

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110724\
 Data File : BE101531.D
 Acq On : 7 Nov 2024 15:07
 Operator : RC/JU
 Sample : P4711-05RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CF-613-COMP-16

Quant Time: Nov 07 14:56:35 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)

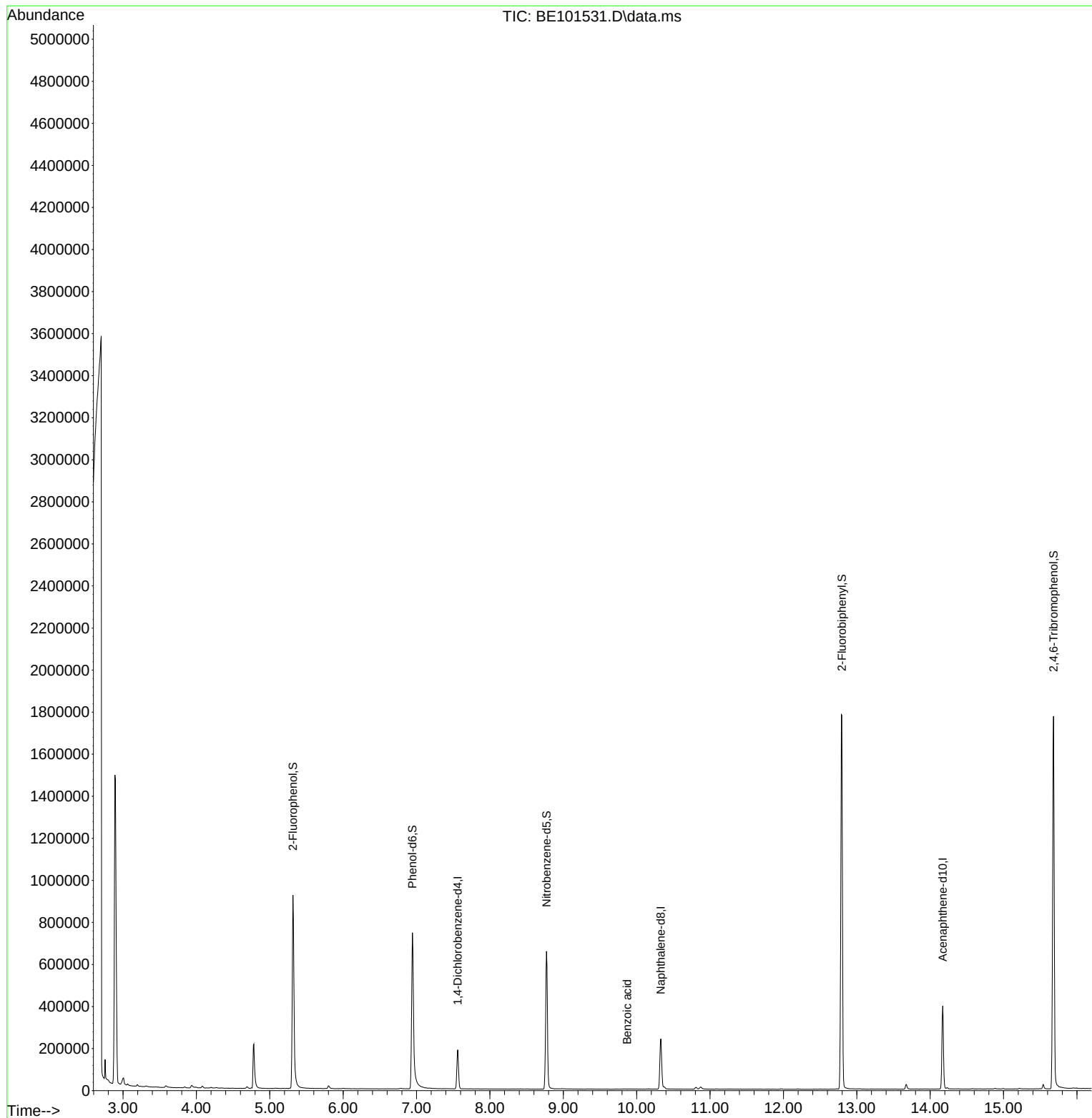
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.561	152	52408	20.000	ng	0.00
21) Naphthalene-d8	10.329	136	218608	20.000	ng	0.00
39) Acenaphthene-d10	14.171	164	139169	20.000	ng	0.00
64) Phenanthrene-d10	16.909	188	325704	20.000	ng	0.00
76) Chrysene-d12	21.069	240	415690	20.000	ng	0.00
86) Perylene-d12	23.355	264	542611	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.317	112	477618	161.142	ng	0.00
7) Phenol-d6	6.945	99	556609	136.967	ng	0.00
23) Nitrobenzene-d5	8.772	82	395260	114.207	ng	0.00
42) 2,4,6-Tribromophenol	15.681	330	457024	174.521	ng	0.00
45) 2-Fluorobiphenyl	12.796	172	988136	115.933	ng	0.00
79) Terphenyl-d14	19.500	244	2228197	118.652	ng	0.00
Target Compounds						
32) Benzoic acid	9.870	122	76	6.865	ng	# 61
77) Benzidine	19.212	184	27913	3.126	ng	# 92

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

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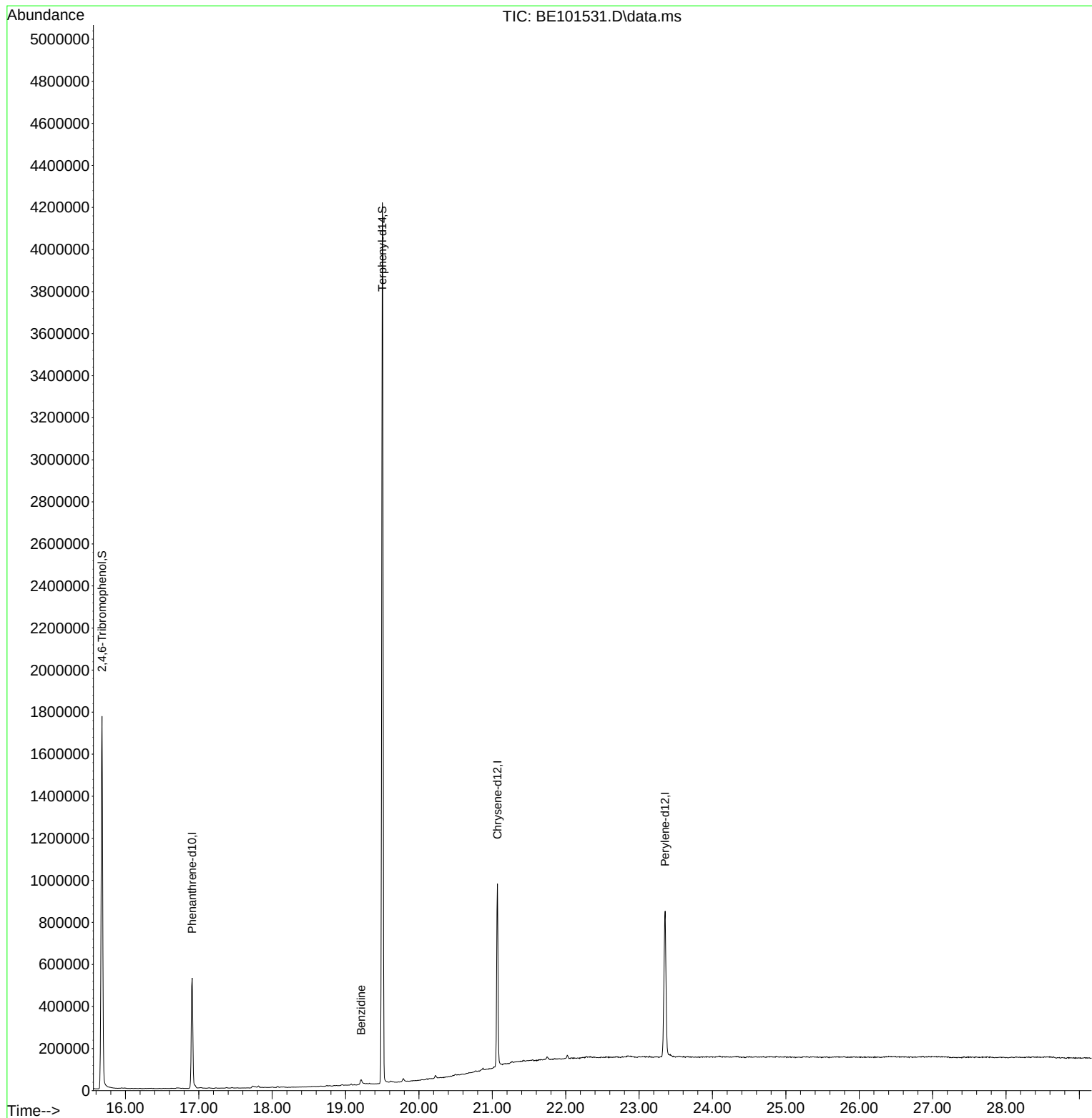
Quant Time: Nov 07 14:56:35 2024
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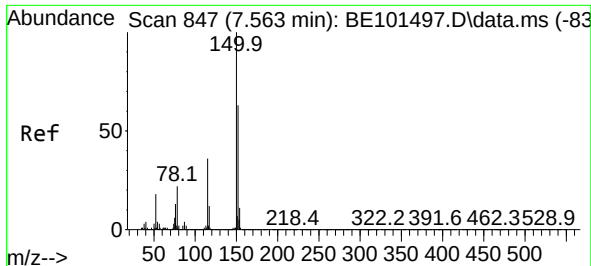


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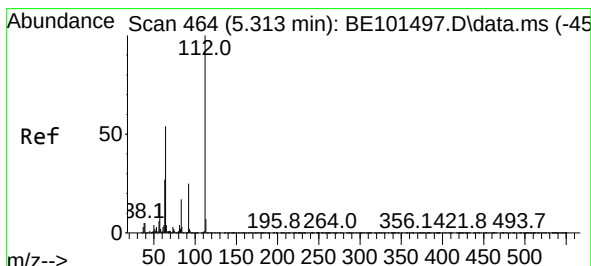
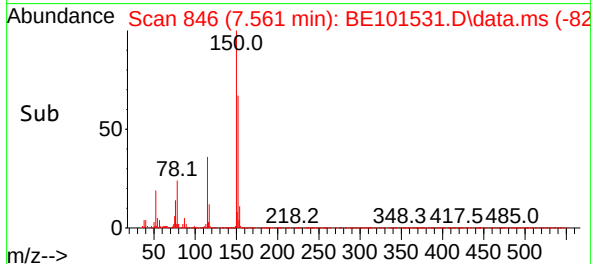
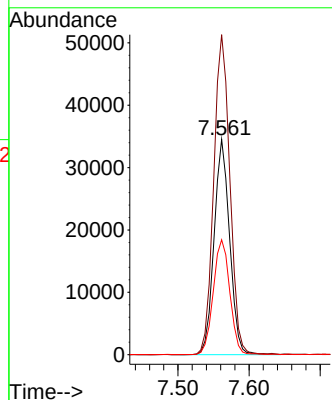
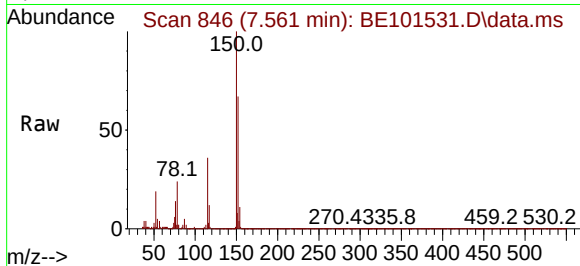




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.561 min Scan# 847
Delta R.T. -0.002 min
Lab File: BE101531.D
Acq: 7 Nov 2024 15:07

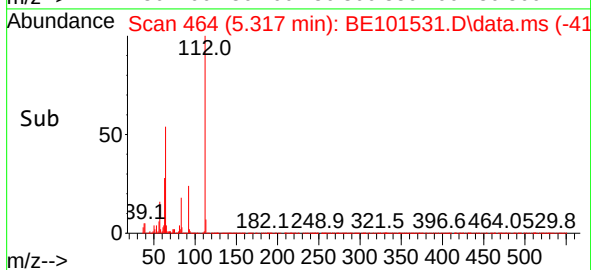
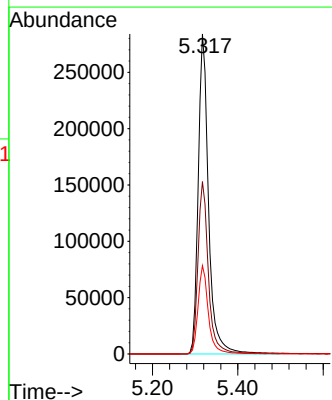
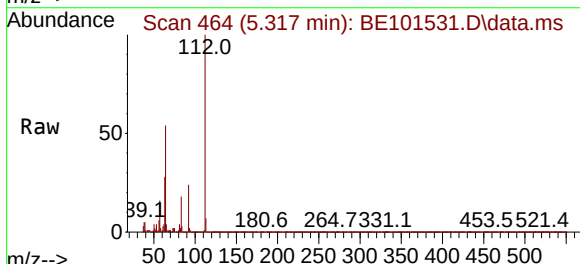
Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-16

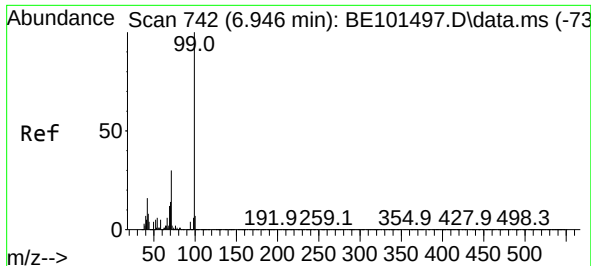
Tgt Ion:152 Resp: 52408
Ion Ratio Lower Upper
152 100
150 148.6 126.3 189.5
115 53.3 45.0 67.4



#5
2-Fluorophenol
Concen: 161.142 ng
RT: 5.317 min Scan# 464
Delta R.T. 0.004 min
Lab File: BE101531.D
Acq: 7 Nov 2024 15:07

Tgt Ion:112 Resp: 477618
Ion Ratio Lower Upper
112 100
64 53.8 43.2 64.8
63 27.6 21.8 32.6

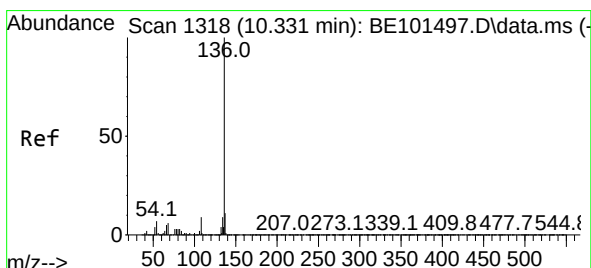
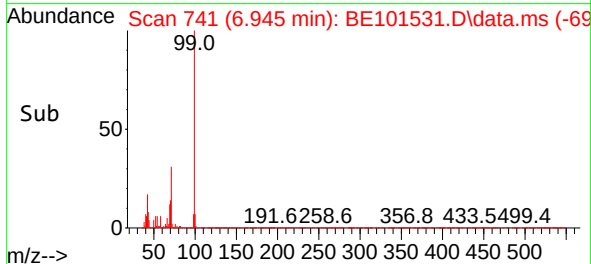
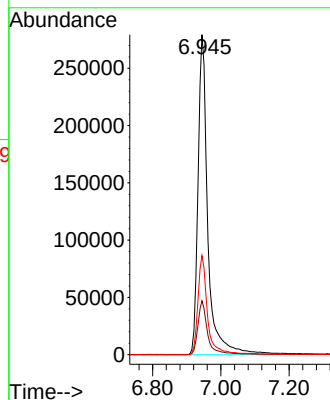
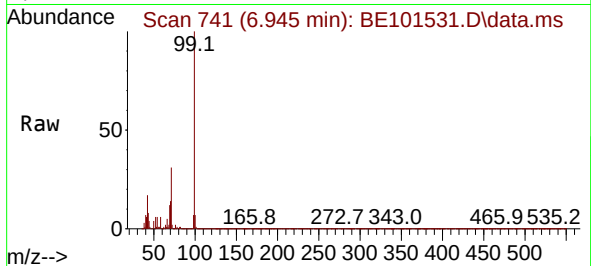




#7
Phenol-d6
Concen: 136.967 ng
RT: 6.945 min Scan# 741
Delta R.T. -0.002 min
Lab File: BE101531.D
Acq: 7 Nov 2024 15:07

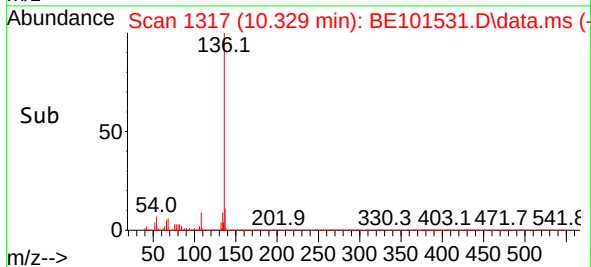
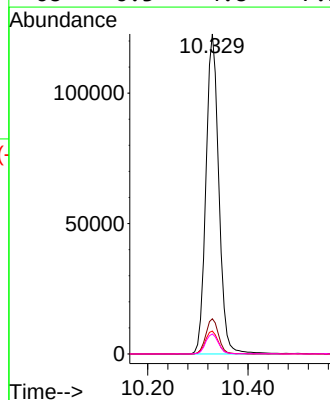
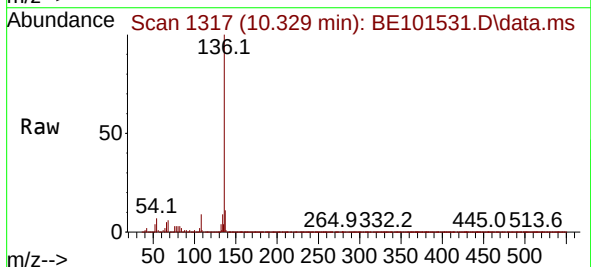
Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-16

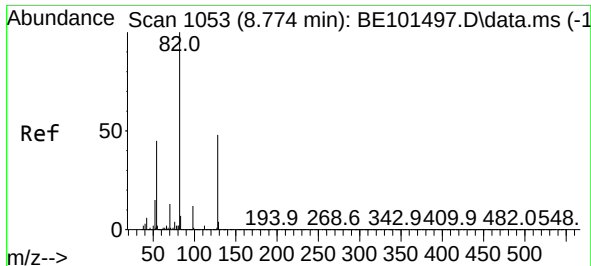
Tgt Ion: 99 Resp: 556609
Ion Ratio Lower Upper
99 100
42 16.9 12.5 18.7
71 31.0 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.329 min Scan# 1317
Delta R.T. -0.002 min
Lab File: BE101531.D
Acq: 7 Nov 2024 15:07

Tgt Ion: 136 Resp: 218608
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.2 5.6 8.4
68 6.3 4.8 7.2

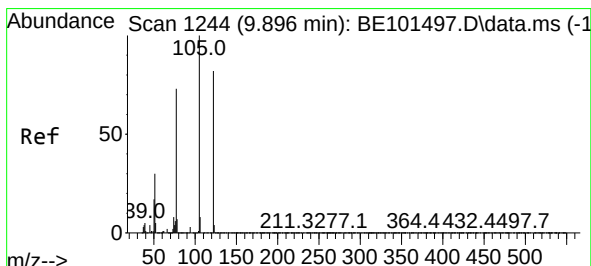
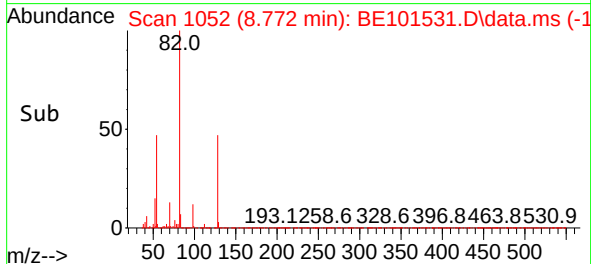
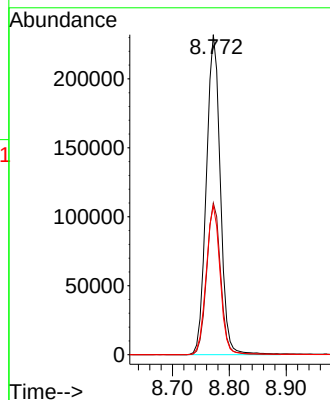
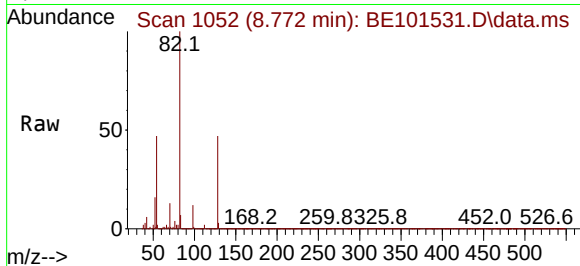




#23
Nitrobenzene-d5
Concen: 114.207 ng
RT: 8.772 min Scan# 1053
Delta R.T. -0.002 min
Lab File: BE101531.D
Acq: 7 Nov 2024 15:07

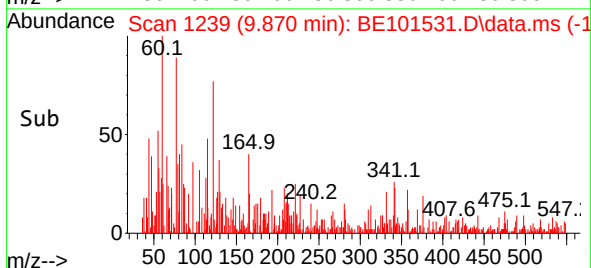
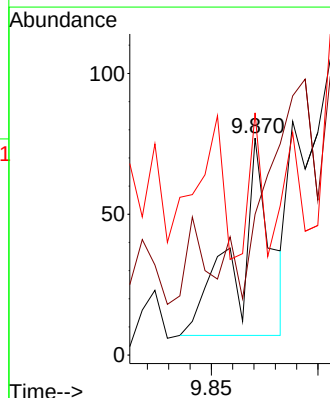
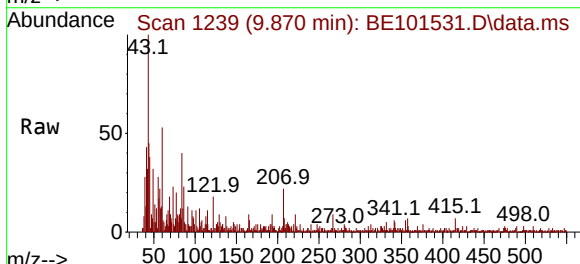
Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-16

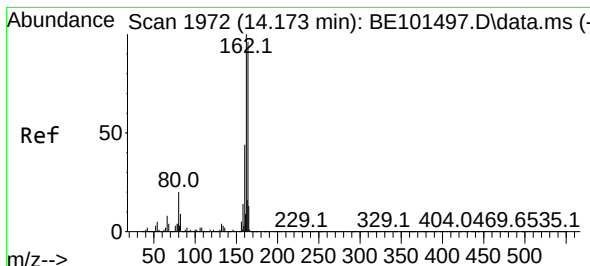
Tgt Ion: 82 Resp: 395260
Ion Ratio Lower Upper
82 100
128 47.4 38.6 58.0
54 46.6 36.3 54.5



#32
Benzoic acid
Concen: 6.865 ng
RT: 9.870 min Scan# 1239
Delta R.T. -0.026 min
Lab File: BE101531.D
Acq: 7 Nov 2024 15:07

Tgt Ion: 122 Resp: 76
Ion Ratio Lower Upper
122 100
105 64.9 100.6 140.6#
77 111.7 68.6 108.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.171 min Scan# 1972

Delta R.T. -0.002 min

Lab File: BE101531.D

Acq: 7 Nov 2024 15:07

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-16

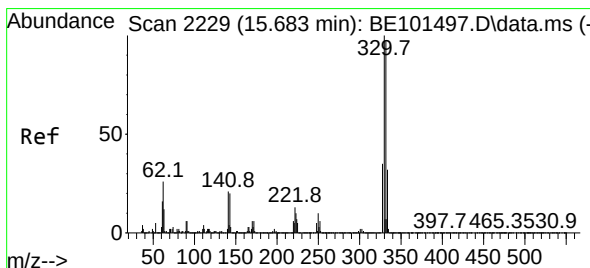
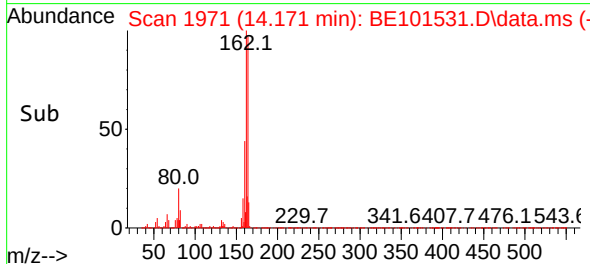
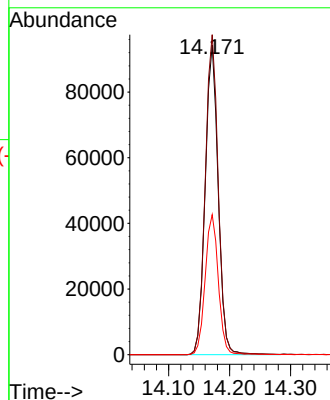
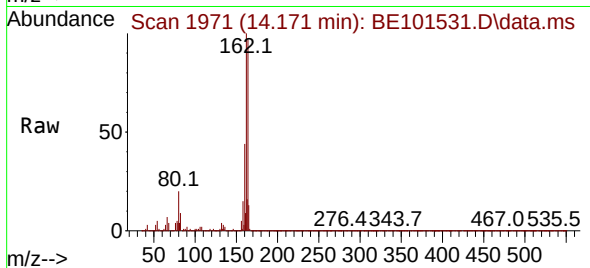
Tgt Ion:164 Resp: 139169

Ion Ratio Lower Upper

164 100

162 103.4 83.7 125.5

160 45.2 37.1 55.7



#42

2,4,6-Tribromophenol

Concen: 174.521 ng

RT: 15.681 min Scan# 2228

Delta R.T. -0.002 min

Lab File: BE101531.D

Acq: 7 Nov 2024 15:07

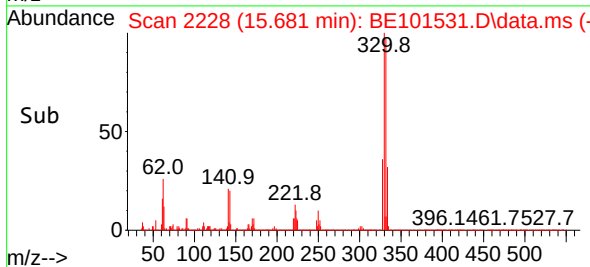
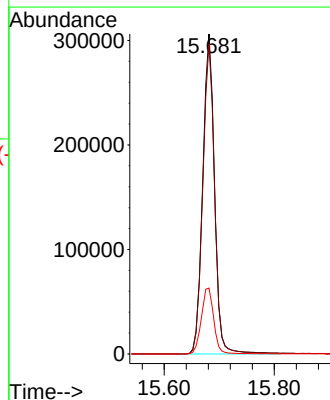
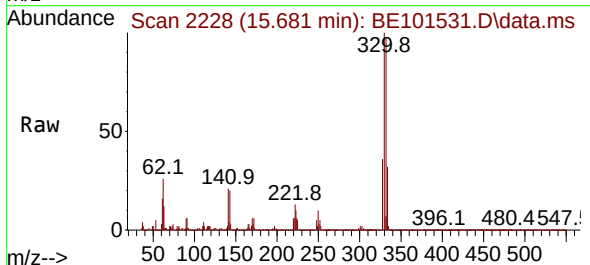
Tgt Ion:330 Resp: 457024

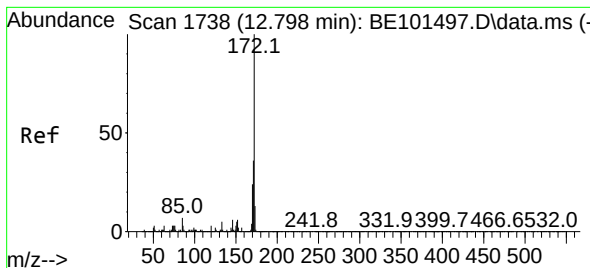
Ion Ratio Lower Upper

330 100

332 97.0 77.7 116.5

141 21.7 17.0 25.4





#45

2-Fluorobiphenyl

Concen: 115.933 ng

RT: 12.796 min Scan# 1

Delta R.T. -0.002 min

Lab File: BE101531.D

Acq: 7 Nov 2024 15:07

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-16

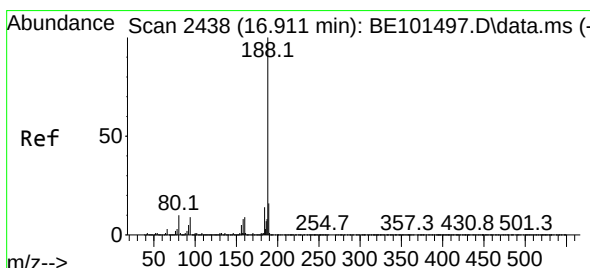
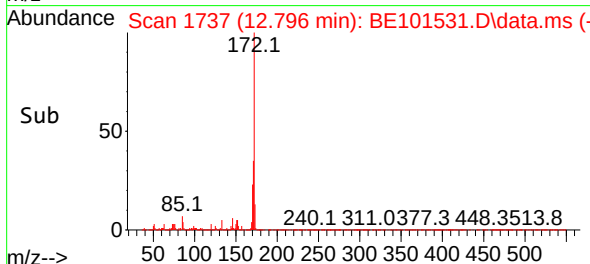
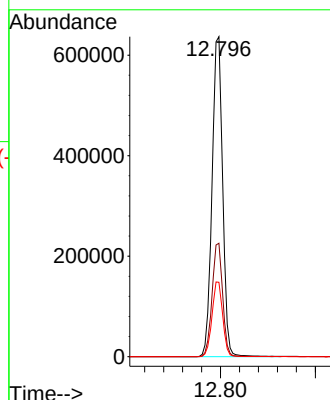
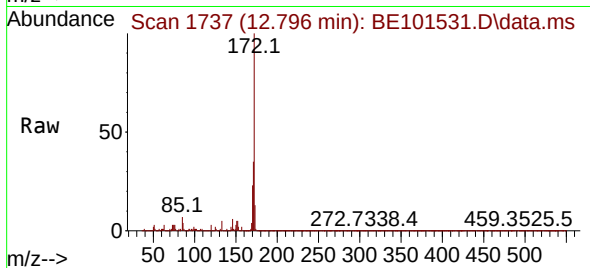
Tgt Ion:172 Resp: 988136

Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 23.2 18.9 28.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.909 min Scan# 2437

Delta R.T. -0.002 min

Lab File: BE101531.D

Acq: 7 Nov 2024 15:07

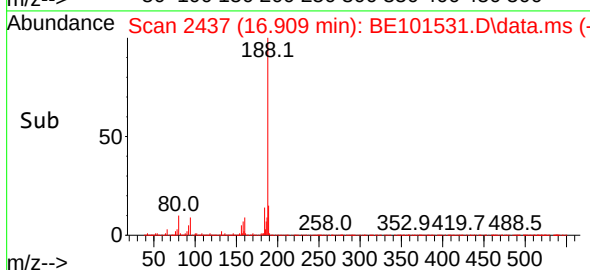
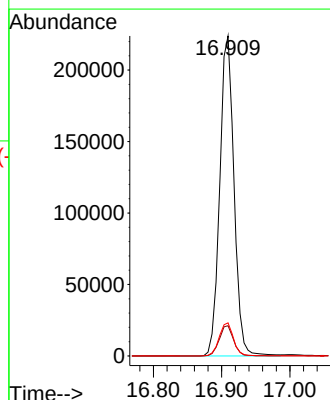
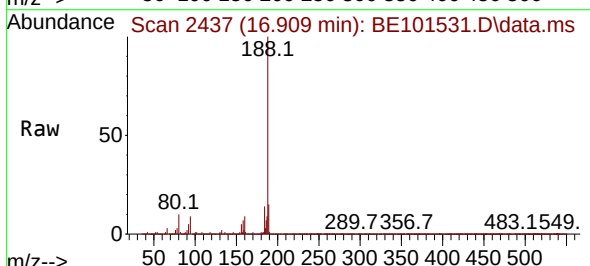
Tgt Ion:188 Resp: 325704

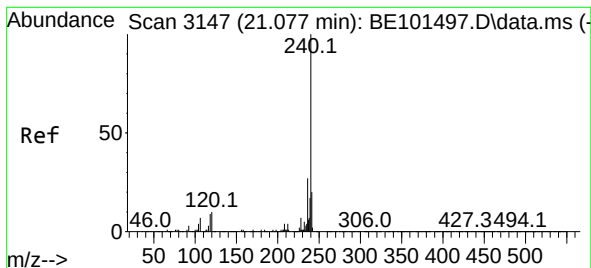
Ion Ratio Lower Upper

188 100

94 9.5 7.4 11.2

80 10.3 8.0 12.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.069 min Scan# 3145

Delta R.T. -0.008 min

Lab File: BE101531.D

Acq: 7 Nov 2024 15:07

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-16

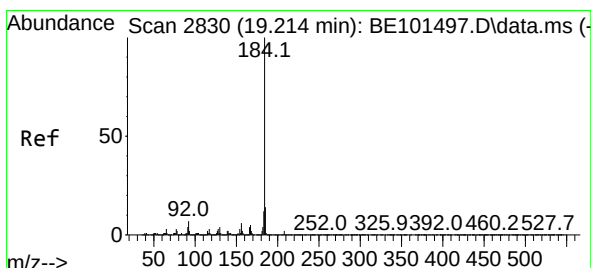
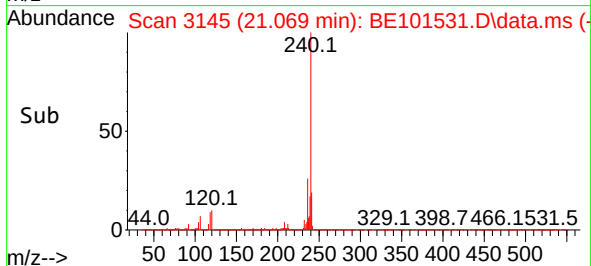
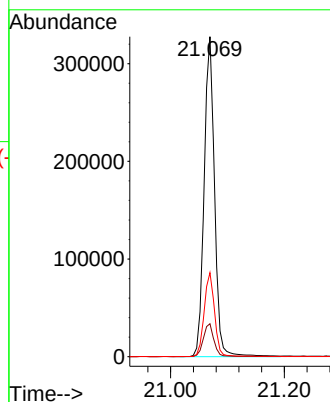
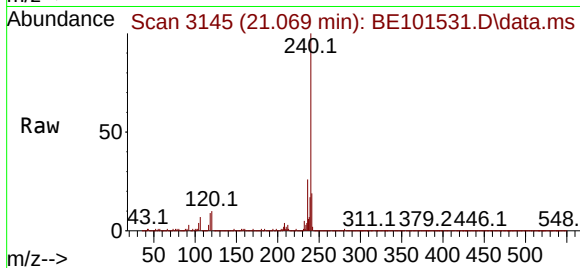
Tgt Ion:240 Resp: 415690

Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.4

236 26.2 21.4 32.2



#77

Benzidine

Concen: 3.126 ng

RT: 19.212 min Scan# 2829

Delta R.T. -0.002 min

Lab File: BE101531.D

Acq: 7 Nov 2024 15:07

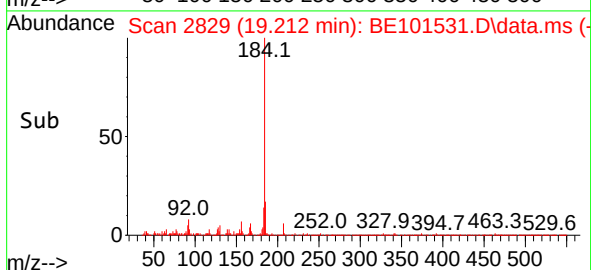
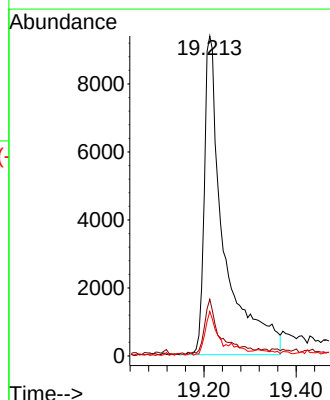
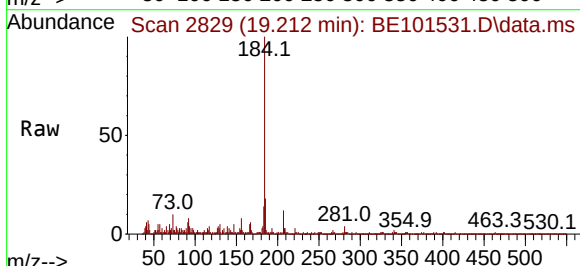
Tgt Ion:184 Resp: 27913

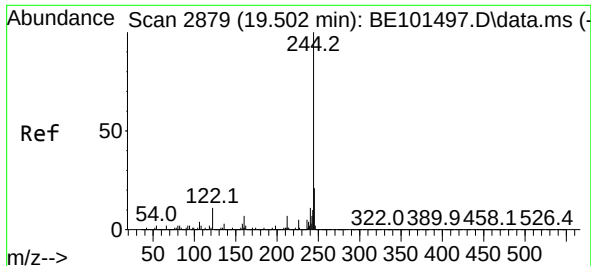
Ion Ratio Lower Upper

184 100

185 17.7 11.2 16.8#

183 13.9 9.4 14.0

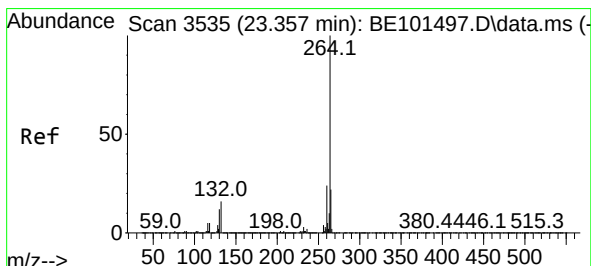
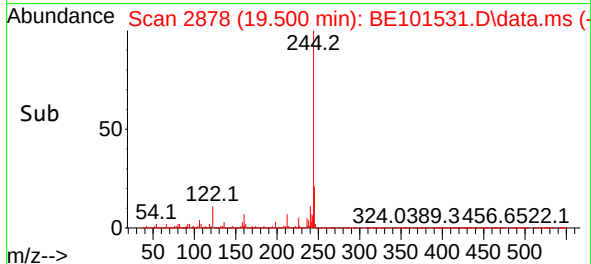
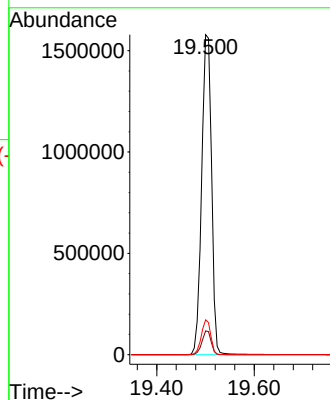
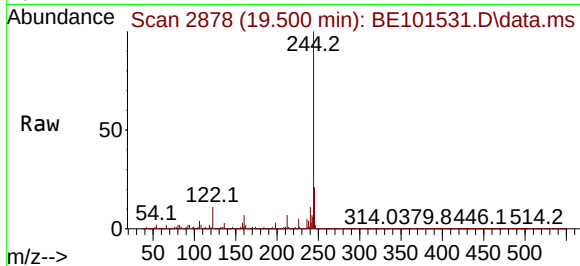




#79
 Terphenyl-d14
 Concen: 118.652 ng
 RT: 19.500 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BE101531.D
 Acq: 7 Nov 2024 15:07

Instrument :
 BNA_E
 ClientSampleId :
 CF-613-COMP-16

Tgt Ion:244 Resp: 2228197
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 10.9 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.355 min Scan# 3534
 Delta R.T. -0.002 min
 Lab File: BE101531.D
 Acq: 7 Nov 2024 15:07

Tgt Ion:264 Resp: 542611
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.2
 265 21.8 17.4 26.2

