

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
 Data File : BE101551.D
 Acq On : 8 Nov 2024 14:32
 Operator : RC/JU
 Sample : P4694-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 Z-03A

Quant Time: Nov 08 14:31:47 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)

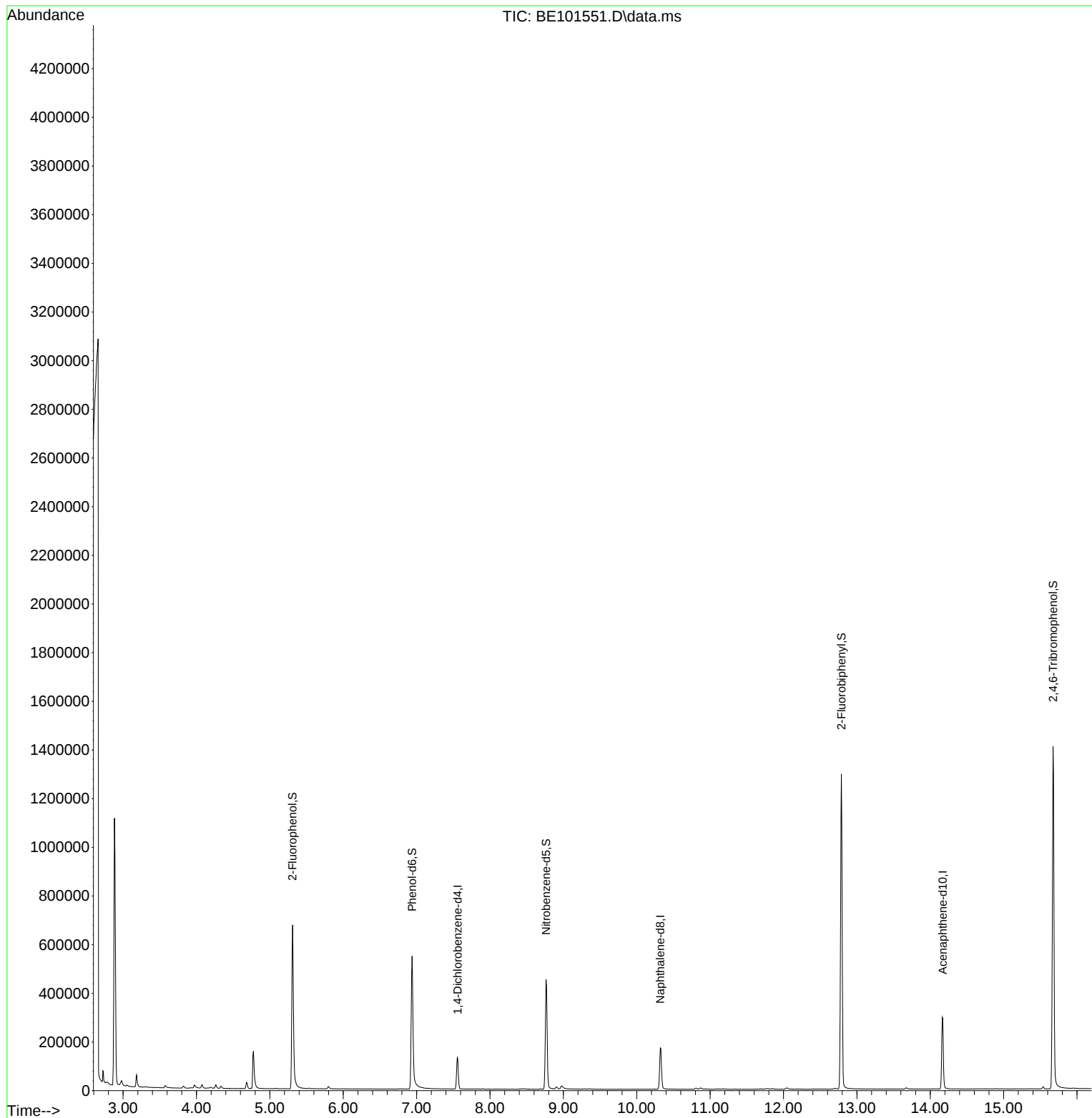
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.560	152	37676	20.000	ng	0.00
21) Naphthalene-d8	10.322	136	159494	20.000	ng	0.00
39) Acenaphthene-d10	14.170	164	109930	20.000	ng	0.00
64) Phenanthrene-d10	16.902	188	283947	20.000	ng	0.00
76) Chrysene-d12	21.068	240	377741	20.000	ng	0.00
86) Perylene-d12	23.348	264	463708	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	336368	157.861	ng	0.00
7) Phenol-d6	6.938	99	384167	131.498	ng	0.00
23) Nitrobenzene-d5	8.765	82	269661	106.795	ng	0.00
42) 2,4,6-Tribromophenol	15.674	330	360865	174.453	ng	0.00
45) 2-Fluorobiphenyl	12.790	172	701703	104.225	ng	0.00
79) Terphenyl-d14	19.505	244	2011694	117.885	ng	0.00
Target Compounds						
77) Benzidine	19.206	184	56539	6.968	ng	Qvalue 99

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

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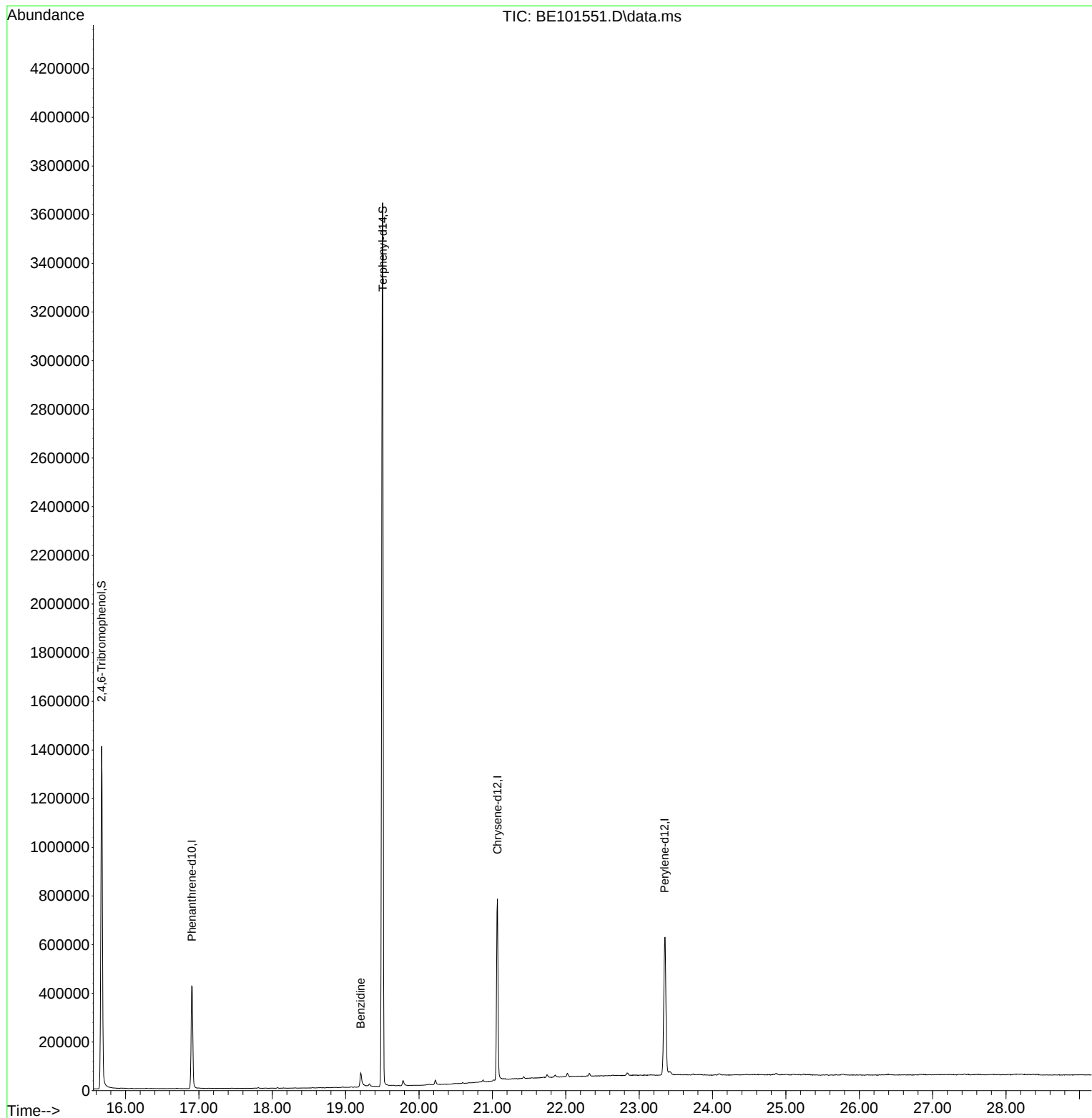
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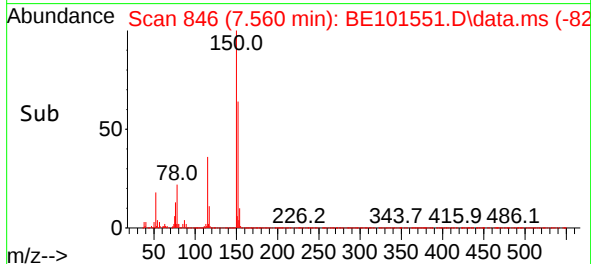
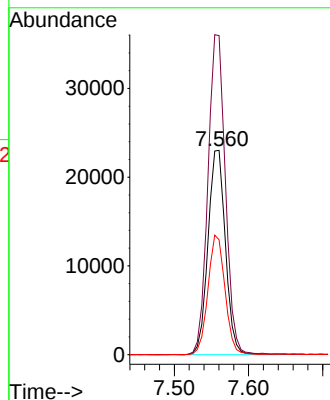
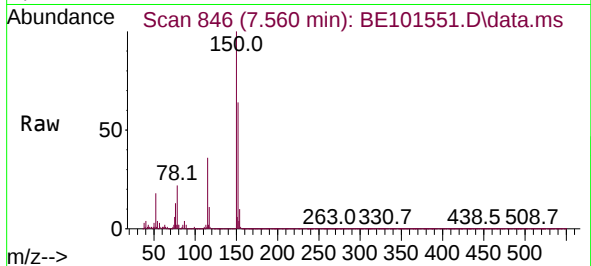




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.560 min Scan# 84
Delta R.T. -0.003 min
Lab File: BE101551.D
Acq: 8 Nov 2024 14:32

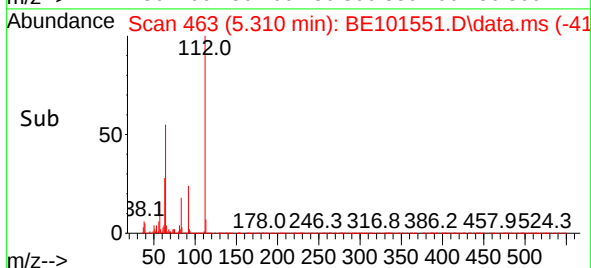
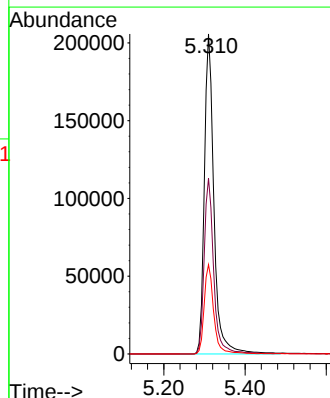
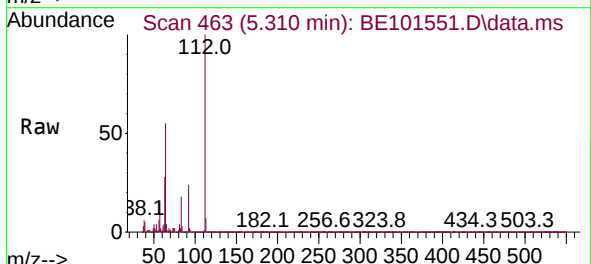
Instrument :
BNA_E
ClientSampleId :
Z-03A

Tgt Ion:152 Resp: 37676
Ion Ratio Lower Upper
152 100
150 156.2 126.3 189.5
115 56.2 45.0 67.4



#5
2-Fluorophenol
Concen: 157.861 ng
RT: 5.310 min Scan# 463
Delta R.T. -0.003 min
Lab File: BE101551.D
Acq: 8 Nov 2024 14:32

Tgt Ion:112 Resp: 336368
Ion Ratio Lower Upper
112 100
64 54.9 43.2 64.8
63 27.9 21.8 32.6

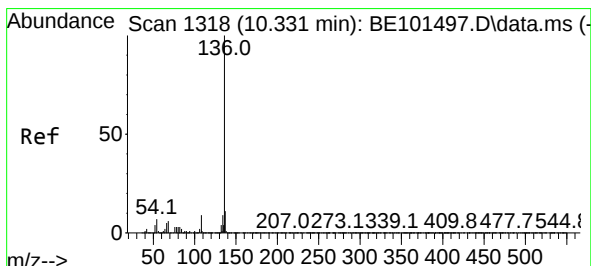
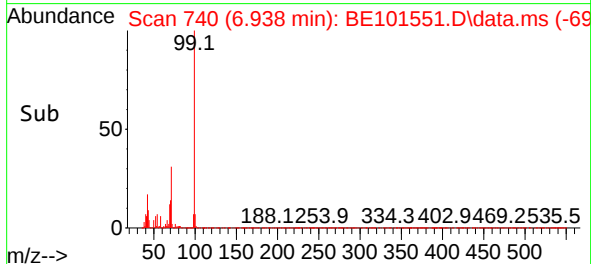
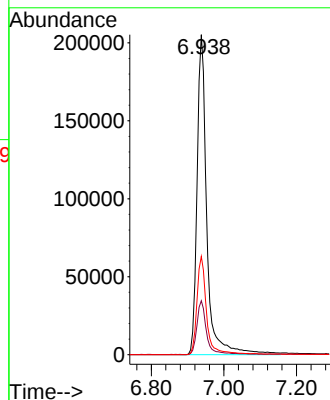
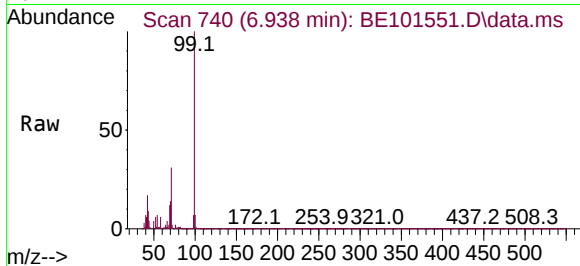




#7
Phenol-d6
Concen: 131.498 ng
RT: 6.938 min Scan# 742
Delta R.T. -0.009 min
Lab File: BE101551.D
Acq: 8 Nov 2024 14:32

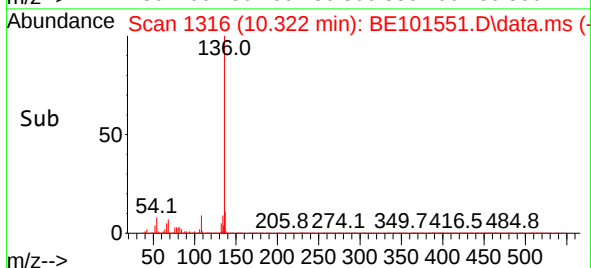
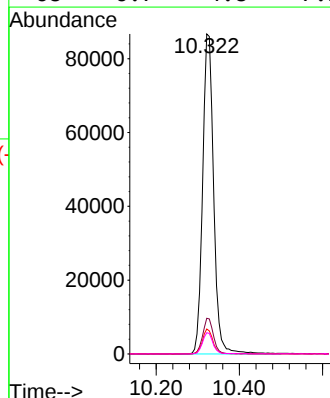
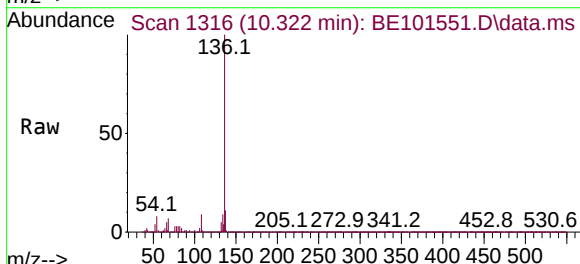
Instrument :
BNA_E
ClientSampleId :
Z-03A

Tgt Ion: 99 Resp: 384167
Ion Ratio Lower Upper
99 100
42 16.9 12.5 18.7
71 30.7 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: BE101551.D
Acq: 8 Nov 2024 14:32

Tgt Ion:136 Resp: 159494
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.8 5.6 8.4
68 6.7 4.8 7.2

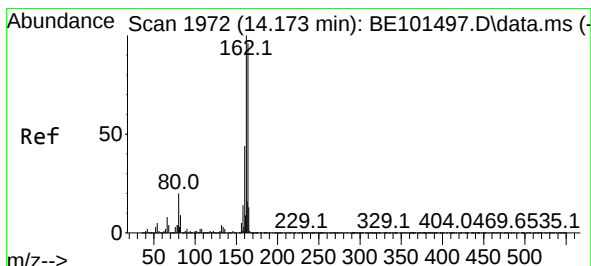
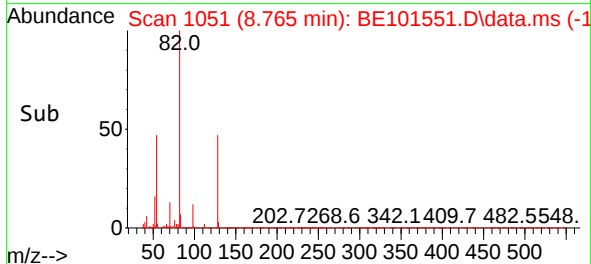
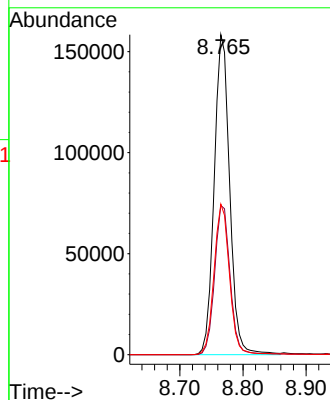
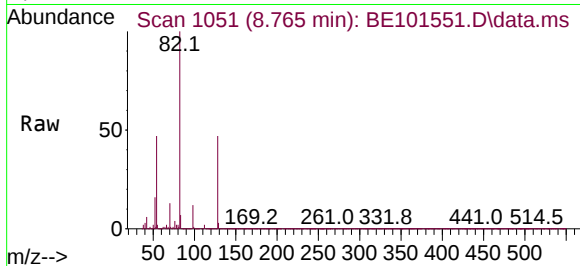




#23
Nitrobenzene-d5
Concen: 106.795 ng
RT: 8.765 min Scan# 1051
Delta R.T. -0.009 min
Lab File: BE101551.D
Acq: 8 Nov 2024 14:32

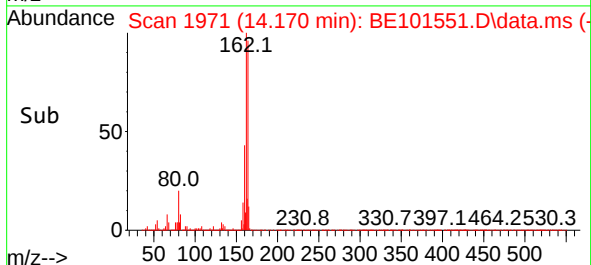
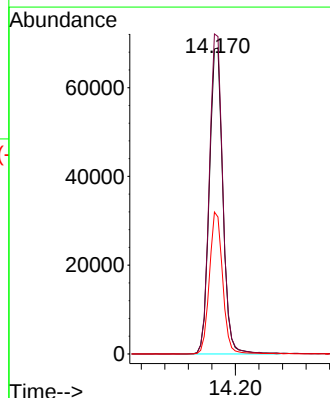
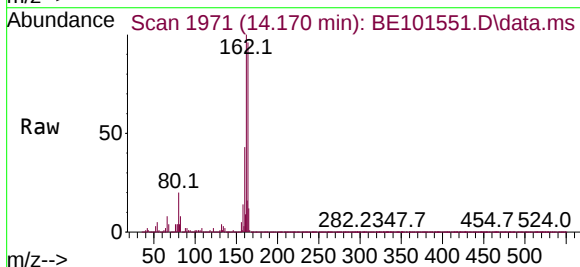
Instrument :
BNA_E
ClientSampleId :
Z-03A

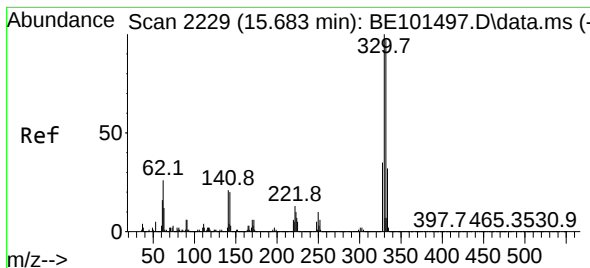
Tgt Ion: 82 Resp: 269661
Ion Ratio Lower Upper
82 100
128 46.7 38.6 58.0
54 47.1 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.170 min Scan# 1971
Delta R.T. -0.003 min
Lab File: BE101551.D
Acq: 8 Nov 2024 14:32

Tgt Ion:164 Resp: 109930
Ion Ratio Lower Upper
164 100
162 103.7 83.7 125.5
160 44.8 37.1 55.7





#42

2,4,6-Tribromophenol

Concen: 174.453 ng

RT: 15.674 min Scan# 21

Delta R.T. -0.009 min

Lab File: BE101551.D

Acq: 8 Nov 2024 14:32

Instrument :

BNA_E

ClientSampleId :

Z-03A

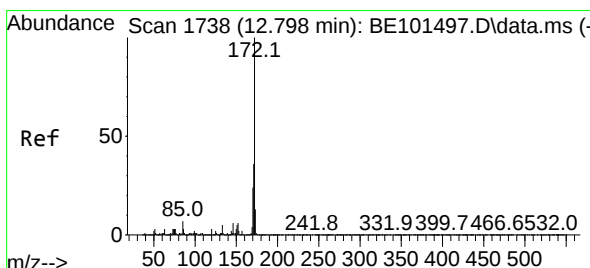
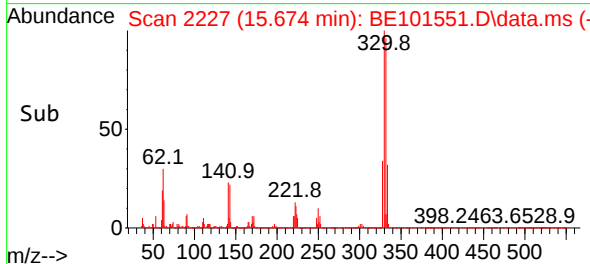
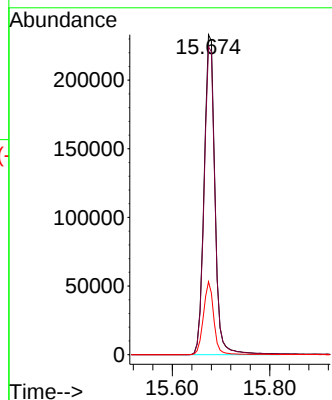
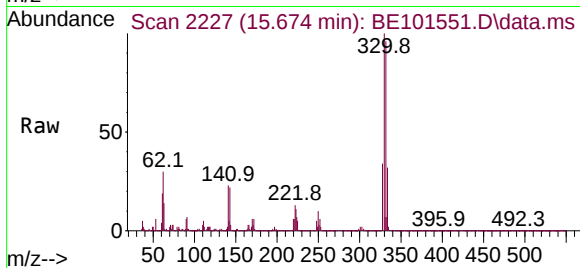
Tgt Ion:330 Resp: 360865

Ion Ratio Lower Upper

330 100

332 97.3 77.7 116.5

141 21.8 17.0 25.4



#45

2-Fluorobiphenyl

Concen: 104.225 ng

RT: 12.790 min Scan# 1736

Delta R.T. -0.009 min

Lab File: BE101551.D

Acq: 8 Nov 2024 14:32

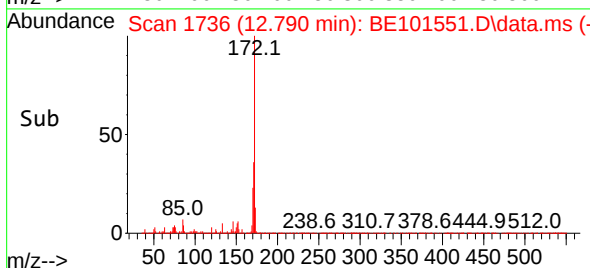
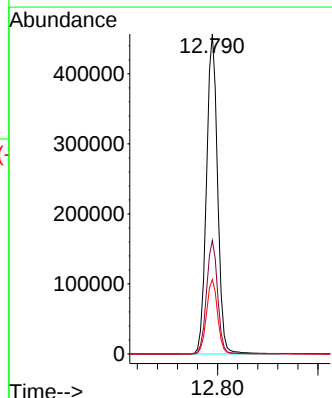
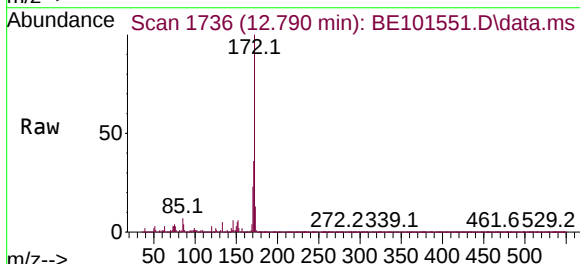
Tgt Ion:172 Resp: 701703

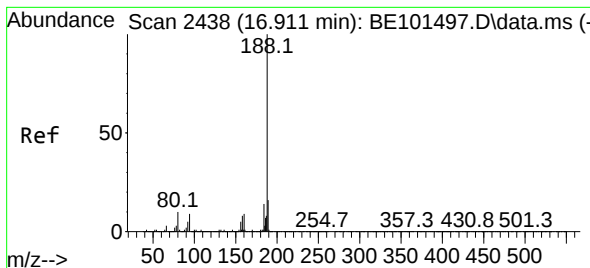
Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.3 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.902 min Scan# 2436

Delta R.T. -0.009 min

Lab File: BE101551.D

Acq: 8 Nov 2024 14:32

Instrument :

BNA_E

ClientSampleId :

Z-03A

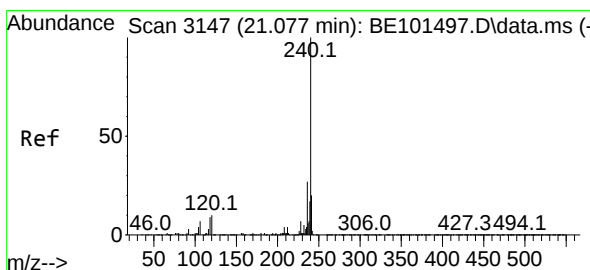
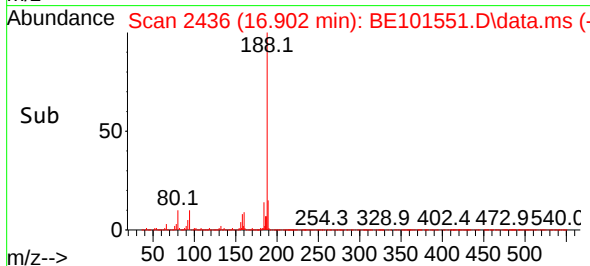
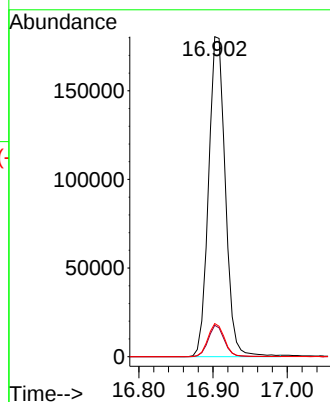
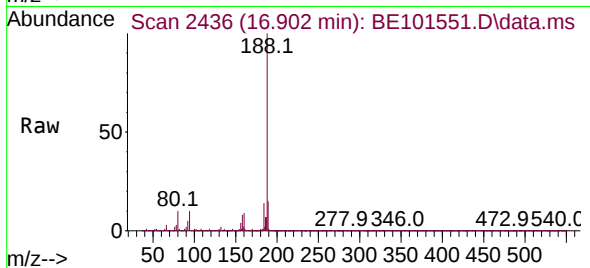
Tgt Ion:188 Resp: 283947

Ion Ratio Lower Upper

188 100

94 9.8 7.4 11.2

80 10.4 8.0 12.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.068 min Scan# 3145

Delta R.T. -0.009 min

Lab File: BE101551.D

Acq: 8 Nov 2024 14:32

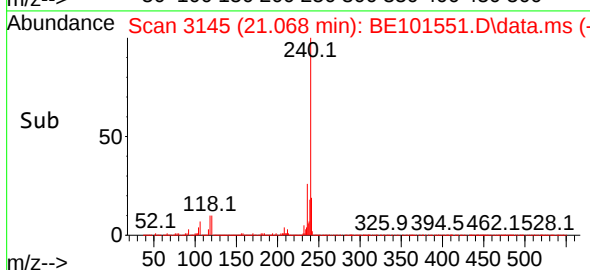
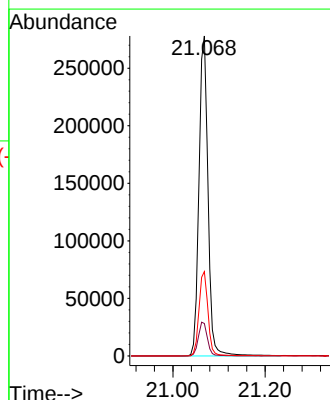
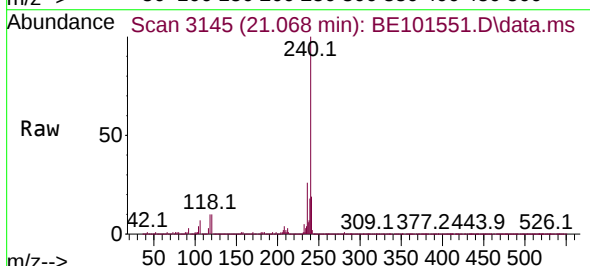
Tgt Ion:240 Resp: 377741

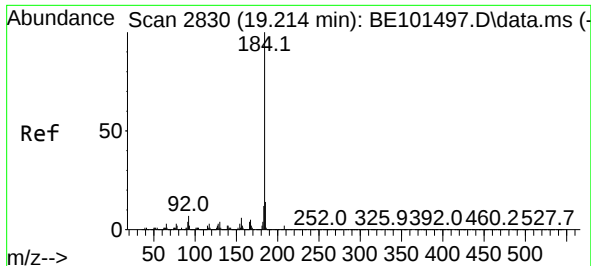
Ion Ratio Lower Upper

240 100

120 10.1 8.2 12.4

236 26.4 21.4 32.2





#77

Benzidine

Concen: 6.968 ng

RT: 19.206 min Scan# 2828

Delta R.T. -0.008 min

Lab File: BE101551.D

Acq: 8 Nov 2024 14:32

Instrument :

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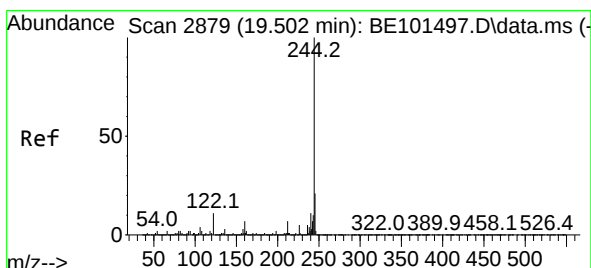
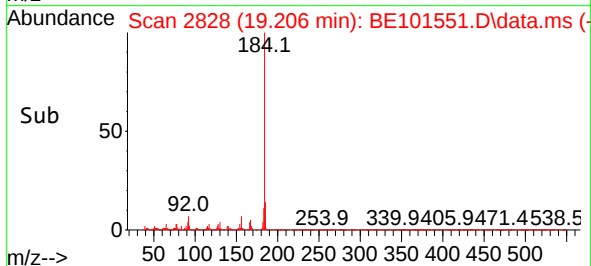
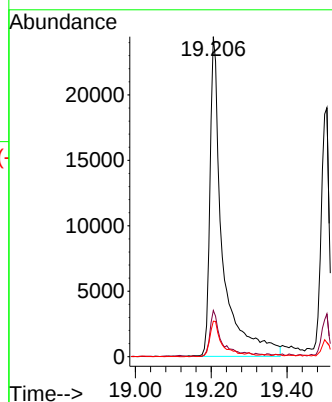
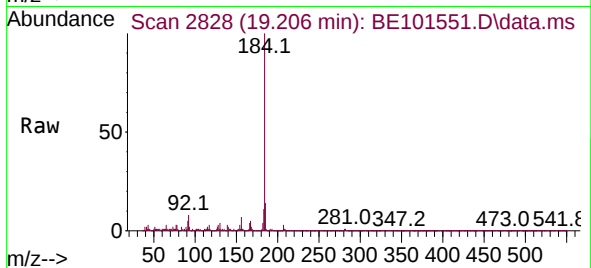
Tgt Ion:184 Resp: 56539

Ion Ratio Lower Upper

184 100

185 14.5 11.2 16.8

183 11.1 9.4 14.0



#79

Terphenyl-d14

Concen: 117.885 ng

RT: 19.505 min Scan# 2879

Delta R.T. 0.003 min

Lab File: BE101551.D

Acq: 8 Nov 2024 14:32

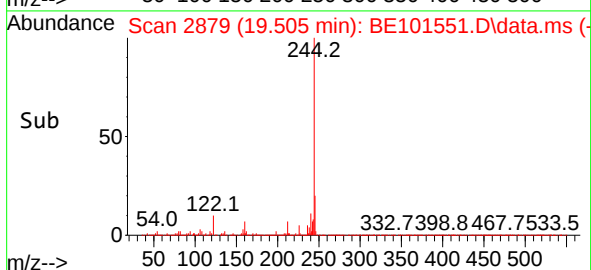
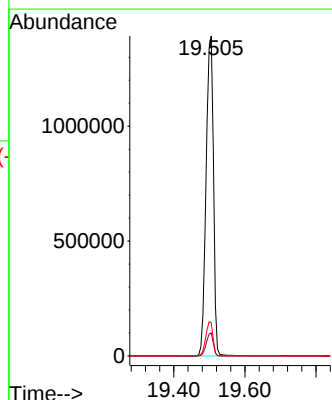
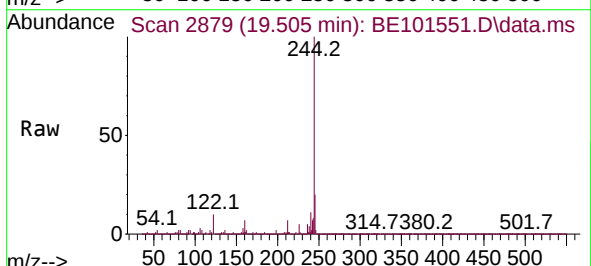
Tgt Ion:244 Resp: 2011694

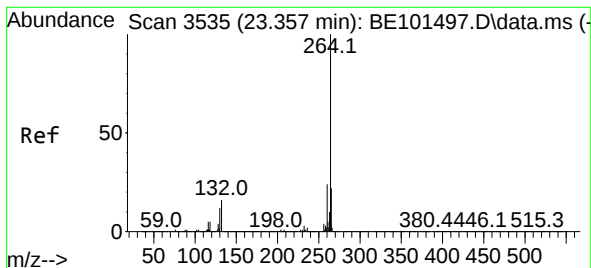
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 10.4 8.4 12.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.348 min Scan# 3

Delta R.T. -0.009 min

Lab File: BE101551.D

Acq: 8 Nov 2024 14:32

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:264 Resp: 463708

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.2

265 21.7 17.4 26.2

