

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040921\
 Data File : BE101274.D
 Acq On : 9 Apr 2021 18:00
 Operator : CG/JU
 Sample : M1966-04DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-115RRDL

Quant Time: Apr 10 00:41:10 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)

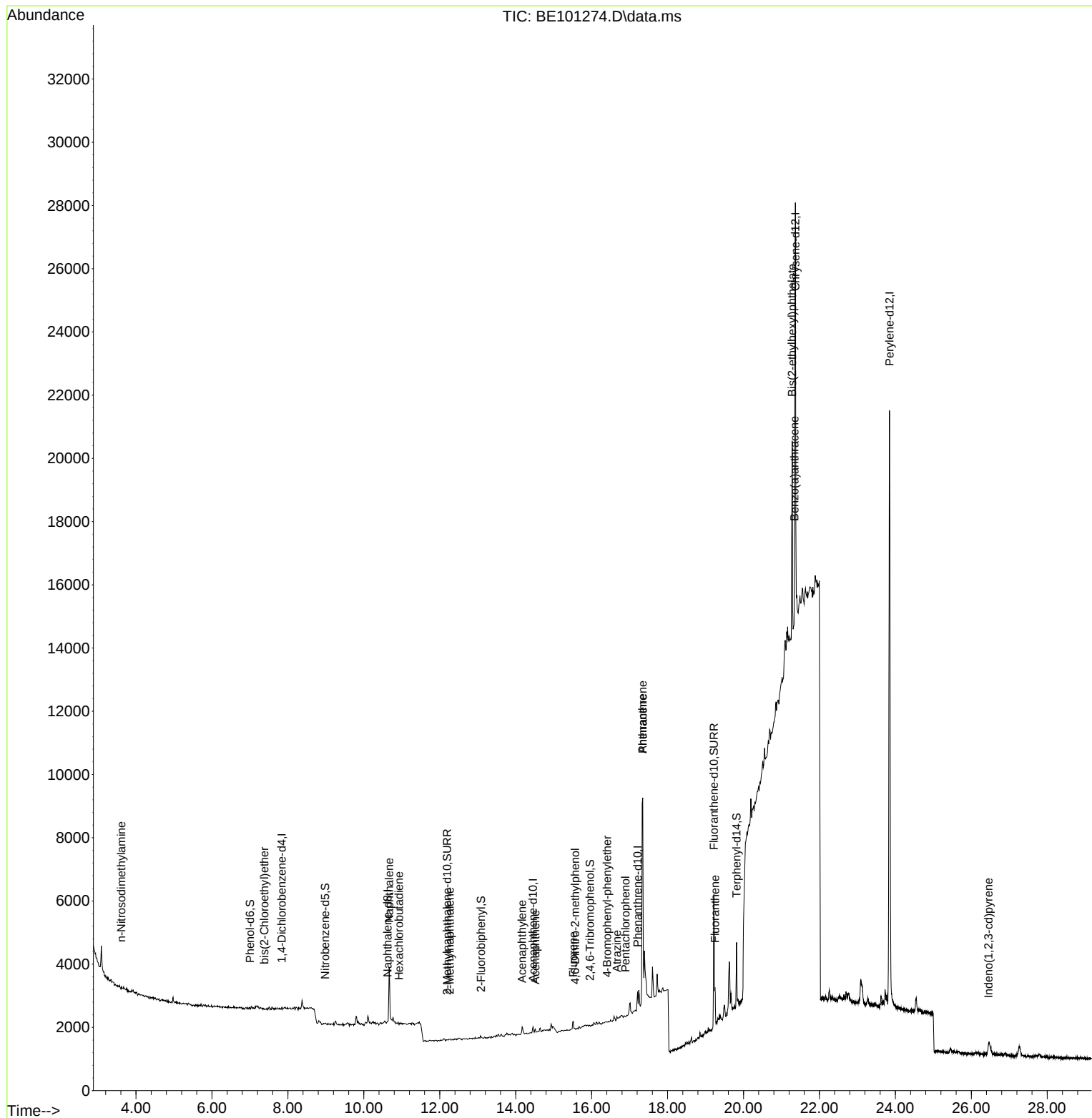
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.841	152	22	0.40	ng	# 0.01
7) Naphthalene-d8	10.628	136	97	0.40	ng	# 0.01
13) Acenaphthene-d10	14.458	164	176	0.40	ng	# 0.01
19) Phenanthrene-d10	17.210	188	840	0.40	ng	# 0.00
29) Chrysene-d12	21.366	240	14493	0.40	ng	# 0.01
36) Perylene-d12	23.844	264	28266	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.400	112	1	0.02	ng	-0.02
5) Phenol-d6	7.001	99	19	0.23	ng	0.01
8) Nitrobenzene-d5	8.978	82	32	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.196	152	75	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.956	330	8	0.17	ng	0.00
15) 2-Fluorobiphenyl	13.089	172	71	0.11	ng	0.01
27) Fluoranthene-d10	19.221	212	5759	0.40	ng	0.00
31) Terphenyl-d14	19.818	244	1970	0.05	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.615	42	61	1.74	ng	# 1
6) bis(2-Chloroethyl)ether	7.381	93	11	0.15	ng	# 1
9) Naphthalene	10.667	128	3459	3.28	ng	# 91
10) Hexachlorobutadiene	10.927	225	9	0.19	ng	# 19
12) 2-Methylnaphthalene	12.268	142	41	0.22	ng	# 30
16) Acenaphthylene	14.170	152	385	0.56	ng	# 88
17) Acenaphthene	14.515	154	104	0.20	ng	# 74
18) Fluorene	15.517	166	293	0.43	ng	# 78
20) 4,6-Dinitro-2-methylph...	15.562	198	12	0.20	ng	# 1
21) 4-Bromophenyl-phenylether	16.409	248	9	0.02	ng	# 23
23) Atrazine	16.666	200	64	0.23	ng	# 1
24) Pentachlorophenol	16.893	266	11	0.07	ng	# 1
25) Phenanthrene	17.347	178	11892	4.78	ng	97
26) Anthracene	17.347	178	11466	5.40	ng	97
28) Fluoranthene	19.250	202	1173	0.36	ng	# 86
32) Benzo(a)anthracene	21.342	228	1175	0.03	ng	# 35
34) Bis(2-ethylhexyl)phtha...	21.282	149	6993	0.24	ng	# 98
35) Indeno(1,2,3-cd)pyrene	26.455	276	765	0.02	ng	# 71

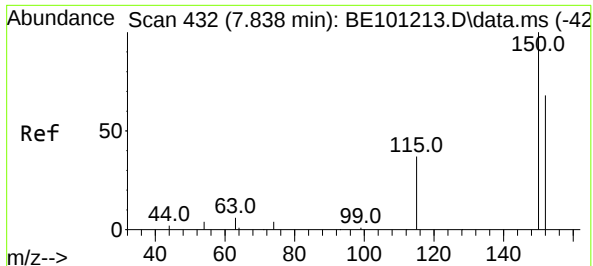
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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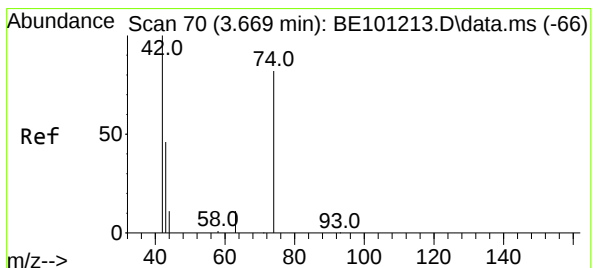
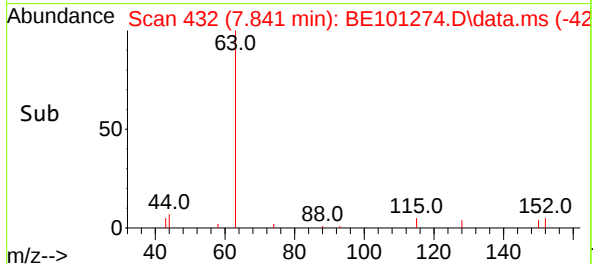
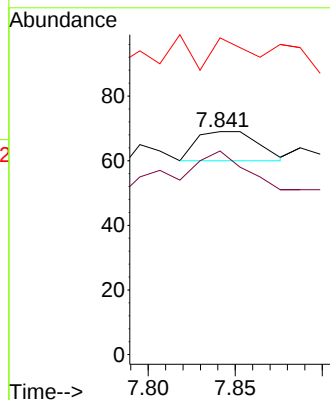
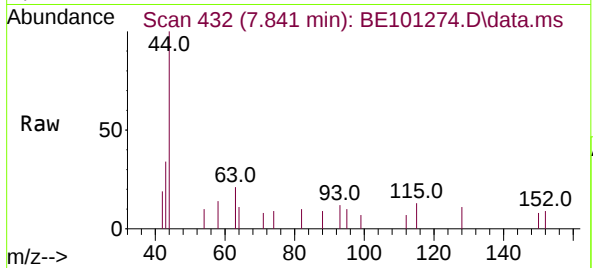




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.841 min Scan# 432
 Delta R.T. 0.011 min
 Lab File: BE101274.D
 Acq: 9 Apr 2021 18:00

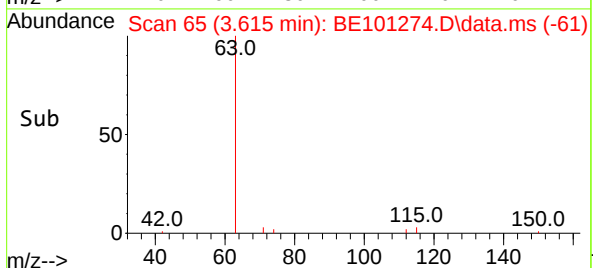
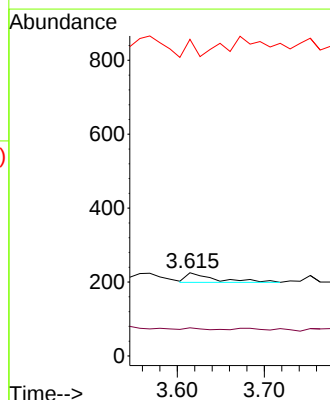
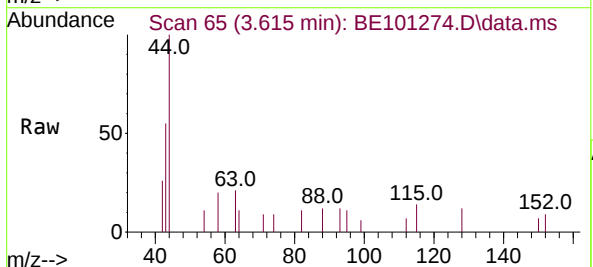
Instrument :
 BNA_E
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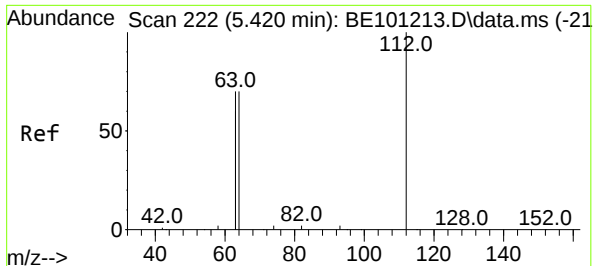
Tgt Ion:152 Resp: 22
 Ion Ratio Lower Upper
 152 100
 150 91.3 116.9 175.3#
 115 142.0 44.5 66.7#



#3
 n-Nitrosodimethylamine
 Concen: 1.74 ng
 RT: 3.615 min Scan# 65
 Delta R.T. -0.057 min
 Lab File: BE101274.D
 Acq: 9 Apr 2021 18:00

Tgt Ion: 42 Resp: 61
 Ion Ratio Lower Upper
 42 100
 74 0.0 92.7 139.1#
 44 57.4 10.7 16.1#

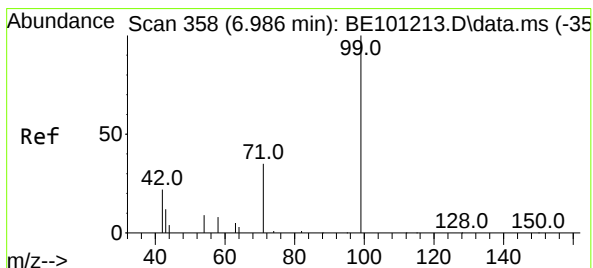
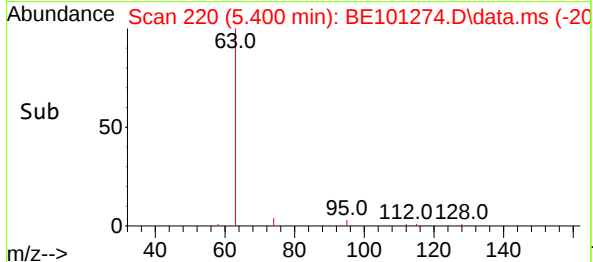
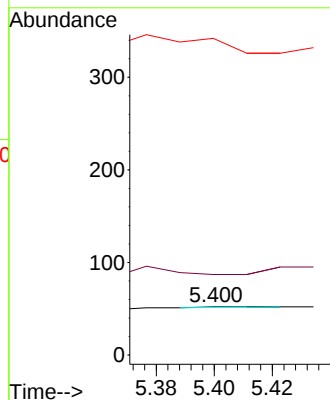
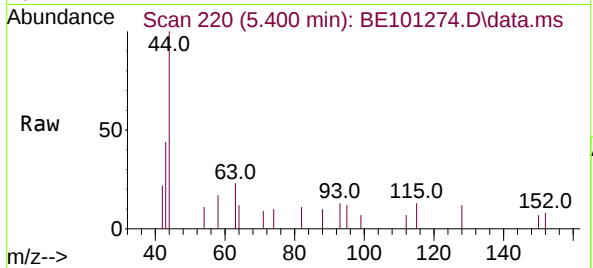




#4
2-Fluorophenol
Concen: 0.02 ng
RT: 5.400 min Scan# 220
Delta R.T. -0.023 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

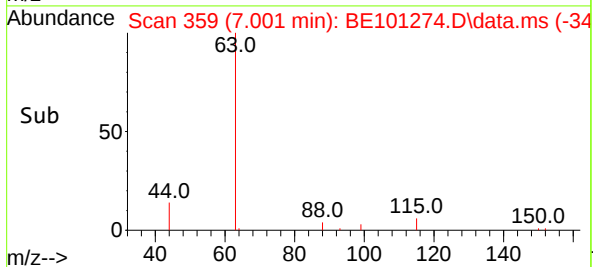
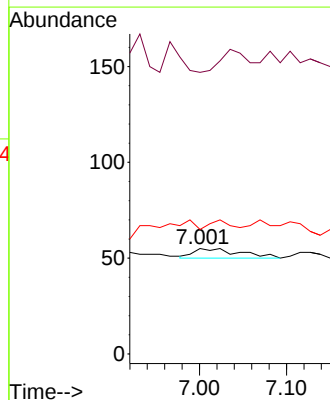
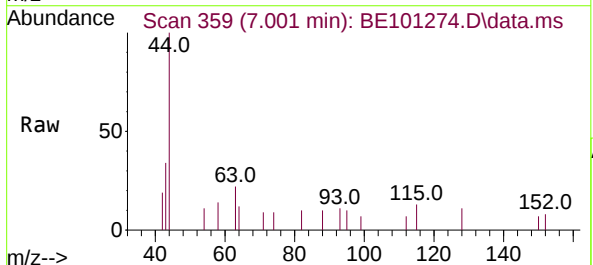
Instrument :
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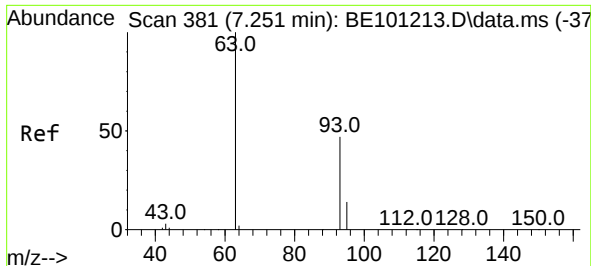
Tgt Ion:112 Resp: 1
Ion Ratio Lower Upper
112 100
64 0.0 62.3 93.5#
63 0.0 117.3 175.9#



#5
Phenol-d6
Concen: 0.23 ng
RT: 7.001 min Scan# 359
Delta R.T. 0.012 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

Tgt Ion: 99 Resp: 19
Ion Ratio Lower Upper
99 100
42 0.0 18.5 27.7#
71 184.2 26.5 39.7#

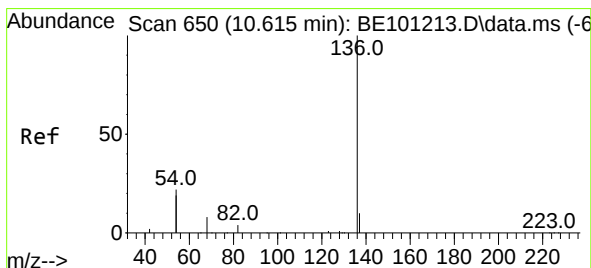
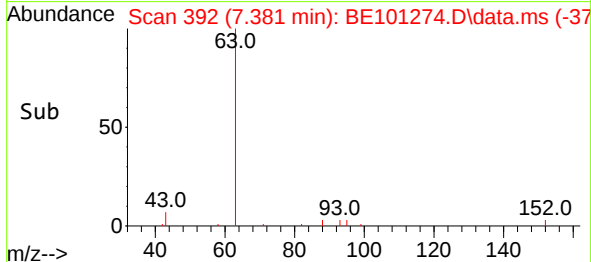
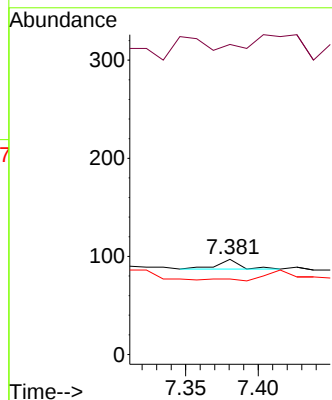
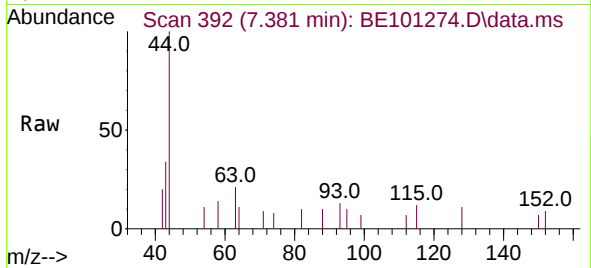




#6
bis(2-Chloroethyl)ether
Concen: 0.15 ng
RT: 7.381 min Scan# 392
Delta R.T. 0.127 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

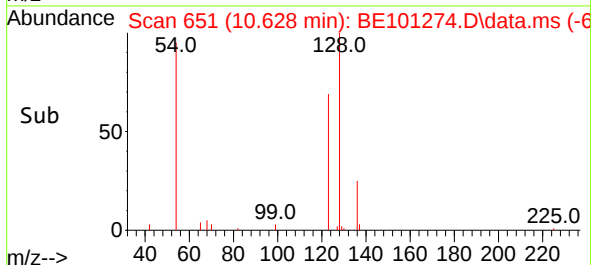
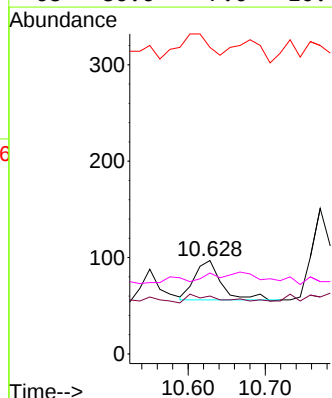
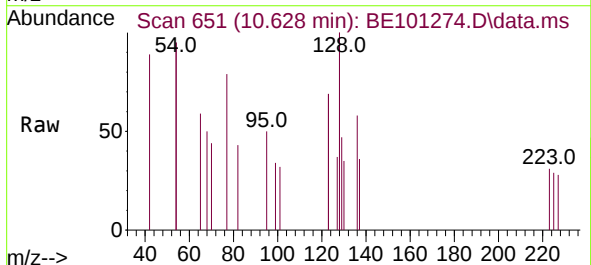
Instrument :
BNA_E
ClientSampleId :
MW-115RRDL

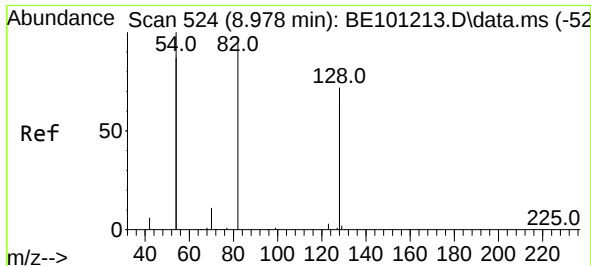
Tgt Ion: 93 Resp: 11
Ion Ratio Lower Upper
93 100
63 0.0 292.5 438.7#
95 0.0 25.7 38.5#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.628 min Scan# 651
Delta R.T. 0.014 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

Tgt Ion: 136 Resp: 97
Ion Ratio Lower Upper
136 100
137 61.9 8.6 13.0#
54 327.8 34.7 52.1#
68 86.6 7.0 10.4#

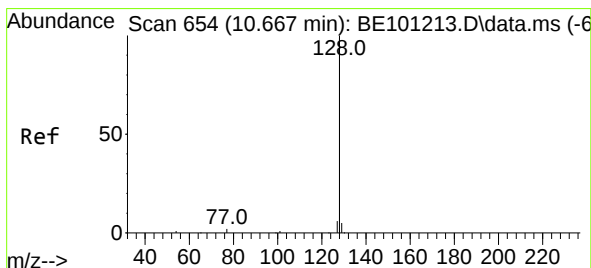
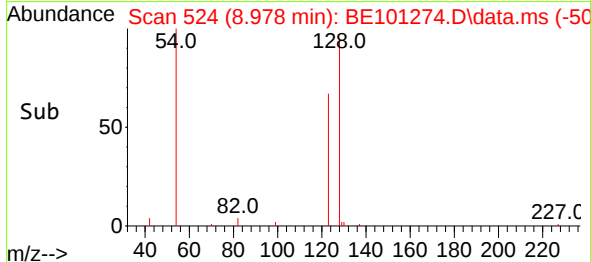
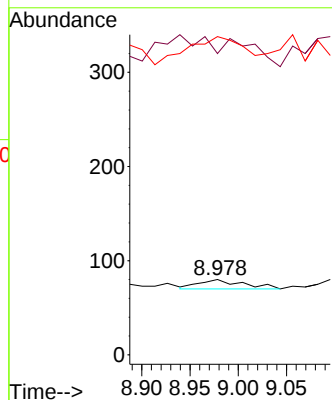
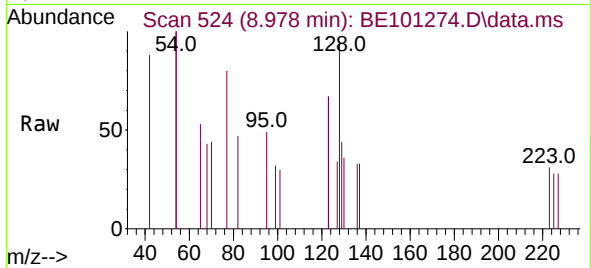




#8
Nitrobenzene-d5
Concen: 0.44 ng
RT: 8.978 min Scan# 524
Delta R.T. 0.001 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

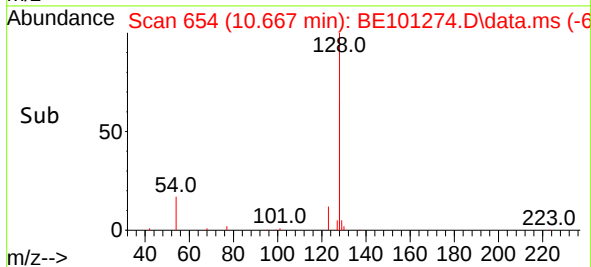
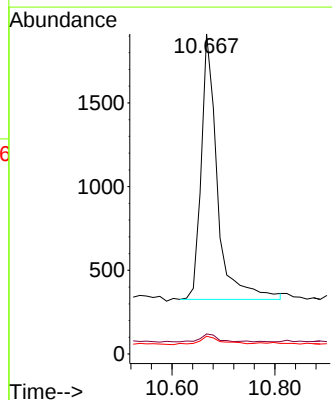
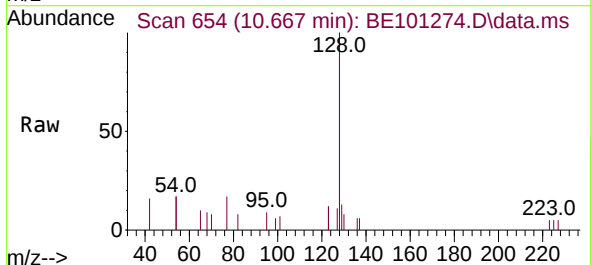
Instrument :
BNA_E
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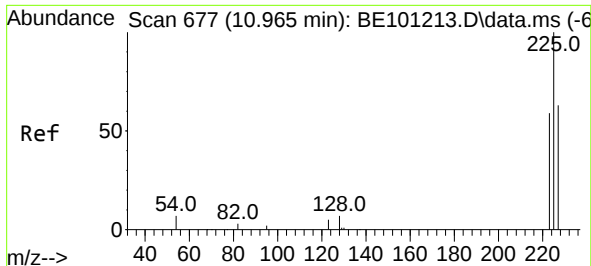
Tgt Ion: 82 Resp: 32
Ion Ratio Lower Upper
82 100
128 400.0 118.7 178.1#
54 422.5 164.4 246.6#



#9
Naphthalene
Concen: 3.28 ng
RT: 10.667 min Scan# 654
Delta R.T. 0.001 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

Tgt Ion: 128 Resp: 3459
Ion Ratio Lower Upper
128 100
129 6.3 2.2 3.4#
127 5.5 2.6 3.8#

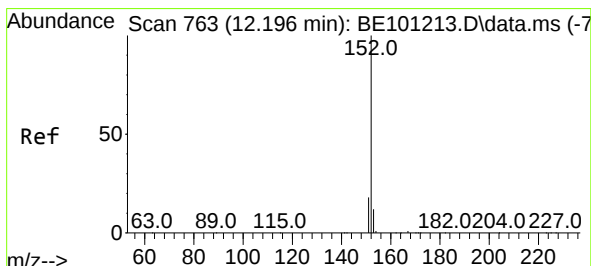
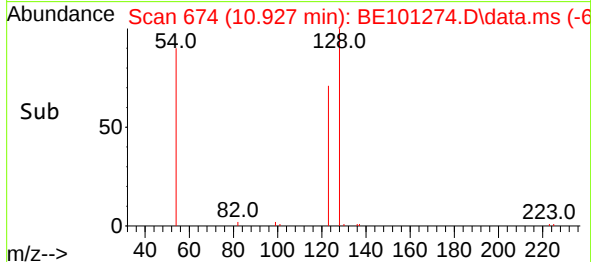
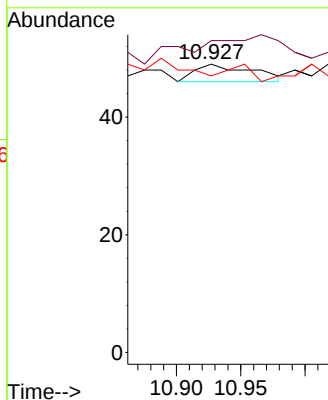
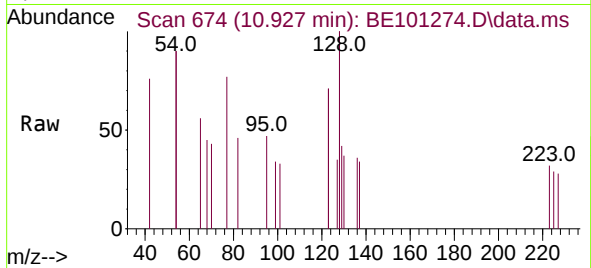




#10
Hexachlorobutadiene
Concen: 0.19 ng
RT: 10.927 min Scan# 674
Delta R.T. -0.038 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

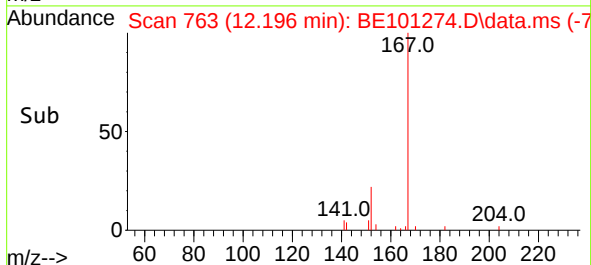
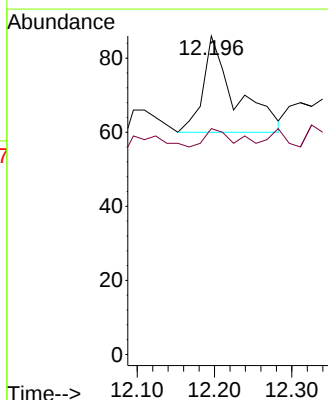
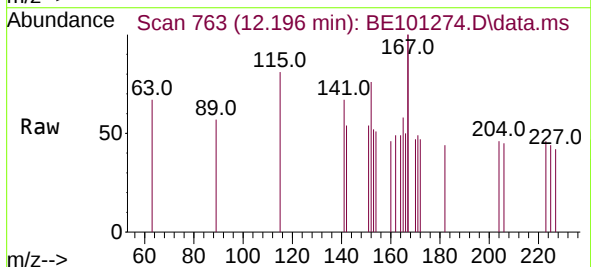
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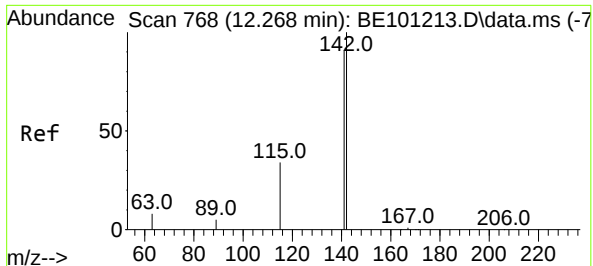
Tgt Ion:225 Resp: 9
Ion Ratio Lower Upper
225 100
223 0.0 50.4 75.6#
227 0.0 50.1 75.1#



#11
2-Methylnaphthalene-d10
Concen: 0.33 ng
RT: 12.196 min Scan# 763
Delta R.T. -0.000 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

Tgt Ion:152 Resp: 75
Ion Ratio Lower Upper
152 100
151 24.0 16.5 24.7





#12

2-Methylnaphthalene

Concen: 0.22 ng

RT: 12.268 min Scan# 768

Delta R.T. -0.000 min

Lab File: BE101274.D

Acq: 9 Apr 2021 18:00

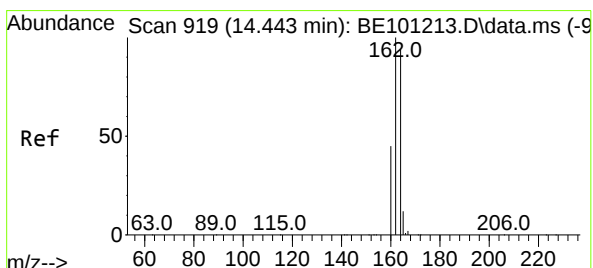
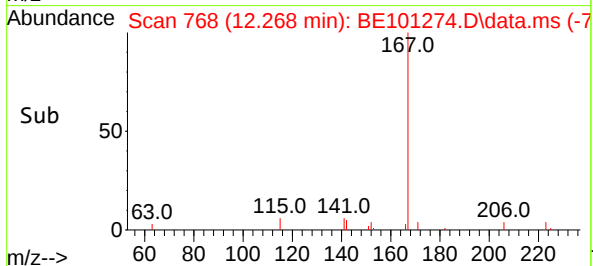
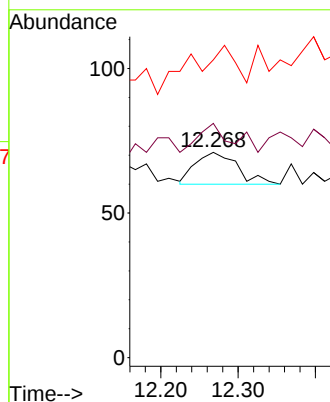
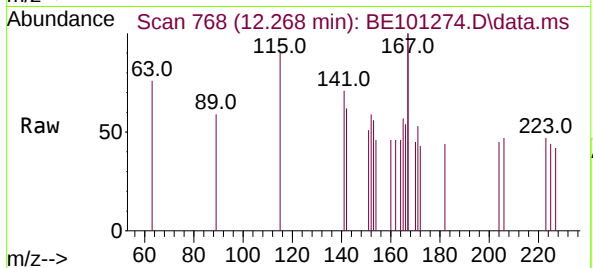
Tgt Ion:	142	Resp:	41
Ion	Ratio	Lower	Upper
142	100		
141	114.1	73.0	109.6#
115	145.1	27.8	41.8#

Instrument :

BNA_E

ClientSampleId :

MW-115RRDL



#13

Acenaphthene-d10

Concen: 0.40 ng

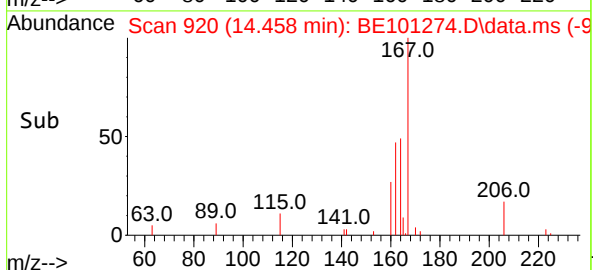
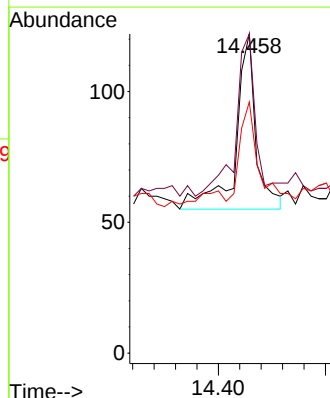
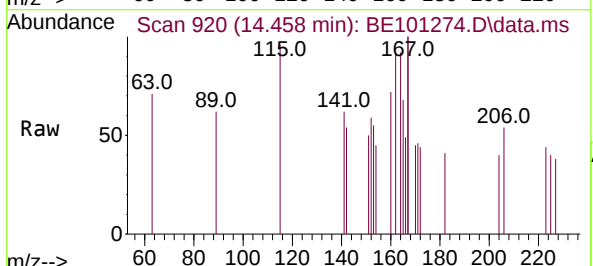
RT: 14.458 min Scan# 920

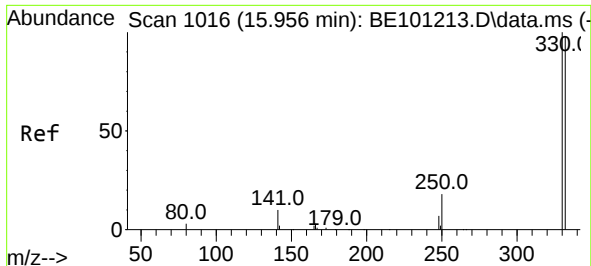
Delta R.T. 0.014 min

Lab File: BE101274.D

Acq: 9 Apr 2021 18:00

Tgt Ion:	164	Resp:	176
Ion	Ratio	Lower	Upper
164	100		
162	100.0	85.3	127.9
160	78.7	39.1	58.7#

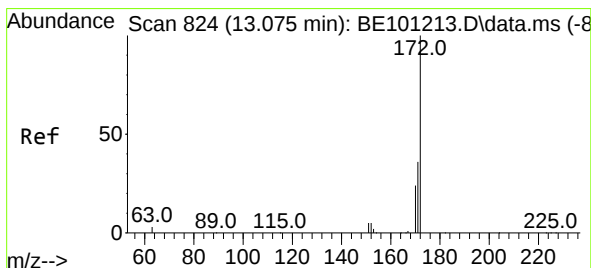
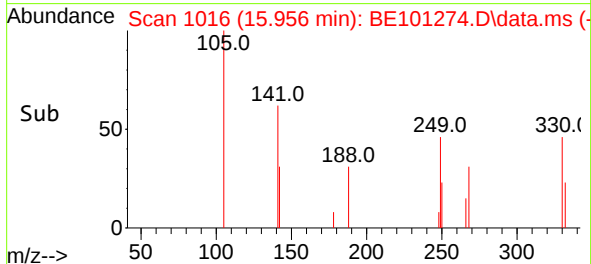
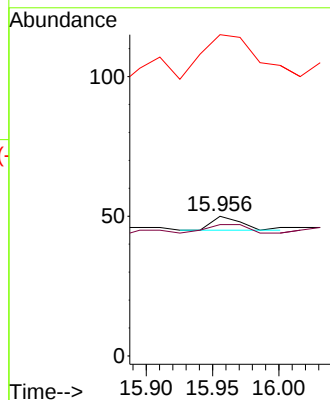
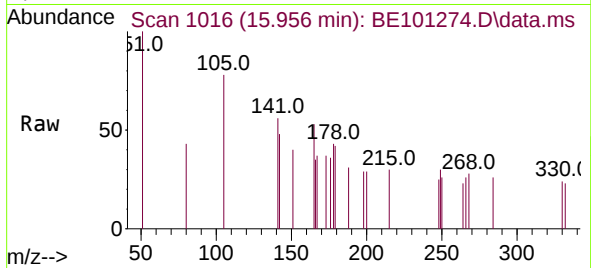




#14
2,4,6-Tribromophenol
Concen: 0.17 ng
RT: 15.956 min Scan# 1016
Delta R.T. 0.001 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

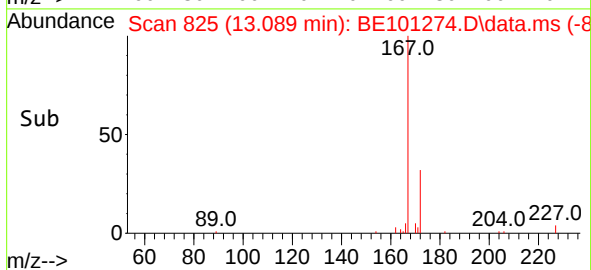
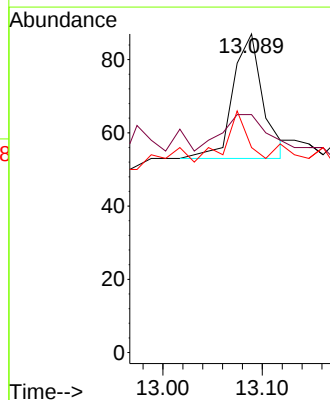
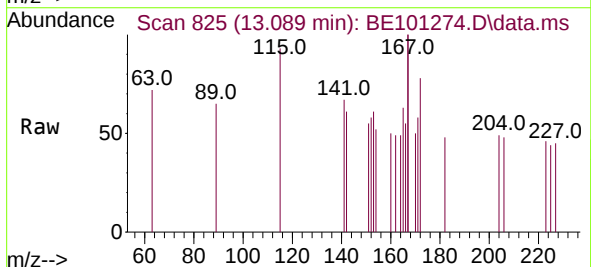
Instrument :
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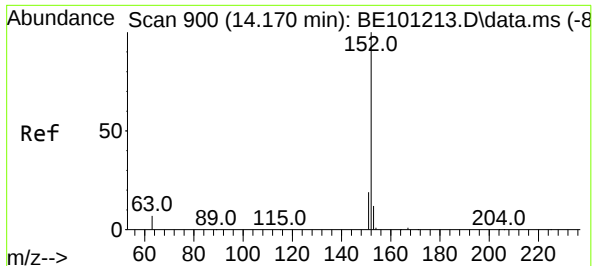
Tgt Ion: 330 Resp: 8
Ion Ratio Lower Upper
330 100
332 75.0 77.8 116.6#
141 587.5 30.4 45.6#



#15
2-Fluorobiphenyl
Concen: 0.11 ng
RT: 13.089 min Scan# 825
Delta R.T. 0.014 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

Tgt Ion: 172 Resp: 71
Ion Ratio Lower Upper
172 100
171 74.7 28.7 43.1#
170 64.4 19.3 28.9#

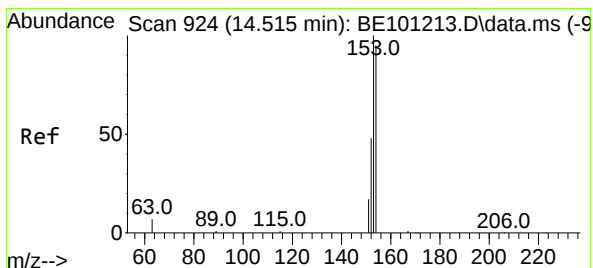
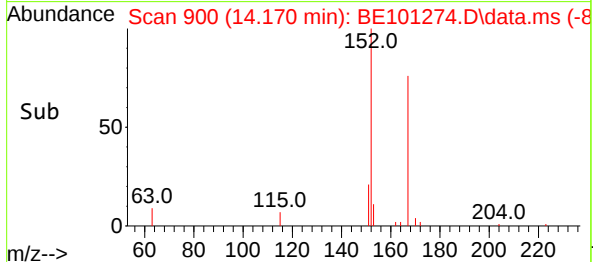
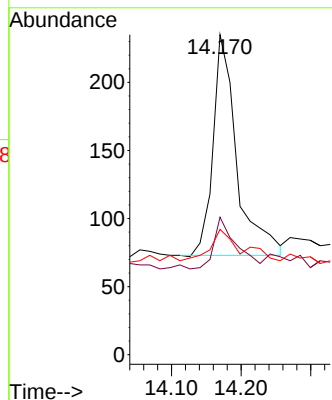
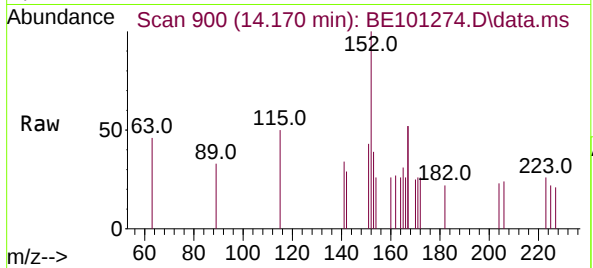




#16
Acenaphthylene
Concen: 0.56 ng
RT: 14.170 min Scan# 900
Delta R.T. -0.000 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

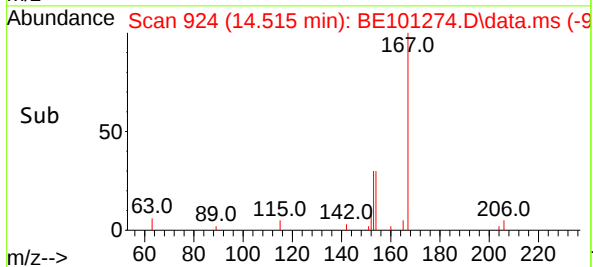
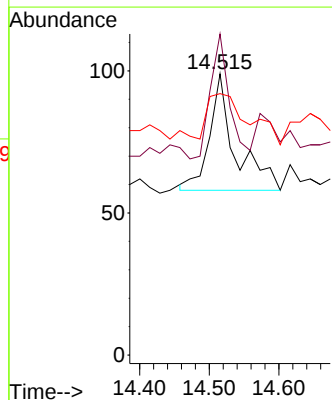
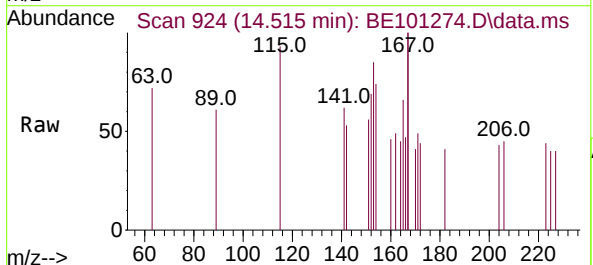
Instrument :
BNA_E
ClientSampleId :
MW-115RRDL

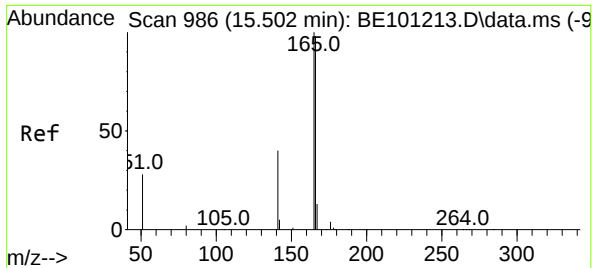
Tgt Ion:	152	Resp:	385
Ion	Ratio	Lower	Upper
152	100		
151	22.1	15.4	23.2
153	21.0	10.0	15.0#



#17
Acenaphthene
Concen: 0.20 ng
RT: 14.515 min Scan# 924
Delta R.T. -0.000 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

Tgt Ion:	154	Resp:	104
Ion	Ratio	Lower	Upper
154	100		
153	79.8	84.9	127.3#
152	72.1	42.7	64.1#

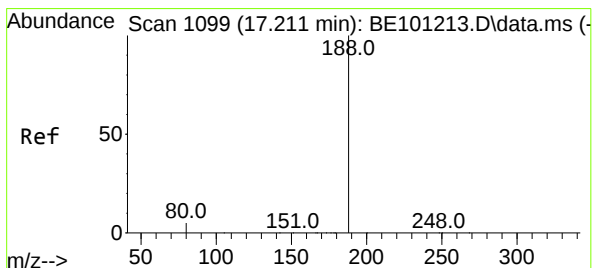
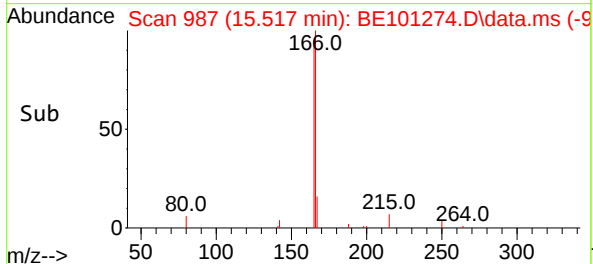
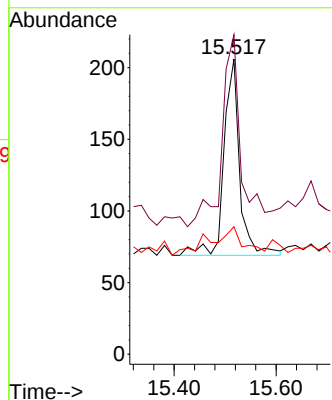
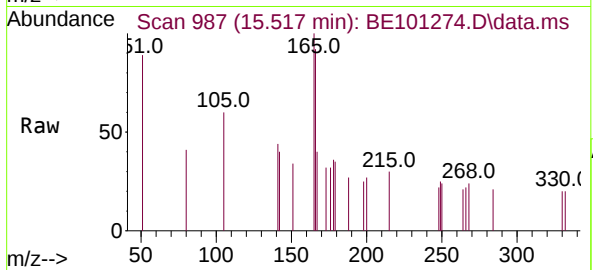




#18
Fluorene
Concen: 0.43 ng
RT: 15.517 min Scan# 987
Delta R.T. 0.016 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

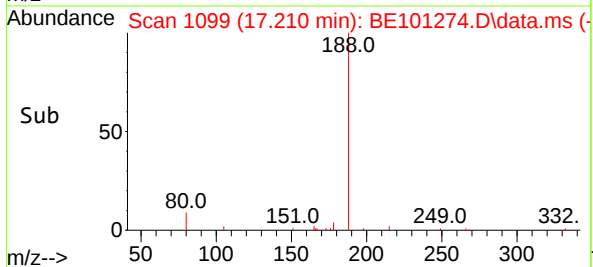
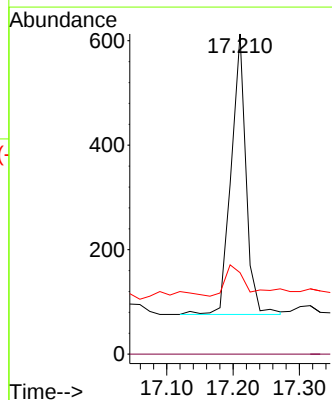
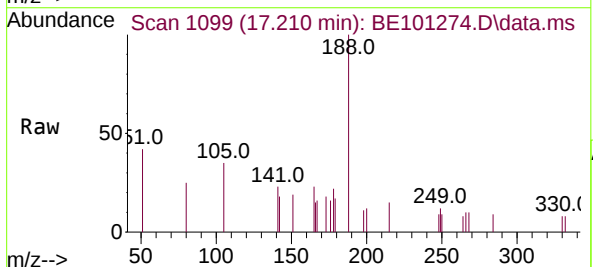
Instrument :
BNA_E
ClientSampleId :
MW-115RRDL

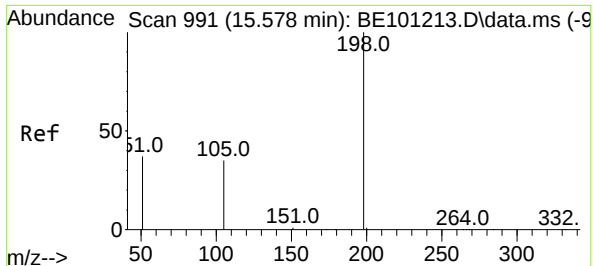
Tgt Ion:166 Resp: 293
Ion Ratio Lower Upper
166 100
165 120.5 79.0 118.4#
167 21.5 11.0 16.4#



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.210 min Scan# 1099
Delta R.T. 0.000 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

Tgt Ion:188 Resp: 840
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 25.4 4.6 6.8#

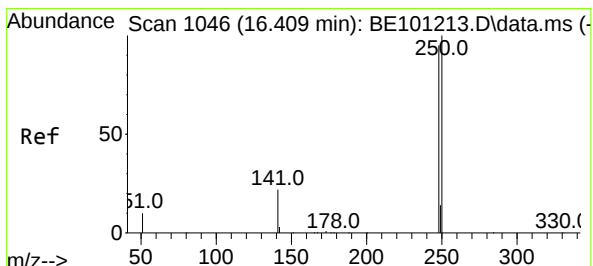
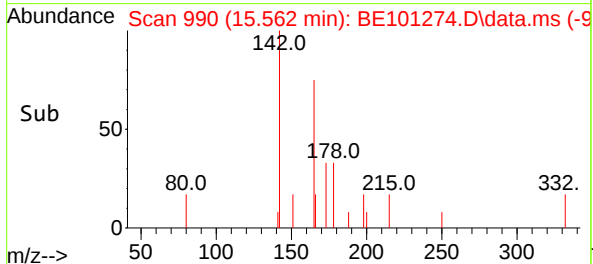
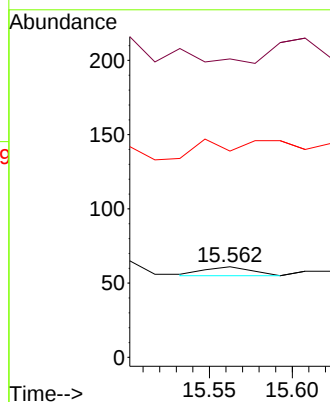
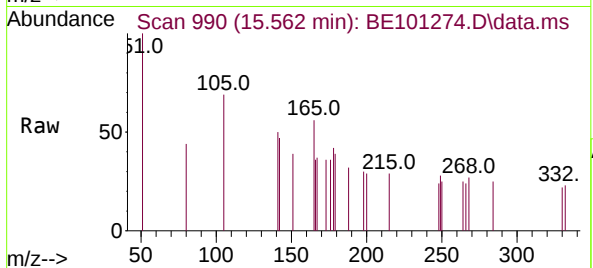




#20
4,6-Dinitro-2-methylphenol
Concen: 0.20 ng
RT: 15.562 min Scan# 990
Delta R.T. -0.015 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

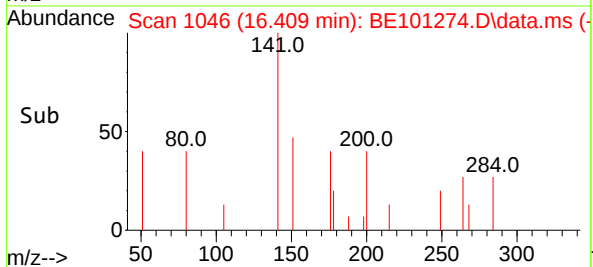
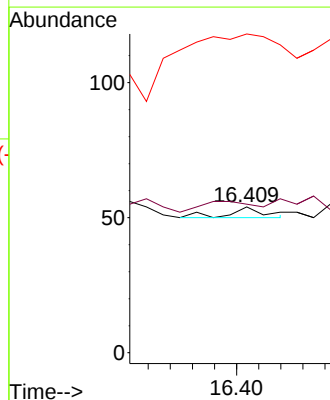
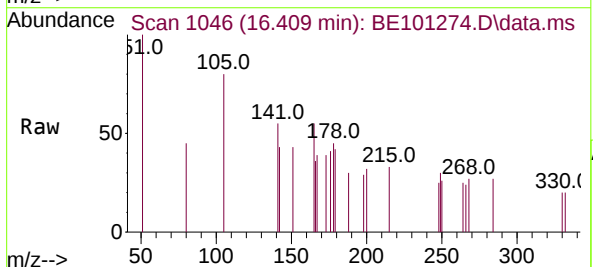
Instrument :
BNA_E
ClientSampleId :
MW-115RRDL

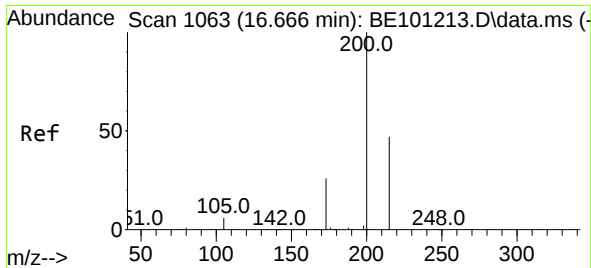
Tgt Ion:198 Resp: 12
Ion Ratio Lower Upper
198 100
51 329.5 55.9 83.9#
105 227.9 33.6 50.4#



#21
4-Bromophenyl-phenylether
Concen: 0.02 ng
RT: 16.409 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

Tgt Ion:248 Resp: 9
Ion Ratio Lower Upper
248 100
250 101.9 84.5 126.7
141 218.5 19.8 29.8#

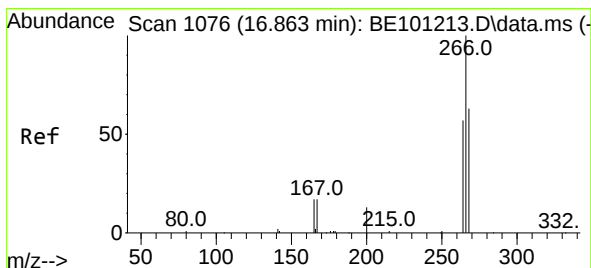
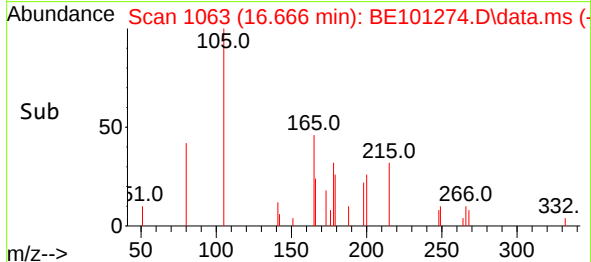
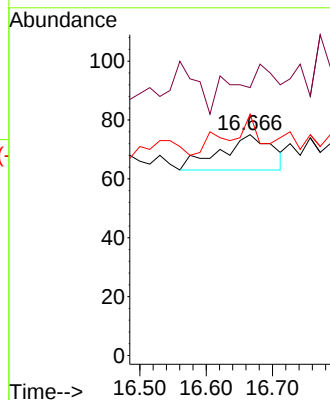
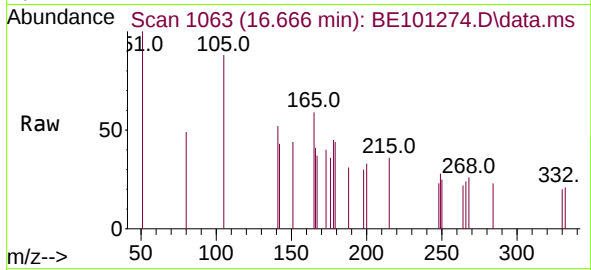




#23
Atrazine
Concen: 0.23 ng
RT: 16.666 min Scan# 1063
Delta R.T. 0.000 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

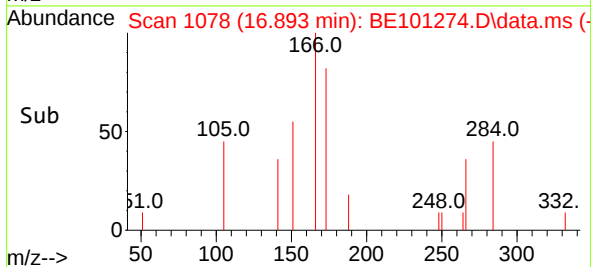
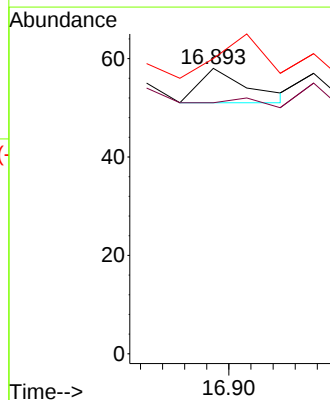
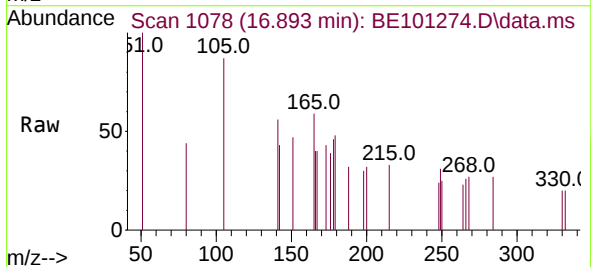
Instrument :
BNA_E
ClientSampleId :
MW-115RRDL

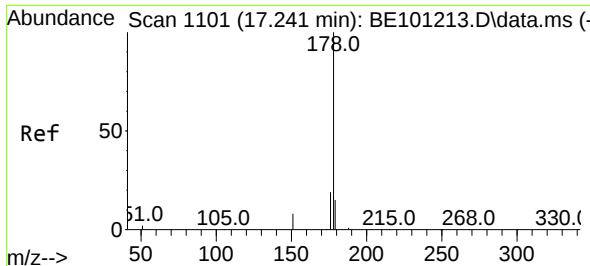
Tgt Ion:200 Resp: 64
Ion Ratio Lower Upper
200 100
173 121.3 21.9 32.9#
215 109.3 38.6 57.8#



#24
Pentachlorophenol
Concen: 0.07 ng
RT: 16.893 min Scan# 1078
Delta R.T. 0.031 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

Tgt Ion:266 Resp: 11
Ion Ratio Lower Upper
266 100
264 0.0 49.1 73.7#
268 163.6 50.6 76.0#

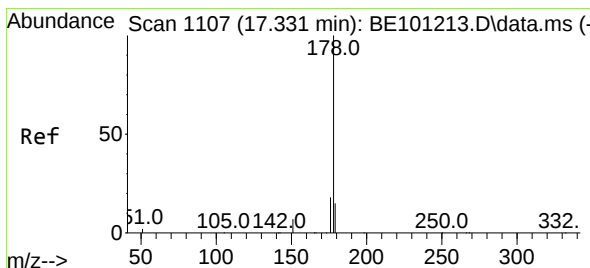
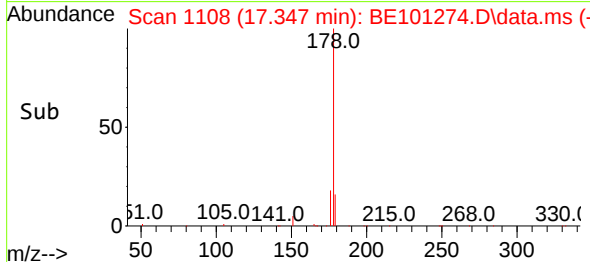
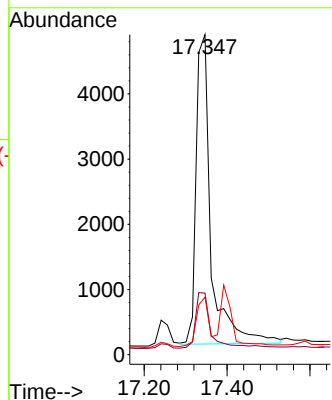
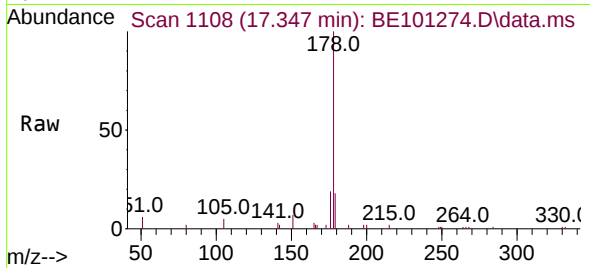




#25
Phenanthrene
Concen: 4.78 ng
RT: 17.347 min Scan# 1108
Delta R.T. 0.106 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

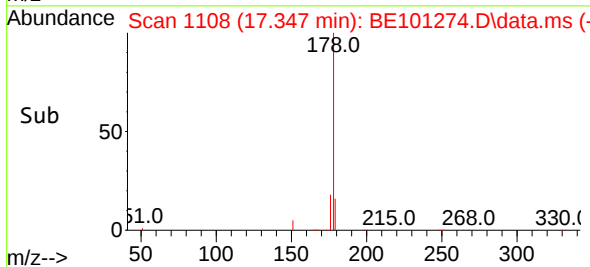
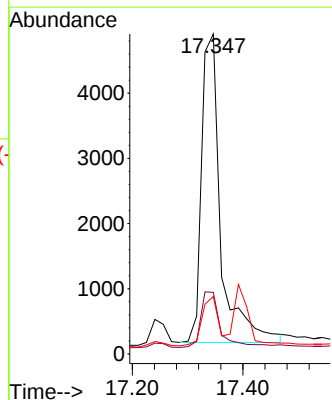
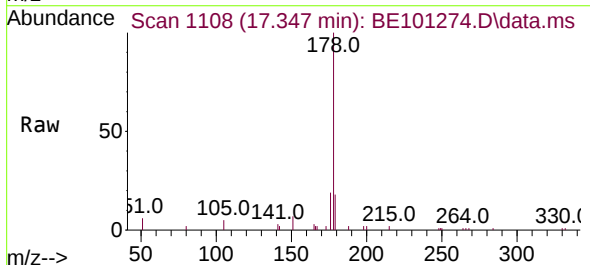
Instrument :
BNA_E
ClientSampleId :
MW-115RRDL

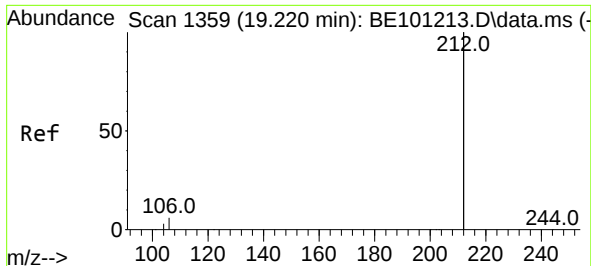
Tgt Ion:178 Resp: 11892
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 12.5 12.2 18.4



#26
Anthracene
Concen: 5.40 ng
RT: 17.347 min Scan# 1108
Delta R.T. 0.016 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

Tgt Ion:178 Resp: 11466
Ion Ratio Lower Upper
178 100
176 18.5 14.4 21.6
179 13.0 11.8 17.8

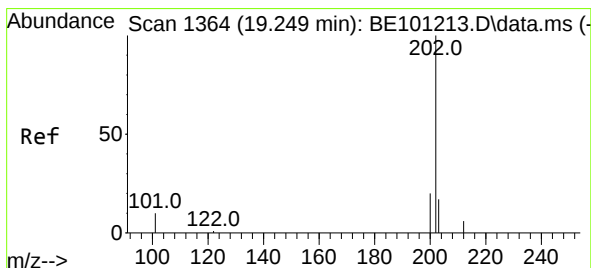
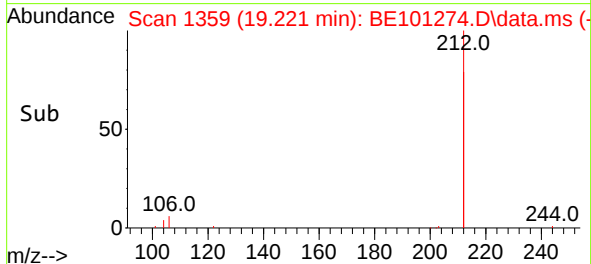
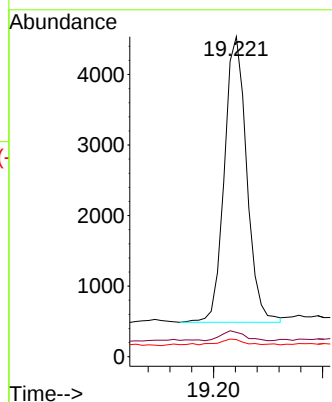
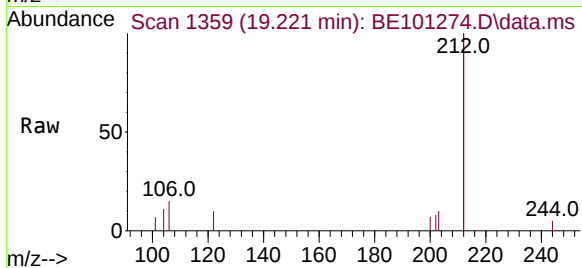




#27
Fluoranthene-d10
Concen: 0.40 ng
RT: 19.221 min Scan# 1359
Delta R.T. 0.006 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

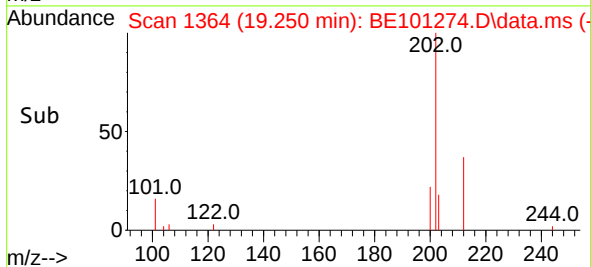
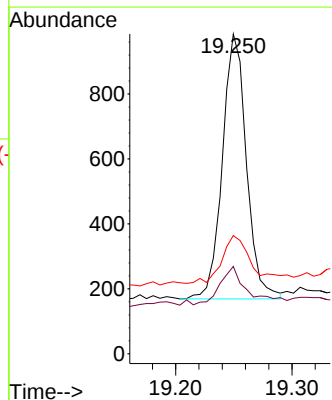
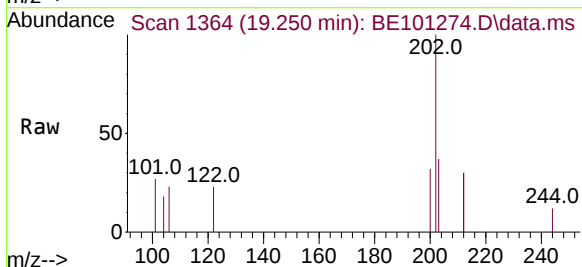
Instrument :
BNA_E
ClientSampleId :
MW-115RRDL

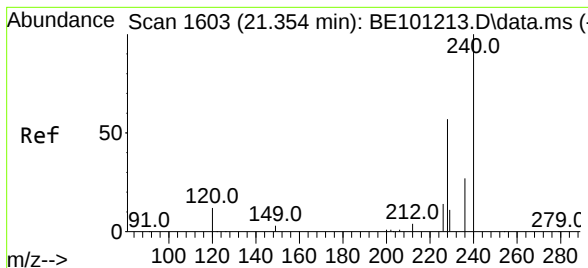
Tgt Ion:212 Resp: 5759
Ion Ratio Lower Upper
212 100
106 3.6 2.6 4.0
104 2.2 1.4 2.2#



#28
Fluoranthene
Concen: 0.36 ng
RT: 19.250 min Scan# 1364
Delta R.T. 0.006 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

Tgt Ion:202 Resp: 1173
Ion Ratio Lower Upper
202 100
101 16.6 9.1 13.7#
203 23.2 13.6 20.4#





#29

Chrysene-d12

Concen: 0.40 ng

RT: 21.366 min Scan# 1604

Delta R.T. 0.012 min

Lab File: BE101274.D

Acq: 9 Apr 2021 18:00

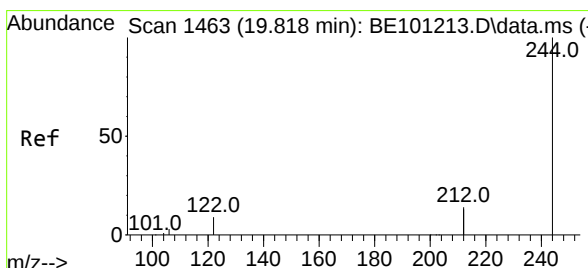
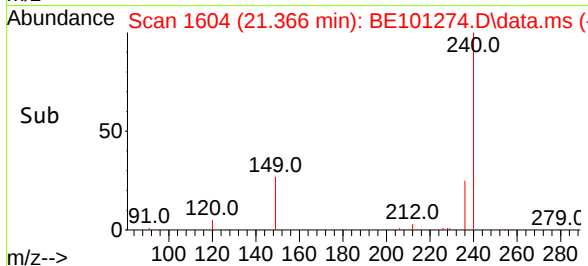
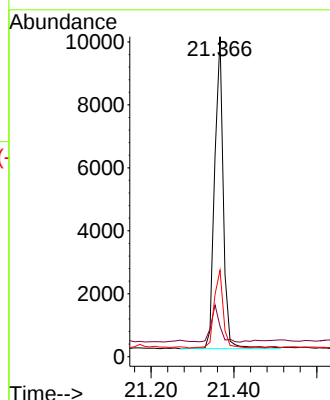
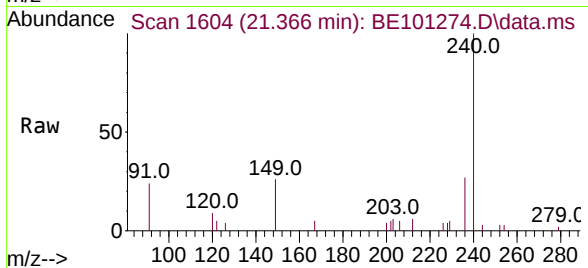
Tgt Ion:240 Resp: 14493

Ion Ratio Lower Upper

240 100

120 9.5 10.2 15.4#

236 27.0 21.7 32.5



#31

Terphenyl-d14

Concen: 0.05 ng

RT: 19.818 min Scan# 1463

Delta R.T. 0.006 min

Lab File: BE101274.D

Acq: 9 Apr 2021 18:00

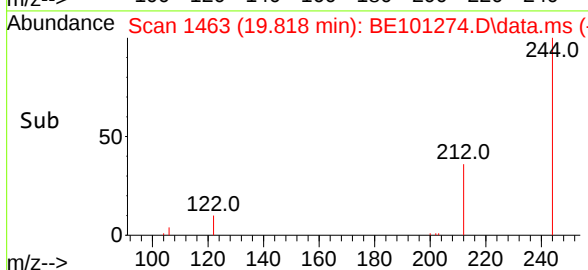
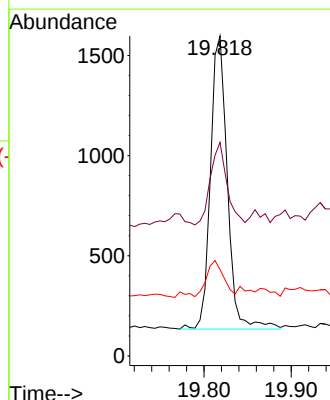
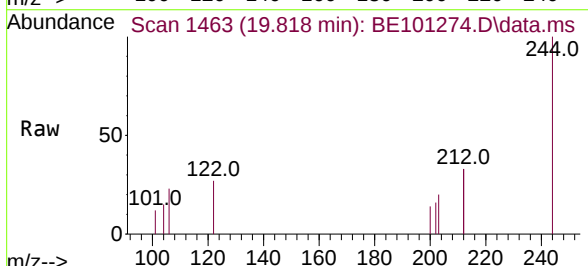
Tgt Ion:244 Resp: 1970

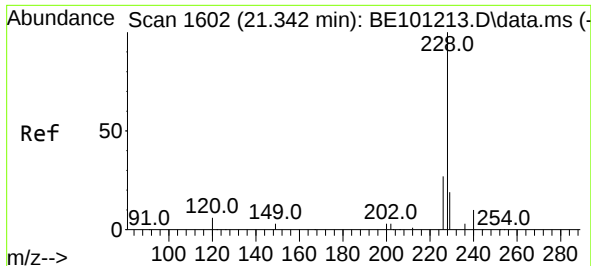
Ion Ratio Lower Upper

244 100

212 66.8 21.9 32.9#

122 27.0 7.3 10.9#

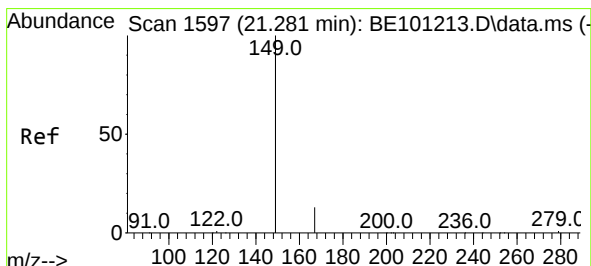
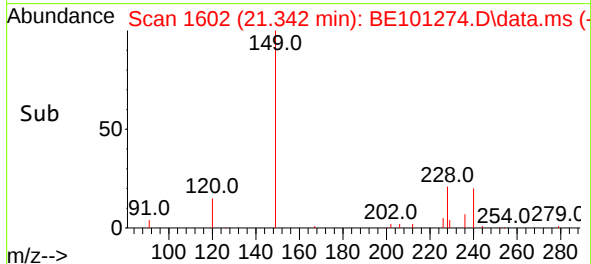
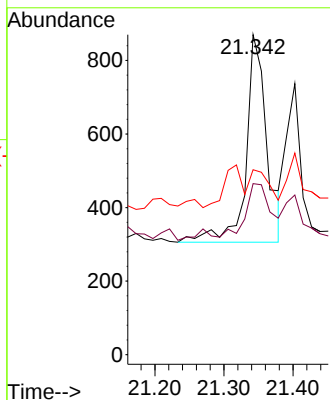
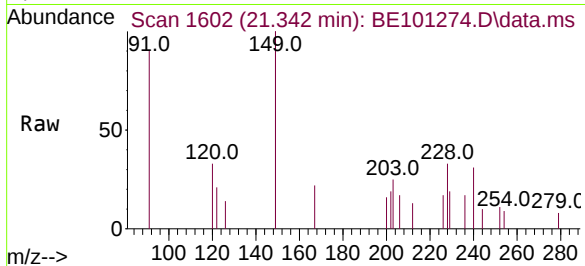




#32
Benzo(a)anthracene
Concen: 0.03 ng
RT: 21.342 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

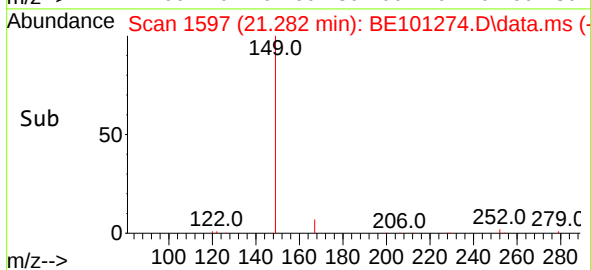
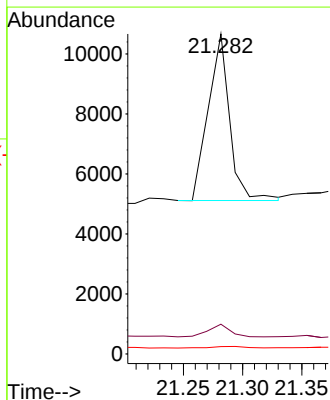
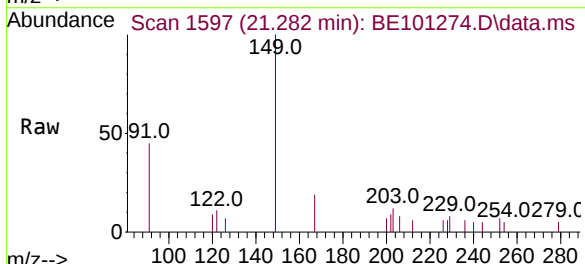
Instrument :
BNA_E
ClientSampleId :
MW-115RRDL

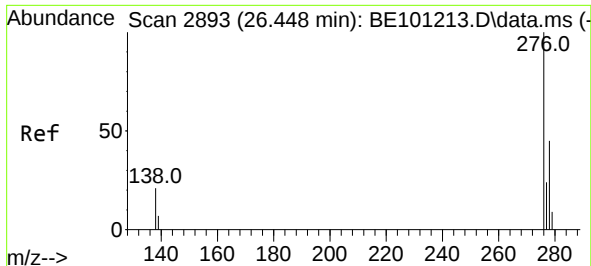
Tgt Ion:228 Resp: 1175
Ion Ratio Lower Upper
228 100
226 53.4 21.4 32.2#
229 57.8 15.7 23.5#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.24 ng
RT: 21.282 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

Tgt Ion:149 Resp: 6993
Ion Ratio Lower Upper
149 100
167 7.6 5.5 8.3
279 1.5 1.0 1.4#

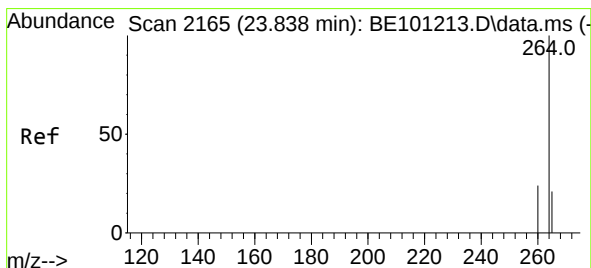
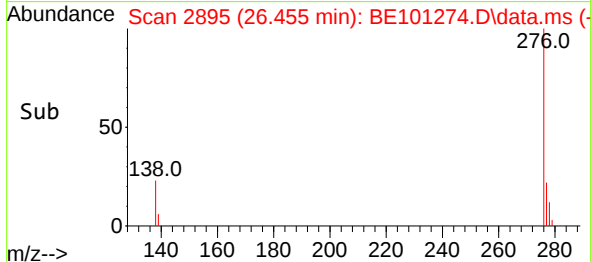
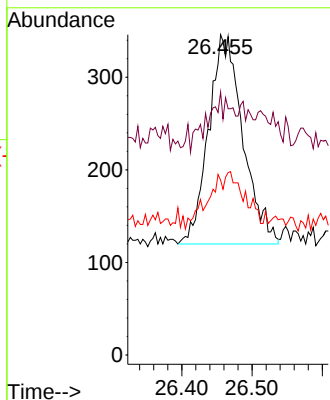
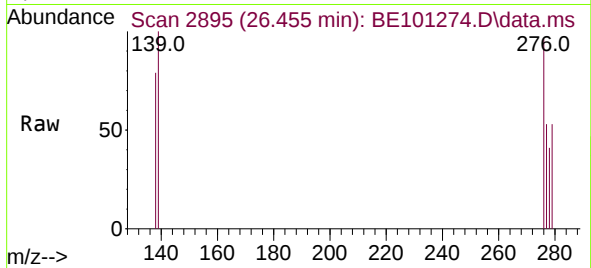




#35
Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng
RT: 26.455 min Scan# 2895
Delta R.T. 0.011 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

Instrument :
BNA_E
ClientSampleId :
MW-115RRDL

Tgt Ion:276 Resp: 765
Ion Ratio Lower Upper
276 100
138 13.1 17.4 26.0#
277 6.0 19.8 29.8#



#36
Perylene-d12
Concen: 0.40 ng
RT: 23.844 min Scan# 2167
Delta R.T. 0.010 min
Lab File: BE101274.D
Acq: 9 Apr 2021 18:00

Tgt Ion:264 Resp: 28266
Ion Ratio Lower Upper
264 100
260 25.8 19.3 28.9
265 28.3 22.4 33.6

