

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111324\
 Data File : BE101596.D
 Acq On : 13 Nov 2024 15:32
 Operator : RC/JU
 Sample : P4816-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 331

Quant Time: Nov 13 16:35:07 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)

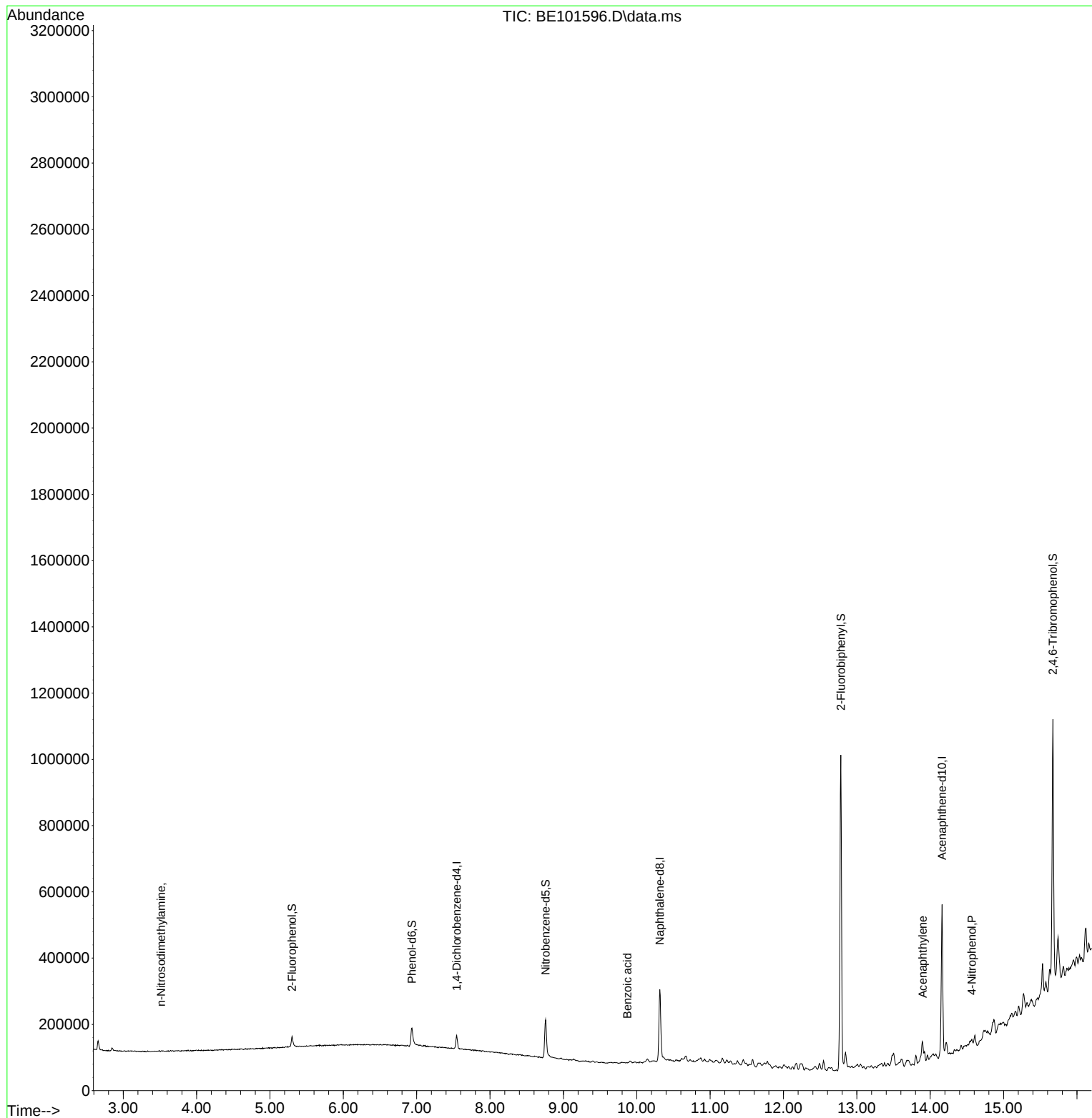
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	10685	20.000	ng	#-0.02
21) Naphthalene-d8	10.314	136	210426	20.000	ng	-0.02
39) Acenaphthene-d10	14.162	164	141494	20.000	ng	-0.01
64) Phenanthrene-d10	16.906	188	332390	20.000	ng	0.00
76) Chrysene-d12	21.072	240	375184	20.000	ng	0.00
86) Perylene-d12	23.357	264	495731	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.302	112	14217	23.527	ng	-0.01
7) Phenol-d6	6.935	99	40930	49.400	ng	-0.01
23) Nitrobenzene-d5	8.757	82	86153	25.861	ng	-0.02
42) 2,4,6-Tribromophenol	15.672	330	180226	67.691	ng	-0.01
45) 2-Fluorobiphenyl	12.781	172	494990	57.120	ng	-0.02
79) Terphenyl-d14	19.497	244	1088974	64.249	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.516	42	721	2.895	ng	# 1
32) Benzoic acid	9.873	122	41	6.851	ng	# 1
49) Acenaphthylene	13.898	152	29668	2.586	ng	95
56) 4-Nitrophenol	14.567	139	4871	2.613	ng	# 30
71) Phenanthrene	16.941	178	234949	14.533	ng	99
72) Anthracene	16.941	178	234949	14.717	ng	98
75) Fluoranthene	18.956	202	704394	33.983	ng	100
78) Pyrene	19.326	202	681165	31.908	ng	99
81) Benzo(a)anthracene	21.048	228	308723	13.855	ng	97
83) Chrysene	21.107	228	421552	19.904	ng	98
87) Indeno(1,2,3-cd)pyrene	25.678	276	271635	7.974	ng	97
88) Benzo(b)fluoranthene	22.646	252	755711	27.786	ng	# 96
89) Benzo(k)fluoranthene	22.646	252	755711	30.608	ng	# 96
90) Benzo(a)pyrene	23.245	252	319154	13.592	ng	# 96
91) Dibenzo(a,h)anthracene	25.660	278	64517	2.274	ng	# 79
92) Benzo(g,h,i)perylene	26.430	276	269040	9.334	ng	94

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

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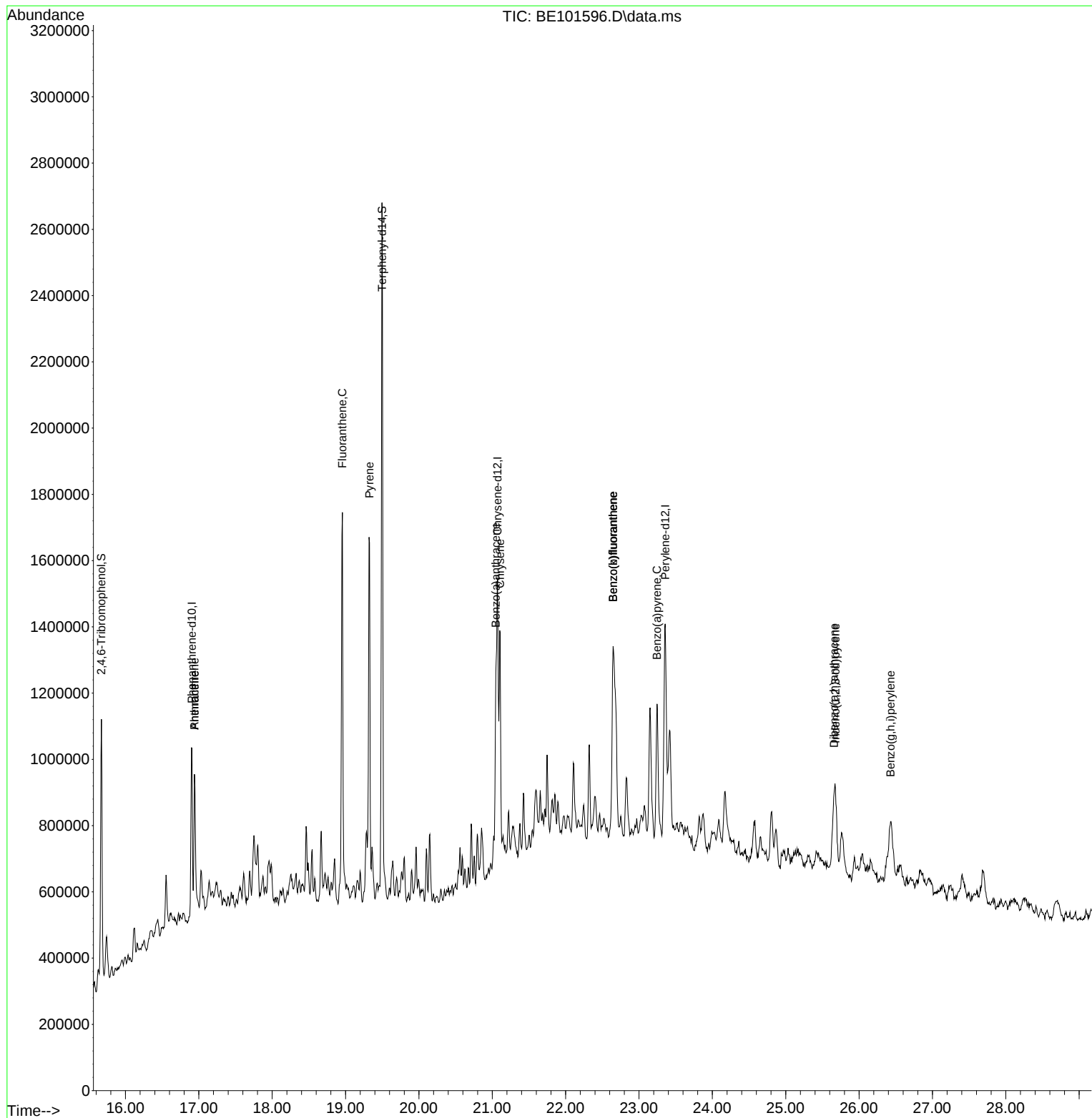
Quant Time: Nov 13 16:35:07 2024
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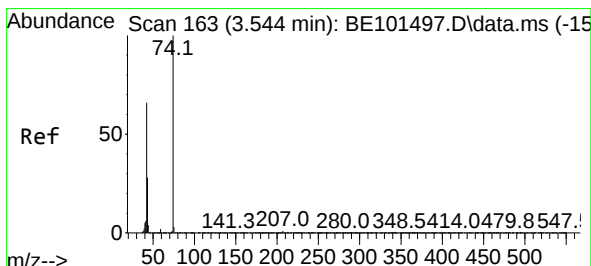
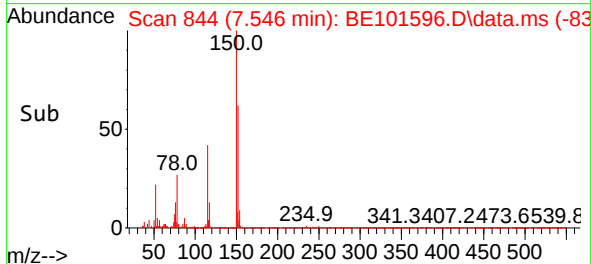
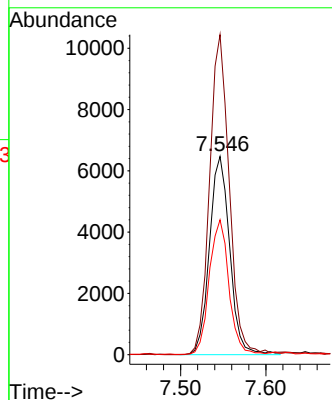
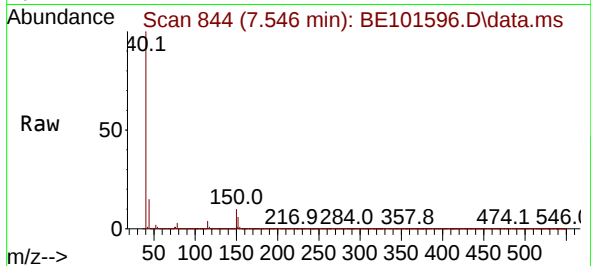




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.546 min Scan# 84
Delta R.T. -0.017 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

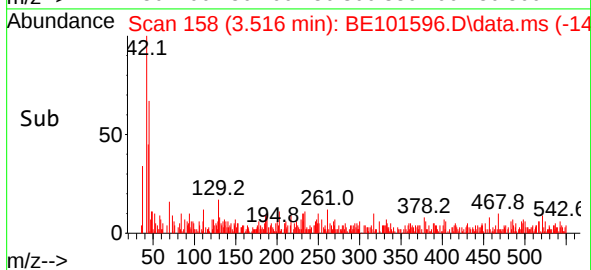
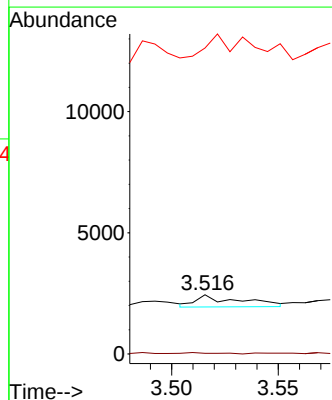
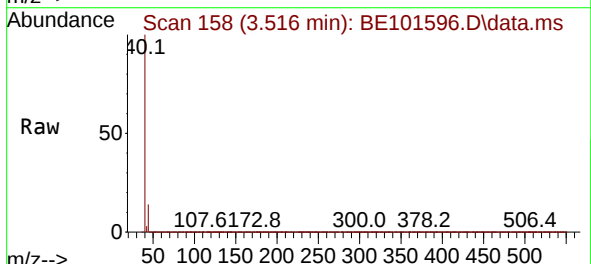
Instrument :
BNA_E
ClientSampleId :
331

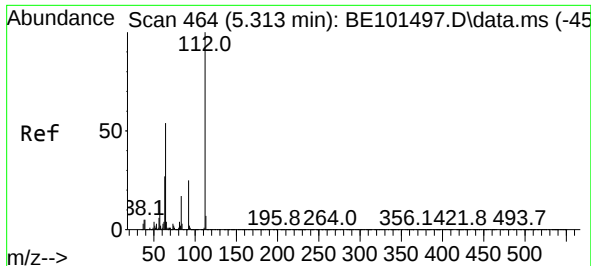
Tgt Ion:152 Resp: 10685
Ion Ratio Lower Upper
152 100
150 161.4 126.3 189.5
115 68.0 45.0 67.4#



#4
n-Nitrosodimethylamine
Concen: 2.895 ng
RT: 3.516 min Scan# 158
Delta R.T. -0.029 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

Tgt Ion: 42 Resp: 721
Ion Ratio Lower Upper
42 100
74 1.0 120.1 180.1#
44 516.3 5.8 8.6#

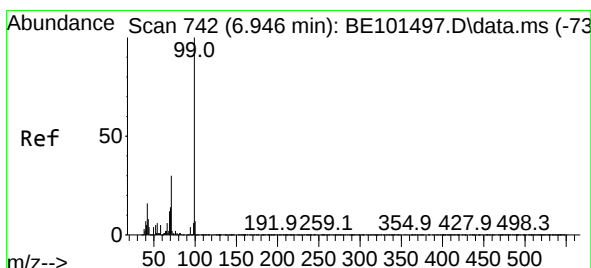
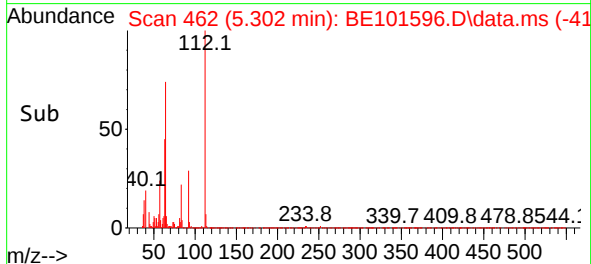
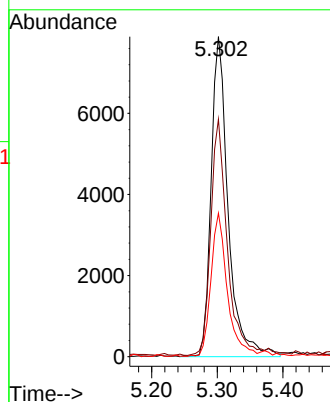
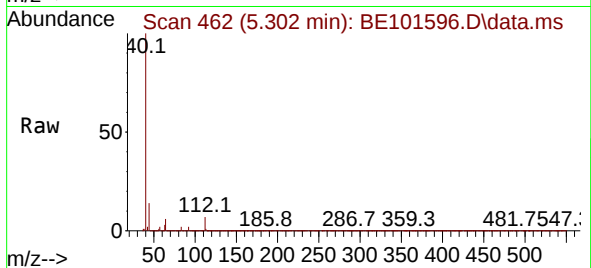




#5
2-Fluorophenol
Concen: 23.527 ng
RT: 5.302 min Scan# 41
Delta R.T. -0.011 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

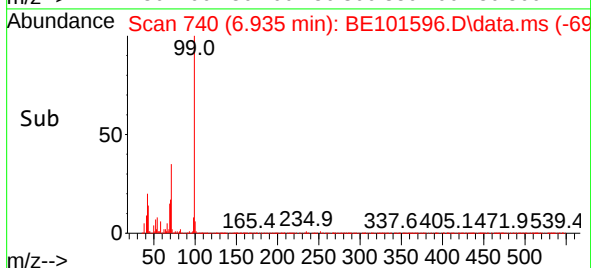
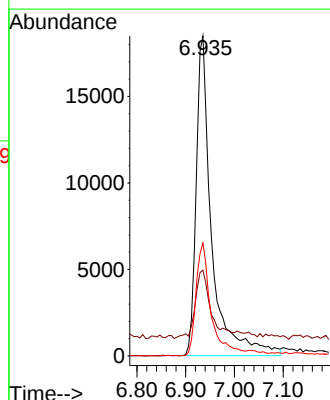
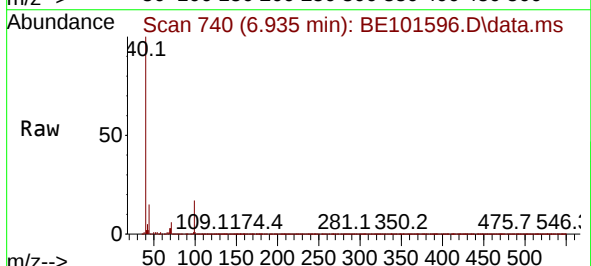
Instrument :
BNA_E
ClientSampleId :
331

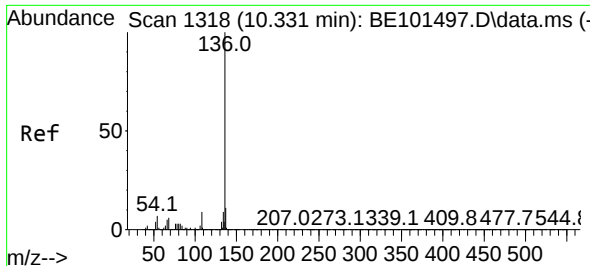
Tgt Ion:112 Resp: 14217
Ion Ratio Lower Upper
112 100
64 74.2 43.2 64.8#
63 44.8 21.8 32.6#



#7
Phenol-d6
Concen: 49.400 ng
RT: 6.935 min Scan# 740
Delta R.T. -0.011 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

Tgt Ion: 99 Resp: 40930
Ion Ratio Lower Upper
99 100
42 26.8 12.5 18.7#
71 35.3 24.2 36.2

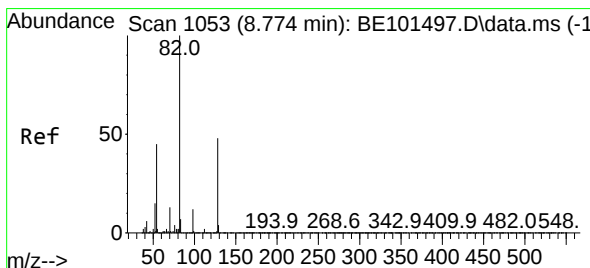
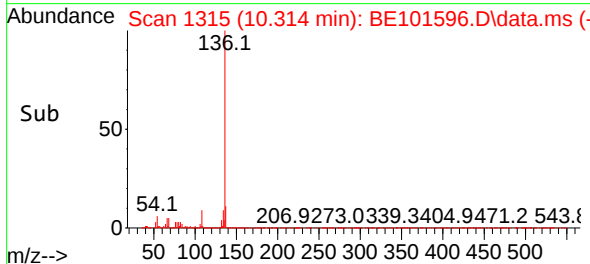
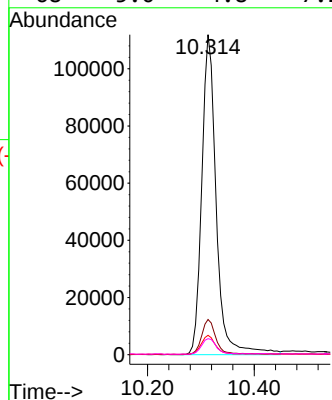
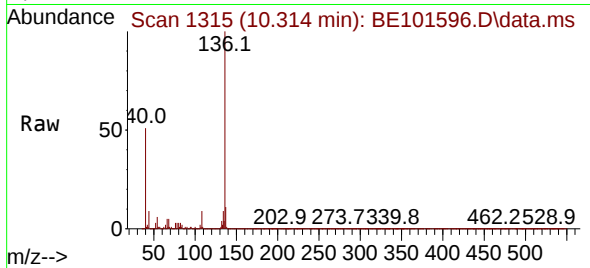




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.314 min Scan# 11
Delta R.T. -0.017 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

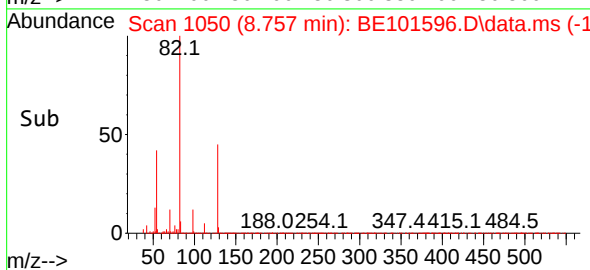
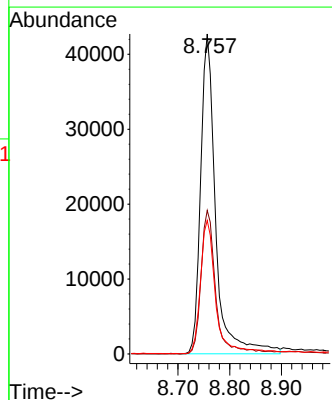
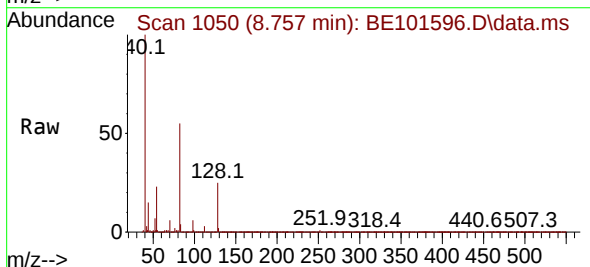
Instrument :
BNA_E
ClientSampleId :
331

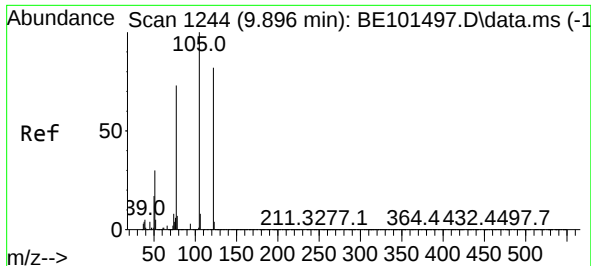
Tgt Ion:	136	Resp:	210426
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	6.0	5.6	8.4
68	5.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 25.861 ng
RT: 8.757 min Scan# 1050
Delta R.T. -0.017 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

Tgt Ion:	82	Resp:	86153
Ion Ratio	Lower	Upper	
82	100		
128	44.9	38.6	58.0
54	41.7	36.3	54.5

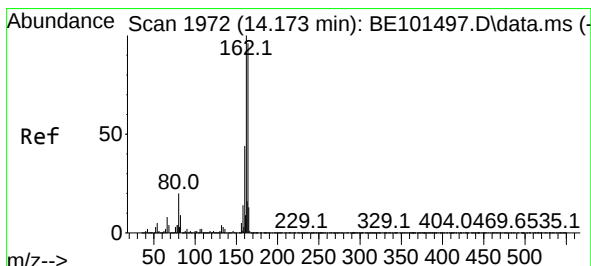
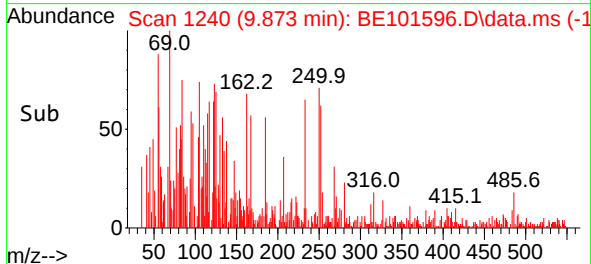
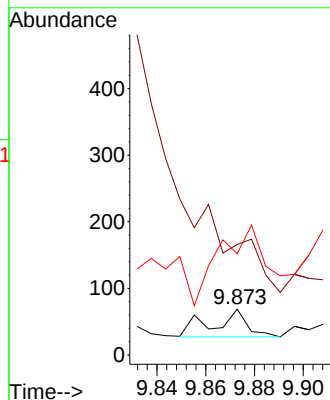
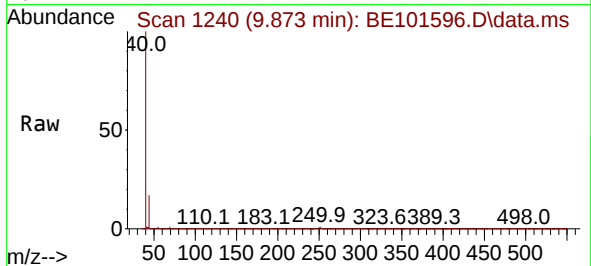




#32
Benzoic acid
Concen: 6.851 ng
RT: 9.873 min Scan# 11
Delta R.T. -0.023 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

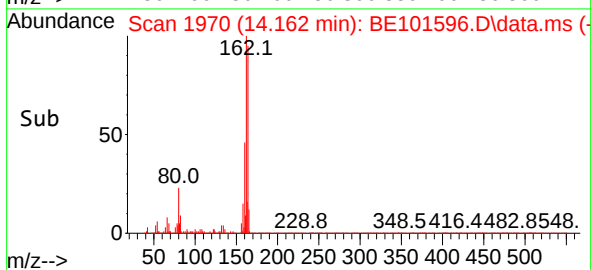
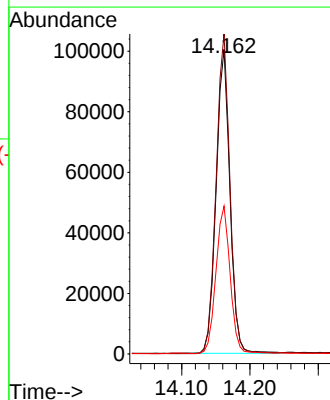
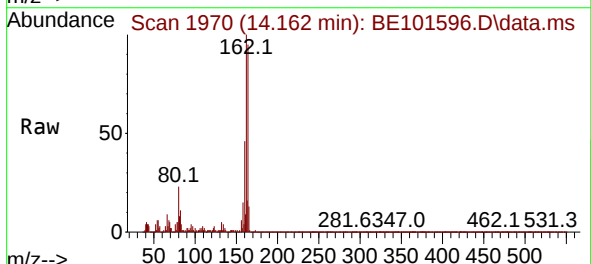
Instrument :
BNA_E
ClientSampleId :
331

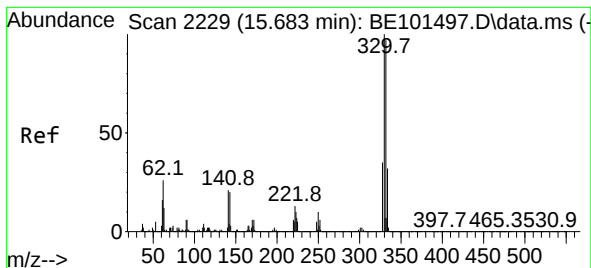
Tgt Ion:122 Resp: 41
Ion Ratio Lower Upper
122 100
105 240.6 100.6 140.6#
77 220.3 68.6 108.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.162 min Scan# 1970
Delta R.T. -0.011 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

Tgt Ion:164 Resp: 141494
Ion Ratio Lower Upper
164 100
162 105.1 83.7 125.5
160 48.5 37.1 55.7

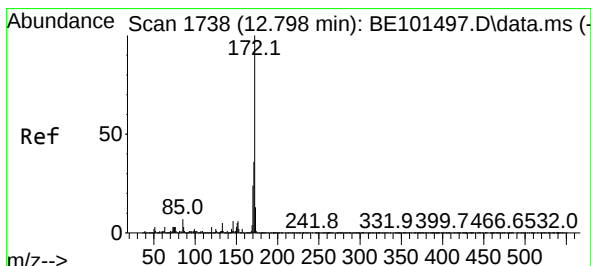
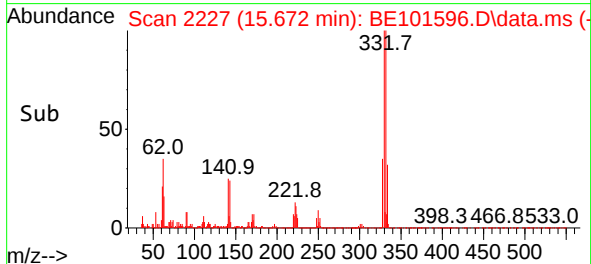
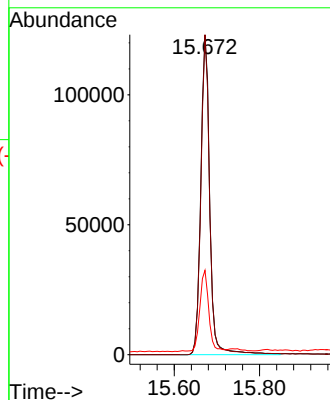
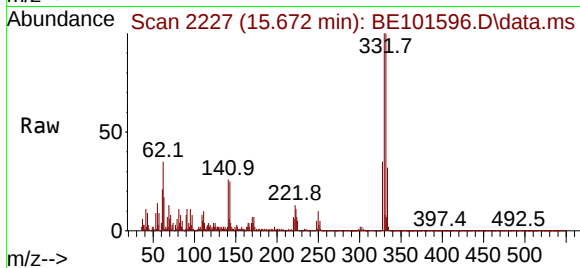




#42
2,4,6-Tribromophenol
Concen: 67.691 ng
RT: 15.672 min Scan# 211
Delta R.T. -0.011 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

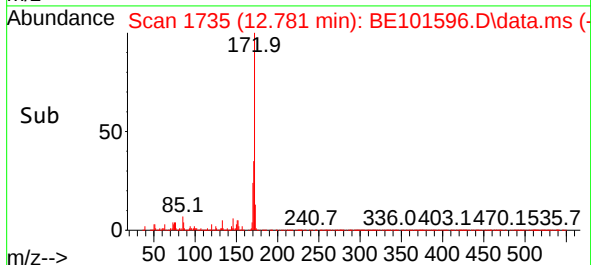
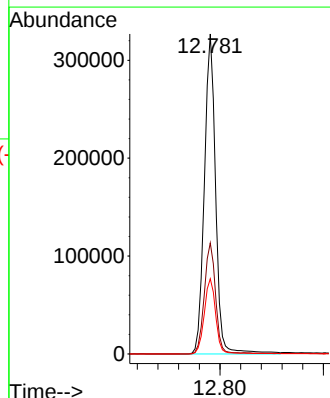
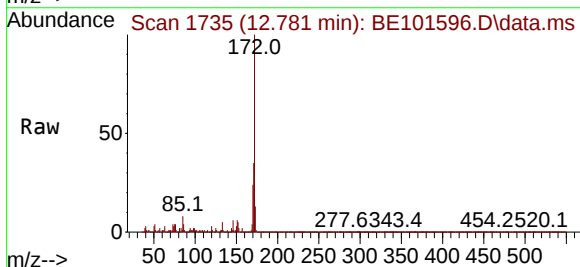
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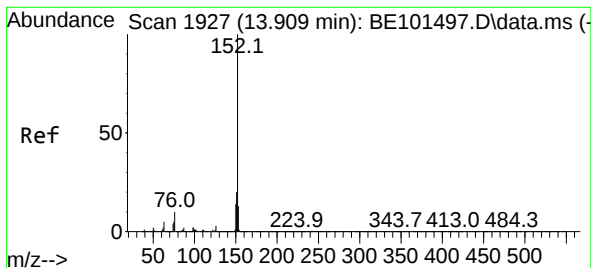
Tgt Ion:330 Resp: 180226
Ion Ratio Lower Upper
330 100
332 97.9 77.7 116.5
141 24.5 17.0 25.4



#45
2-Fluorobiphenyl
Concen: 57.120 ng
RT: 12.781 min Scan# 1735
Delta R.T. -0.017 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

Tgt Ion:172 Resp: 494990
Ion Ratio Lower Upper
172 100
171 34.7 28.6 43.0
170 23.5 18.9 28.3





#49

Acenaphthylene

Concen: 2.586 ng

RT: 13.898 min Scan# 1925

Delta R.T. -0.011 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

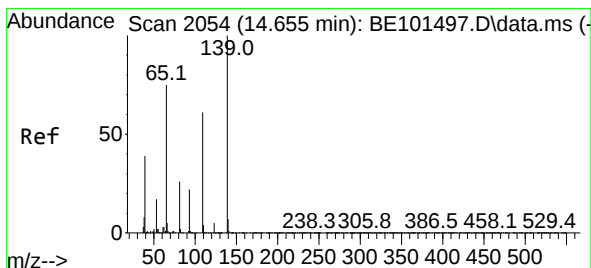
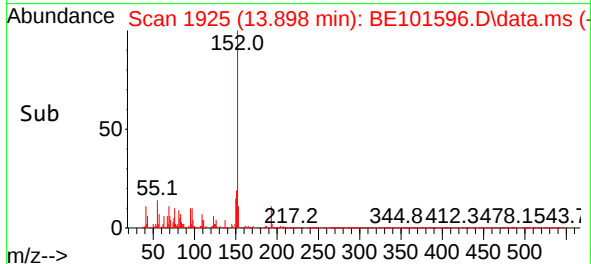
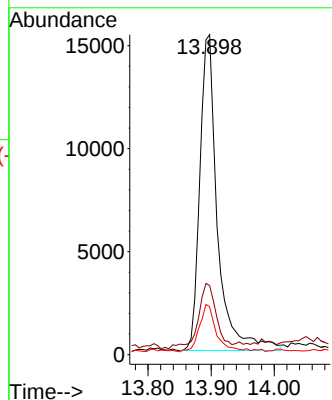
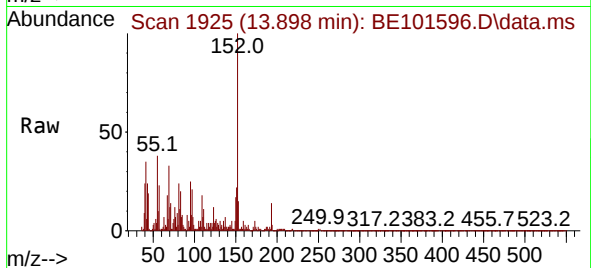
Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:152	Resp:	29668
Ion Ratio	Lower	Upper
152	100	
151	21.6	15.6 23.4
153	15.0	10.3 15.5



#56

4-Nitrophenol

Concen: 2.613 ng

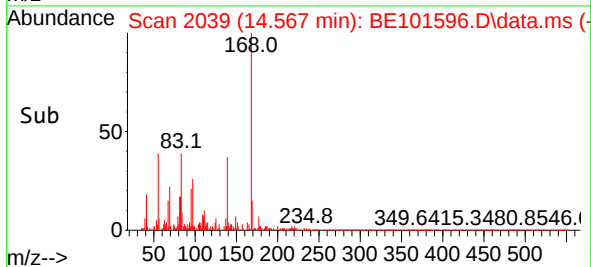
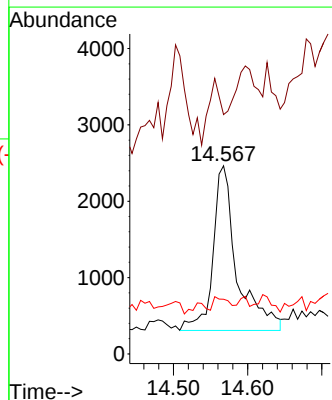
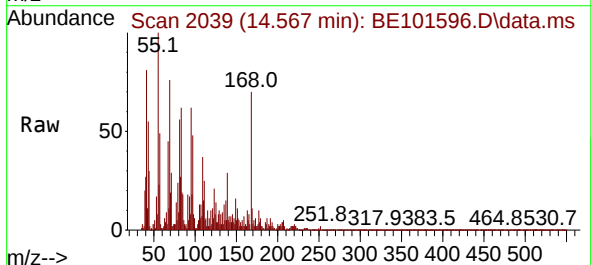
RT: 14.567 min Scan# 2039

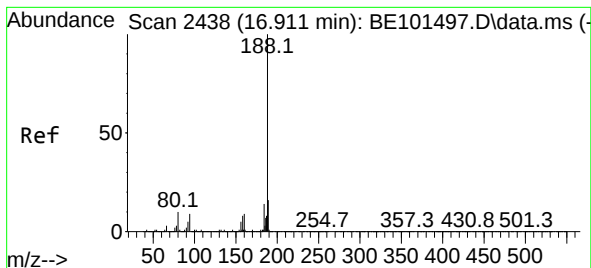
Delta R.T. -0.088 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

Tgt Ion:139	Resp:	4871
Ion Ratio	Lower	Upper
139	100	
109	127.2	40.7 80.7#
65	29.1	58.0 98.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.906 min Scan# 2438

Delta R.T. -0.005 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

Instrument :

BNA_E

ClientSampleId :

331

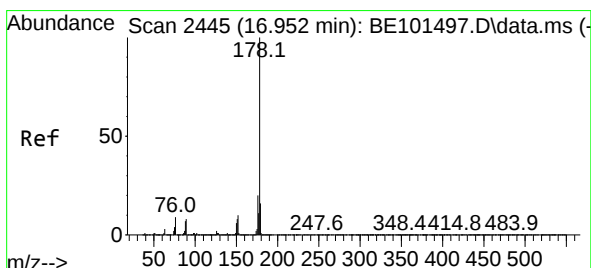
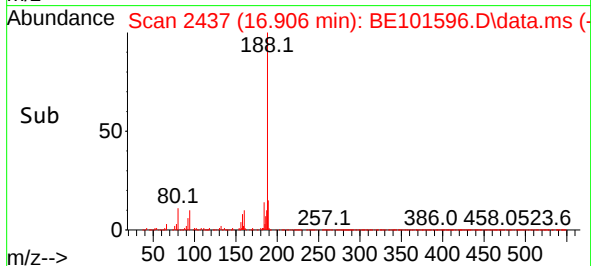
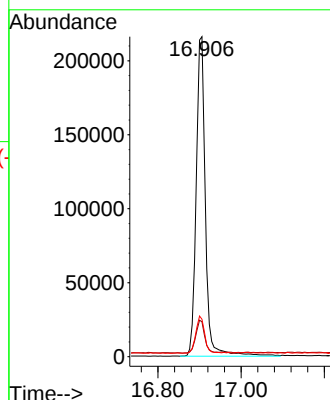
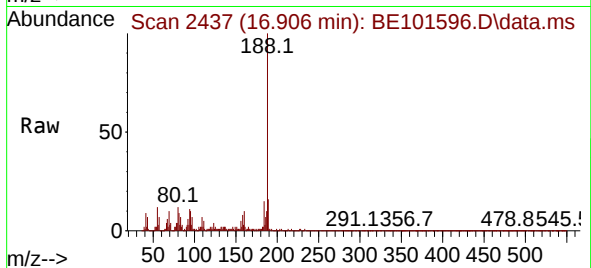
Tgt Ion:188 Resp: 332390

Ion Ratio Lower Upper

188 100

94 10.9 7.4 11.2

80 11.7 8.0 12.0



#71

Phenanthrene

Concen: 14.533 ng

RT: 16.941 min Scan# 2443

Delta R.T. -0.011 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

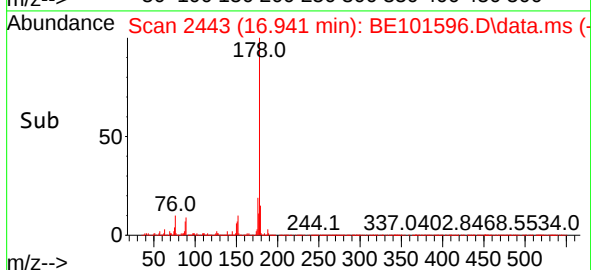
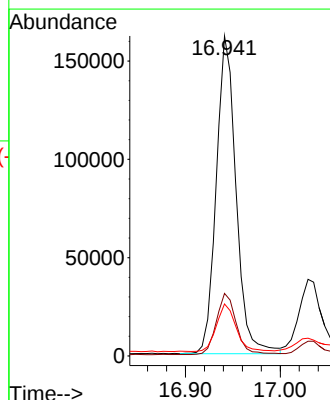
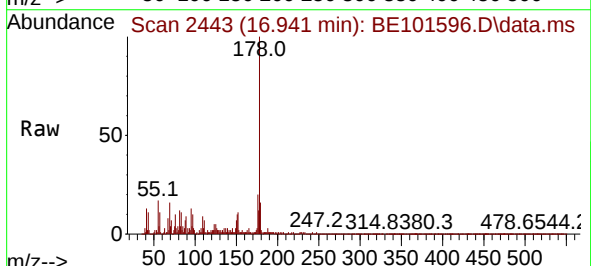
Tgt Ion:178 Resp: 234949

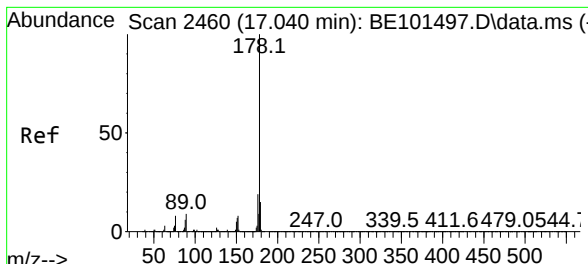
Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

179 16.2 12.6 19.0

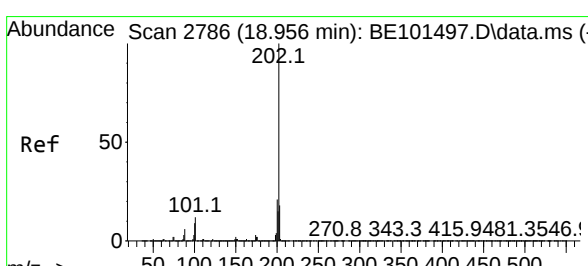
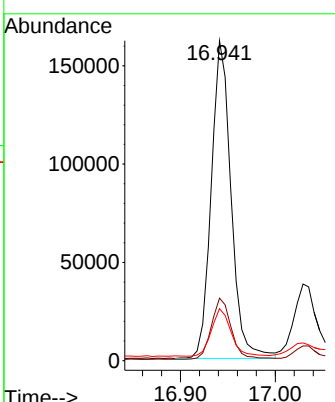
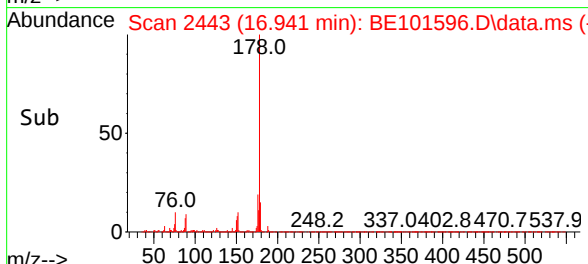
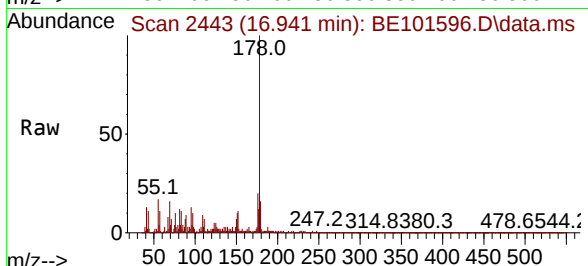




#72
 Anthracene
 Concen: 14.717 ng
 RT: 16.941 min Scan# 2460
 Delta R.T. -0.099 min
 Lab File: BE101596.D
 Acq: 13 Nov 2024 15:32

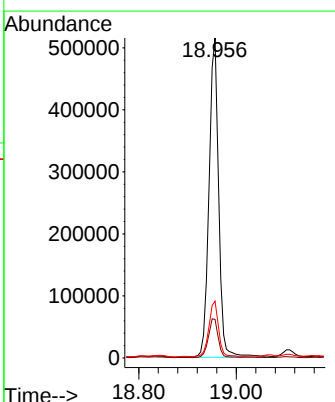
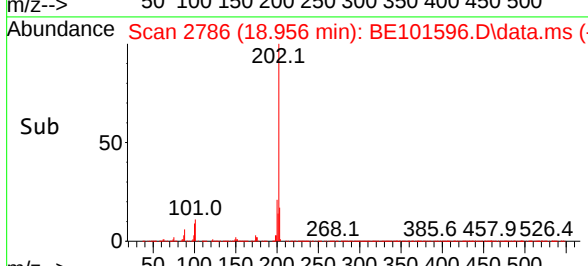
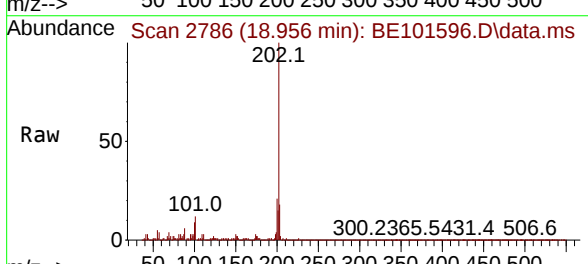
Instrument :
 BNA_E
 ClientSampleId :
 331

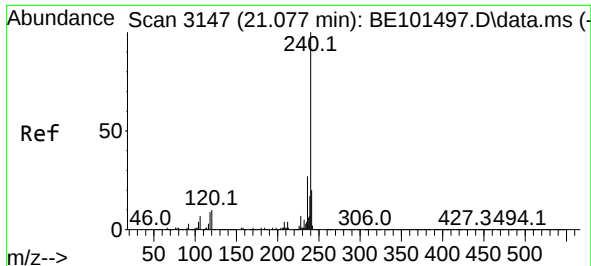
Tgt Ion:	178	Resp:	234949
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.1	22.7
179	16.2	12.4	18.6



#75
 Fluoranthene
 Concen: 33.983 ng
 RT: 18.956 min Scan# 2786
 Delta R.T. 0.001 min
 Lab File: BE101596.D
 Acq: 13 Nov 2024 15:32

Tgt Ion:	202	Resp:	704394
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	31.7
203	17.8	0.0	37.8

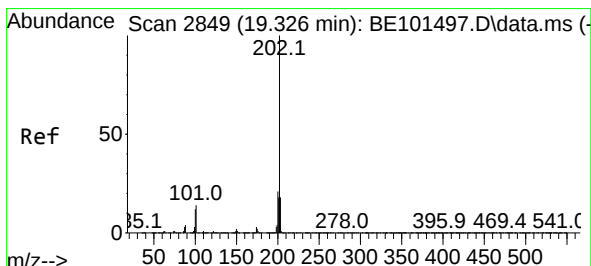
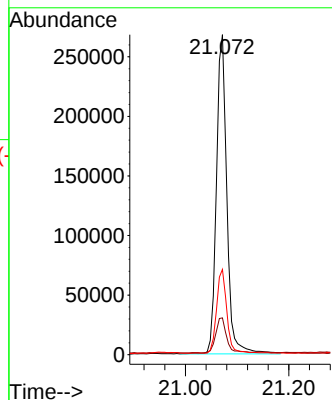
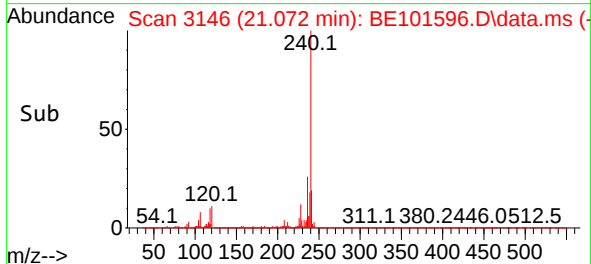
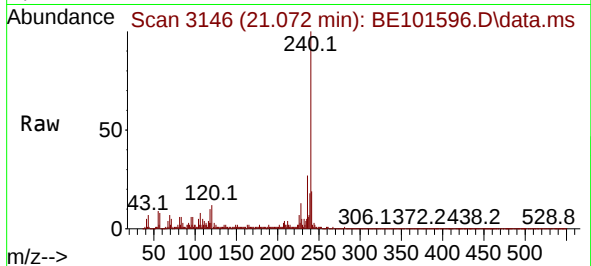




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.072 min Scan# 3147
Delta R.T. -0.005 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

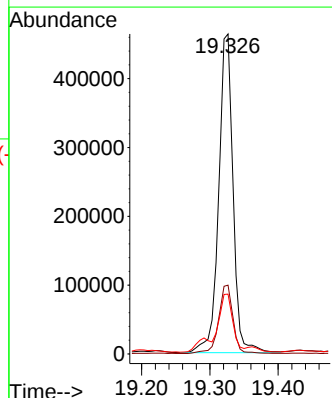
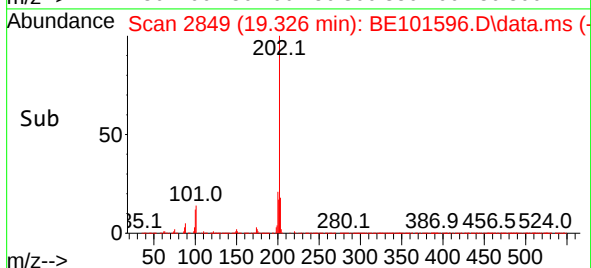
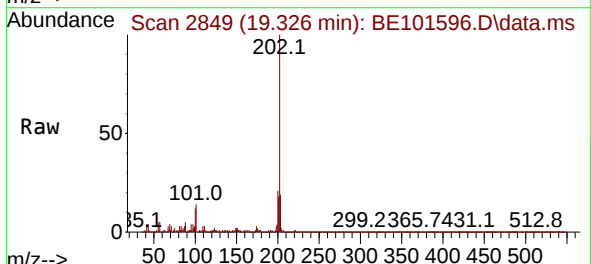
Instrument :
BNA_E
ClientSampleId :
331

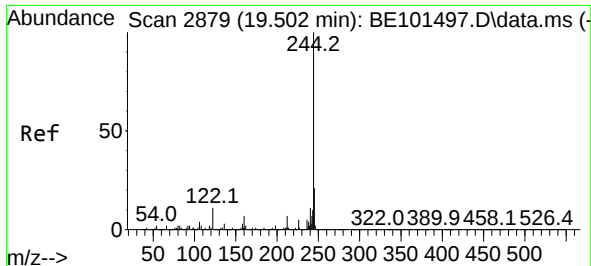
Tgt Ion:240 Resp: 375184
Ion Ratio Lower Upper
240 100
120 11.5 8.2 12.4
236 26.7 21.4 32.2



#78
Pyrene
Concen: 31.908 ng
RT: 19.326 min Scan# 2849
Delta R.T. 0.001 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

Tgt Ion:202 Resp: 681165
Ion Ratio Lower Upper
202 100
200 21.5 17.2 25.8
203 18.7 14.2 21.4

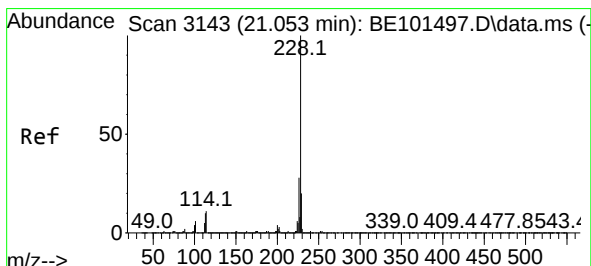
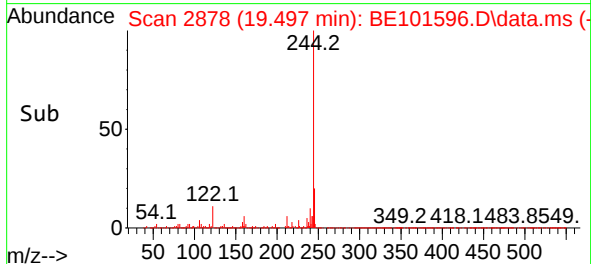
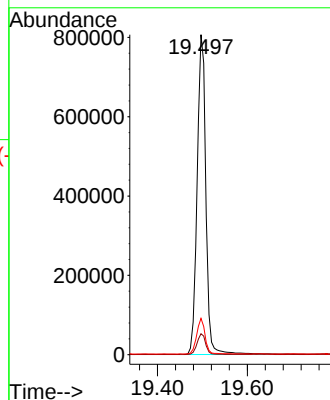
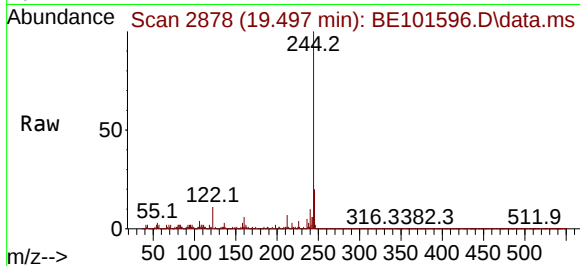




#79
 Terphenyl-d14
 Concen: 64.249 ng
 RT: 19.497 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BE101596.D
 Acq: 13 Nov 2024 15:32

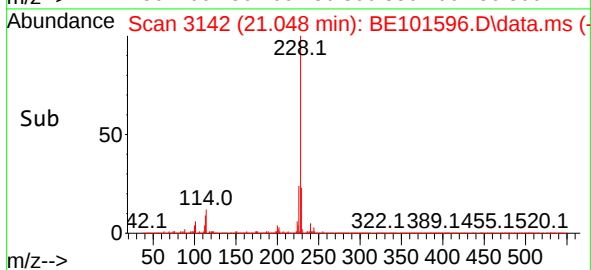
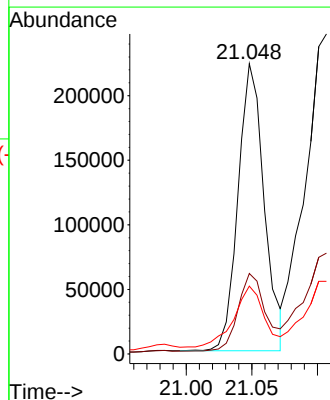
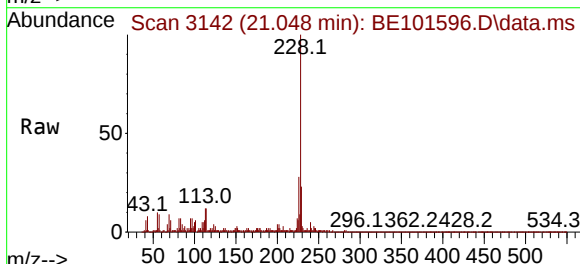
Instrument :
 BNA_E
 ClientSampleId :
 331

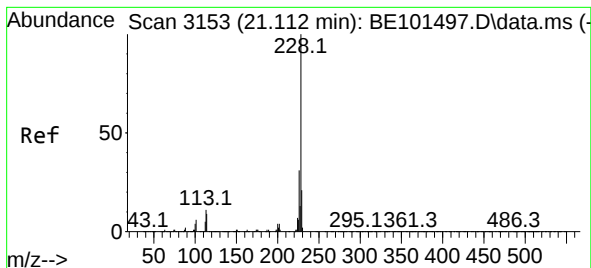
Tgt Ion:244 Resp: 1088974
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 11.4 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 13.855 ng
 RT: 21.048 min Scan# 3142
 Delta R.T. -0.005 min
 Lab File: BE101596.D
 Acq: 13 Nov 2024 15:32

Tgt Ion:228 Resp: 308723
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.4 33.6
 229 23.4 16.1 24.1





#83

Chrysene

Concen: 19.904 ng

RT: 21.107 min Scan# 31

Delta R.T. -0.005 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

Instrument :

BNA_E

ClientSampleId :

331

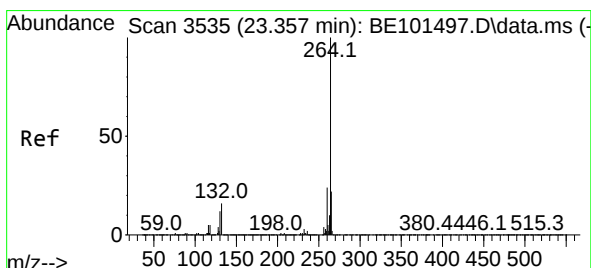
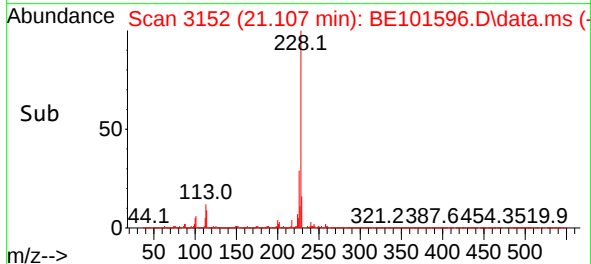
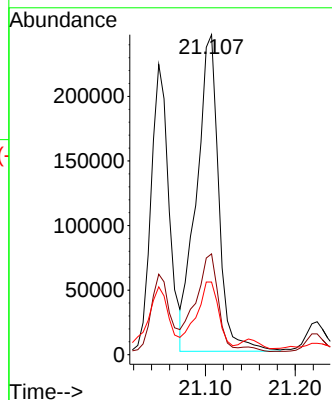
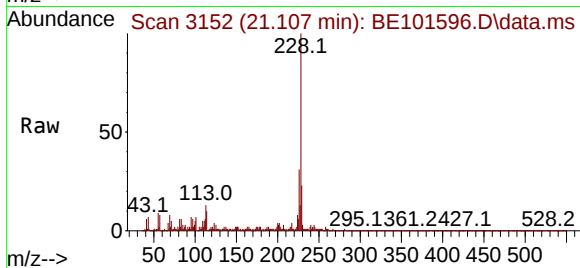
Tgt Ion:228 Resp: 421552

Ion Ratio Lower Upper

228 100

226 31.5 25.1 37.7

229 22.7 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.357 min Scan# 3535

Delta R.T. 0.001 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

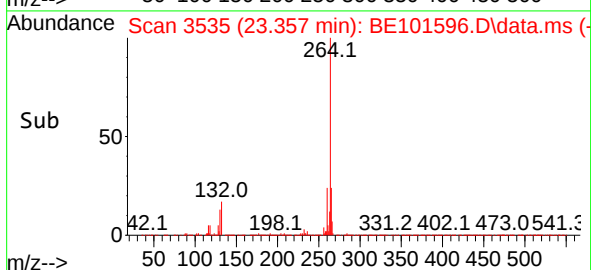
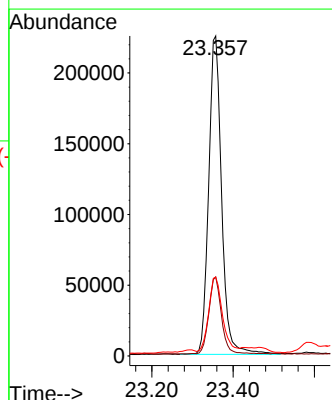
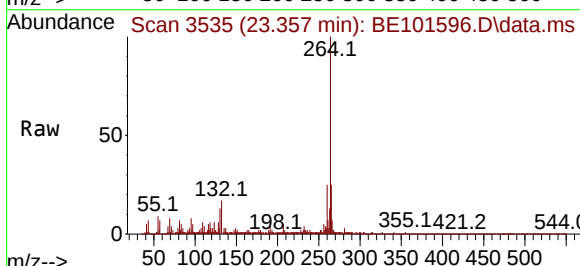
Tgt Ion:264 Resp: 495731

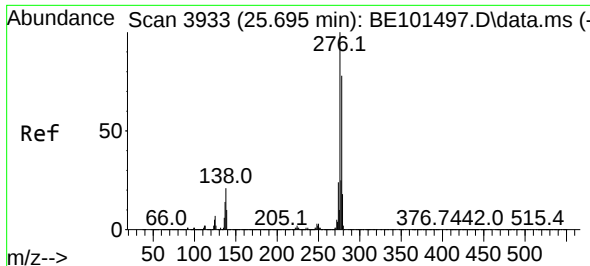
Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.2

265 24.7 17.4 26.2

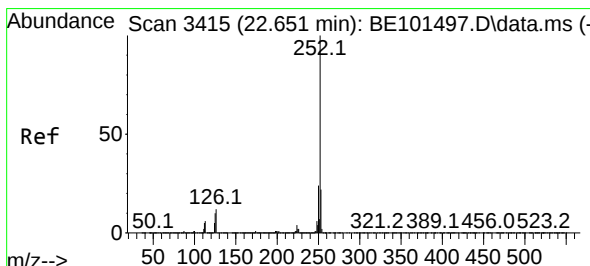
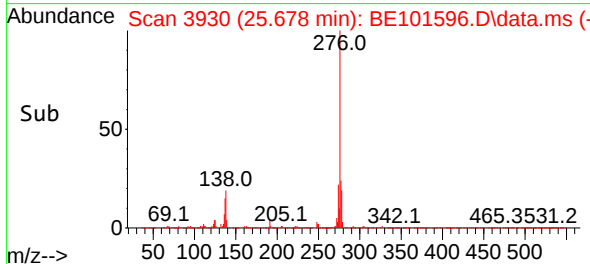
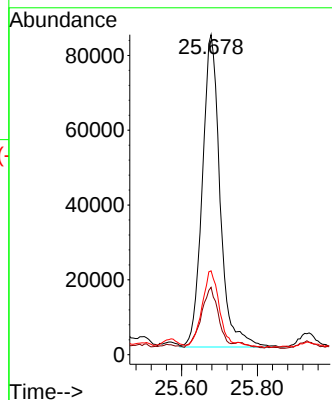
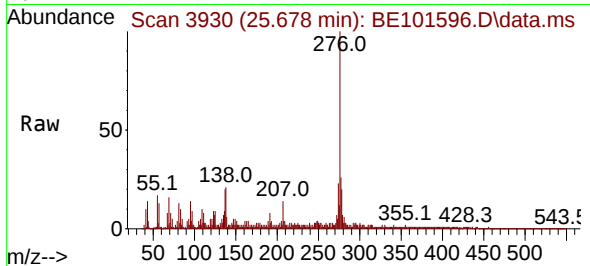




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.974 ng
 RT: 25.678 min Scan# 3933
 Delta R.T. -0.017 min
 Lab File: BE101596.D
 Acq: 13 Nov 2024 15:32

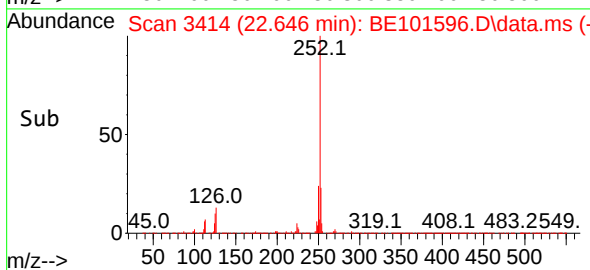
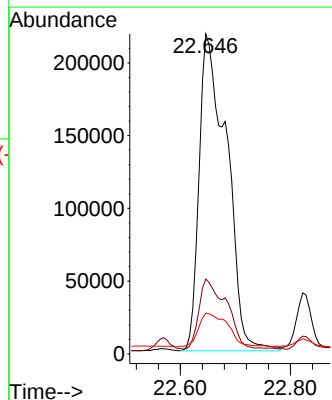
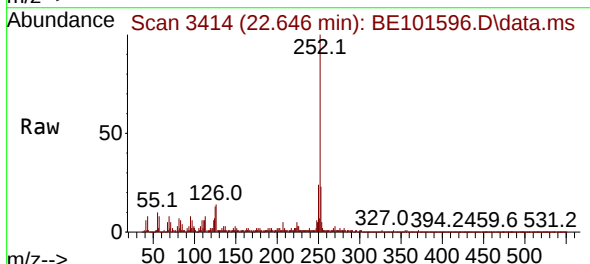
Instrument :
 BNA_E
 ClientSampleId :
 331

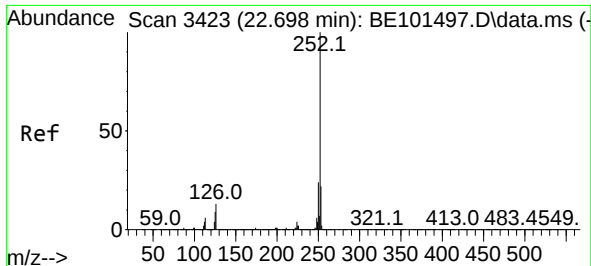
Tgt Ion:276 Resp: 271635
 Ion Ratio Lower Upper
 276 100
 138 18.2 17.0 25.6
 277 25.0 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 27.786 ng
 RT: 22.646 min Scan# 3414
 Delta R.T. -0.005 min
 Lab File: BE101596.D
 Acq: 13 Nov 2024 15:32

Tgt Ion:252 Resp: 755711
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.7 26.5
 125 12.7 7.8 11.8#

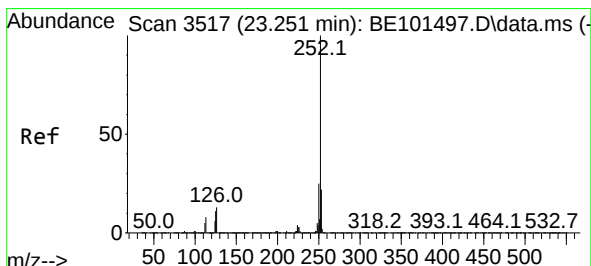
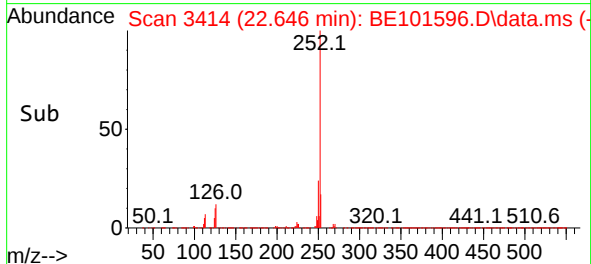
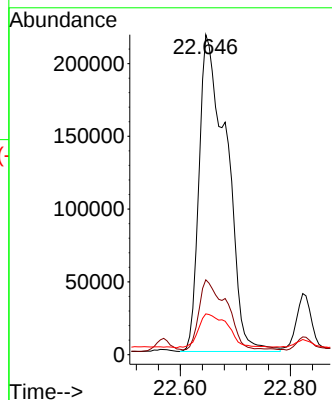
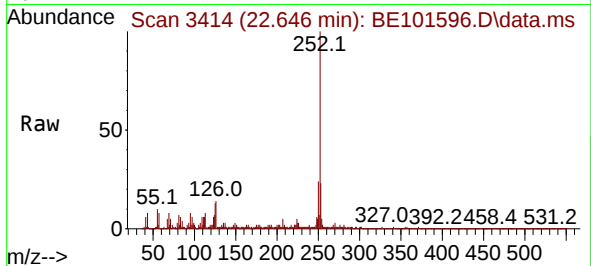




#89
Benzo(k)fluoranthene
Concen: 30.608 ng
RT: 22.646 min Scan# 3414
Delta R.T. -0.052 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

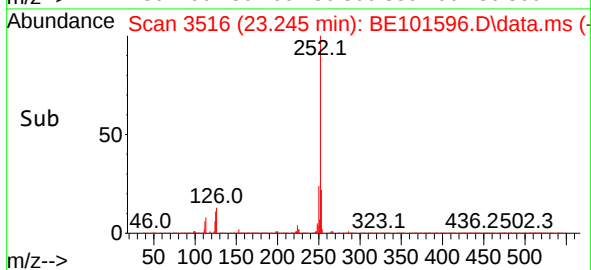
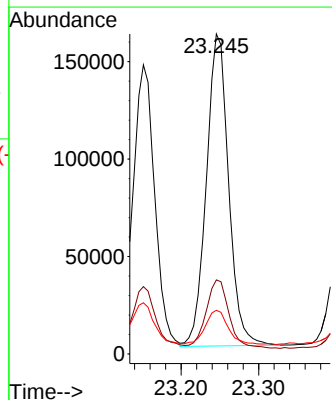
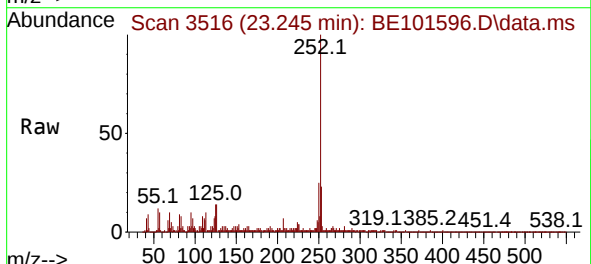
Instrument :
BNA_E
ClientSampleId :
331

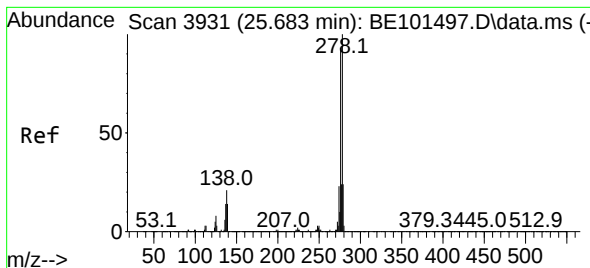
Tgt Ion:252 Resp: 755711
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 12.7 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 13.592 ng
RT: 23.245 min Scan# 3516
Delta R.T. -0.005 min
Lab File: BE101596.D
Acq: 13 Nov 2024 15:32

Tgt Ion:252 Resp: 319154
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 13.7 8.6 13.0#





#91

Dibenzo(a,h)anthracene

Concen: 2.274 ng

RT: 25.660 min Scan# 3931

Delta R.T. -0.023 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

Instrument :

BNA_E

ClientSampleId :

331

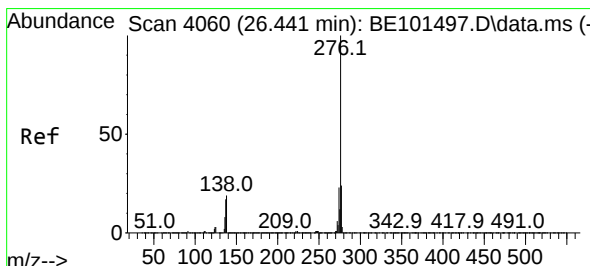
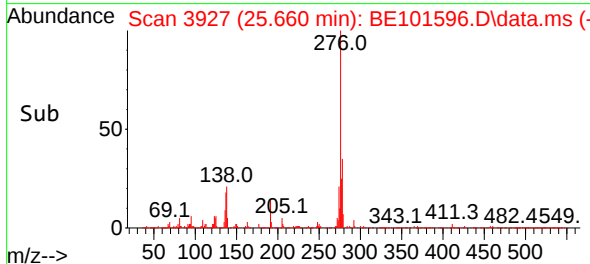
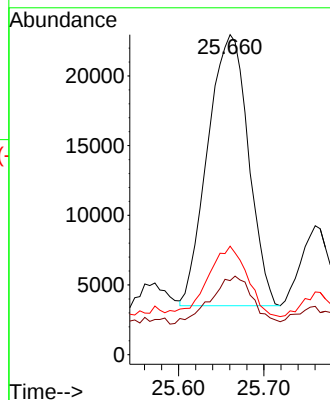
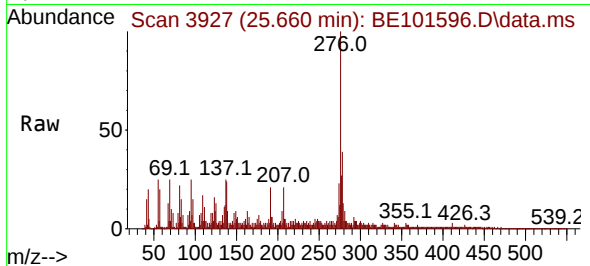
Tgt Ion:278 Resp: 64517

Ion Ratio Lower Upper

278 100

139 23.2 11.2 16.8#

279 33.9 19.1 28.7#



#92

Benzo(g,h,i)perylene

Concen: 9.334 ng

RT: 26.430 min Scan# 4058

Delta R.T. -0.011 min

Lab File: BE101596.D

Acq: 13 Nov 2024 15:32

Tgt Ion:276 Resp: 269040

Ion Ratio Lower Upper

276 100

277 26.4 19.5 29.3

138 22.6 15.3 22.9

