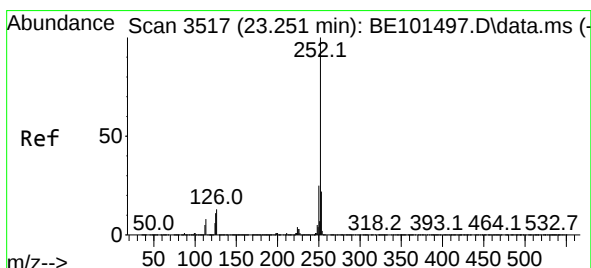
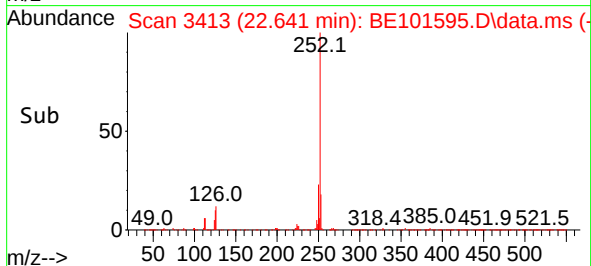
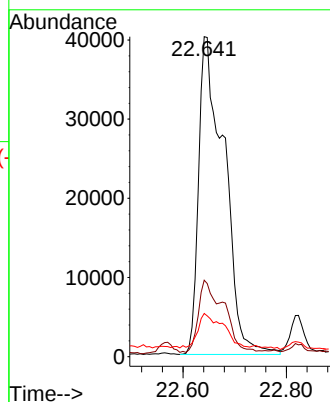
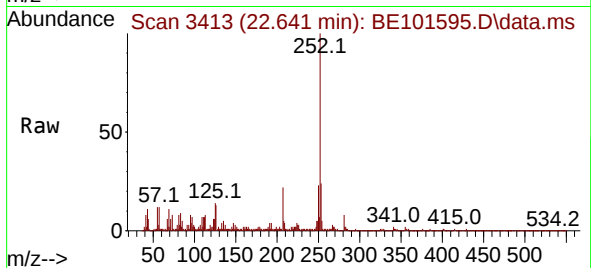
Tgt Ion:252 Resp: 137433

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

125 13.5 7.7 11.5#



#90

Benzo(a)pyrene

Concen: 2.756 ng

RT: 23.234 min Scan# 3514

Delta R.T. -0.016 min

Lab File: BE101595.D

Acq: 13 Nov 2024 14:56

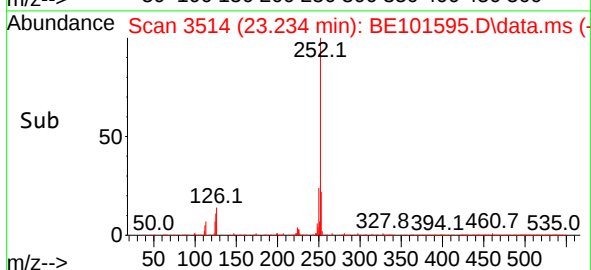
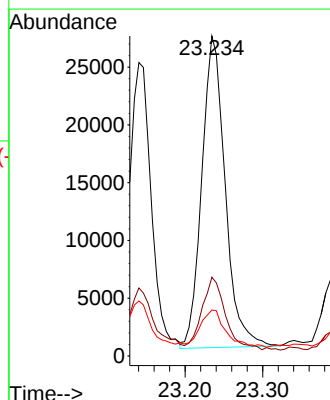
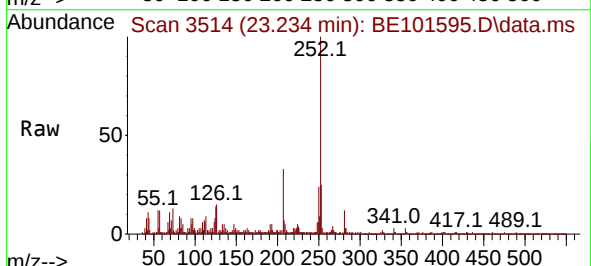
Tgt Ion:252 Resp: 56504

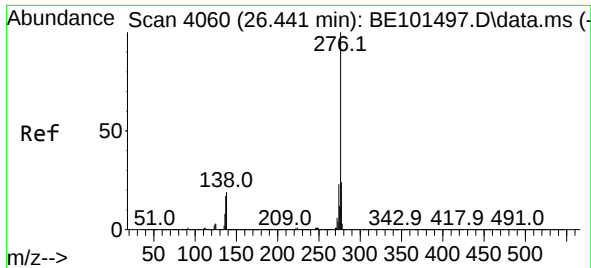
Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 14.4 8.6 13.0#





#92
 Benzo(g,h,i)perylene
 Concen: 2.322 ng
 RT: 26.390 min Scan# 4060
 Delta R.T. -0.052 min
 Lab File: BE101595.D
 Acq: 13 Nov 2024 14:56

Instrument :
 BNA_E
 ClientSampleId :
 RB24008

Tgt Ion:276 Resp: 58426
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.5 29.3
 138 19.2 15.3 22.9

