

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110524\
 Data File : BE101489.D
 Acq On : 5 Nov 2024 21:03
 Operator : RC/JU
 Sample : P4682-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 06 00:04:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 29 01:26:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

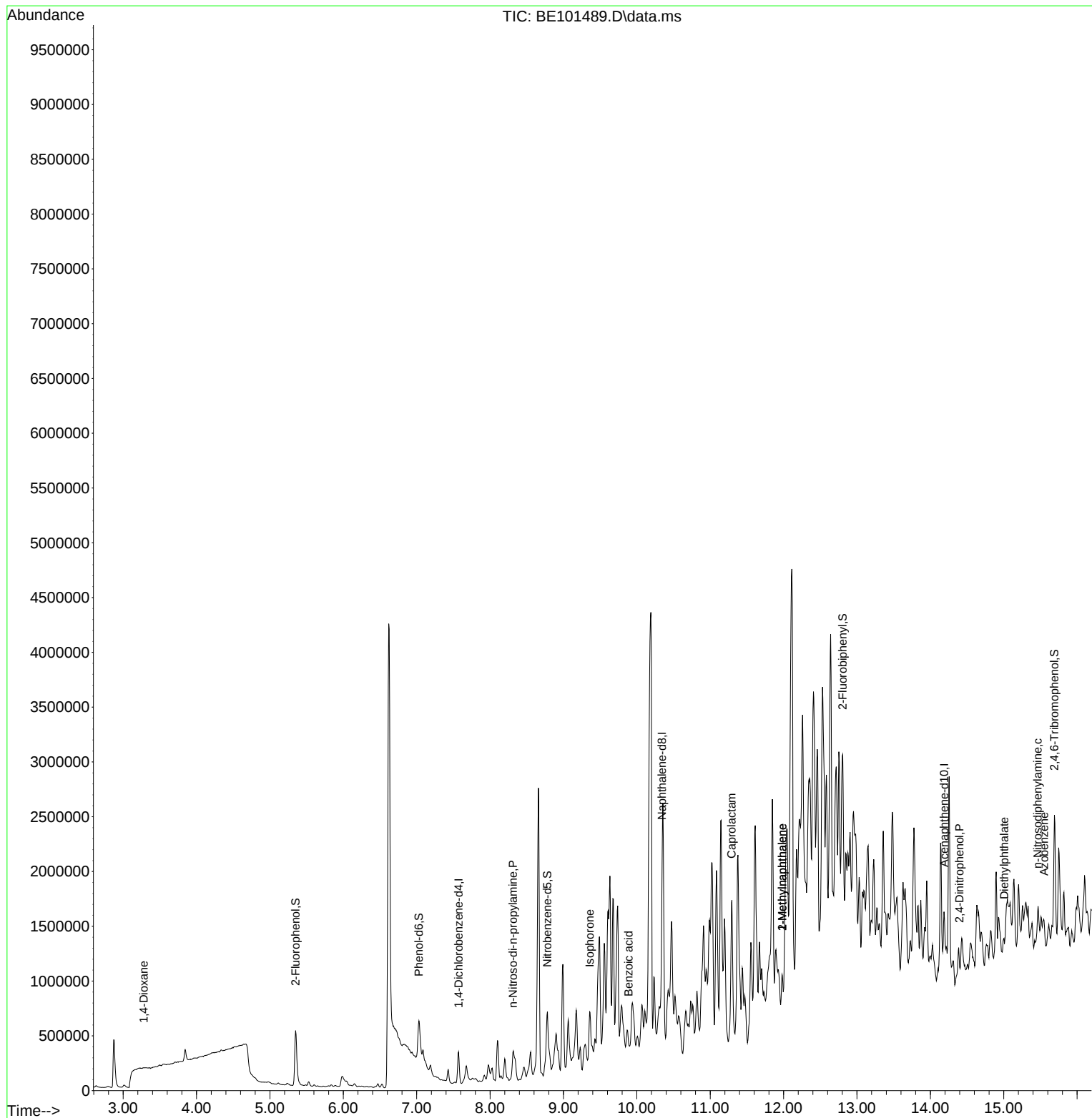
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.571	152	77929	20.000	ng	0.00
21) Naphthalene-d8	10.344	136	335952	20.000	ng	# 0.00
39) Acenaphthene-d10	14.187	164	208971	20.000	ng	0.00
64) Phenanthrene-d10	16.919	188	400381	20.000	ng	0.00
76) Chrysene-d12	21.125	240	124850	20.000	ng	# 0.05
86) Perylene-d12	23.476	264	132821	20.000	ng	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.350	112	327112	73.569	ng	0.03
7) Phenol-d6	7.030	99	399370	64.777	ng	0.08
23) Nitrobenzene-d5	8.781	82	286354	53.536	ng	0.00
42) 2,4,6-Tribromophenol	15.691	330	274338	74.903	ng	0.00
45) 2-Fluorobiphenyl	12.806	172	688569	55.803	ng	0.00
79) Terphenyl-d14	19.521	244	868041	160.019	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.282	88	6409	3.865	ng	# 46
19) n-Nitroso-di-n-propyla...	8.311	70	27206	6.650	ng	# 61
25) Isophorone	9.357	82	118627	11.365	ng	# 67
32) Benzoic acid	9.886	122	147	8.250	ng	# 1
35) Caprolactam	11.290	113	78935	42.990	ng	90
37) 2-Methylnaphthalene	11.983	142	130965	10.618	ng	97
38) 1-Methylnaphthalene	11.983	142	130736	10.620	ng	99
54) 2,4-Dinitrophenol	14.398	184	429	5.782	ng	# 1
60) Diethylphthalate	15.009	149	33920	2.198	ng	95
63) Azobenzene	15.550	77	36659	2.764	ng	# 1
66) n-Nitrosodiphenylamine	15.462	169	99887	9.408	ng	99
71) Phenanthrene	16.960	178	109011	5.687	ng	# 92
74) Di-n-butylphthalate	17.823	149	168583	7.995	ng	99
75) Fluoranthene	18.969	202	61765	2.653	ng	93
80) Butylbenzylphthalate	20.274	149	22791	7.572	ng	89
82) 3,3'-Dichlorobenzidine	21.055	252	7970	2.899	ng	# 1
84) Bis(2-ethylhexyl)phtha...	20.926	149	47911	11.982	ng	# 49
85) Di-n-octyl phthalate	21.819	149	94209	14.355	ng	# 59
88) Benzo(b)fluoranthene	22.735	252	57794	8.350	ng	# 1
89) Benzo(k)fluoranthene	22.806	252	17001	2.629	ng	# 1
90) Benzo(a)pyrene	23.358	252	30409	5.023	ng	# 1

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

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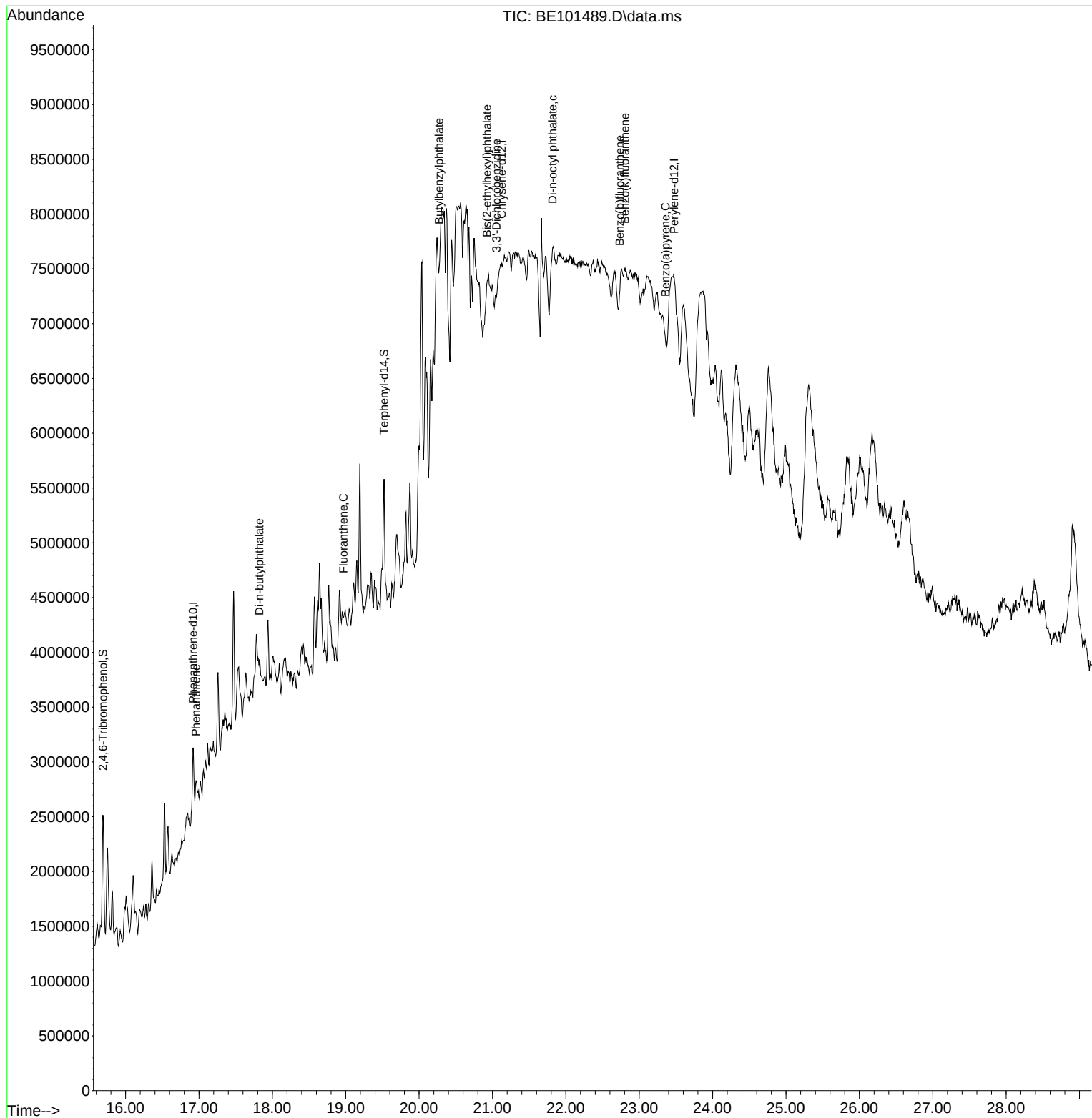
Quant Time: Nov 06 00:04:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration

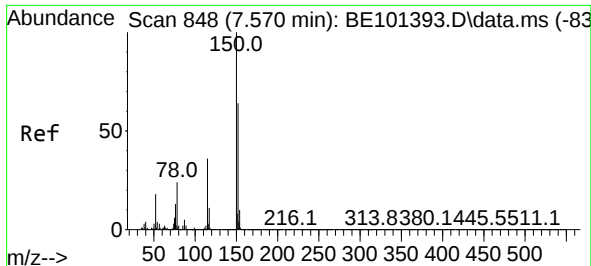


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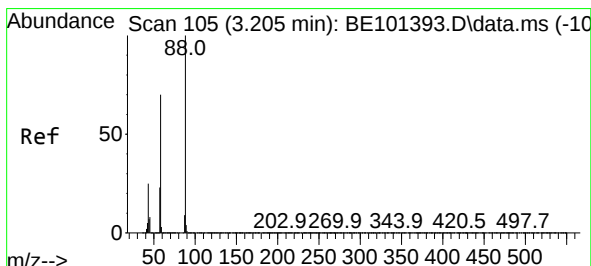
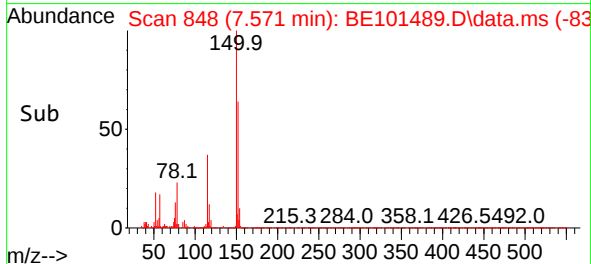
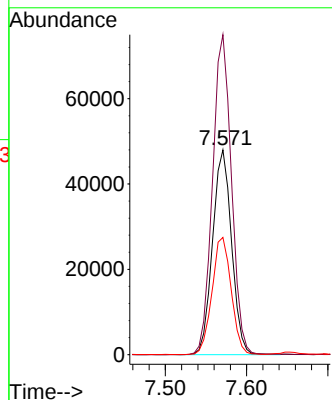
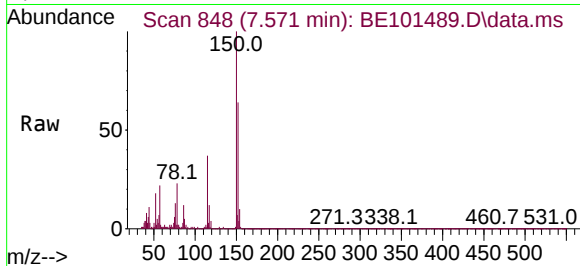




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.571 min Scan# 84
Delta R.T. 0.001 min
Lab File: BE101489.D
Acq: 5 Nov 2024 21:03

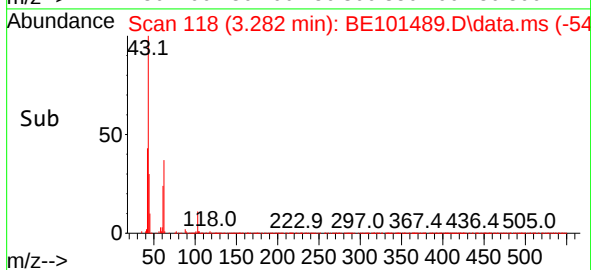
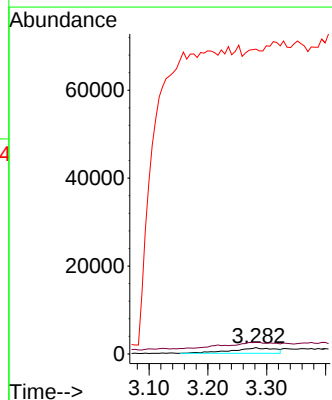
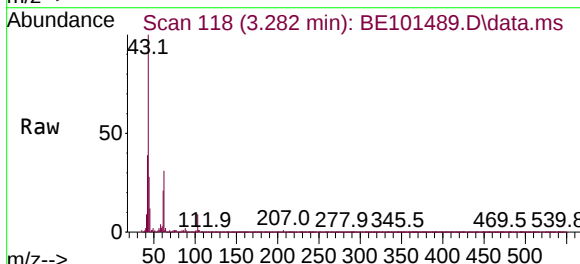
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BNA_E
ClientSampleId :

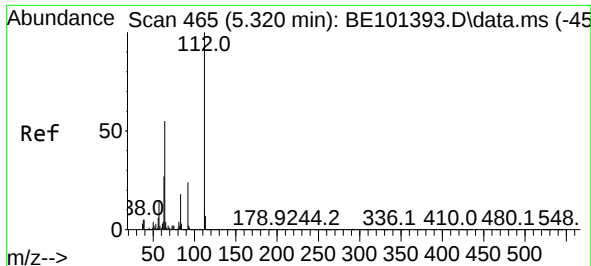
Tgt Ion:152 Resp: 77929
Ion Ratio Lower Upper
152 100
150 156.3 124.2 186.4
115 57.3 45.3 67.9



#2
1,4-Dioxane
Concen: 3.865 ng
RT: 3.282 min Scan# 118
Delta R.T. 0.077 min
Lab File: BE101489.D
Acq: 5 Nov 2024 21:03

Tgt Ion: 88 Resp: 6409
Ion Ratio Lower Upper
88 100
58 24.3 56.5 84.7#
43 0.0 19.8 29.8#

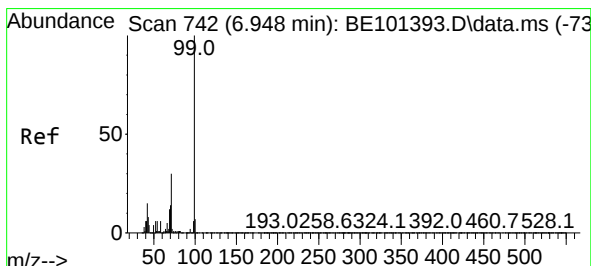
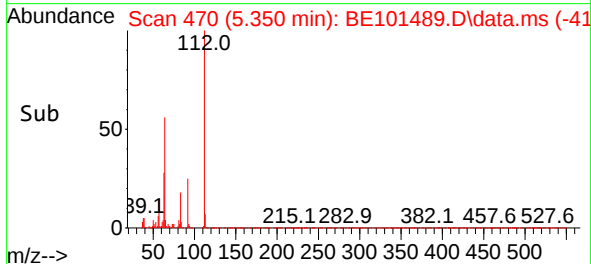
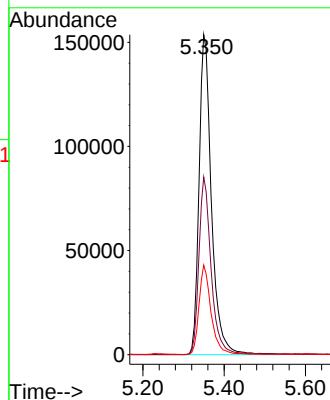
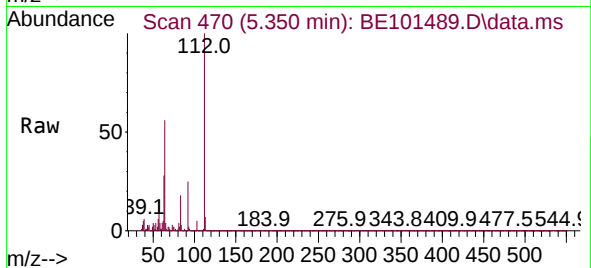




#5
2-Fluorophenol
Concen: 73.569 ng
RT: 5.350 min Scan# 41
Delta R.T. 0.030 min
Lab File: BE101489.D
Acq: 5 Nov 2024 21:03

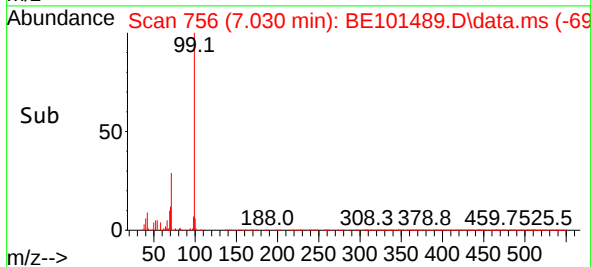
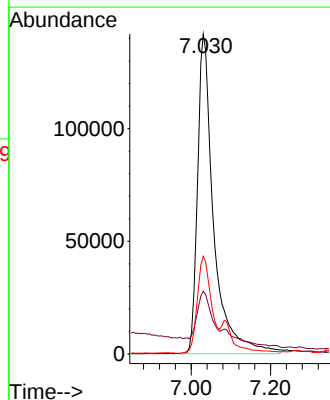
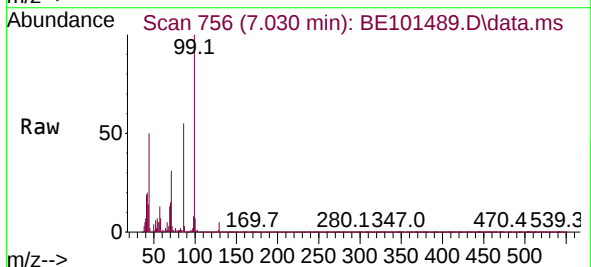
Instrument :
BNA_E
ClientSampleId :

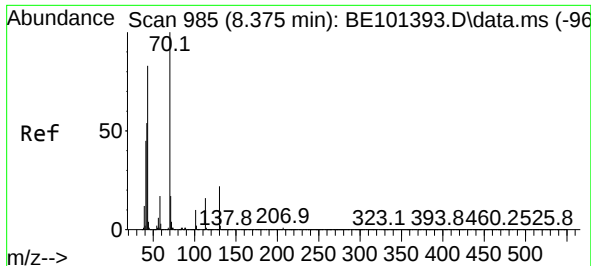
Tgt Ion:112 Resp: 327112
Ion Ratio Lower Upper
112 100
64 55.6 43.7 65.5
63 28.0 21.4 32.2



#7
Phenol-d6
Concen: 64.777 ng
RT: 7.030 min Scan# 756
Delta R.T. 0.083 min
Lab File: BE101489.D
Acq: 5 Nov 2024 21:03

Tgt Ion: 99 Resp: 399370
Ion Ratio Lower Upper
99 100
42 19.6 12.3 18.5#
71 30.6 23.8 35.8

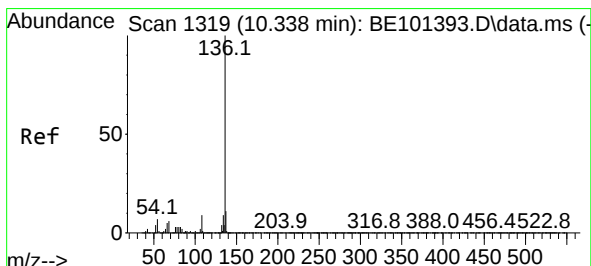
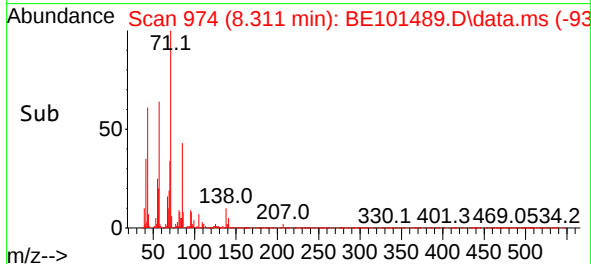
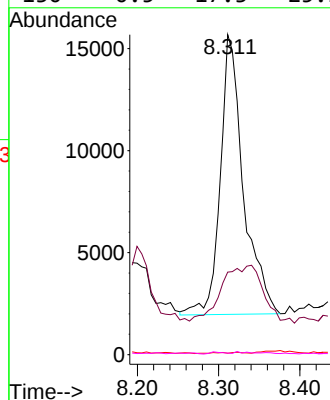
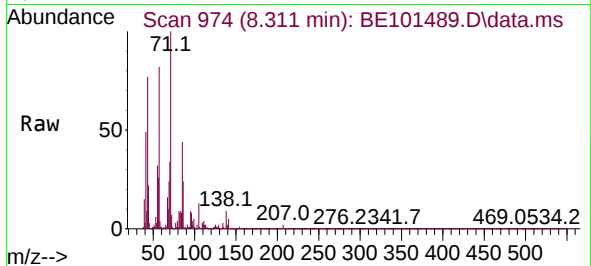




#19
n-Nitroso-di-n-propylamine
Concen: 6.650 ng
RT: 8.311 min Scan# 91
Delta R.T. -0.064 min
Lab File: BE101489.D
Acq: 5 Nov 2024 21:03

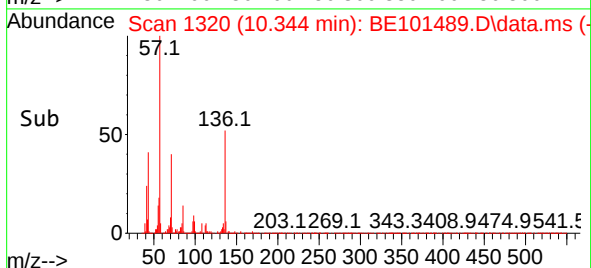
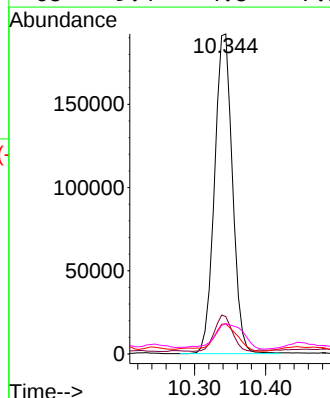
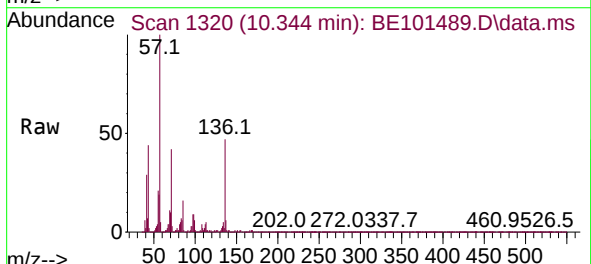
Instrument :
BNA_E
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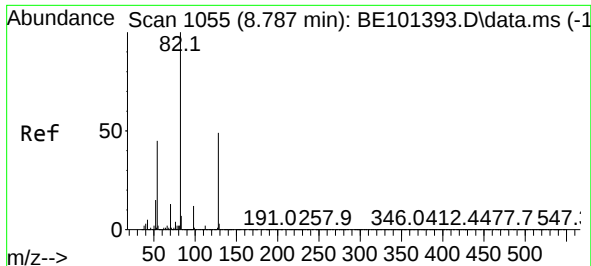
Tgt Ion: 70 Resp: 27206
Ion Ratio Lower Upper
70 100
42 25.8 43.4 65.0#
101 0.5 8.1 12.1#
130 0.5 17.3 25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.344 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BE101489.D
Acq: 5 Nov 2024 21:03

Tgt Ion:136 Resp: 335952
Ion Ratio Lower Upper
136 100
137 11.7 9.0 13.6
54 9.4 5.9 8.9#
68 9.4 4.8 7.2#

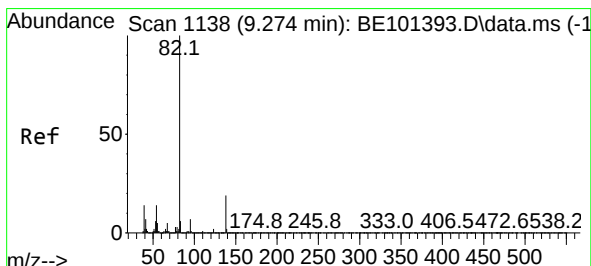
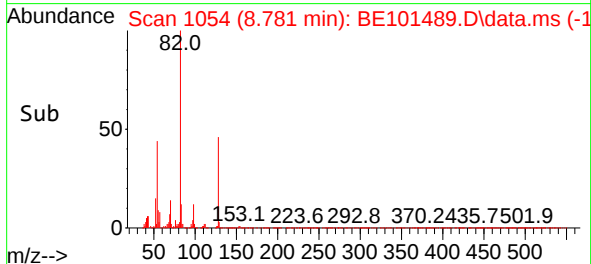
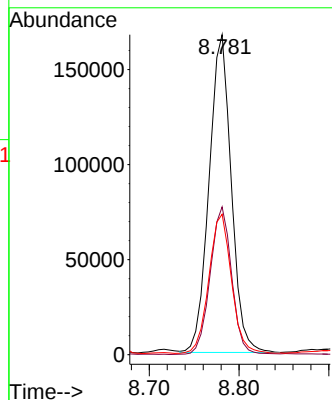
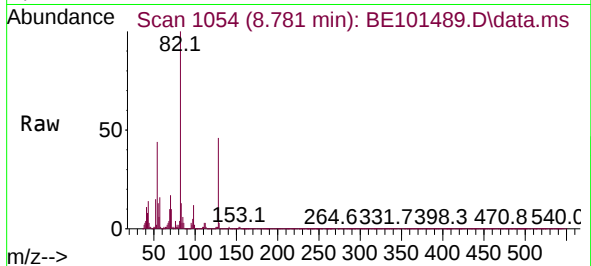




#23
Nitrobenzene-d5
Concen: 53.536 ng
RT: 8.781 min Scan# 110
Delta R.T. -0.006 min
Lab File: BE101489.D
Acq: 5 Nov 2024 21:03

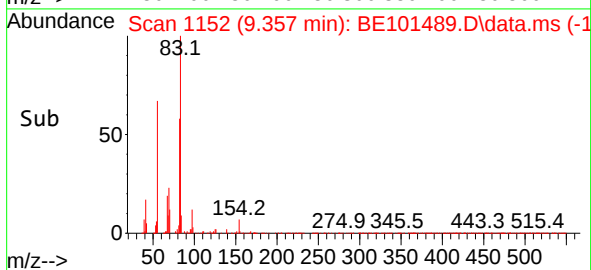
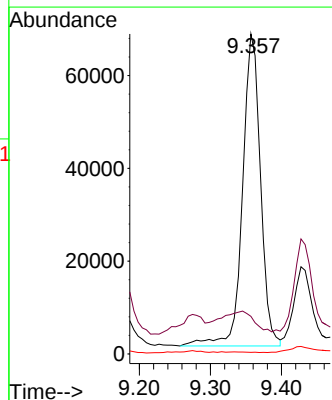
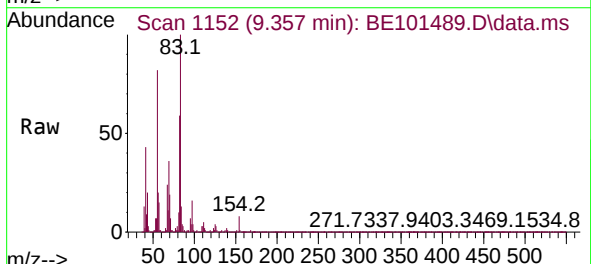
Instrument :
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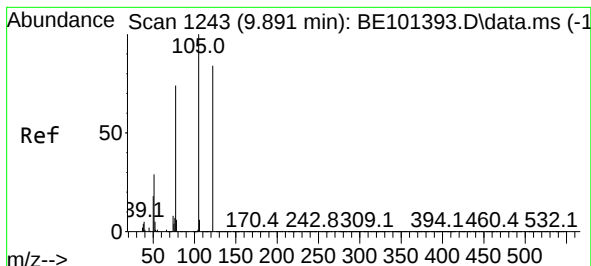
Tgt Ion: 82 Resp: 286354
Ion Ratio Lower Upper
82 100
128 46.2 38.9 58.3
54 43.9 36.2 54.4



#25
Isophorone
Concen: 11.365 ng
RT: 9.357 min Scan# 1152
Delta R.T. 0.083 min
Lab File: BE101489.D
Acq: 5 Nov 2024 21:03

Tgt Ion: 82 Resp: 118627
Ion Ratio Lower Upper
82 100
95 11.8 5.5 8.3#
138 0.5 15.0 22.4#





#32

Benzoic acid

Concen: 8.250 ng

RT: 9.886 min Scan# 1481

Delta R.T. -0.005 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

Instrument :

BNA_E

ClientSampleId :

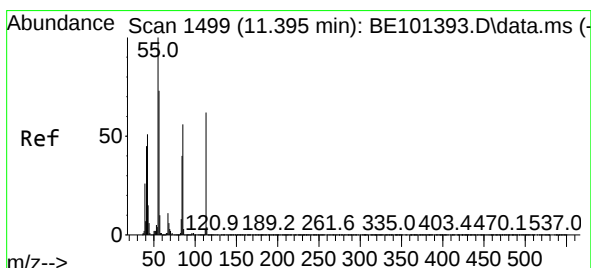
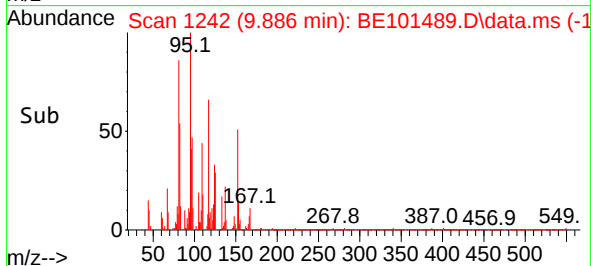
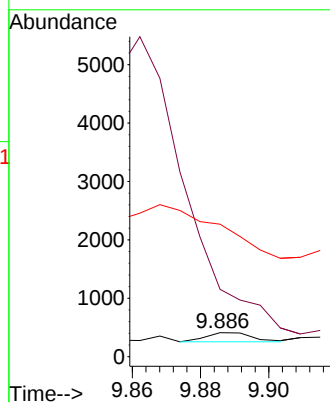
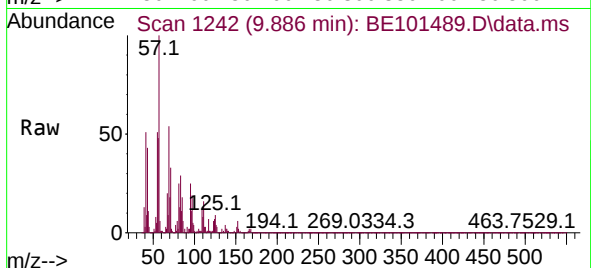
Tgt Ion:122 Resp: 147

Ion Ratio Lower Upper

122 100

105 280.5 97.9 137.9#

77 551.6 68.1 108.1#



#35

Caprolactam

Concen: 42.990 ng

RT: 11.290 min Scan# 1481

Delta R.T. -0.105 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

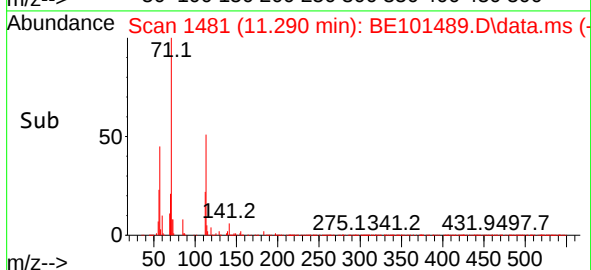
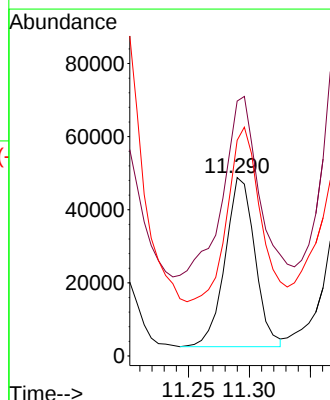
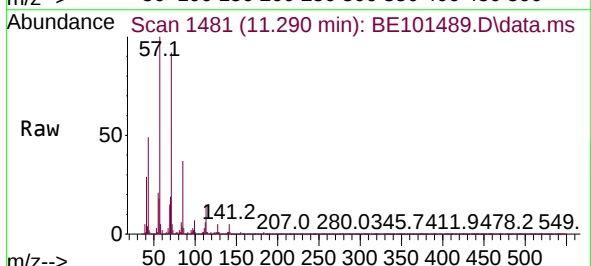
Tgt Ion:113 Resp: 78935

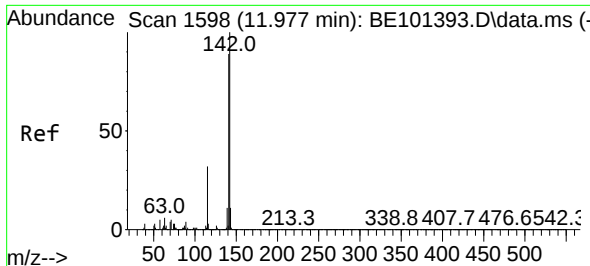
Ion Ratio Lower Upper

113 100

55 142.9 141.2 181.2

56 120.9 96.9 136.9

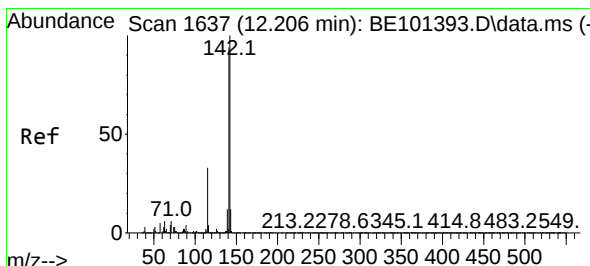
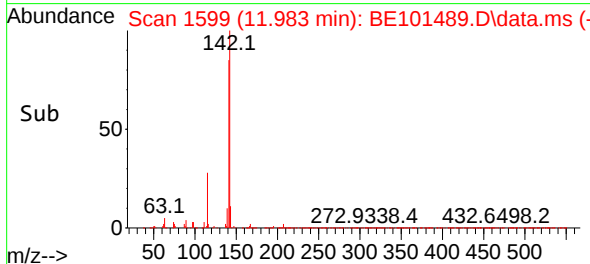
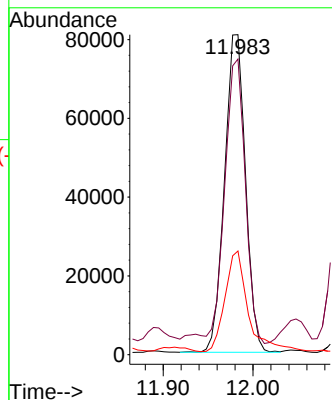
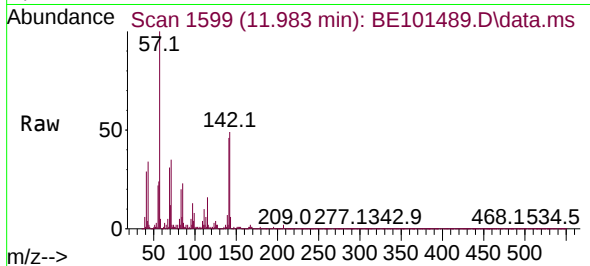




#37
2-Methylnaphthalene
Concen: 10.618 ng
RT: 11.983 min Scan# 1599
Delta R.T. 0.006 min
Lab File: BE101489.D
Acq: 5 Nov 2024 21:03

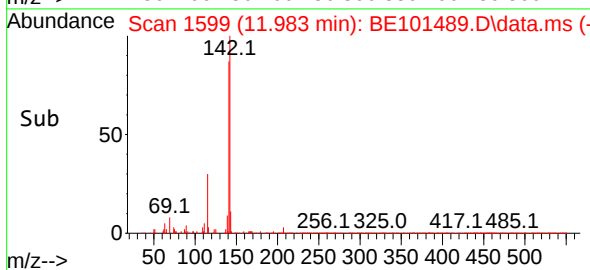
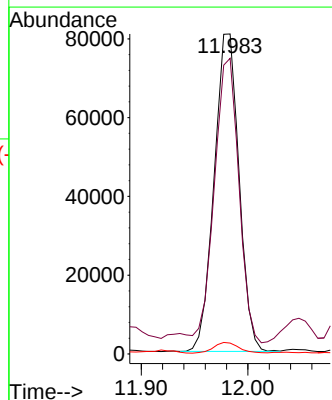
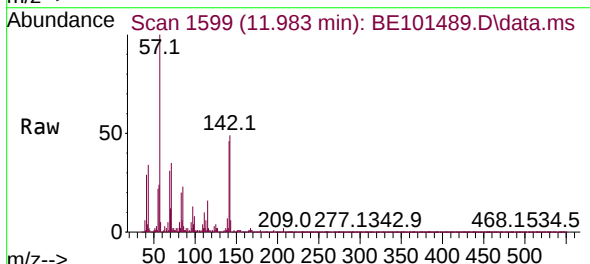
Instrument :
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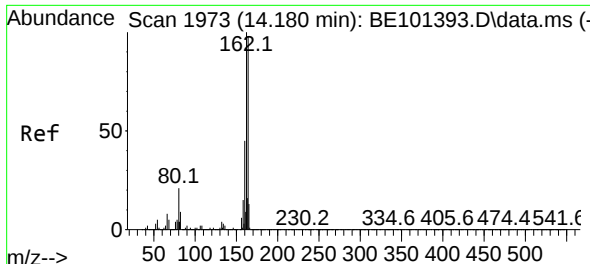
Tgt Ion:142 Resp: 130965
Ion Ratio Lower Upper
142 100
141 92.4 71.4 107.2
115 32.4 25.6 38.4



#38
1-Methylnaphthalene
Concen: 10.620 ng
RT: 11.983 min Scan# 1599
Delta R.T. -0.223 min
Lab File: BE101489.D
Acq: 5 Nov 2024 21:03

Tgt Ion:142 Resp: 130736
Ion Ratio Lower Upper
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141 92.4 75.0 112.4
116 3.4 2.9 4.3

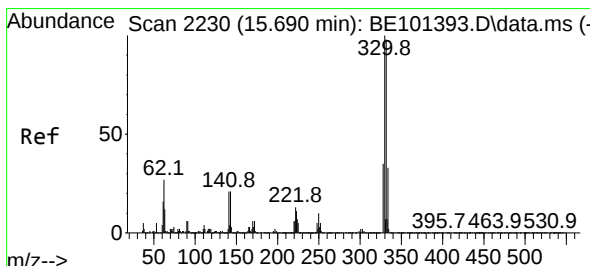
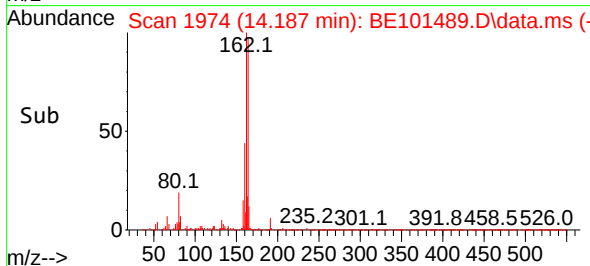
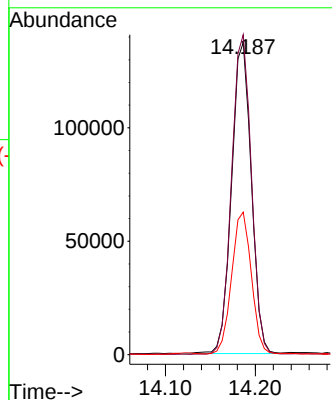
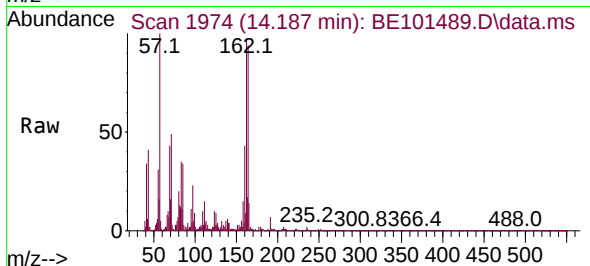




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.187 min Scan# 1974
Delta R.T. 0.006 min
Lab File: BE101489.D
Acq: 5 Nov 2024 21:03

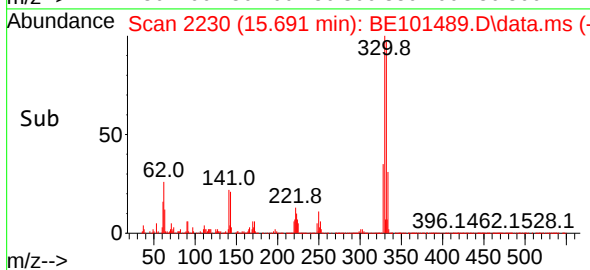
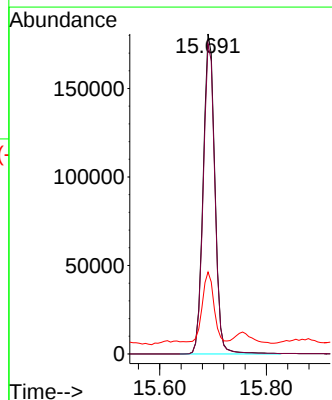
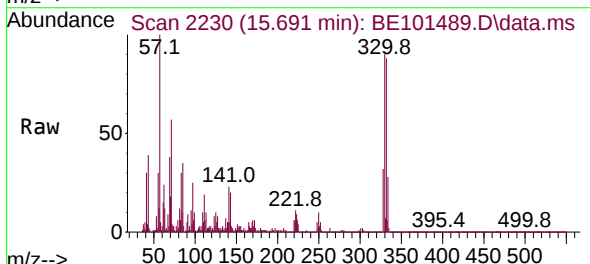
Instrument :
BNA_E
ClientSampleId :

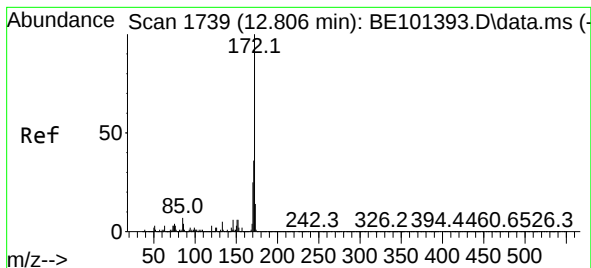
Tgt Ion:164 Resp: 208971
Ion Ratio Lower Upper
164 100
162 102.5 81.3 121.9
160 45.7 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 74.903 ng
RT: 15.691 min Scan# 2230
Delta R.T. 0.000 min
Lab File: BE101489.D
Acq: 5 Nov 2024 21:03

Tgt Ion:330 Resp: 274338
Ion Ratio Lower Upper
330 100
332 96.6 78.2 117.2
141 22.3 18.3 27.5





#45

2-Fluorobiphenyl

Concen: 55.803 ng

RT: 12.806 min Scan# 1

Delta R.T. 0.000 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

Instrument :

BNA_E

ClientSampleId :

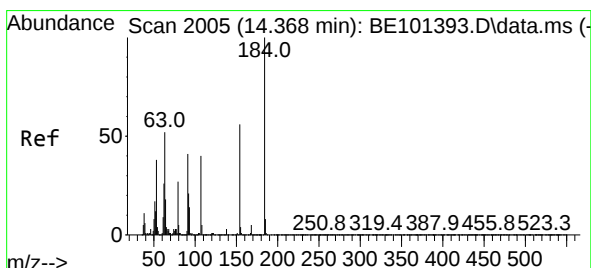
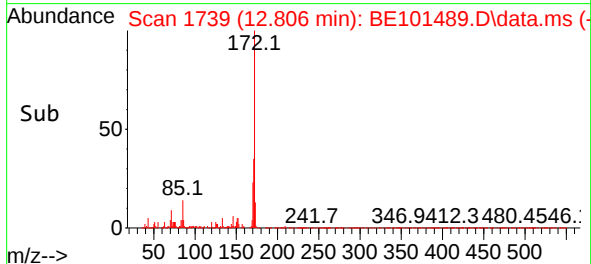
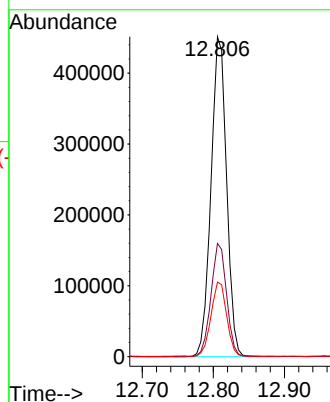
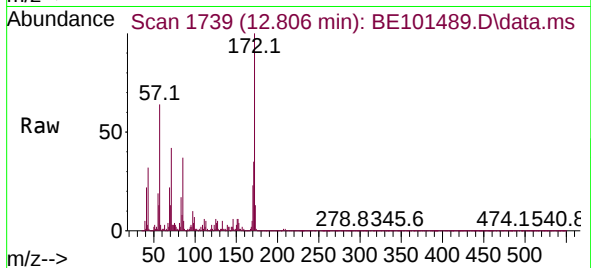
Tgt Ion:172 Resp: 688569

Ion Ratio Lower Upper

172 100

171 35.4 29.2 43.8

170 23.3 19.8 29.6



#54

2,4-Dinitrophenol

Concen: 5.782 ng

RT: 14.398 min Scan# 2010

Delta R.T. 0.030 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

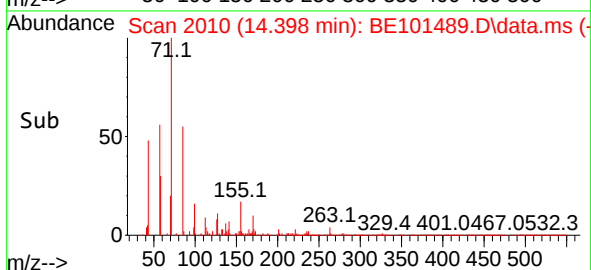
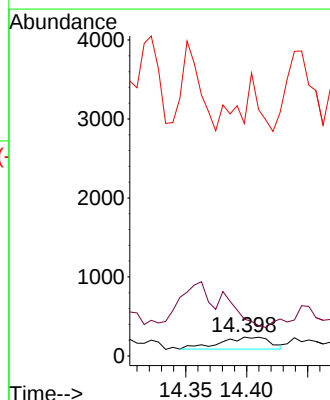
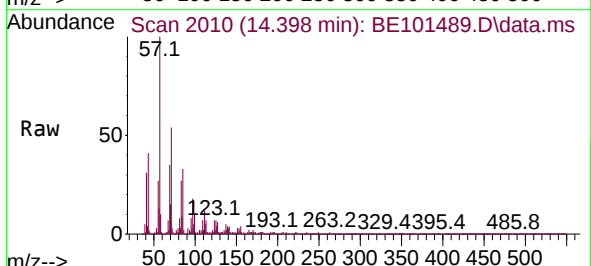
Tgt Ion:184 Resp: 429

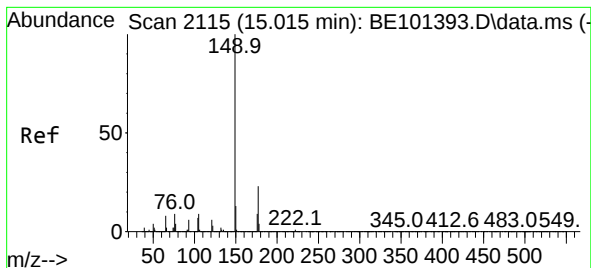
Ion Ratio Lower Upper

184 100

63 194.6 41.8 62.6#

154 1231.8 44.9 67.3#





#60

Diethylphthalate

Concen: 2.198 ng

RT: 15.009 min Scan# 2114

Delta R.T. -0.006 min

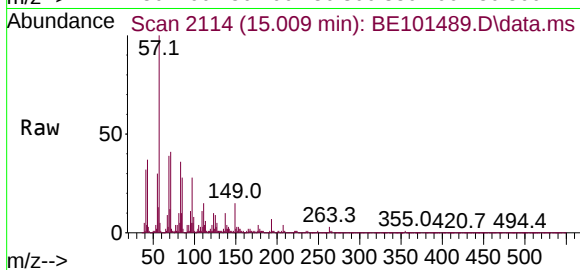
Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

Instrument :

BNA_E

ClientSampleId :



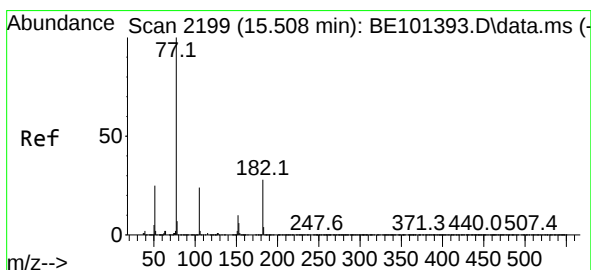
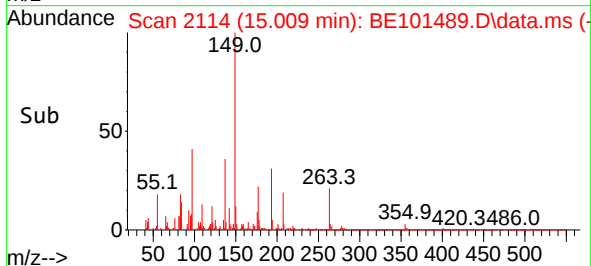
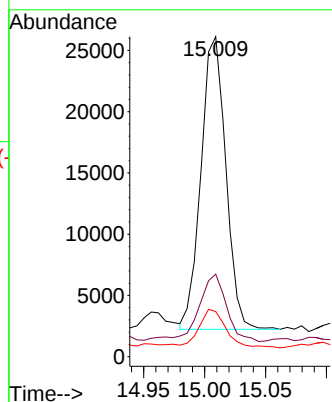
Tgt Ion:149 Resp: 33920

Ion Ratio Lower Upper

149 100

177 25.8 18.0 27.0

150 14.1 10.3 15.5



#63

Azobenzene

Concen: 2.764 ng

RT: 15.550 min Scan# 2206

Delta R.T. 0.041 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

Tgt Ion: 77 Resp: 36659

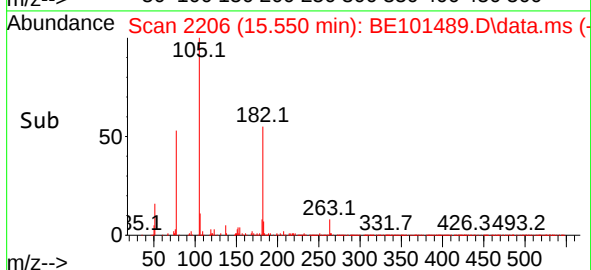
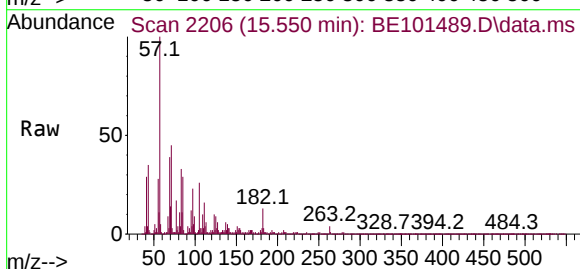
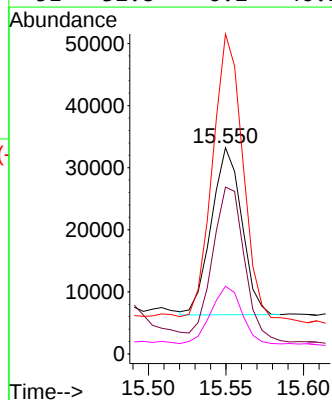
Ion Ratio Lower Upper

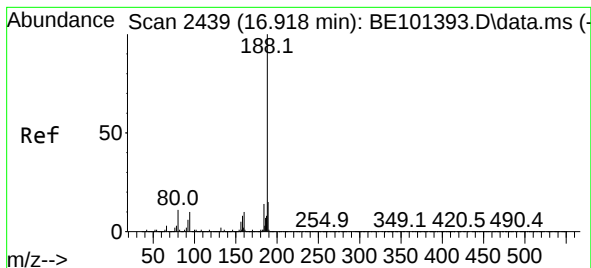
77 100

182 80.9 7.6 47.6#

105 155.1 3.2 43.2#

51 32.8 6.2 46.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.919 min Scan# 2439

Delta R.T. 0.000 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

Instrument :

BNA_E

ClientSampleId :

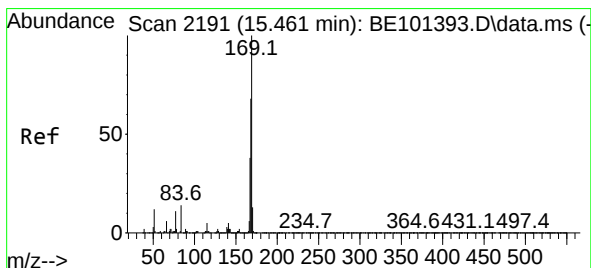
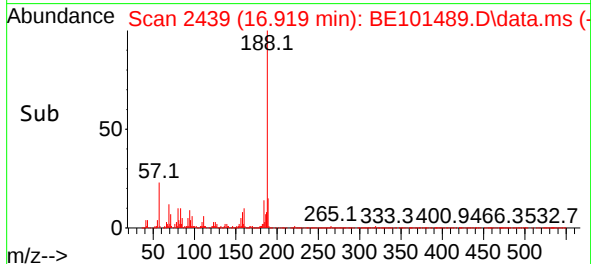
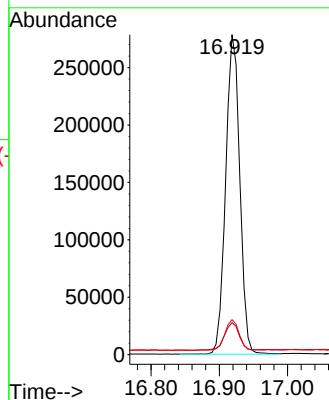
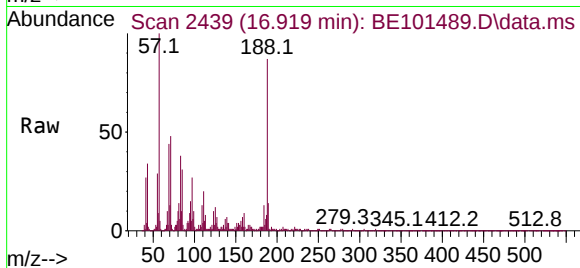
Tgt Ion:188 Resp: 400381

Ion Ratio Lower Upper

188 100

94 10.0 7.8 11.8

80 10.9 8.6 12.8



#66

n-Nitrosodiphenylamine

Concen: 9.408 ng

RT: 15.462 min Scan# 2191

Delta R.T. 0.000 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

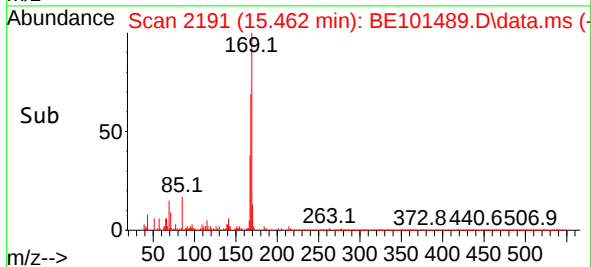
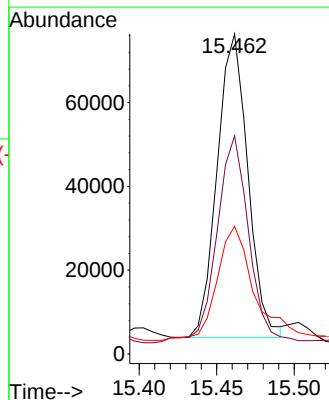
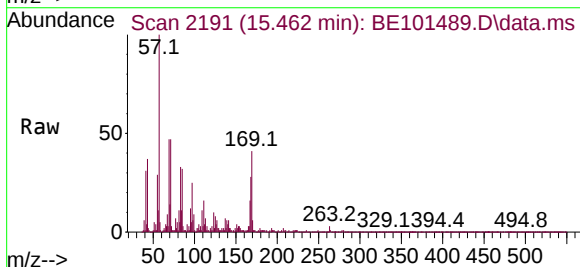
Tgt Ion:169 Resp: 99887

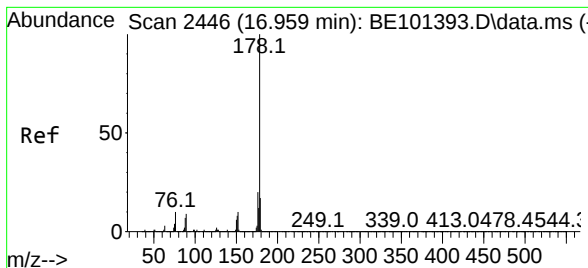
Ion Ratio Lower Upper

169 100

168 68.2 54.5 81.7

167 39.9 30.4 45.6

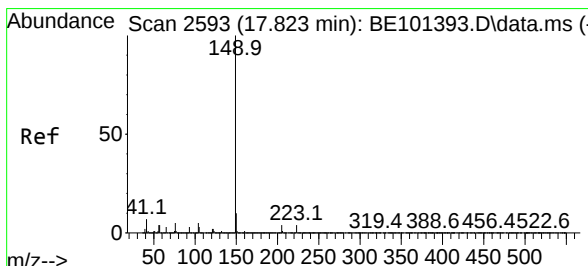
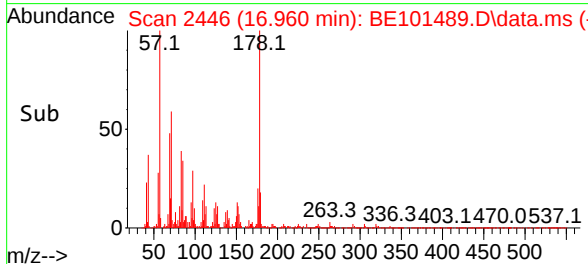
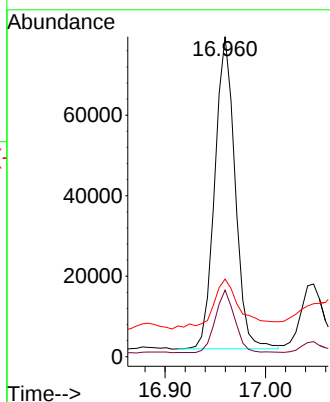
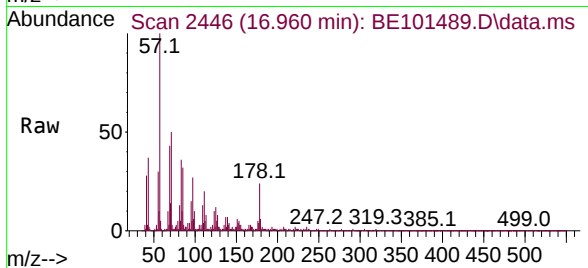




#71
Phenanthrene
Concen: 5.687 ng
RT: 16.960 min Scan# 2446
Delta R.T. 0.000 min
Lab File: BE101489.D
Acq: 5 Nov 2024 21:03

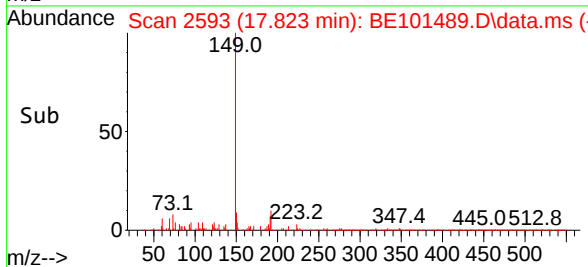
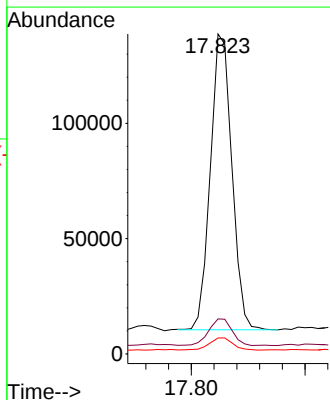
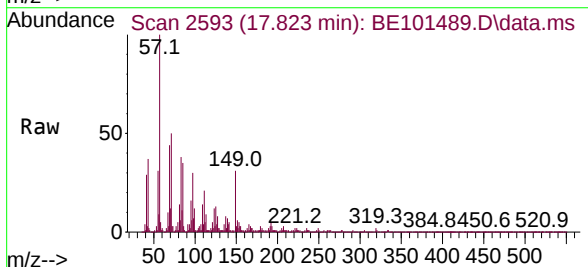
Instrument :
BNA_E
ClientSampleId :

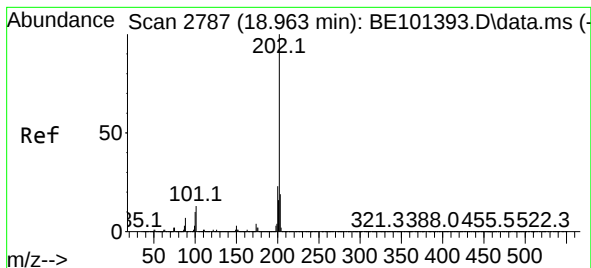
Tgt Ion:178 Resp: 109011
Ion Ratio Lower Upper
178 100
176 20.8 16.4 24.6
179 24.2 13.2 19.8#



#74
Di-n-butylphthalate
Concen: 7.995 ng
RT: 17.823 min Scan# 2593
Delta R.T. 0.000 min
Lab File: BE101489.D
Acq: 5 Nov 2024 21:03

Tgt Ion:149 Resp: 168583
Ion Ratio Lower Upper
149 100
150 10.9 8.2 12.4
104 5.0 3.9 5.9





#75

Fluoranthene

Concen: 2.653 ng

RT: 18.969 min Scan# 21

Delta R.T. 0.006 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

Instrument :

BNA_E

ClientSampleId :

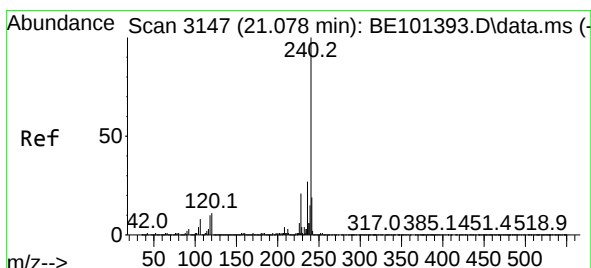
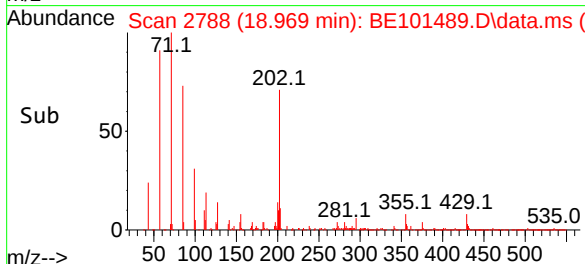
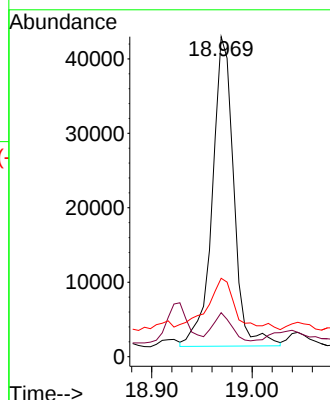
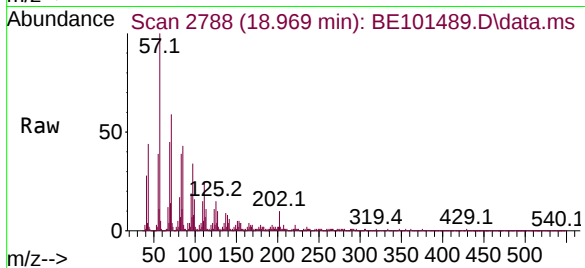
Tgt Ion:202 Resp: 61765

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.3

203 24.5 0.0 39.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.125 min Scan# 3155

Delta R.T. 0.047 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

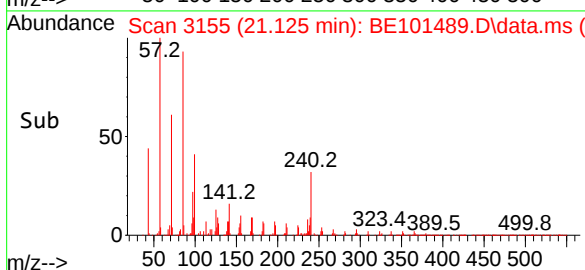
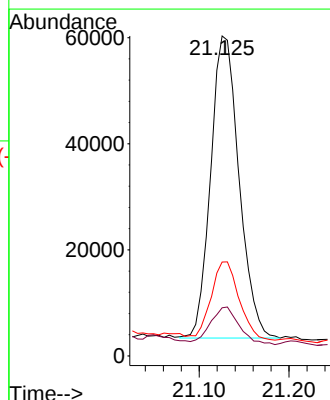
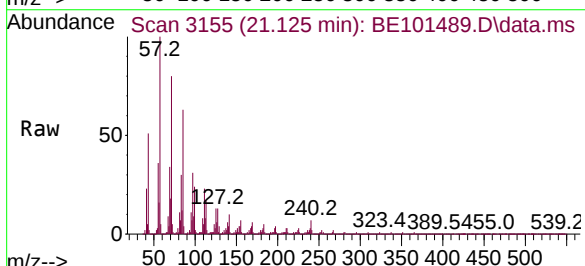
Tgt Ion:240 Resp: 124850

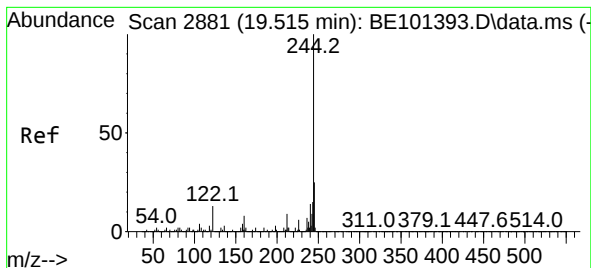
Ion Ratio Lower Upper

240 100

120 15.1 9.0 13.4

236 29.4 21.4 32.0





#79

Terphenyl-d14

Concen: 160.019 ng

RT: 19.521 min Scan# 21

Delta R.T. 0.006 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

Instrument :

BNA_E

ClientSampleId :

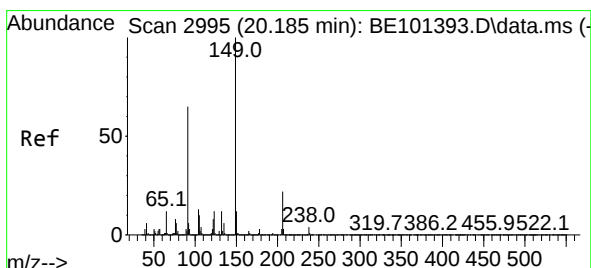
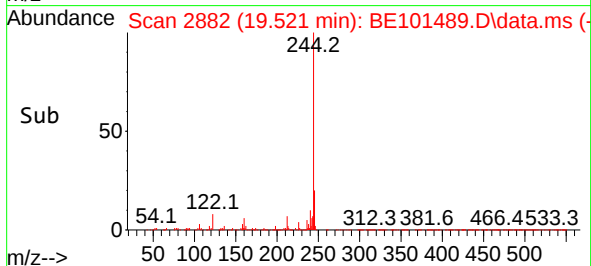
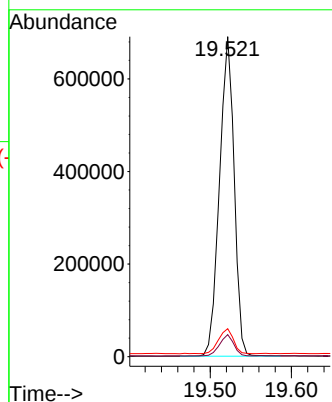
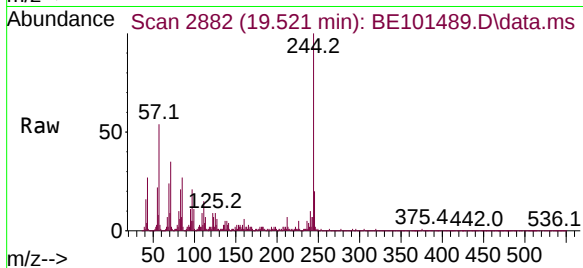
Tgt Ion:244 Resp: 868041

Ion Ratio Lower Upper

244 100

212 6.9 7.2 10.8#

122 8.8 10.4 15.6#



#80

Butylbenzylphthalate

Concen: 7.572 ng

RT: 20.274 min Scan# 3010

Delta R.T. 0.088 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

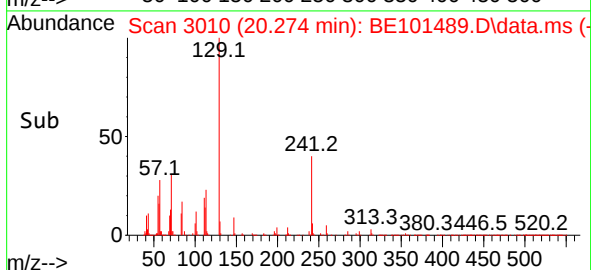
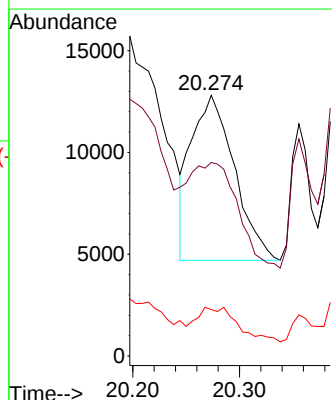
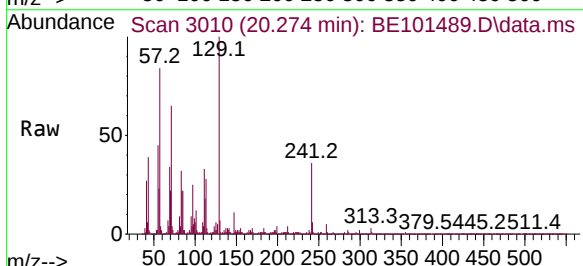
Tgt Ion:149 Resp: 22791

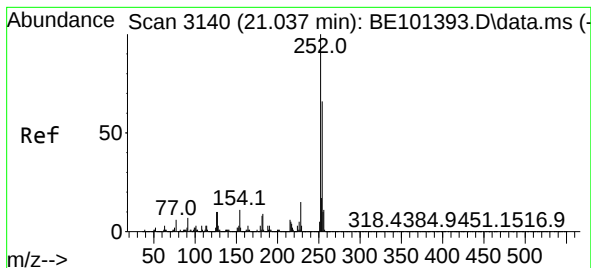
Ion Ratio Lower Upper

149 100

91 74.2 51.8 77.8

206 17.8 17.4 26.2





#82

3,3'-Dichlorobenzidine

Concen: 2.899 ng

RT: 21.055 min Scan# 3143

Delta R.T. 0.018 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

Instrument :

BNA_E

ClientSampleId :

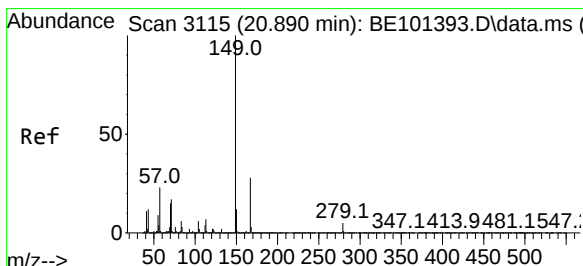
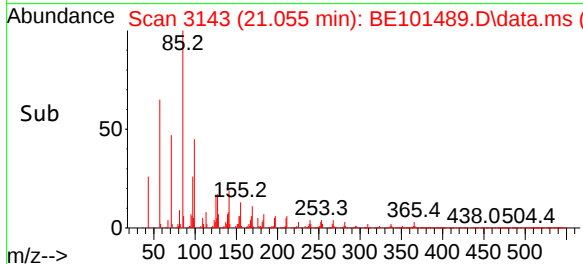
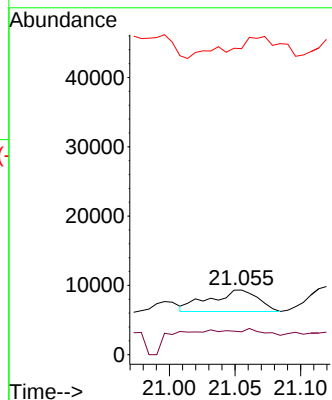
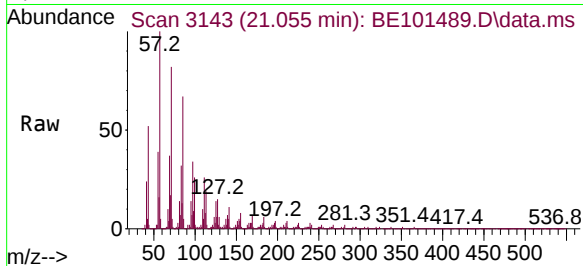
Tgt Ion:252 Resp: 7970

Ion Ratio Lower Upper

252 100

254 35.3 52.6 78.8#

126 473.9 7.7 11.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.982 ng

RT: 20.926 min Scan# 3121

Delta R.T. 0.036 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

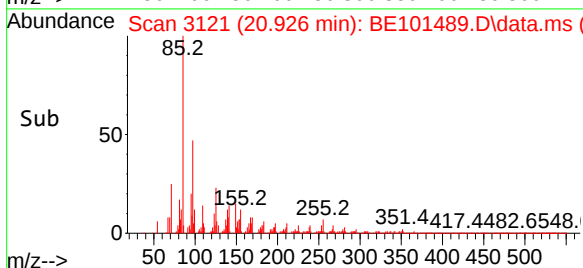
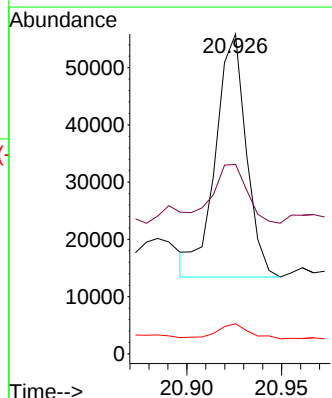
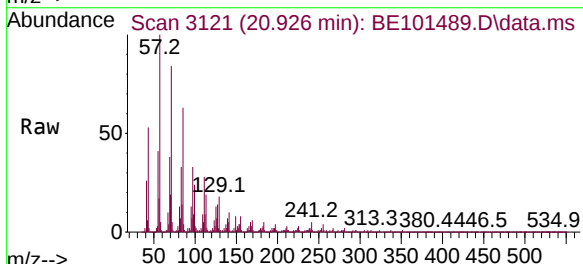
Tgt Ion:149 Resp: 47911

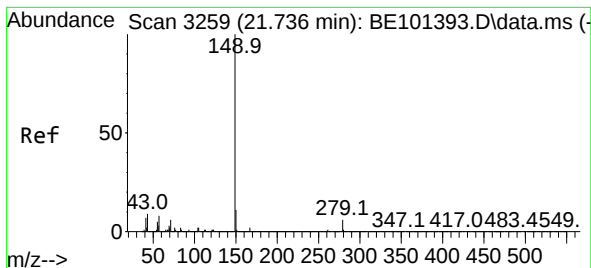
Ion Ratio Lower Upper

149 100

167 59.2 22.7 34.1#

279 9.4 4.3 6.5#





#85

Di-n-octyl phthalate

Concen: 14.355 ng

RT: 21.819 min Scan# 31

Delta R.T. 0.083 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

Instrument :

BNA_E

ClientSampleId :

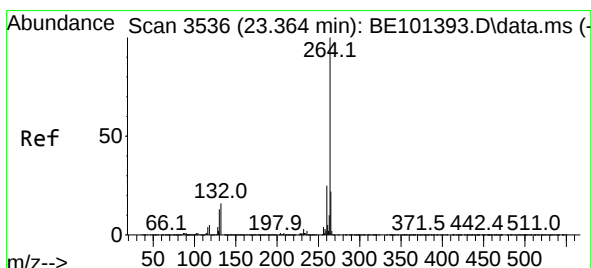
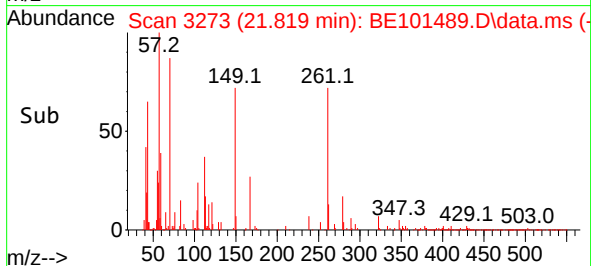
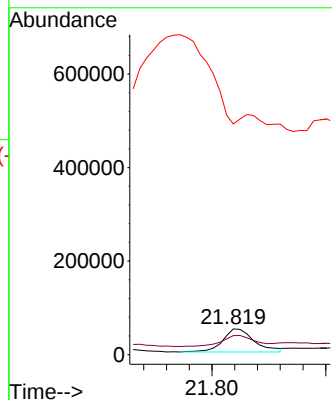
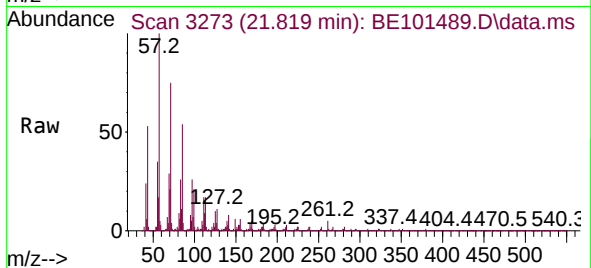
Tgt Ion:149 Resp: 94209

Ion Ratio Lower Upper

149 100

167 48.7 1.4 2.0#

43 0.0 7.0 10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.476 min Scan# 3555

Delta R.T. 0.112 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

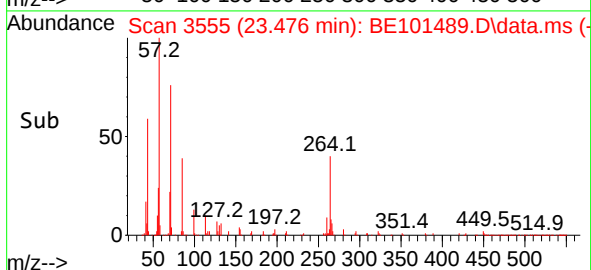
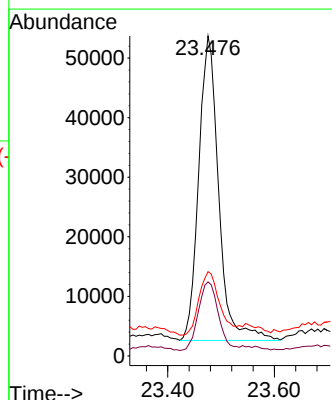
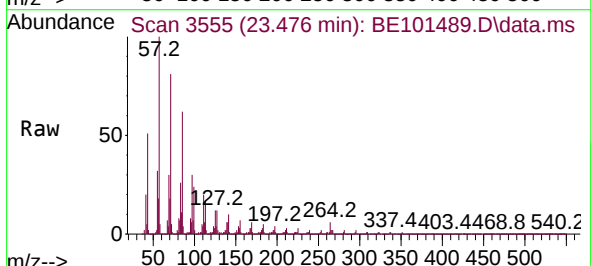
Tgt Ion:264 Resp: 132821

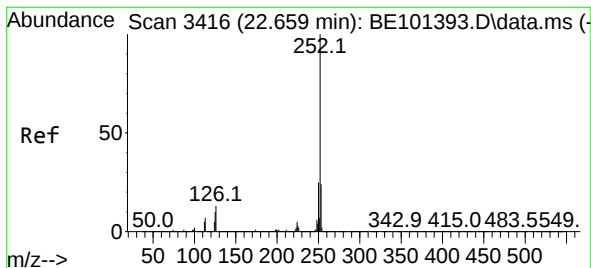
Ion Ratio Lower Upper

264 100

260 23.1 19.8 29.8

265 26.4 17.6 26.4





#88

Benzo(b)fluoranthene

Concen: 8.350 ng

RT: 22.735 min Scan# 3416

Delta R.T. 0.077 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

Instrument :

BNA_E

ClientSampleId :

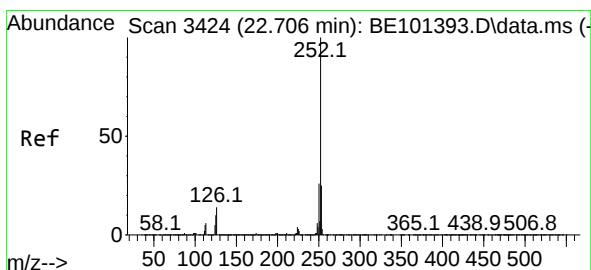
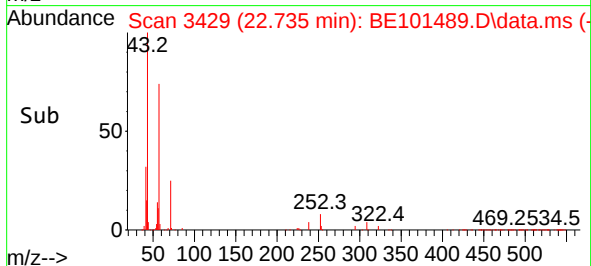
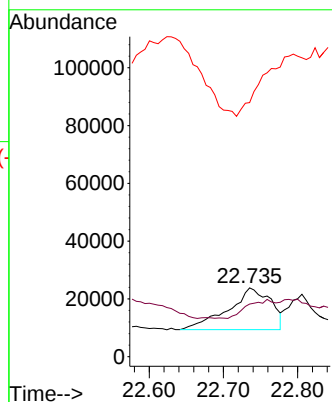
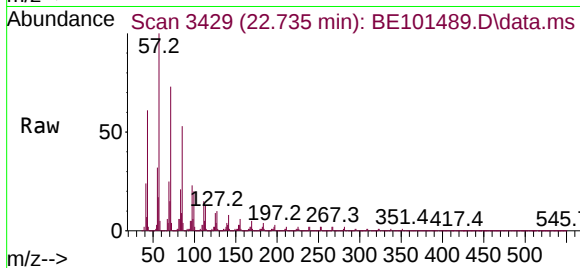
Tgt Ion:252 Resp: 57794

Ion Ratio Lower Upper

252 100

253 76.6 19.0 28.6#

125 369.6 8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 2.629 ng

RT: 22.806 min Scan# 3441

Delta R.T. 0.100 min

Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

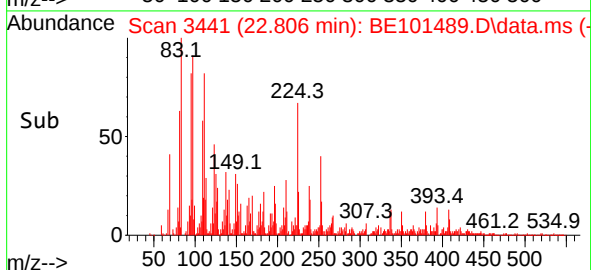
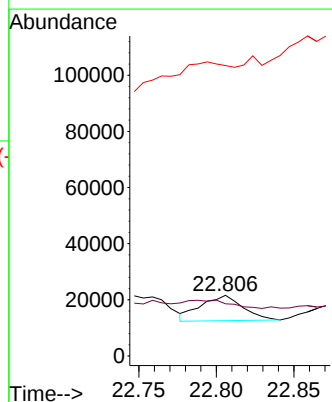
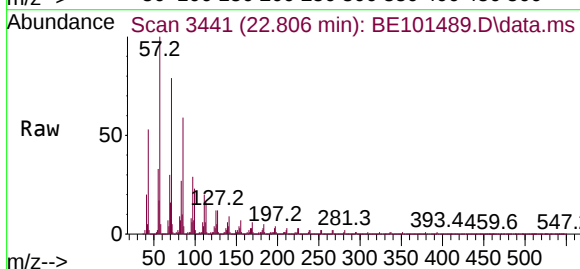
Tgt Ion:252 Resp: 17001

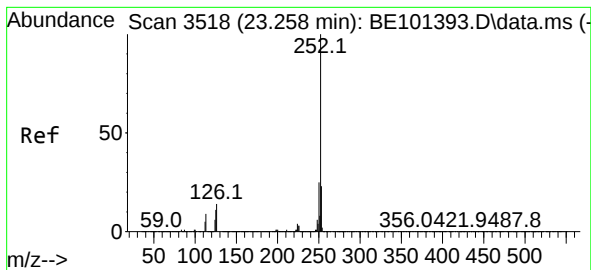
Ion Ratio Lower Upper

252 100

253 86.1 19.4 29.2#

125 479.3 8.2 12.2#





#90

Benzo(a)pyrene

Concen: 5.023 ng

RT: 23.358 min Scan# 3

Delta R.T. 0.100 min

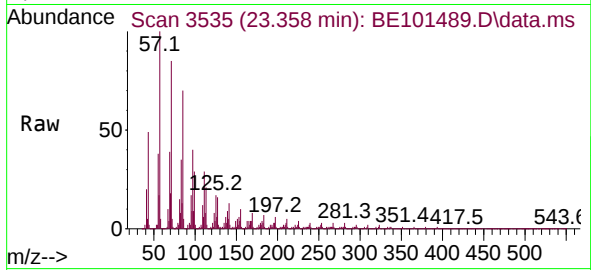
Lab File: BE101489.D

Acq: 5 Nov 2024 21:03

Instrument :

BNA_E

ClientSampleId :



Tgt Ion:252 Resp: 30409

Ion Ratio Lower Upper

252 100

253 124.2 18.4 27.6#

125 701.2 9.0 13.6#

