

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040821\
 Data File : BE101254.D
 Acq On : 8 Apr 2021 19:52
 Operator : CG/JU
 Sample : M1966-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-115RR

Quant Time: Apr 09 01:30:28 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-SIM-BE040621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 07 10:22:45 2021
 Response via : Initial Calibration

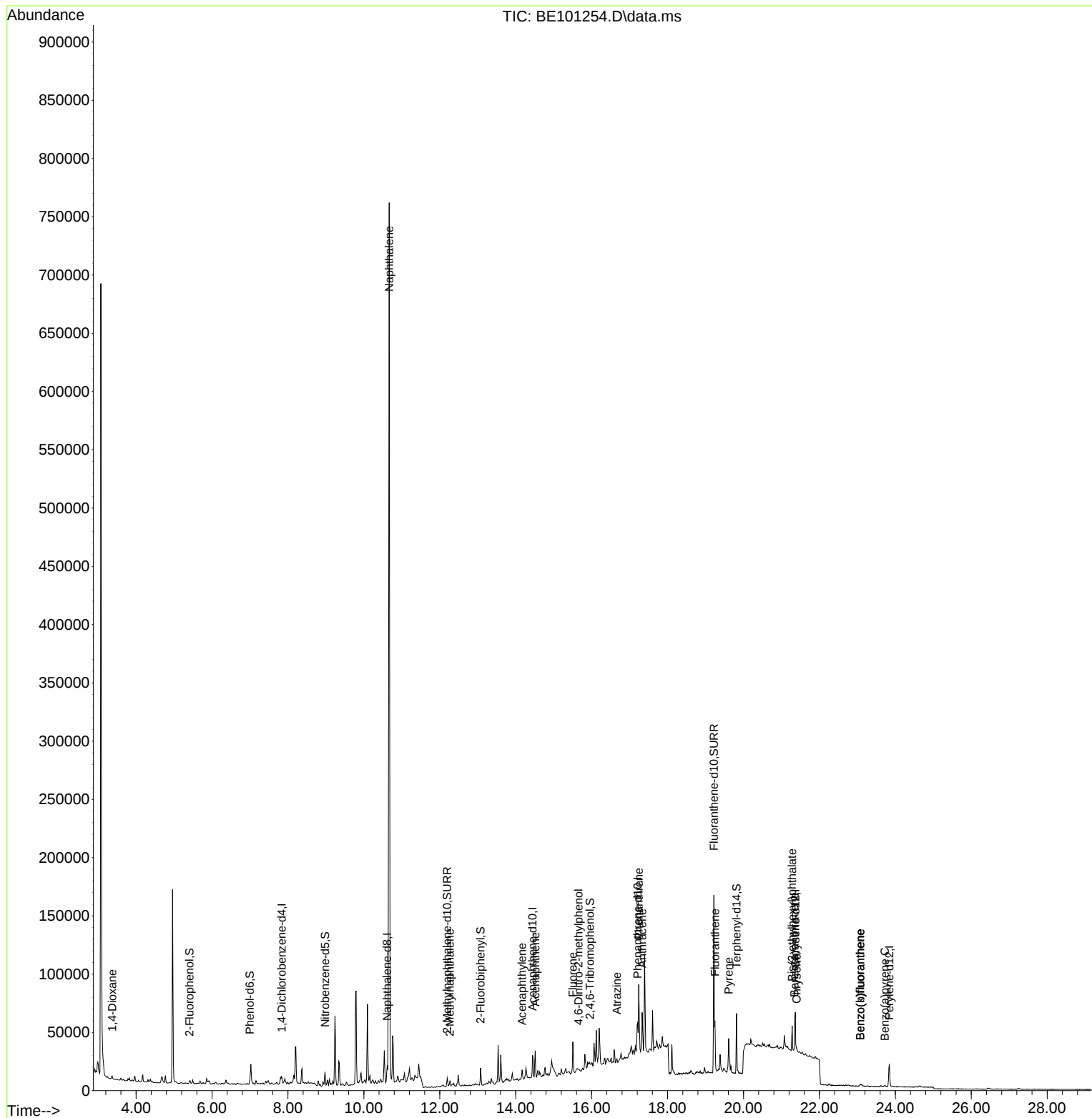
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.839	152	2684	0.40	ng	0.00
7) Naphthalene-d8	10.615	136	14210	0.40	ng	# 0.00
13) Acenaphthene-d10	14.443	164	13639	0.40	ng	0.00
19) Phenanthrene-d10	17.212	188	38590	0.40	ng	# 0.00
29) Chrysene-d12	21.366	240	36484	0.40	ng	# 0.01
36) Perylene-d12	23.841	264	28303	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.409	112	2193	0.35	ng	-0.01
5) Phenol-d6	6.998	99	1455	0.15	ng	0.00
8) Nitrobenzene-d5	8.978	82	4722	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.195	152	8551	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	1045	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.074	172	12891	0.26	ng	0.00
27) Fluoranthene-d10	19.220	212	193295	0.29	ng	0.00
31) Terphenyl-d14	19.817	244	45340	0.46	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.371	88	717	0.17	ng	# 1
9) Naphthalene	10.666	128	1177087	7.62	ng	100
12) 2-Methylnaphthalene	12.267	142	3333	0.12	ng	# 88
16) Acenaphthylene	14.169	152	7003	0.13	ng	# 86
17) Acenaphthene	14.515	154	13232	0.33	ng	97
18) Fluorene	15.503	166	19597	0.37	ng	# 96
20) 4,6-Dinitro-2-methylph...	15.654	198	327	0.14	ng	# 1
23) Atrazine	16.667	200	619	0.05	ng	# 1
25) Phenanthrene	17.242	178	60462	0.53	ng	# 96
26) Anthracene	17.333	178	37092	0.38	ng	# 82
28) Fluoranthene	19.248	202	38441	0.26	ng	# 96
30) Pyrene	19.610	202	23348	0.18	ng	# 94
32) Benzo(a)anthracene	21.341	228	4419	0.04	ng	# 57
33) Chrysene	21.402	228	3618	0.03	ng	# 48
34) Bis(2-ethylhexyl)phtha...	21.281	149	22838	0.31	ng	# 98
37) Benzo(b)fluoranthene	23.078	252	2753	0.03	ng	# 5
38) Benzo(k)fluoranthene	23.078	252	2753	0.03	ng	# 3
39) Benzo(a)pyrene	23.723	252	1961	0.02	ng	# 1

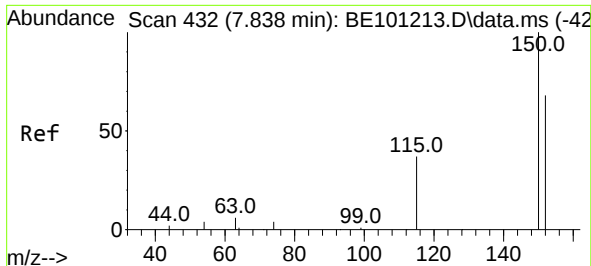
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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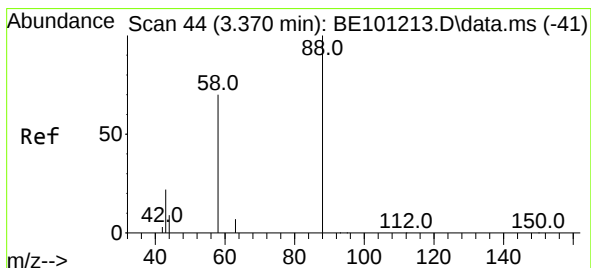
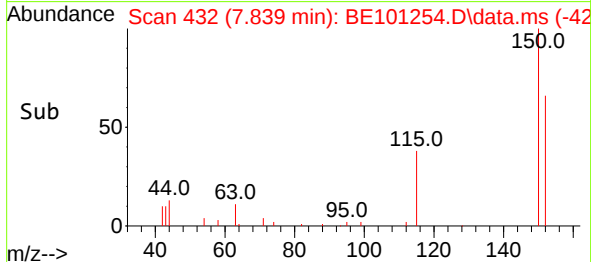
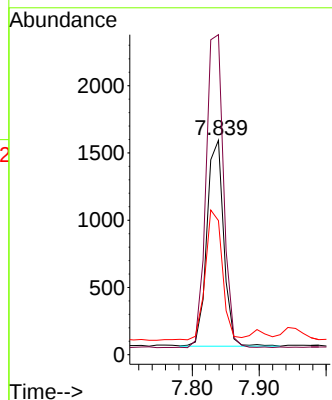
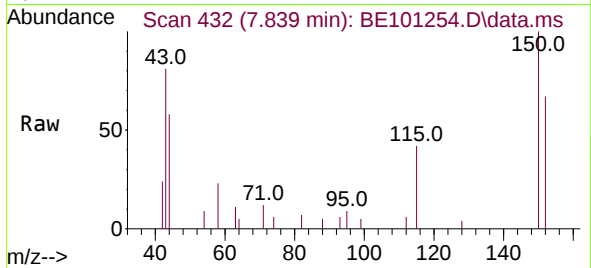




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.839 min Scan# 432
 Delta R.T. 0.009 min
 Lab File: BE101254.D
 Acq: 8 Apr 2021 19:52

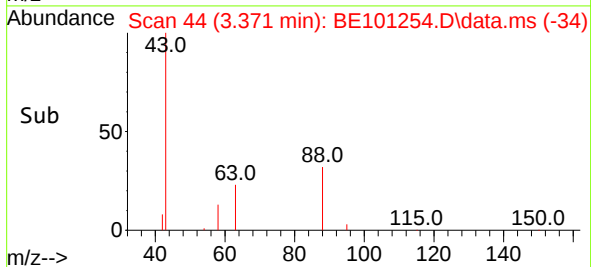
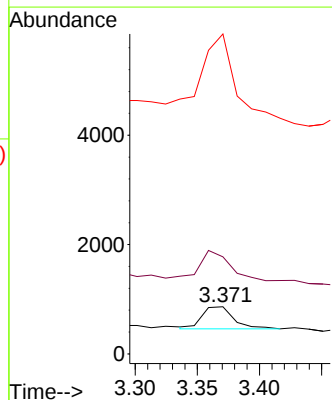
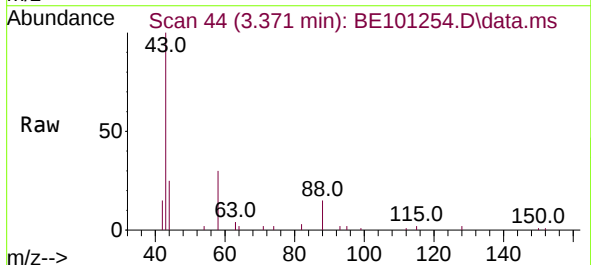
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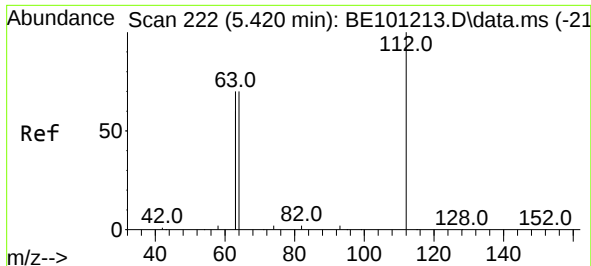
Tgt Ion:152 Resp: 2684
 Ion Ratio Lower Upper
 152 100
 150 149.2 116.9 175.3
 115 62.5 44.5 66.7



#2
 1,4-Dioxane
 Concen: 0.17 ng
 RT: 3.371 min Scan# 44
 Delta R.T. 0.010 min
 Lab File: BE101254.D
 Acq: 8 Apr 2021 19:52

Tgt Ion: 88 Resp: 717
 Ion Ratio Lower Upper
 88 100
 58 132.4 73.6 110.4#
 43 407.4 27.6 41.4#

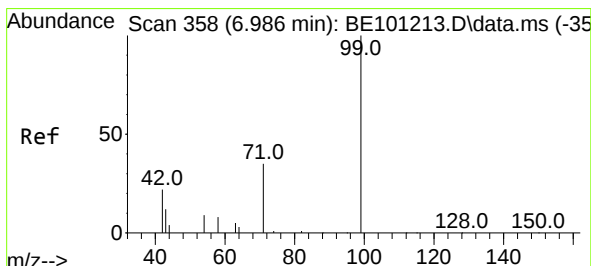
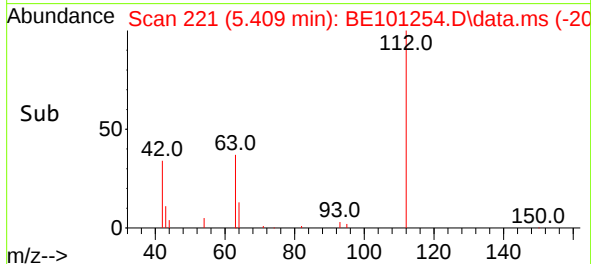
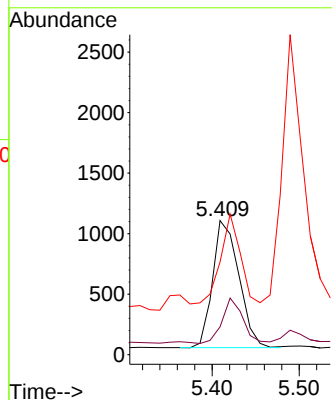
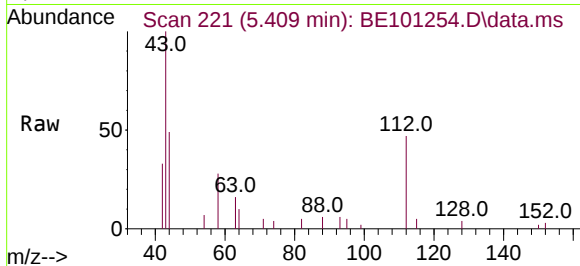




#4
2-Fluorophenol
Concen: 0.35 ng
RT: 5.409 min Scan# 221
Delta R.T. -0.013 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

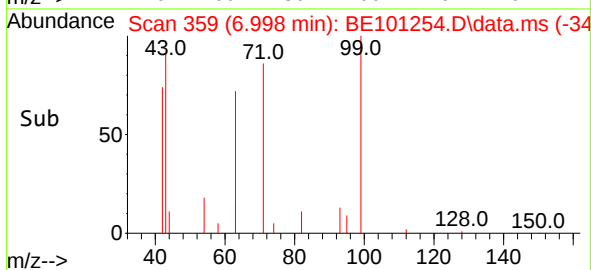
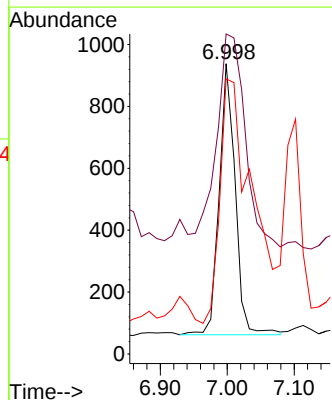
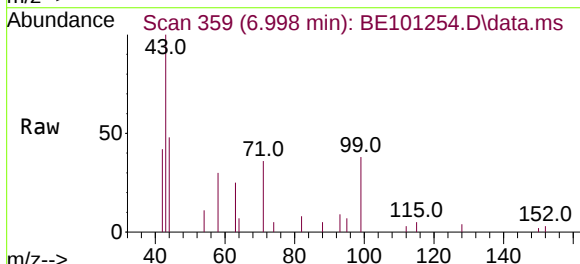
Instrument :
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ClientSampleId :
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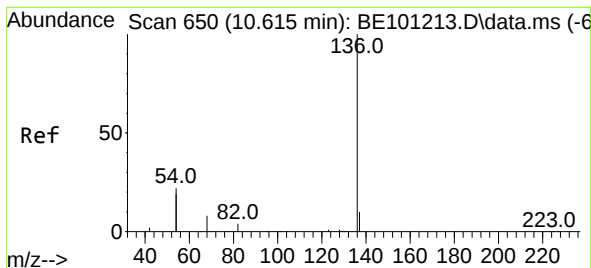
Tgt Ion:112 Resp: 2193
Ion Ratio Lower Upper
112 100
64 28.4 62.3 93.5#
63 63.2 117.3 175.9#



#5
Phenol-d6
Concen: 0.15 ng
RT: 6.998 min Scan# 359
Delta R.T. 0.010 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

Tgt Ion: 99 Resp: 1455
Ion Ratio Lower Upper
99 100
42 140.4 18.5 27.7#
71 175.5 26.5 39.7#

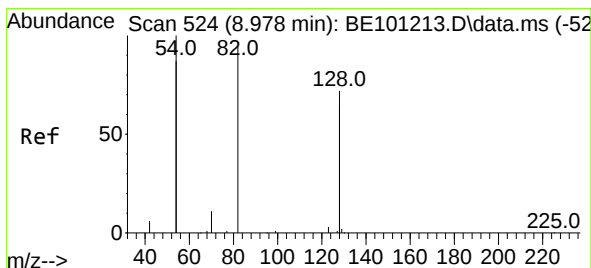
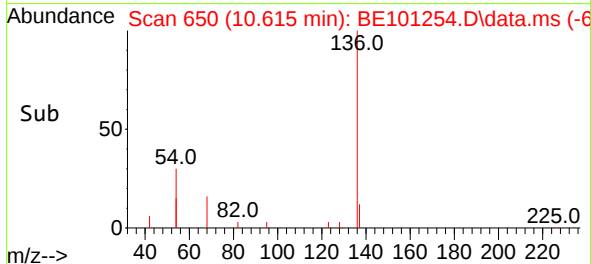
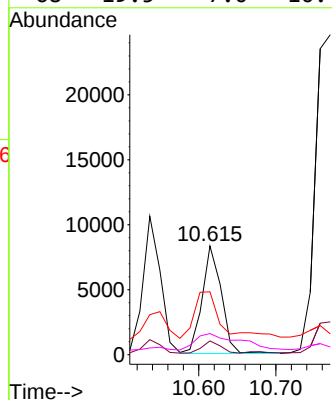
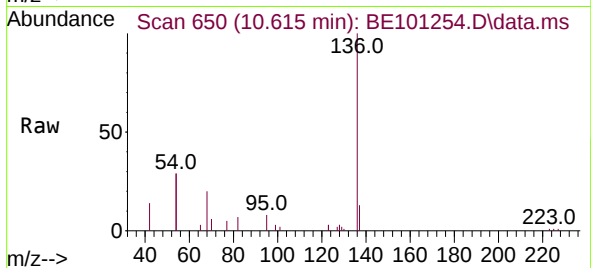




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.615 min Scan# 650
Delta R.T. 0.000 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

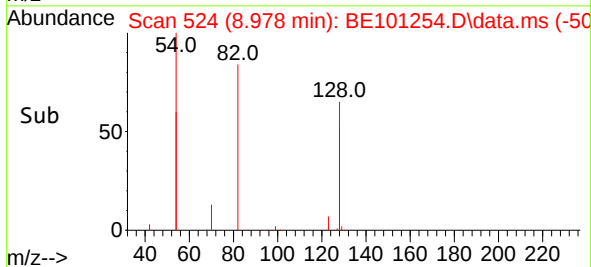
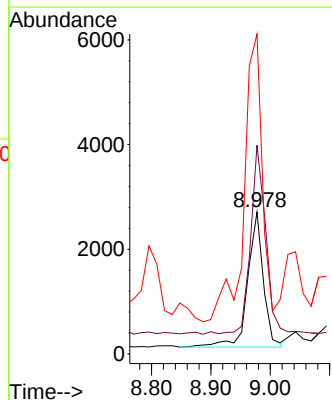
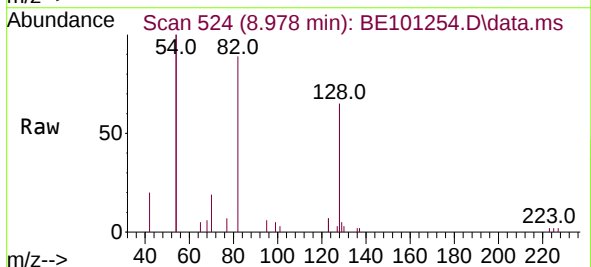
Instrument :
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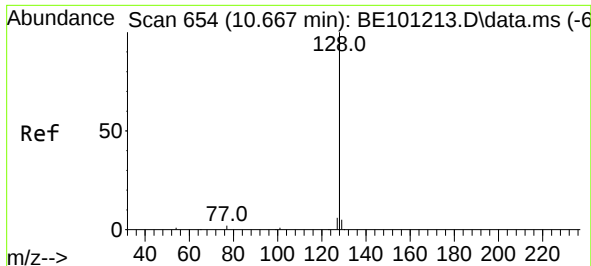
Tgt Ion:	136	Resp:	14210
Ion Ratio	Lower	Upper	
136	100		
137	12.6	8.6	13.0
54	57.9	34.7	52.1#
68	19.5	7.0	10.4#



#8
Nitrobenzene-d5
Concen: 0.45 ng
RT: 8.978 min Scan# 524
Delta R.T. 0.000 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

Tgt Ion:	82	Resp:	4722
Ion Ratio	Lower	Upper	
82	100		
128	147.1	118.7	178.1
54	225.5	164.4	246.6

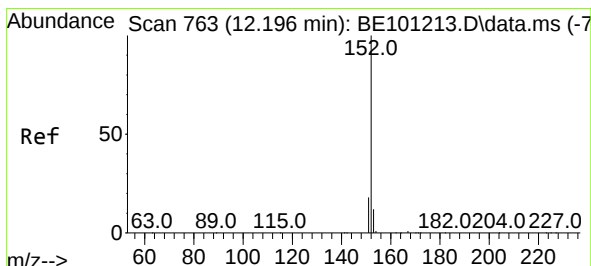
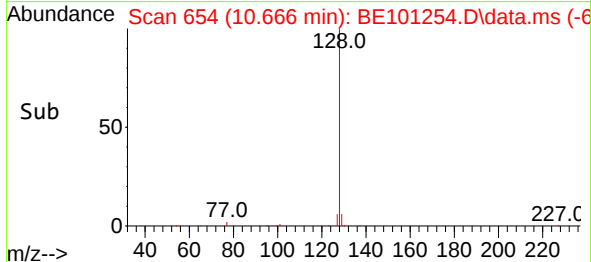
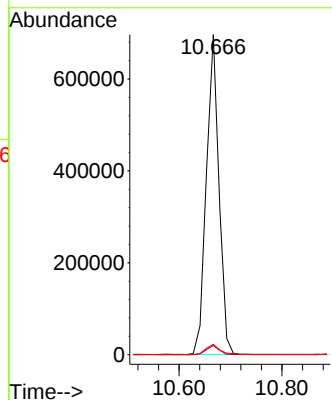
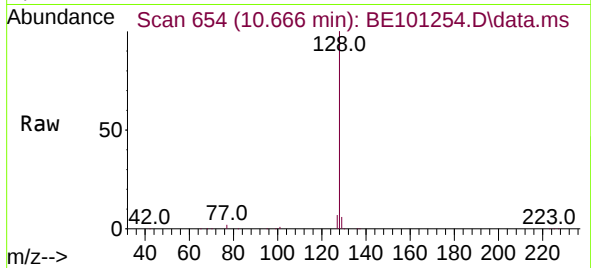




#9
Naphthalene
Concen: 7.62 ng
RT: 10.666 min Scan# 654
Delta R.T. 0.000 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

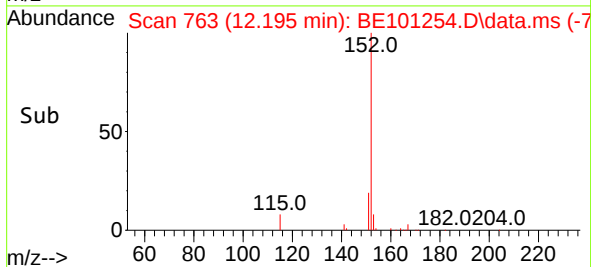
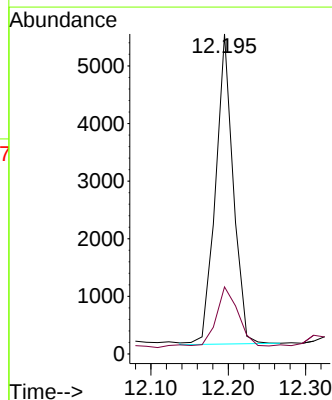
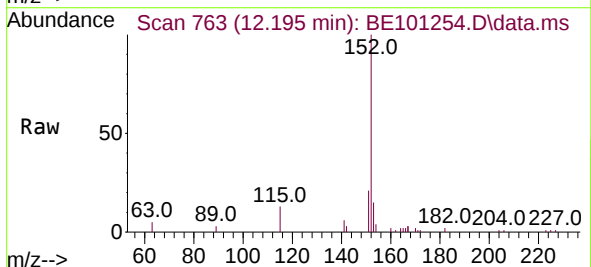
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ClientSampleId :
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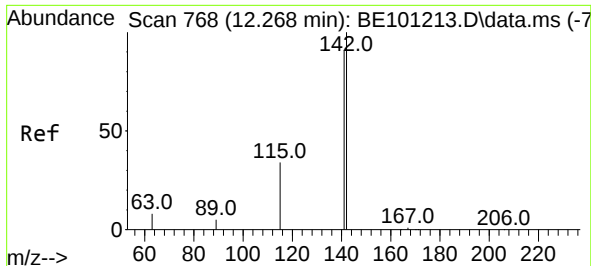
Tgt Ion:128 Resp: 1177087
Ion Ratio Lower Upper
128 100
129 2.9 2.2 3.4
127 3.3 2.6 3.8



#11
2-Methylnaphthalene-d10
Concen: 0.26 ng
RT: 12.195 min Scan# 763
Delta R.T. -0.001 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

Tgt Ion:152 Resp: 8551
Ion Ratio Lower Upper
152 100
151 25.9 16.5 24.7#

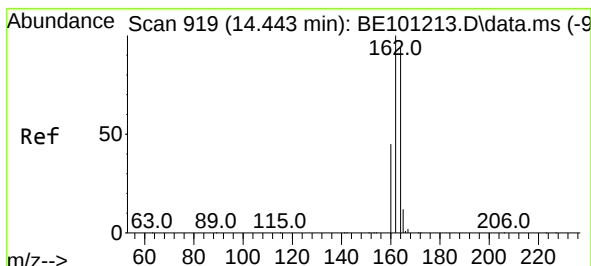
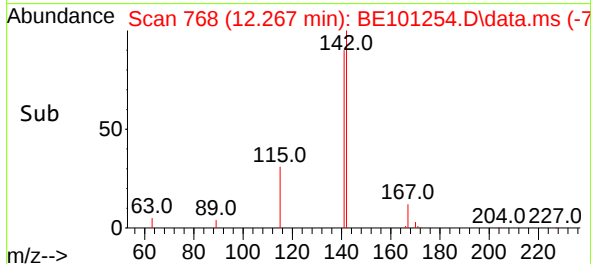
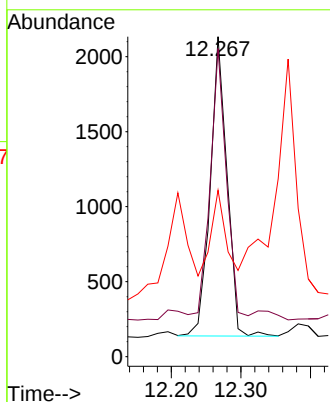
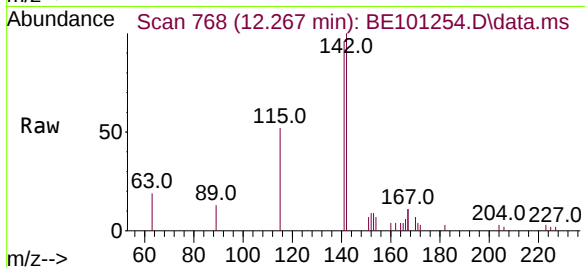




#12
2-Methylnaphthalene
Concen: 0.12 ng
RT: 12.267 min Scan# 768
Delta R.T. -0.001 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

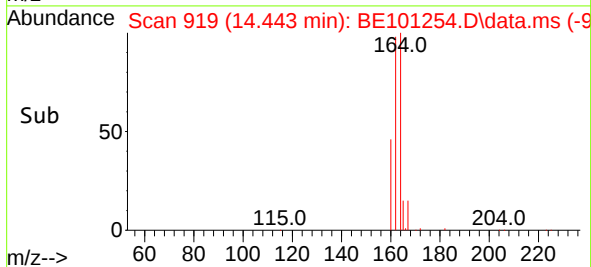
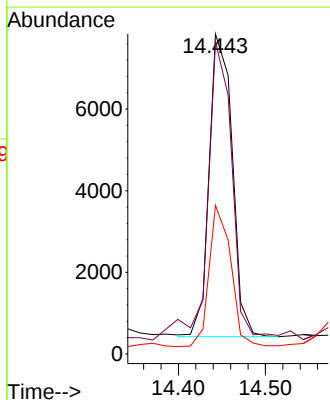
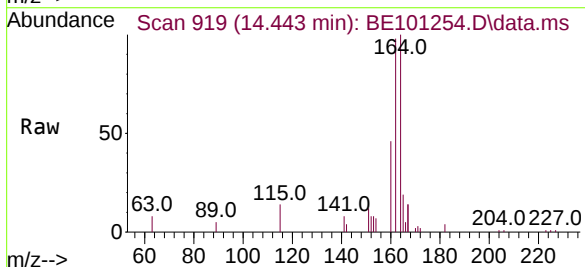
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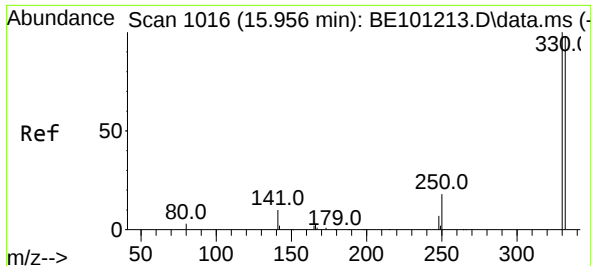
Tgt Ion:142 Resp: 3333
Ion Ratio Lower Upper
142 100
141 96.3 73.0 109.6
115 52.0 27.8 41.8#



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.443 min Scan# 919
Delta R.T. -0.001 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

Tgt Ion:164 Resp: 13639
Ion Ratio Lower Upper
164 100
162 97.6 85.3 127.9
160 46.4 39.1 58.7

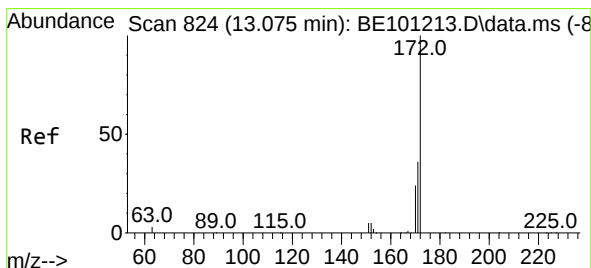
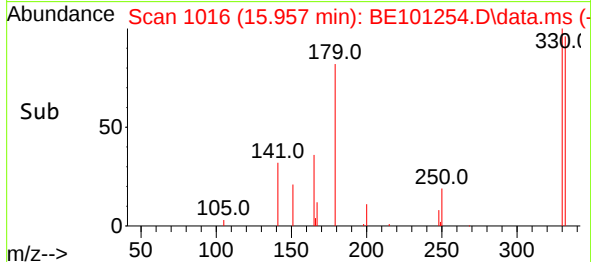
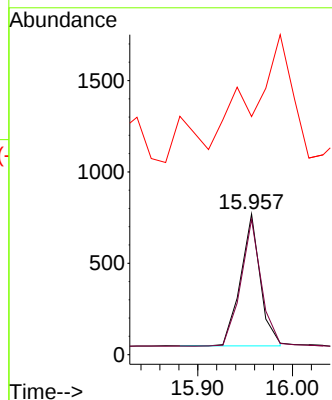
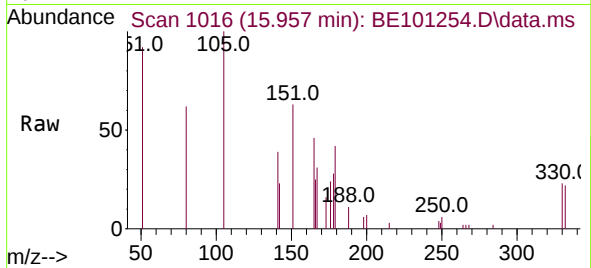




#14
2,4,6-Tribromophenol
Concen: 0.29 ng
RT: 15.957 min Scan# 1016
Delta R.T. 0.002 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

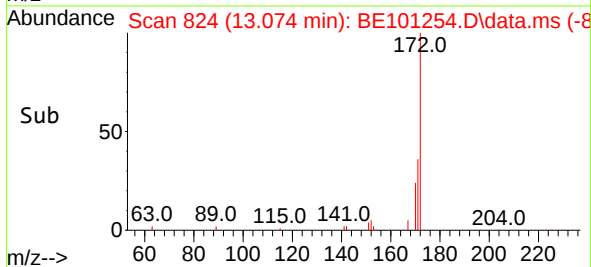
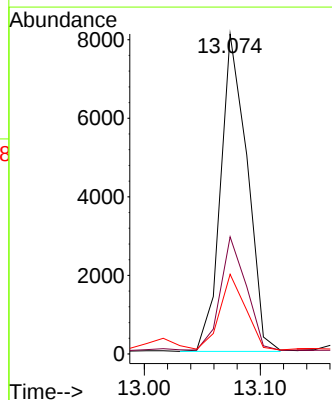
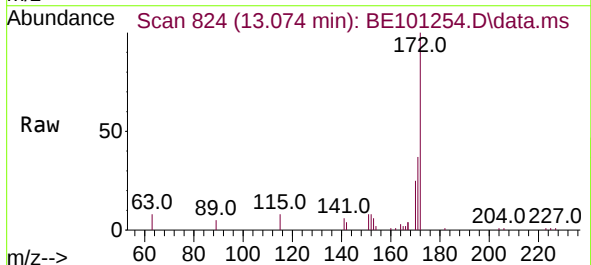
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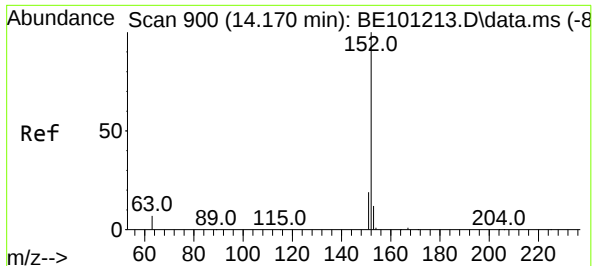
Tgt Ion: 330 Resp: 1045
Ion Ratio Lower Upper
330 100
332 99.4 77.8 116.6
141 0.0 30.4 45.6#



#15
2-Fluorobiphenyl
Concen: 0.26 ng
RT: 13.074 min Scan# 824
Delta R.T. -0.001 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

Tgt Ion: 172 Resp: 12891
Ion Ratio Lower Upper
172 100
171 36.6 28.7 43.1
170 24.9 19.3 28.9





#16

Acenaphthylene

Concen: 0.13 ng

RT: 14.169 min Scan# 900

Delta R.T. -0.001 min

Lab File: BE101254.D

Acq: 8 Apr 2021 19:52

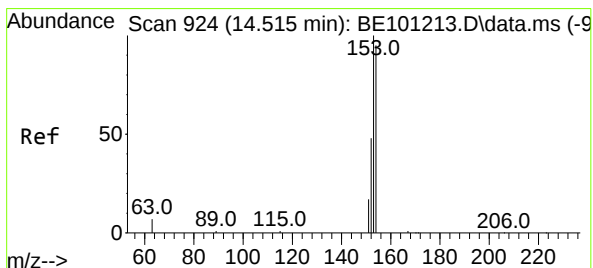
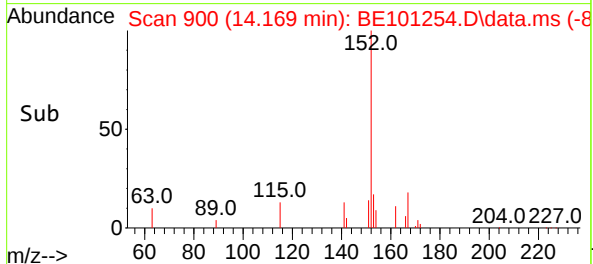
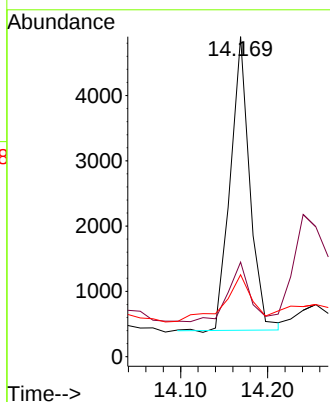
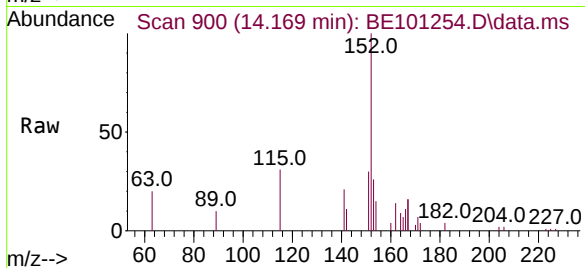
Tgt Ion:	152	Resp:	7003
Ion Ratio	Lower	Upper	
152	100		
151	21.7	15.4	23.2
153	23.0	10.0	15.0

Instrument :

BNA_E

ClientSampleId :

MW-115RR



#17

Acenaphthene

Concen: 0.33 ng

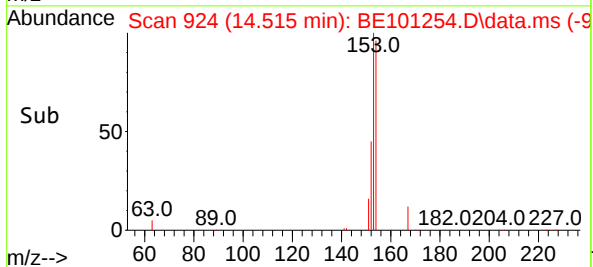
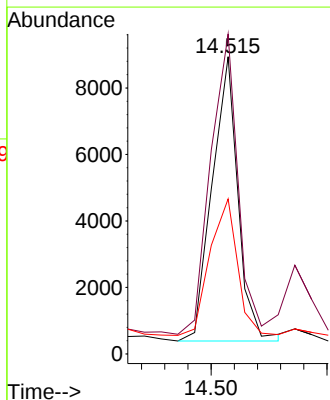
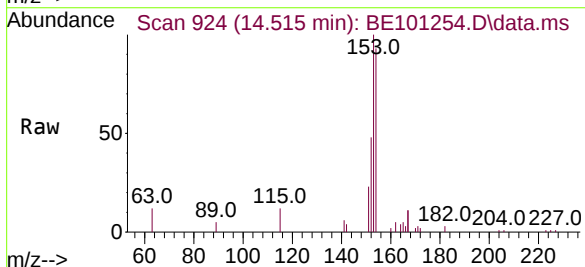
RT: 14.515 min Scan# 924

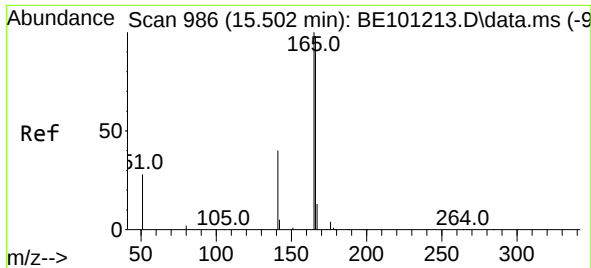
Delta R.T. -0.001 min

Lab File: BE101254.D

Acq: 8 Apr 2021 19:52

Tgt Ion:	154	Resp:	13232
Ion Ratio	Lower	Upper	
154	100		
153	108.1	84.9	127.3
152	50.8	42.7	64.1

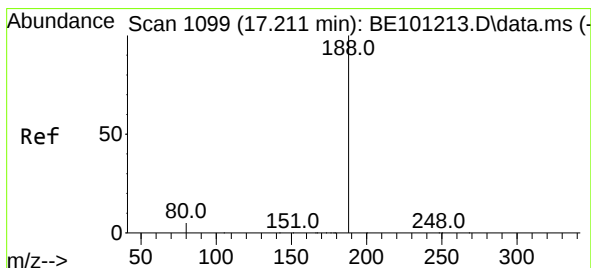
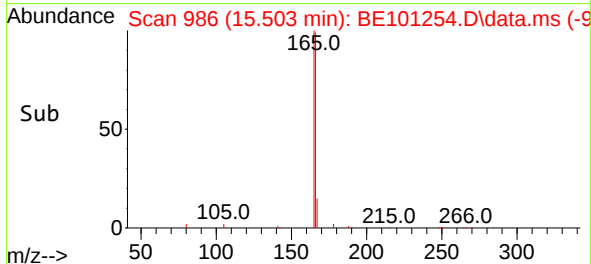
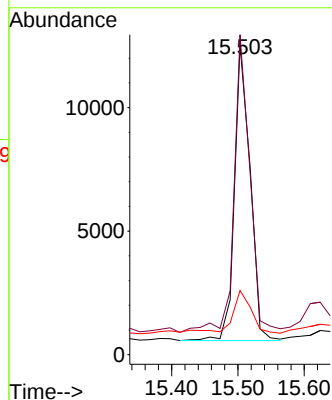
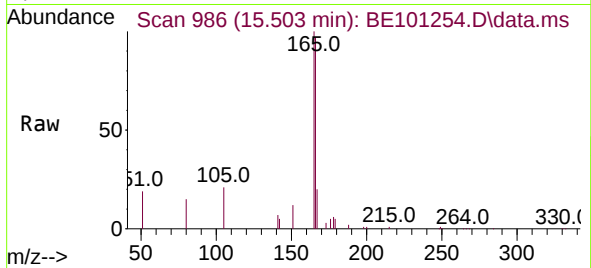




#18
Fluorene
Concen: 0.37 ng
RT: 15.503 min Scan# 986
Delta R.T. 0.002 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

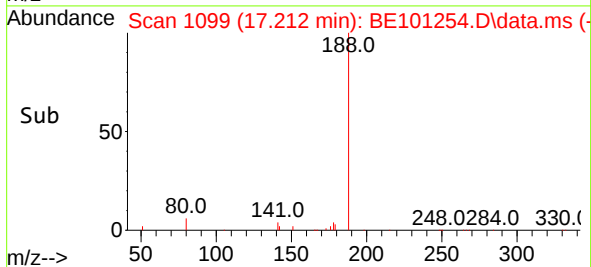
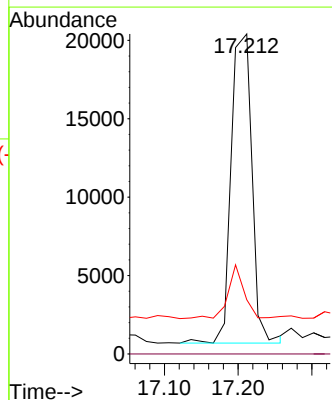
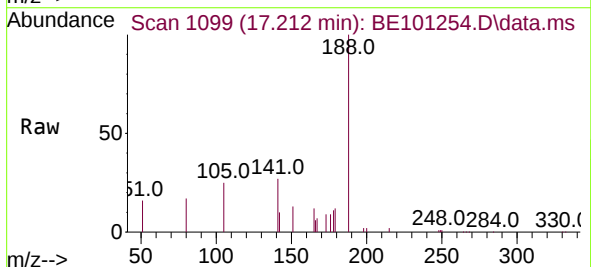
Instrument :
BNA_E
ClientSampleId :
MW-115RR

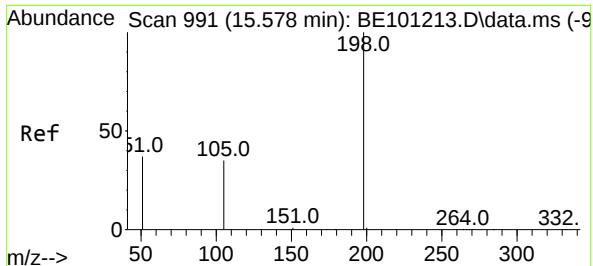
Tgt Ion:166 Resp: 19597
Ion Ratio Lower Upper
166 100
165 101.6 79.0 118.4
167 19.8 11.0 16.4#



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.212 min Scan# 1099
Delta R.T. 0.002 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

Tgt Ion:188 Resp: 38590
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.9 4.6 6.8#

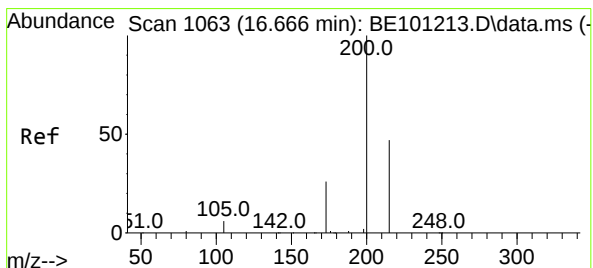
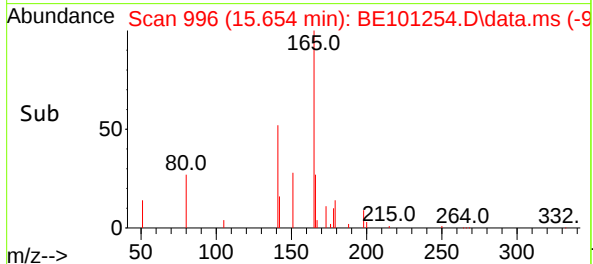
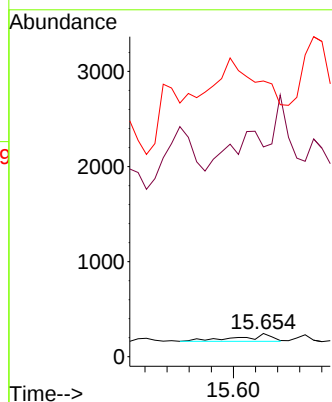
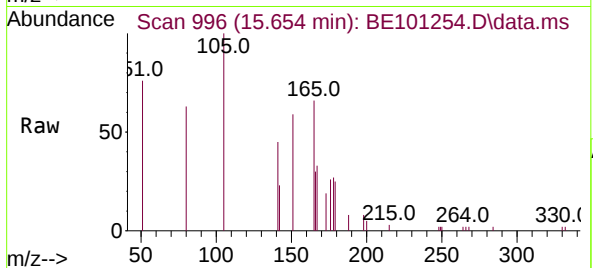




#20
4,6-Dinitro-2-methylphenol
Concen: 0.14 ng
RT: 15.654 min Scan# 996
Delta R.T. 0.077 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

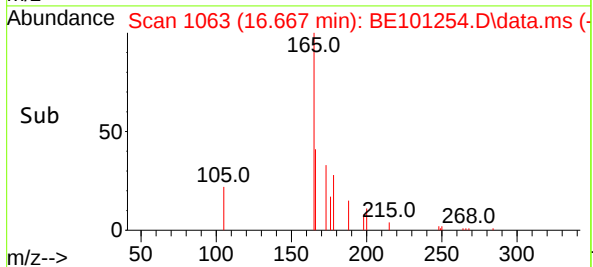
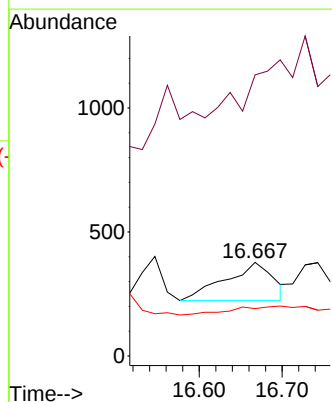
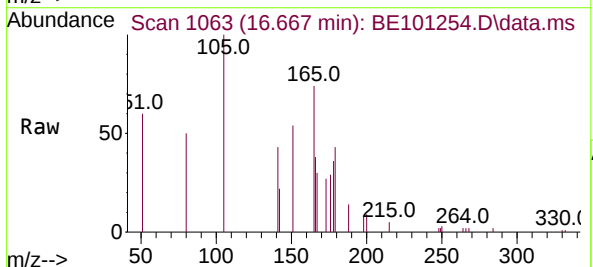
Instrument :
BNA_E
ClientSampleId :
MW-115RR

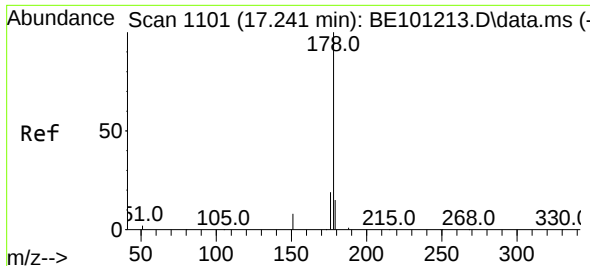
Tgt Ion:198 Resp: 327
Ion Ratio Lower Upper
198 100
51 904.5 55.9 83.9#
105 1188.5 33.6 50.4#



#23
Atrazine
Concen: 0.05 ng
RT: 16.667 min Scan# 1063
Delta R.T. 0.002 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

Tgt Ion:200 Resp: 619
Ion Ratio Lower Upper
200 100
173 300.5 21.9 32.9#
215 50.7 38.6 57.8

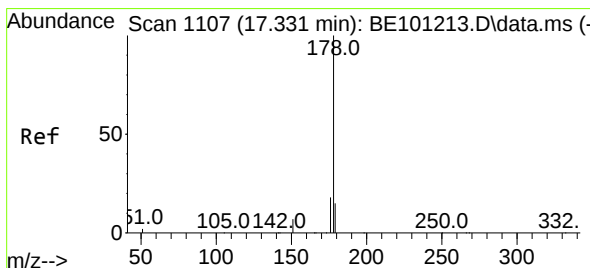
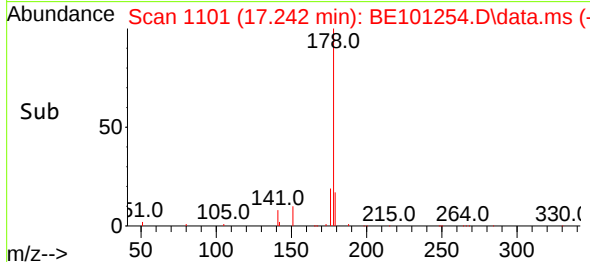
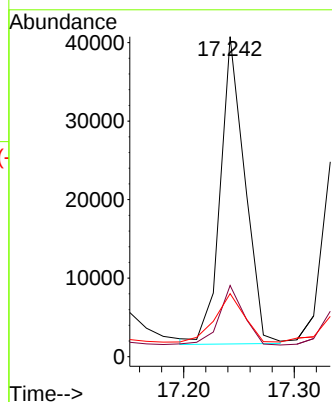
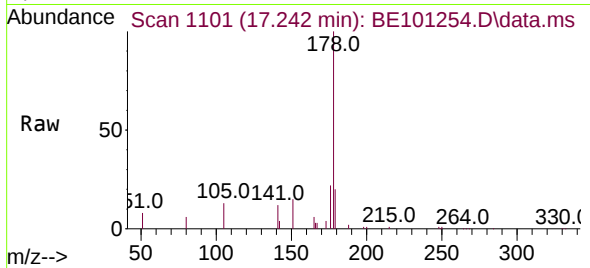




#25
Phenanthrene
Concen: 0.53 ng
RT: 17.242 min Scan# 1101
Delta R.T. 0.002 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

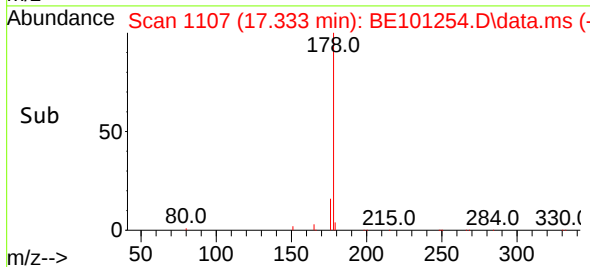
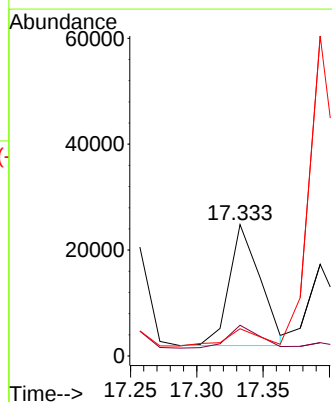
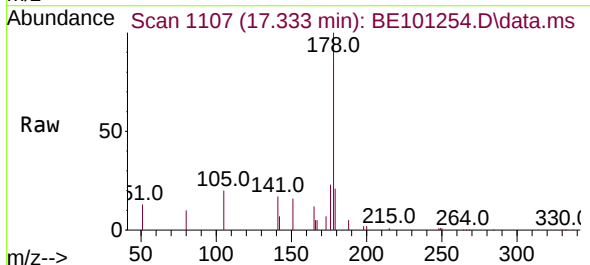
Instrument :
BNA_E
ClientSampleId :
MW-115RR

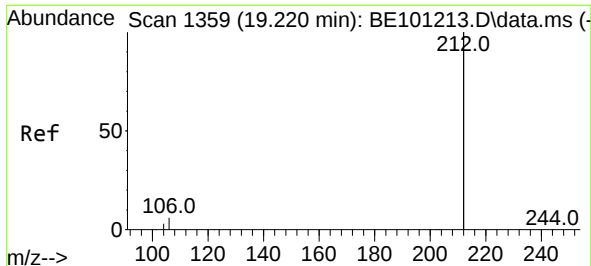
Tgt Ion:178 Resp: 60462
Ion Ratio Lower Upper
178 100
176 19.6 15.0 22.6
179 18.6 12.2 18.4#



#26
Anthracene
Concen: 0.38 ng
RT: 17.333 min Scan# 1107
Delta R.T. 0.002 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

Tgt Ion:178 Resp: 37092
Ion Ratio Lower Upper
178 100
176 19.7 14.4 21.6
179 0.0 11.8 17.8#

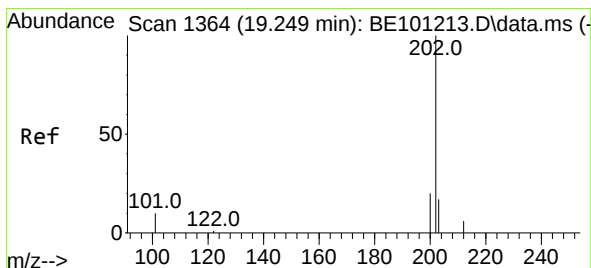
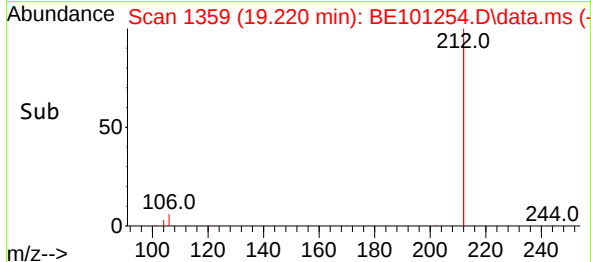
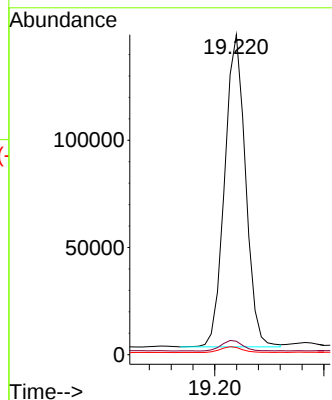
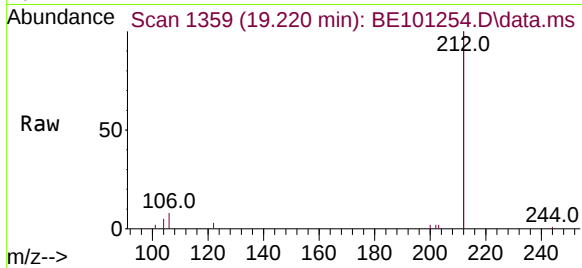




#27
Fluoranthene-d10
Concen: 0.29 ng
RT: 19.220 min Scan# 1359
Delta R.T. 0.005 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

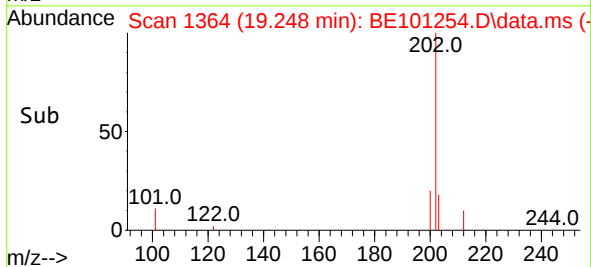
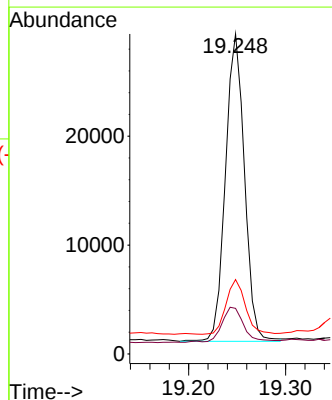
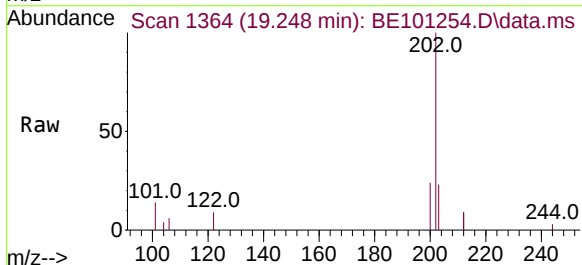
Instrument :
BNA_E
ClientSampleId :
MW-115RR

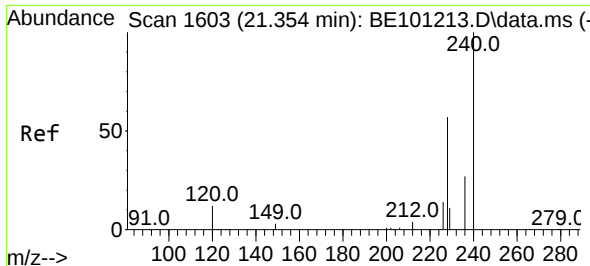
Tgt Ion:212 Resp: 193295
Ion Ratio Lower Upper
212 100
106 3.5 2.6 4.0
104 2.0 1.4 2.2



#28
Fluoranthene
Concen: 0.26 ng
RT: 19.248 min Scan# 1364
Delta R.T. 0.005 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

Tgt Ion:202 Resp: 38441
Ion Ratio Lower Upper
202 100
101 13.8 9.1 13.7#
203 18.1 13.6 20.4

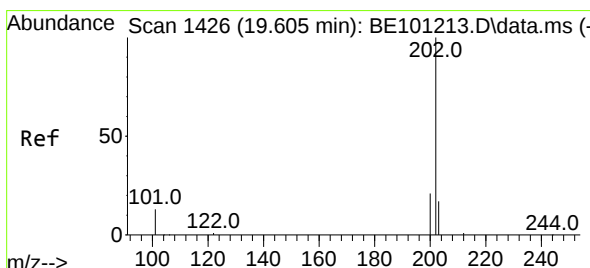
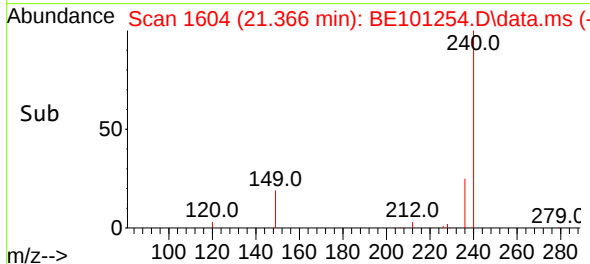
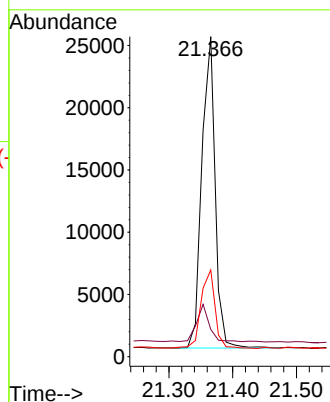
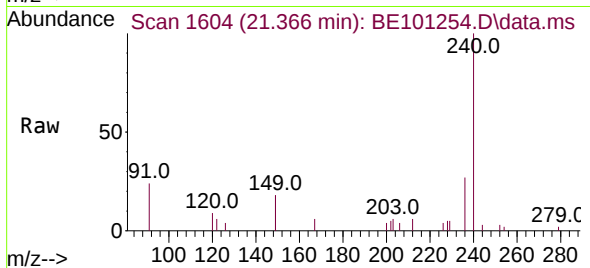




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.366 min Scan# 1604
Delta R.T. 0.011 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

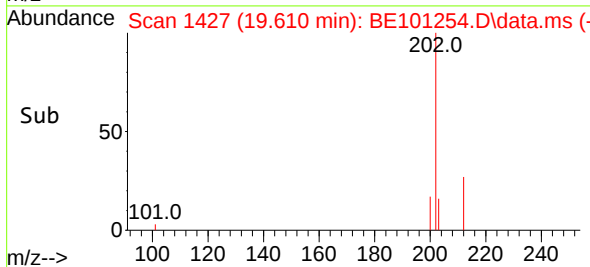
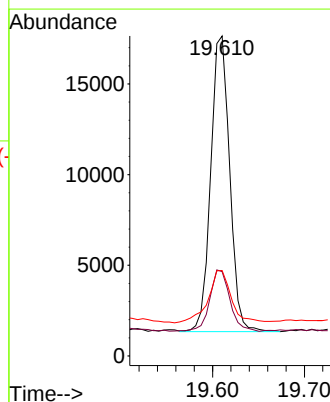
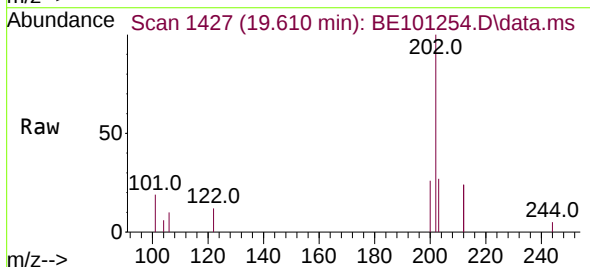
Instrument :
BNA_E
ClientSampleId :
MW-115RR

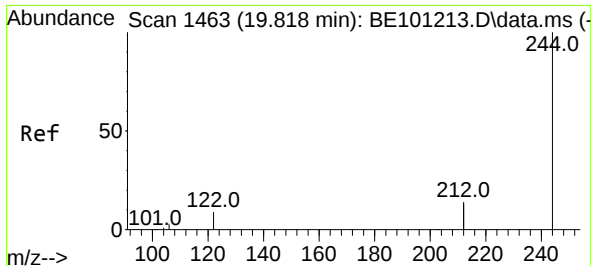
Tgt Ion:240 Resp: 36484
Ion Ratio Lower Upper
240 100
120 8.5 10.2 15.4#
236 27.1 21.7 32.5



#30
Pyrene
Concen: 0.18 ng
RT: 19.610 min Scan# 1427
Delta R.T. 0.005 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

Tgt Ion:202 Resp: 23348
Ion Ratio Lower Upper
202 100
200 22.0 16.6 24.8
203 21.7 13.8 20.8#

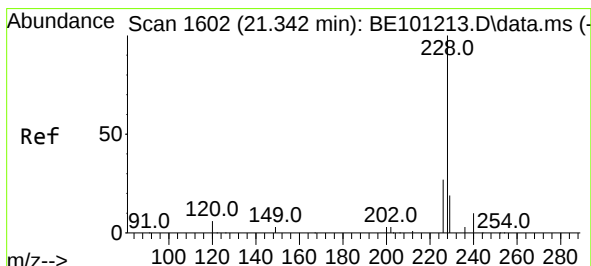
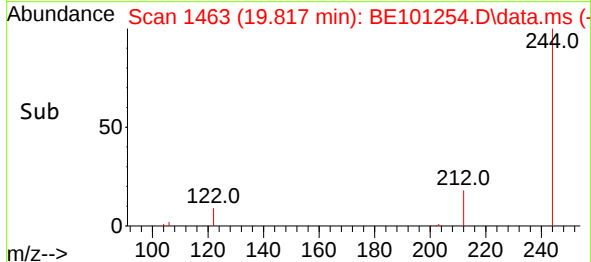
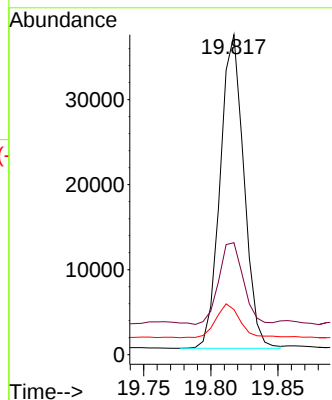
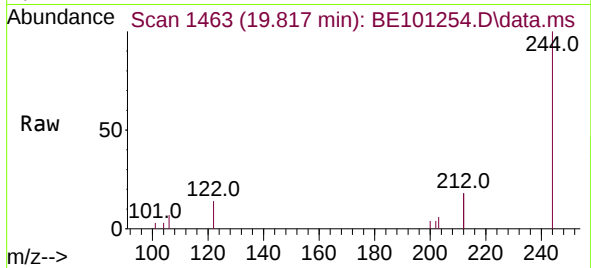




#31
 Terphenyl-d14
 Concen: 0.46 ng
 RT: 19.817 min Scan# 1463
 Delta R.T. 0.005 min
 Lab File: BE101254.D
 Acq: 8 Apr 2021 19:52

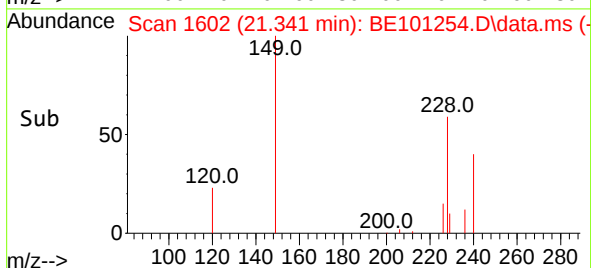
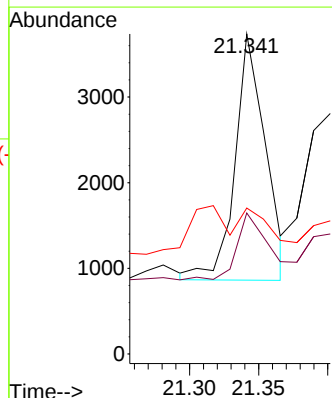
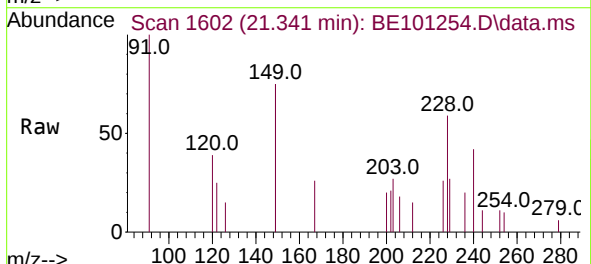
Instrument :
 BNA_E
 ClientSampleId :
 MW-115RR

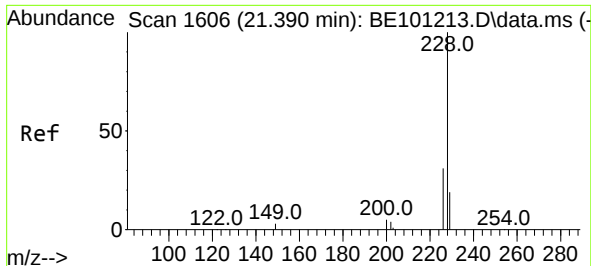
Tgt Ion:244 Resp: 45340
 Ion Ratio Lower Upper
 244 100
 212 35.0 21.9 32.9#
 122 14.1 7.3 10.9#



#32
 Benzo(a)anthracene
 Concen: 0.04 ng
 RT: 21.341 min Scan# 1602
 Delta R.T. -0.001 min
 Lab File: BE101254.D
 Acq: 8 Apr 2021 19:52

Tgt Ion:228 Resp: 4419
 Ion Ratio Lower Upper
 228 100
 226 44.1 21.4 32.2#
 229 45.6 15.7 23.5#

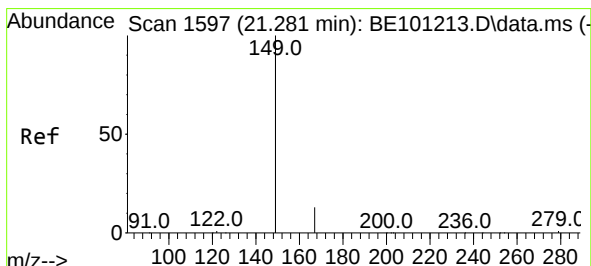
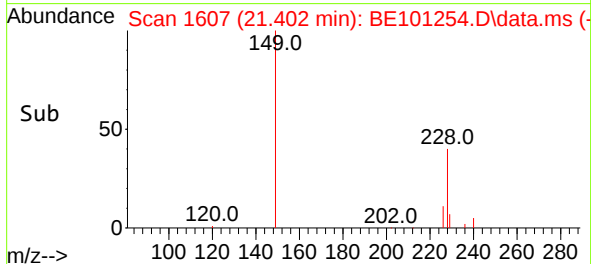
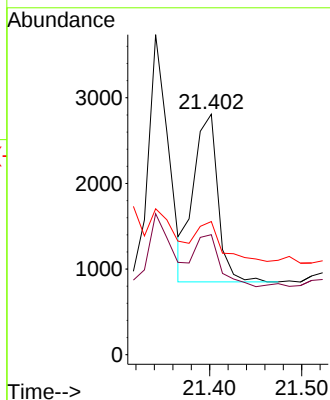
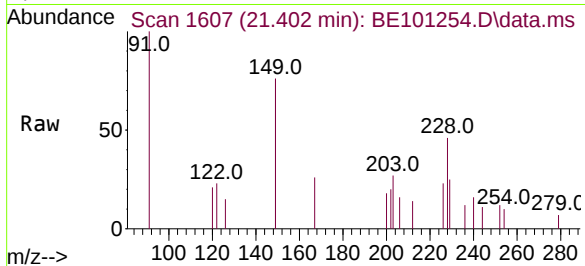




#33
Chrysene
Concen: 0.03 ng
RT: 21.402 min Scan# 1607
Delta R.T. 0.011 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

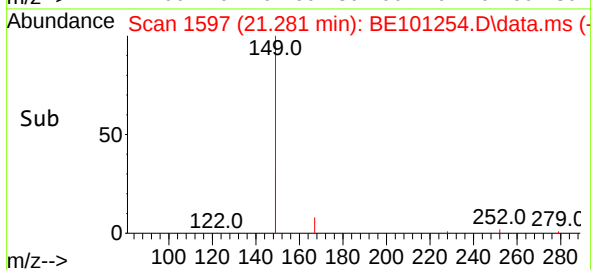
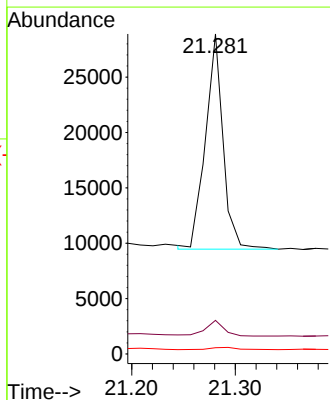
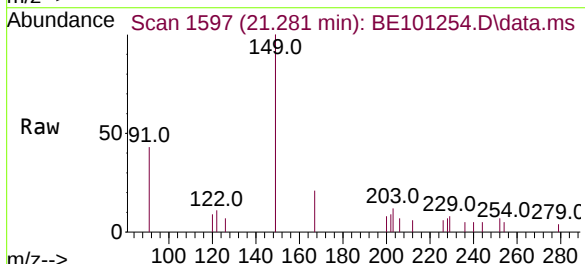
Instrument :
BNA_E
ClientSampleId :
MW-115RR

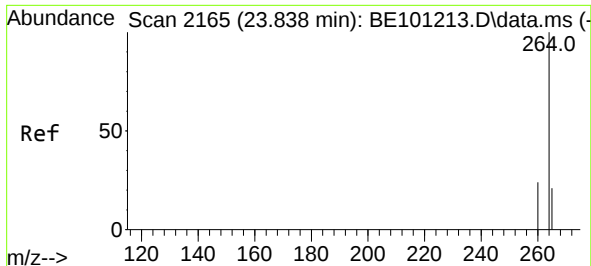
Tgt Ion:228 Resp: 3618
Ion Ratio Lower Upper
228 100
226 49.9 24.8 37.2#
229 55.4 15.2 22.8#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.31 ng
RT: 21.281 min Scan# 1597
Delta R.T. -0.001 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

Tgt Ion:149 Resp: 22838
Ion Ratio Lower Upper
149 100
167 7.6 5.5 8.3
279 1.5 1.0 1.4#

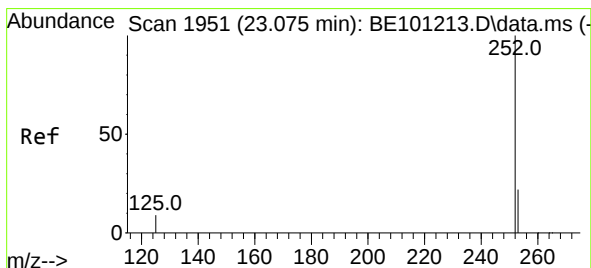
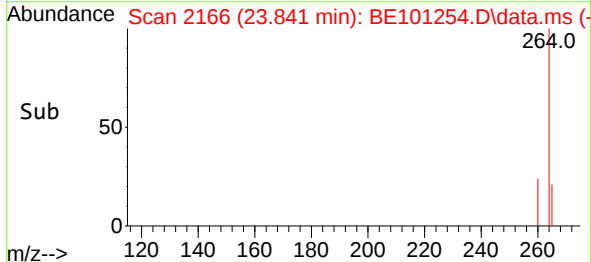
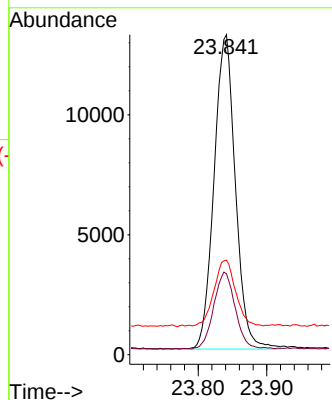
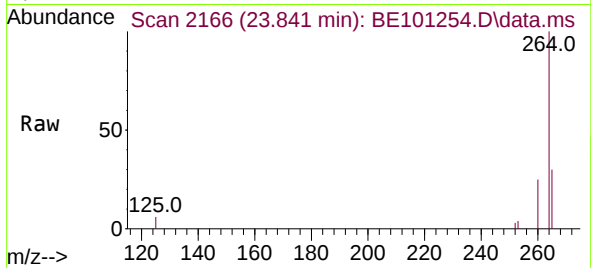




#36
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.841 min Scan# 2166
 Delta R.T. 0.006 min
 Lab File: BE101254.D
 Acq: 8 Apr 2021 19:52

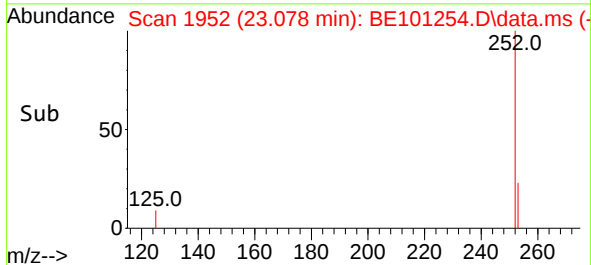
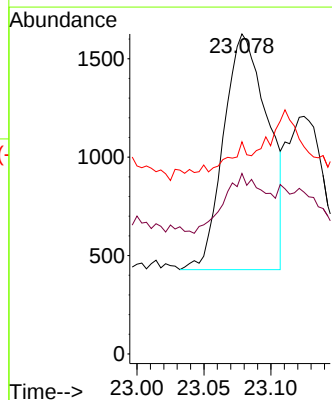
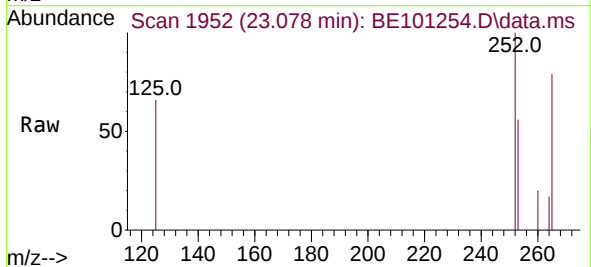
Instrument :
 BNA_E
 ClientSampleId :
 MW-115RR

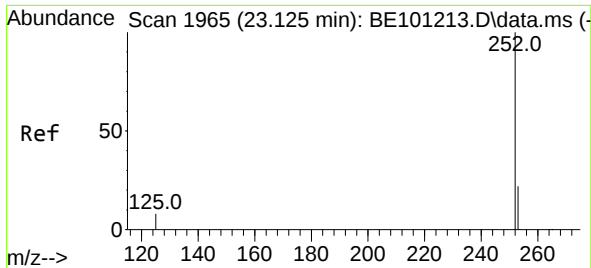
Tgt Ion:264 Resp: 28303
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.3 28.9
 265 29.6 22.4 33.6



#37
 Benzo(b)fluoranthene
 Concen: 0.03 ng
 RT: 23.078 min Scan# 1952
 Delta R.T. 0.003 min
 Lab File: BE101254.D
 Acq: 8 Apr 2021 19:52

Tgt Ion:252 Resp: 2753
 Ion Ratio Lower Upper
 252 100
 253 56.4 18.1 27.1#
 125 66.3 7.6 11.4#

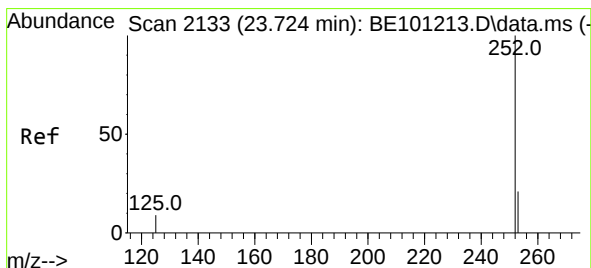
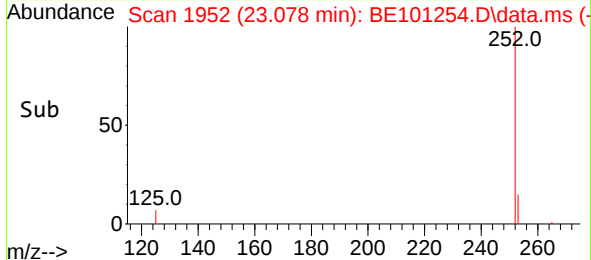
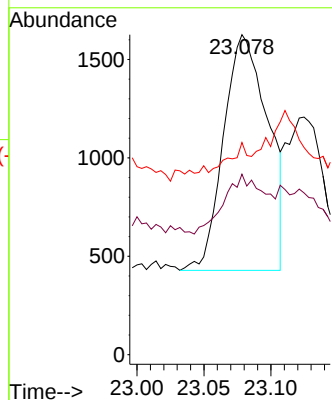
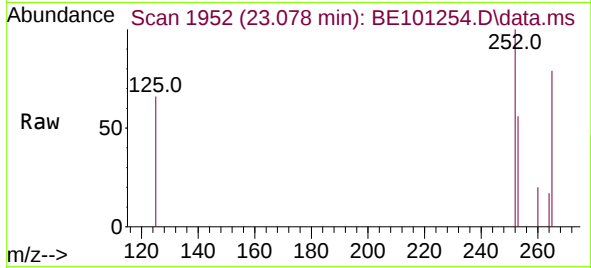




#38
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 23.078 min Scan# 1952
Delta R.T. -0.047 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

Instrument :
BNA_E
ClientSampleId :
MW-115RR

Tgt Ion:252 Resp: 2753
Ion Ratio Lower Upper
252 100
253 56.4 17.8 26.6#
125 66.3 7.6 11.4#



#39
Benzo(a)pyrene
Concen: 0.02 ng
RT: 23.723 min Scan# 2133
Delta R.T. -0.001 min
Lab File: BE101254.D
Acq: 8 Apr 2021 19:52

Tgt Ion:252 Resp: 1961
Ion Ratio Lower Upper
252 100
253 59.2 18.0 27.0#
125 69.3 8.0 12.0#

