

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE041221\
 Data File : BE101284.D
 Acq On : 12 Apr 2021 16:52
 Operator : CG/JU
 Sample : SSTDIC5.0
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

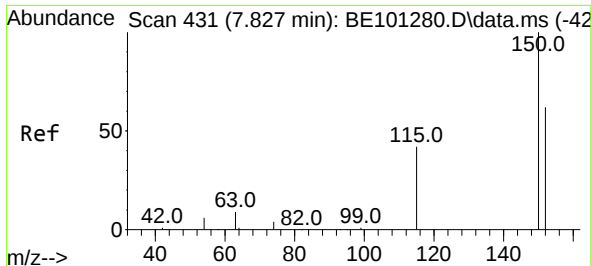
Instrument :
 BNA_E
 ClientSampleId :
 SSTDIC5.0

Quant Time: Apr 12 17:34:50 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-SIM-BE041221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 12 15:13:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.827	152	2650	0.40	ng	0.00
7) Naphthalene-d8	10.615	136	11061	0.40	ng	# 0.00
13) Acenaphthene-d10	14.444	164	8369	0.40	ng	0.00
19) Phenanthrene-d10	17.196	188	21170	0.40	ng	# 0.00
29) Chrysene-d12	21.354	240	35411	0.40	ng	0.00
36) Perylene-d12	23.842	264	27637	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.432	112	33555	5.38	ng	0.00
5) Phenol-d6	6.998	99	54533	5.57	ng	0.00
8) Nitrobenzene-d5	8.978	82	51669	6.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.196	152	128094	4.98	ng	0.00
14) 2,4,6-Tribromophenol	15.956	330	16148	7.20	ng	0.00
15) 2-Fluorobiphenyl	13.075	172	134005	4.46	ng	0.00
27) Fluoranthene-d10	19.215	212	1982186	5.40	ng	0.00
31) Terphenyl-d14	19.812	244	352877	3.72	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.359	88	18522	4.58	ng	99
3) n-Nitrosodimethylamine	3.670	42	23509	5.56	ng	# 98
6) bis(2-Chloroethyl)ether	7.251	93	40664	4.50	ng	99
9) Naphthalene	10.667	128	566160	4.71	ng	100
10) Hexachlorobutadiene	10.953	225	23687	4.47	ng	98
12) 2-Methylnaphthalene	12.268	142	108118	5.00	ng	94
16) Acenaphthylene	14.170	152	175761	5.39	ng	99
17) Acenaphthene	14.501	154	115640	4.73	ng	98
18) Fluorene	15.502	166	157311	4.80	ng	99
21) 4-Bromophenyl-phenylether	16.394	248	53121	5.07	ng	# 74
22) Hexachlorobenzene	16.515	284	50346	4.76	ng	100
23) Atrazine	16.666	200	57415	8.03	ng	95
25) Phenanthrene	17.241	178	290812	4.64	ng	99
26) Anthracene	17.332	178	284620	5.32	ng	98
28) Fluoranthene	19.243	202	432935	5.31	ng	98
30) Pyrene	19.605	202	446686	3.49	ng	99
32) Benzo(a)anthracene	21.342	228	533756	5.37	ng	98
33) Chrysene	21.391	228	538936	4.55	ng	98
34) Bis(2-ethylhexyl)phtha...	21.270	149	852956	11.83	ng	99
37) Benzo(b)fluoranthene	23.079	252	484668	5.36	ng	100
38) Benzo(k)fluoranthene	23.129	252	505006	5.03	ng	99
39) Benzo(a)pyrene	23.728	252	418075	5.44	ng	100
40) Dibenzo(a,h)anthracene	26.484	278	300234	4.01	ng	99
41) Benzo(g,h,i)perylene	27.262	276	301937	3.72	ng	100

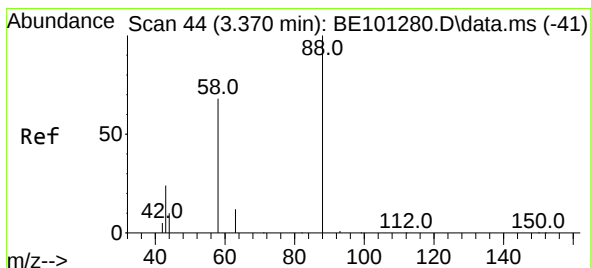
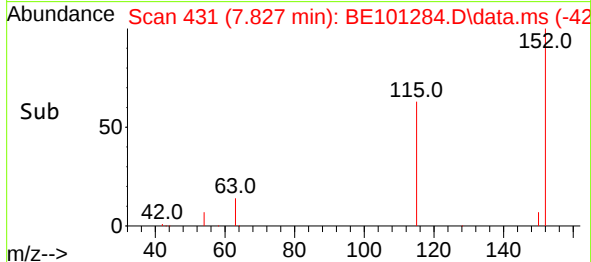
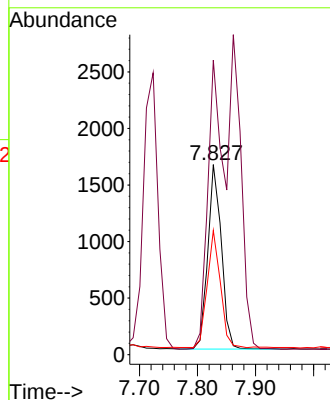
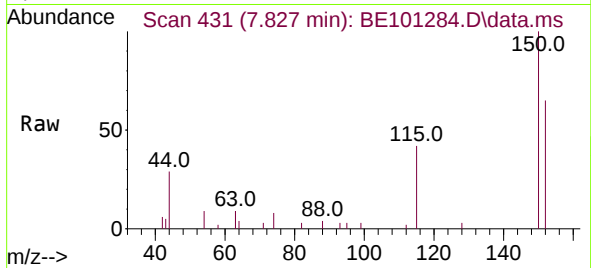
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.827 min Scan# 431
 Delta R.T. 0.000 min
 Lab File: BE101284.D
 Acq: 12 Apr 2021 16:52

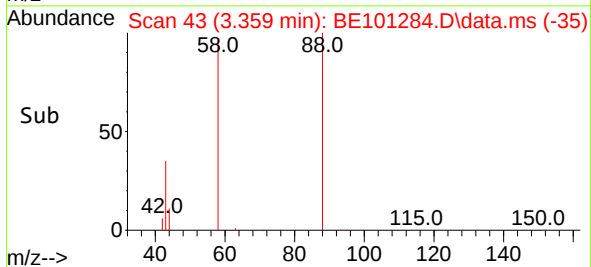
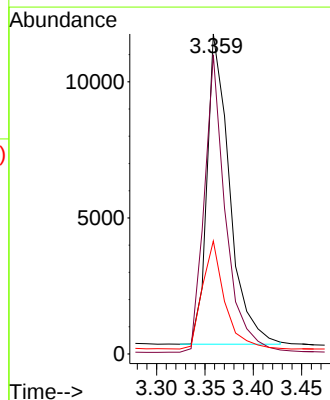
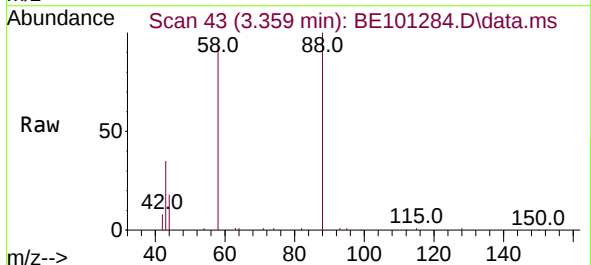
Instrument :
 BNA_E
 ClientSampleId :
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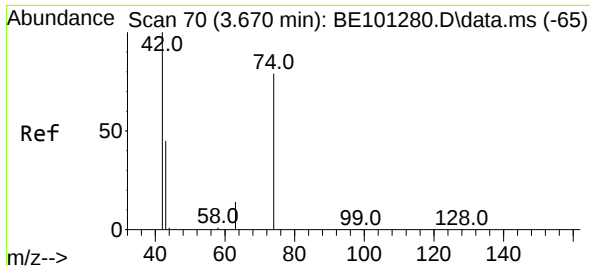
Tgt Ion:152 Resp: 2650
 Ion Ratio Lower Upper
 152 100
 150 154.9 116.9 175.3
 115 65.3 44.5 66.7



#2
 1,4-Dioxane
 Concen: 4.58 ng
 RT: 3.359 min Scan# 43
 Delta R.T. -0.012 min
 Lab File: BE101284.D
 Acq: 12 Apr 2021 16:52

Tgt Ion: 88 Resp: 18522
 Ion Ratio Lower Upper
 88 100
 58 90.4 73.6 110.4
 43 34.1 27.6 41.4

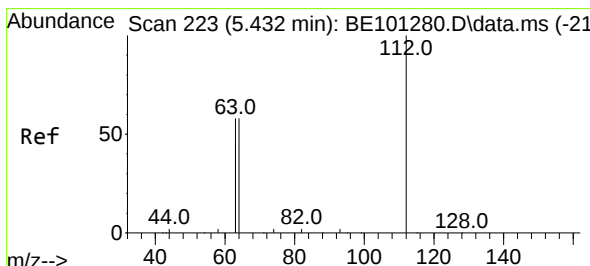
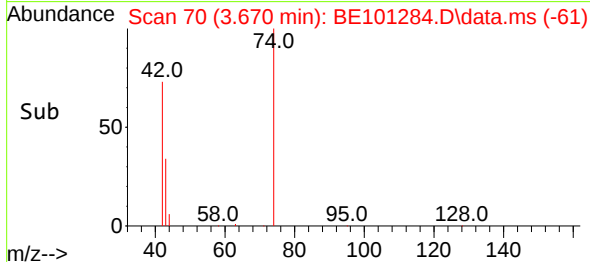
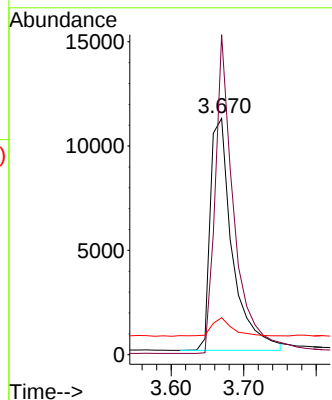
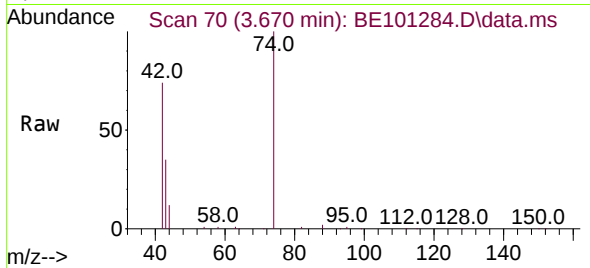




#3
n-Nitrosodimethylamine
Concen: 5.56 ng
RT: 3.670 min Scan# 70
Delta R.T. -0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

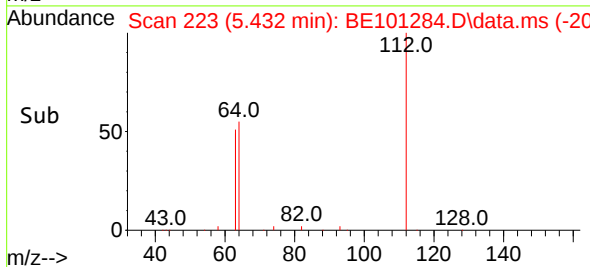
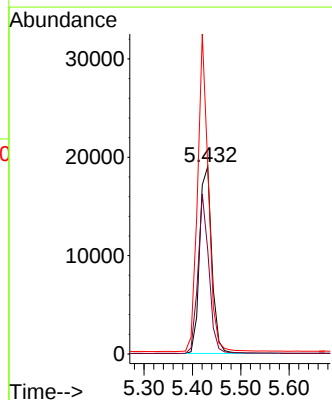
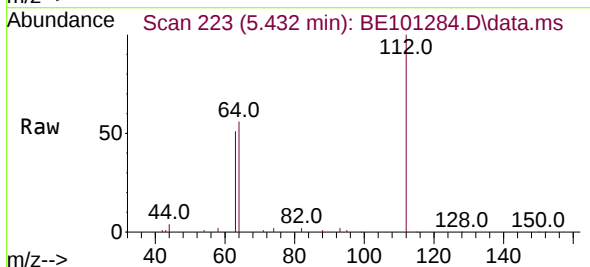
Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

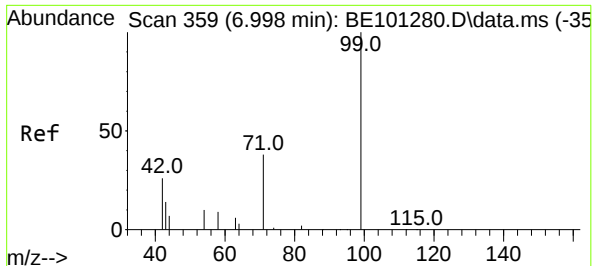
Tgt Ion: 42 Resp: 23509
Ion Ratio Lower Upper
42 100
74 116.9 92.7 139.1
44 7.7 10.7 16.1#



#4
2-Fluorophenol
Concen: 5.38 ng
RT: 5.432 min Scan# 223
Delta R.T. -0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion: 112 Resp: 33555
Ion Ratio Lower Upper
112 100
64 76.5 62.3 93.5
63 150.0 117.3 175.9

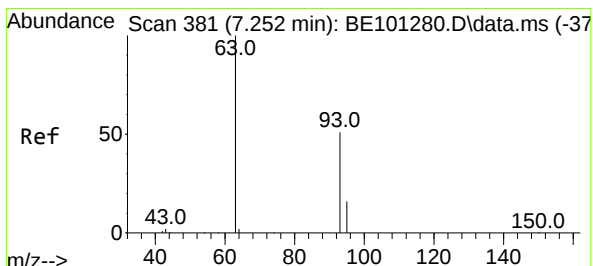
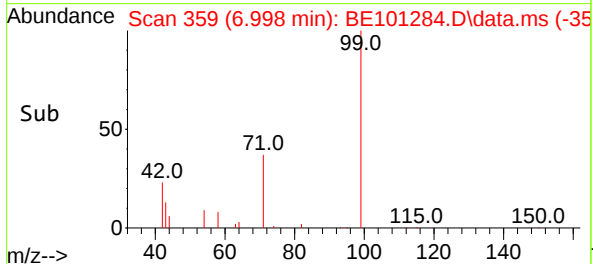
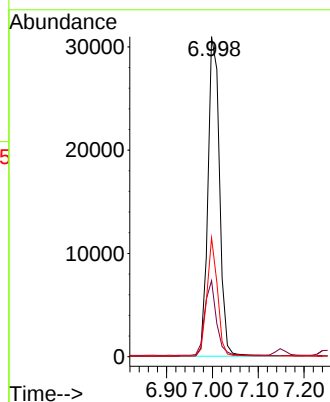
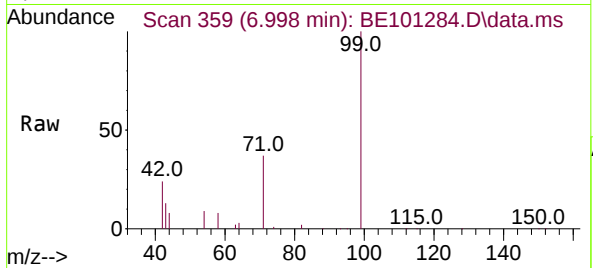




#5
Phenol-d6
Concen: 5.57 ng
RT: 6.998 min Scan# 359
Delta R.T. -0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

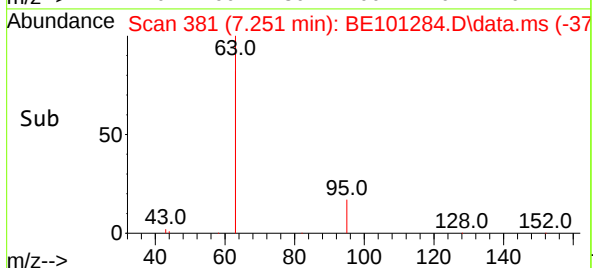
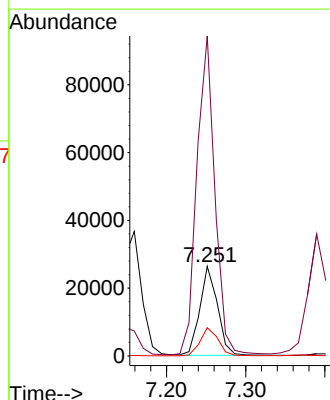
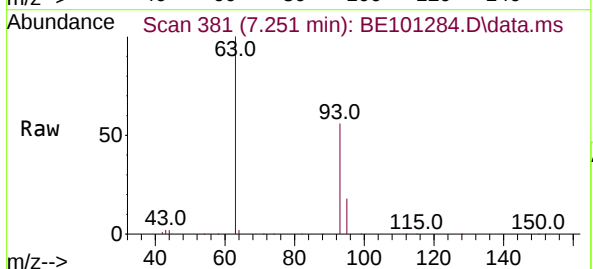
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BNA_E
ClientSampleId :
SSTDICC5.0

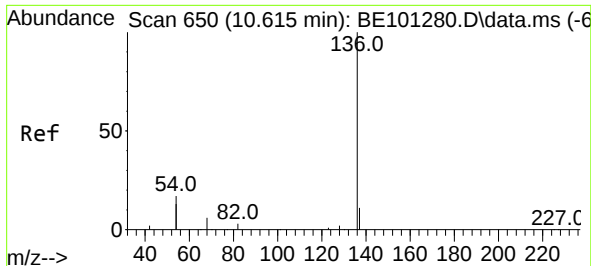
Tgt Ion: 99 Resp: 54533
Ion Ratio Lower Upper
99 100
42 23.3 18.5 27.7
71 33.6 26.5 39.7



#6
bis(2-Chloroethyl)ether
Concen: 4.50 ng
RT: 7.251 min Scan# 381
Delta R.T. -0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion: 93 Resp: 40664
Ion Ratio Lower Upper
93 100
63 366.9 292.5 438.7
95 32.3 25.7 38.5

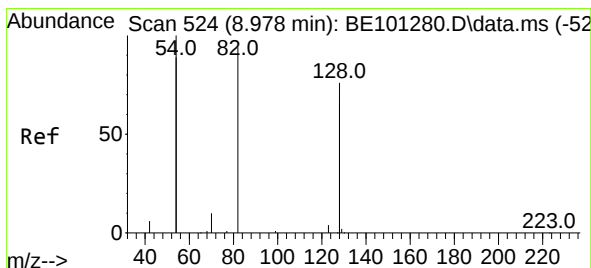
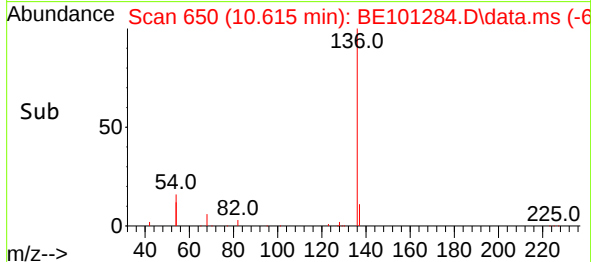
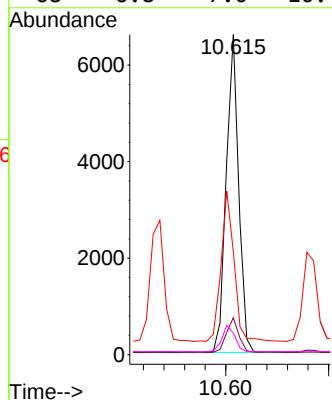
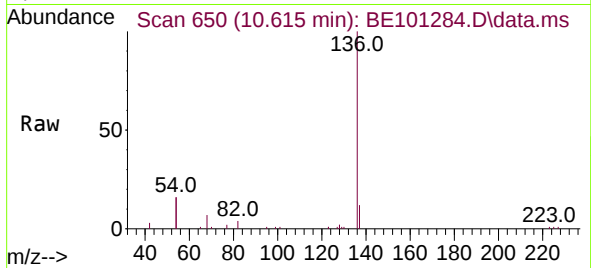




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.615 min Scan# 650
Delta R.T. -0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

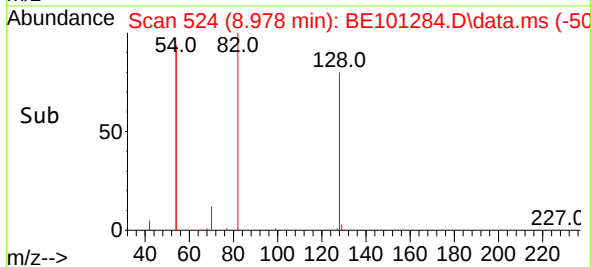
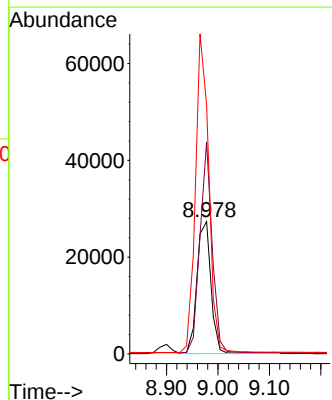
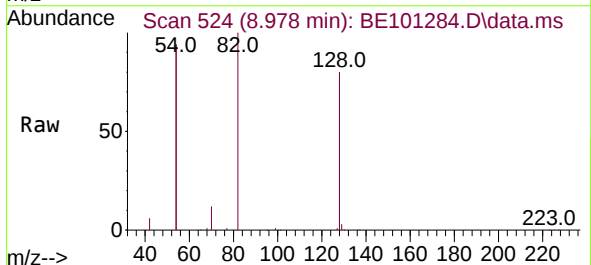
Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

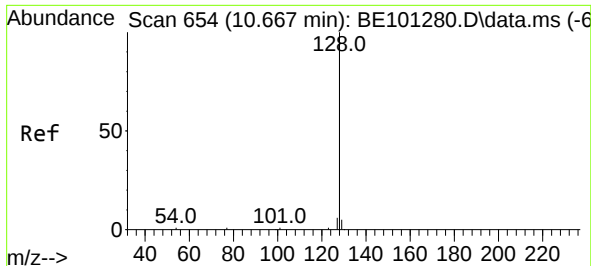
Tgt Ion:	136	Resp:	11061
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.6	13.0
54	32.2	34.7	52.1#
68	6.8	7.0	10.4#



#8
Nitrobenzene-d5
Concen: 6.29 ng
RT: 8.978 min Scan# 524
Delta R.T. -0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:	82	Resp:	51669
Ion Ratio	Lower	Upper	
82	100		
128	160.3	118.7	178.1
54	188.3	164.4	246.6

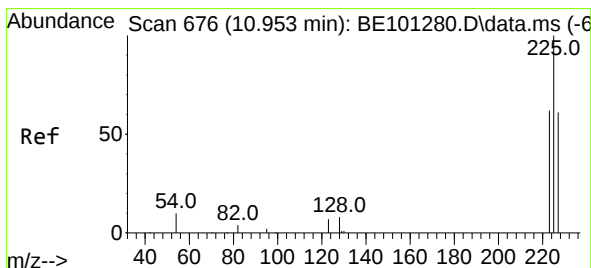
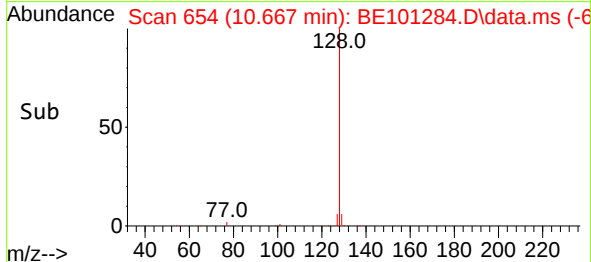
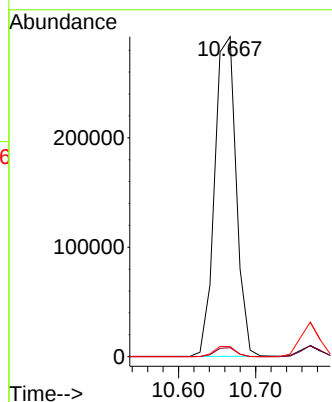
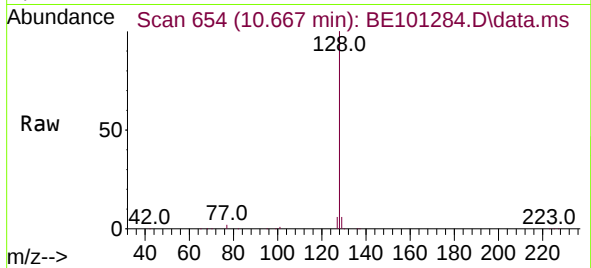




#9
Naphthalene
Concen: 4.71 ng
RT: 10.667 min Scan# 654
Delta R.T. -0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

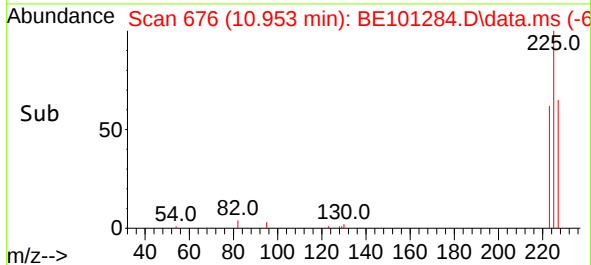
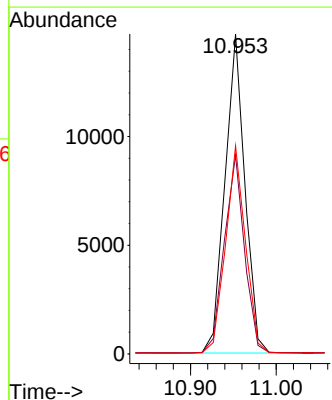
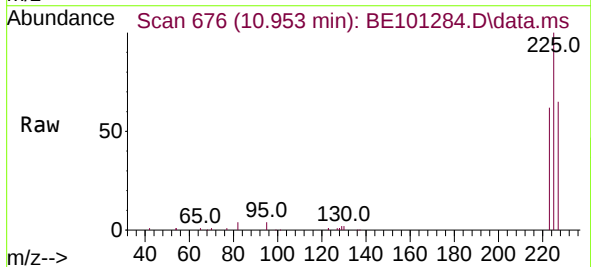
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BNA_E
ClientSampleId :
SSTDICC5.0

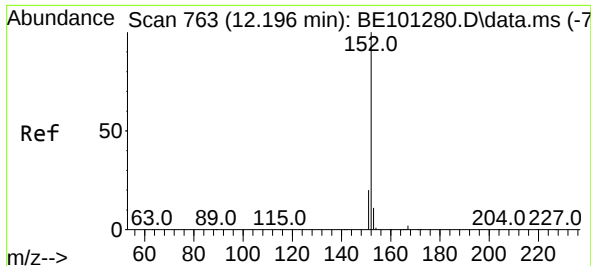
Tgt Ion:128	Resp: 566160
Ion Ratio	Lower Upper
128 100	
129 2.8	2.2 3.4
127 3.1	2.6 3.8



#10
Hexachlorobutadiene
Concen: 4.47 ng
RT: 10.953 min Scan# 676
Delta R.T. -0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:225	Resp: 23687
Ion Ratio	Lower Upper
225 100	
223 62.6	50.4 75.6
227 64.6	50.1 75.1

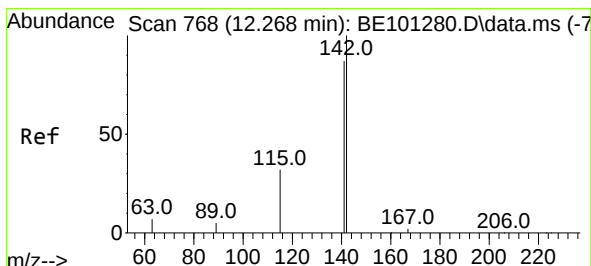
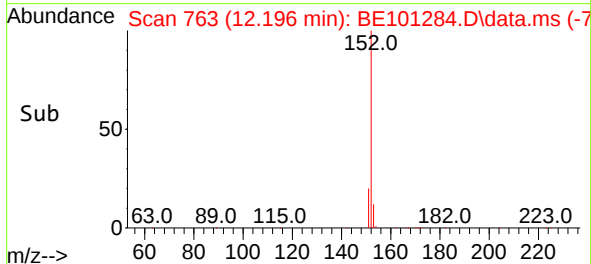
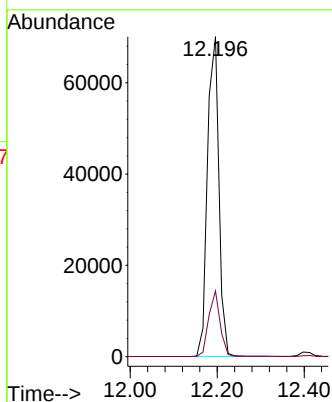
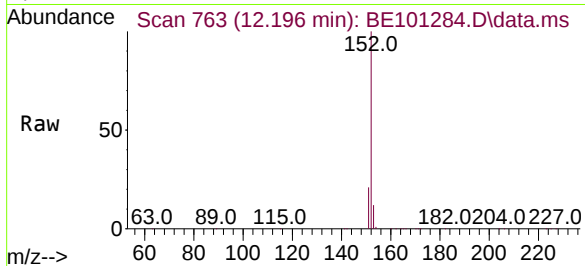




#11
2-Methylnaphthalene-d10
Concen: 4.98 ng
RT: 12.196 min Scan# 763
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

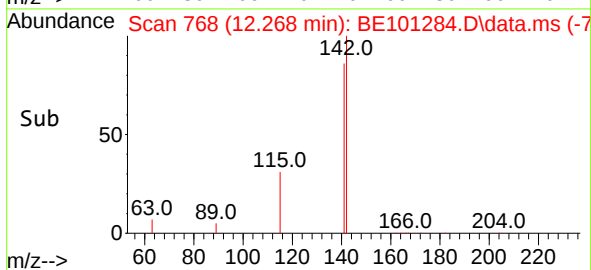
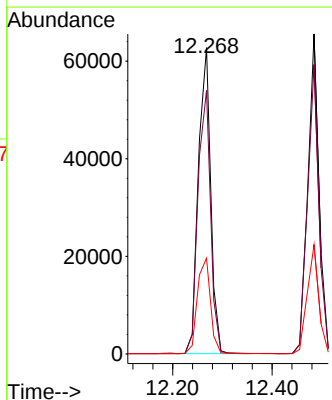
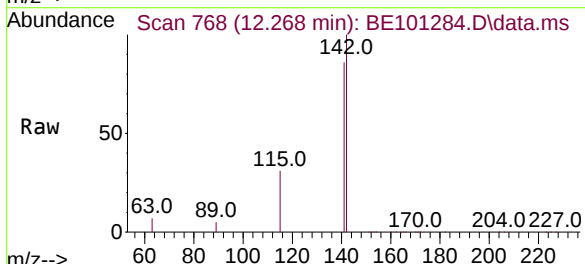
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ClientSampleId :
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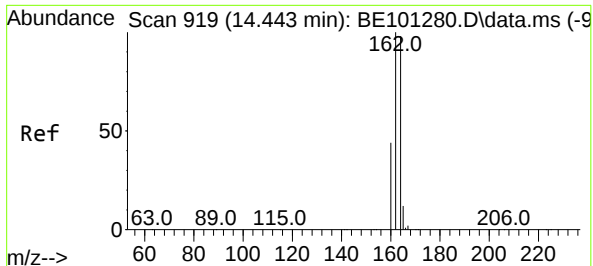
Tgt Ion:152 Resp: 128094
Ion Ratio Lower Upper
152 100
151 20.4 16.5 24.7



#12
2-Methylnaphthalene
Concen: 5.00 ng
RT: 12.268 min Scan# 768
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:142 Resp: 108118
Ion Ratio Lower Upper
142 100
141 86.0 73.0 109.6
115 31.3 27.8 41.8

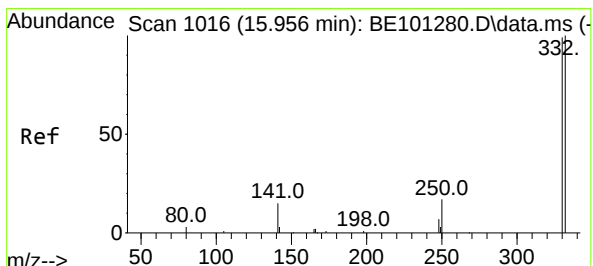
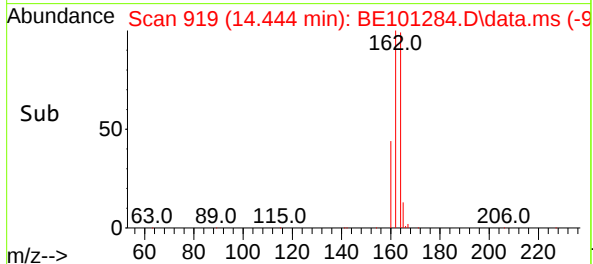
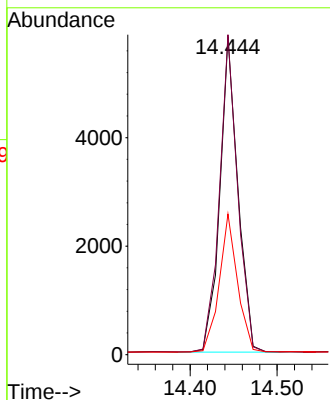
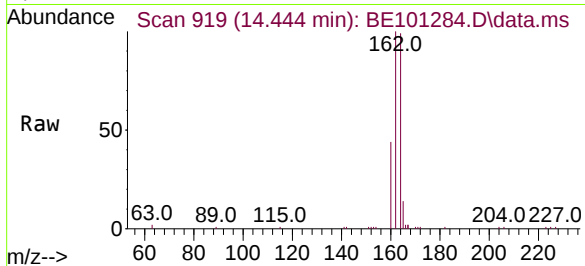




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.444 min Scan# 919
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

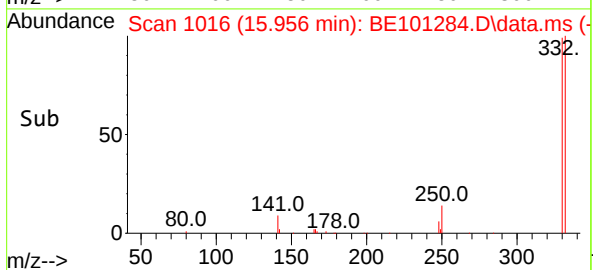
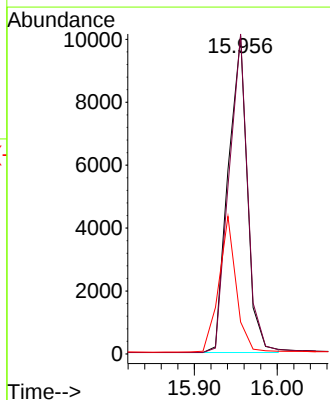
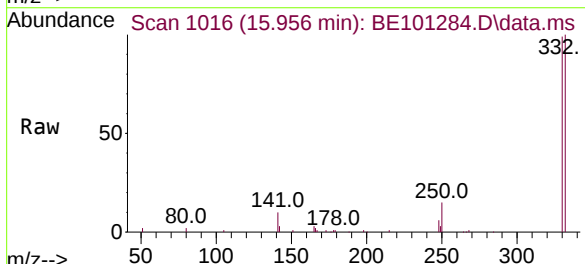
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ClientSampleId :
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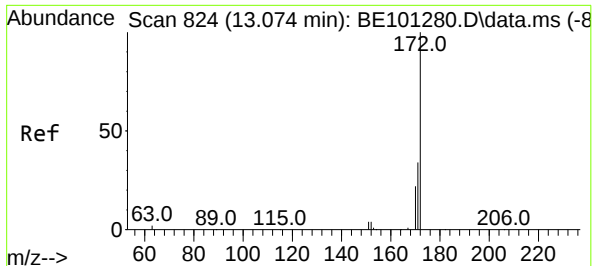
Tgt Ion:	164	Resp:	8369
Ion	Ratio	Lower	Upper
164	100		
162	100.7	85.3	127.9
160	44.3	39.1	58.7



#14
2,4,6-Tribromophenol
Concen: 7.20 ng
RT: 15.956 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:	330	Resp:	16148
Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.8	116.6
141	38.8	30.4	45.6

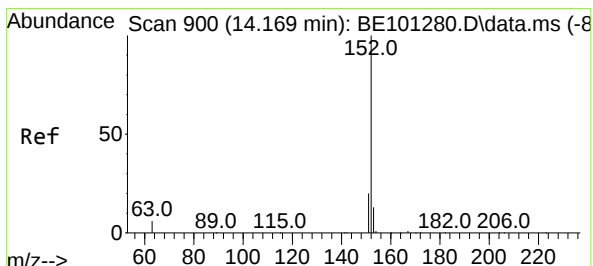
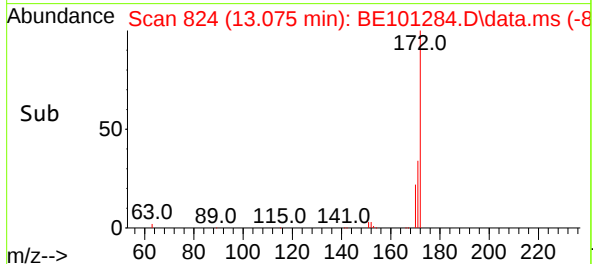
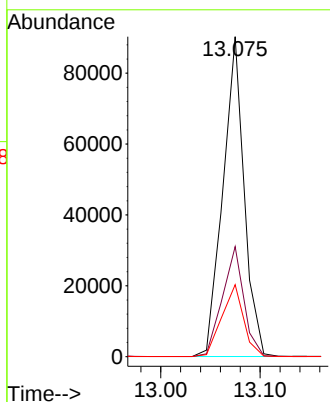
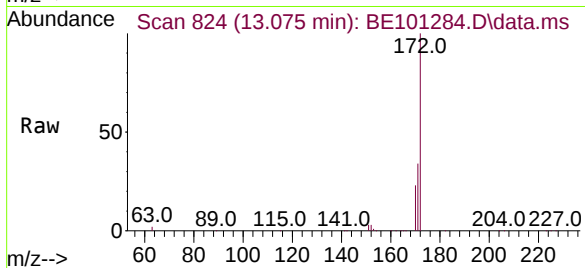




#15
2-Fluorobiphenyl
Concen: 4.46 ng
RT: 13.075 min Scan# 824
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

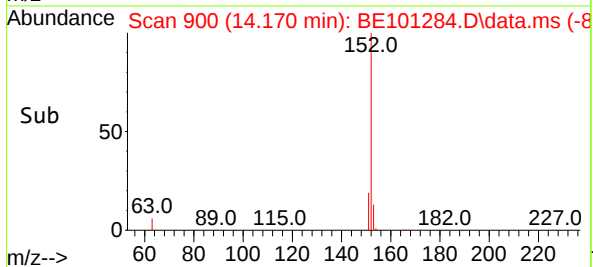
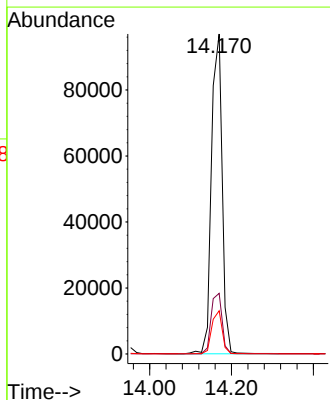
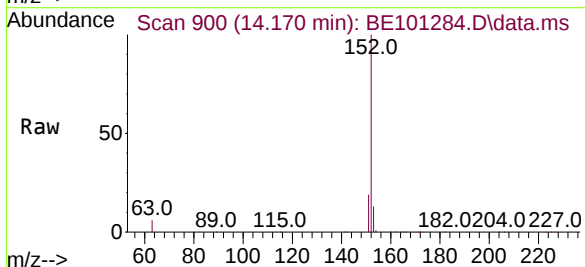
Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

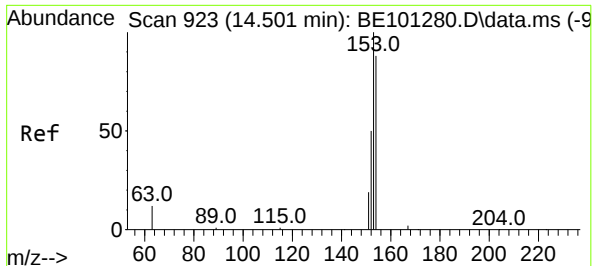
Tgt Ion:172	Resp:	134005
Ion Ratio	Lower	Upper
172	100	
171	34.4	28.7 43.1
170	22.5	19.3 28.9



#16
Acenaphthylene
Concen: 5.39 ng
RT: 14.170 min Scan# 900
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:152	Resp:	175761
Ion Ratio	Lower	Upper
152	100	
151	19.6	15.4 23.2
153	13.2	10.0 15.0

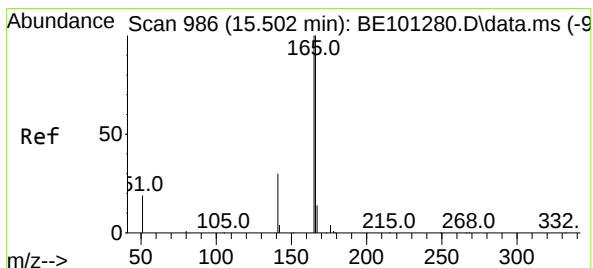
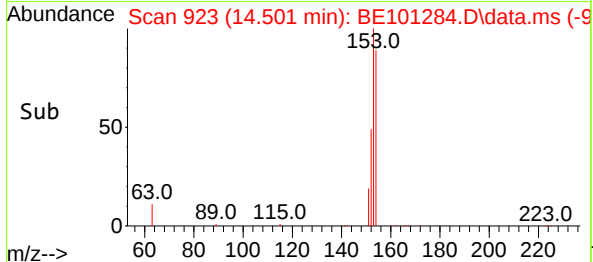
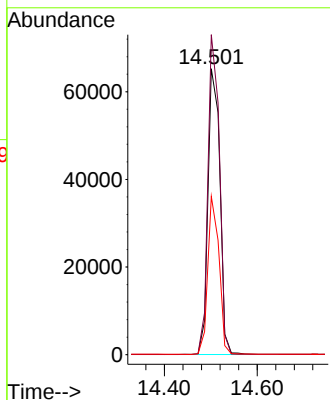
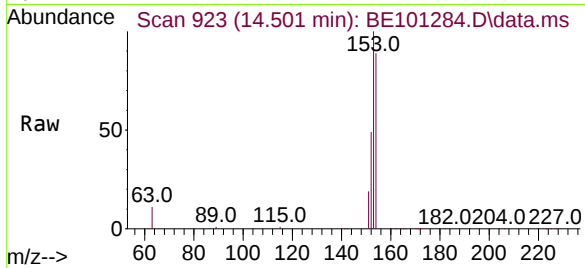




#17
Acenaphthene
Concen: 4.73 ng
RT: 14.501 min Scan# 923
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

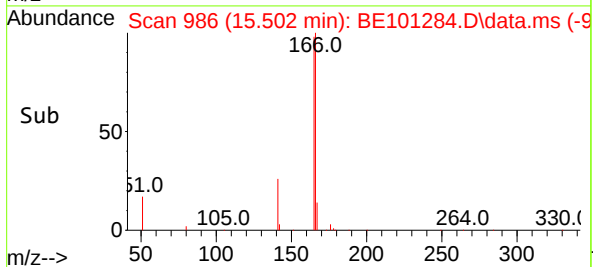
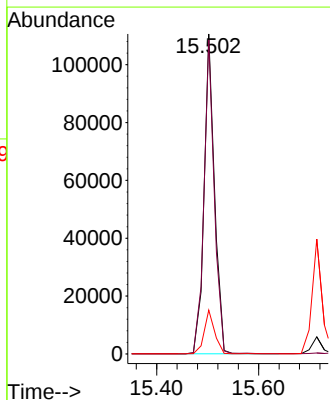
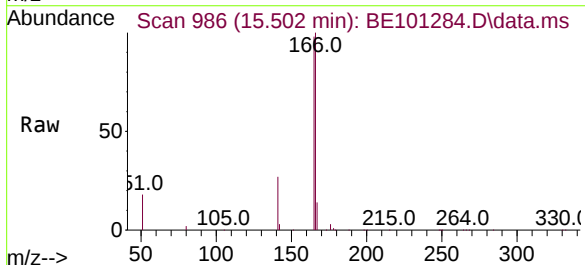
Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

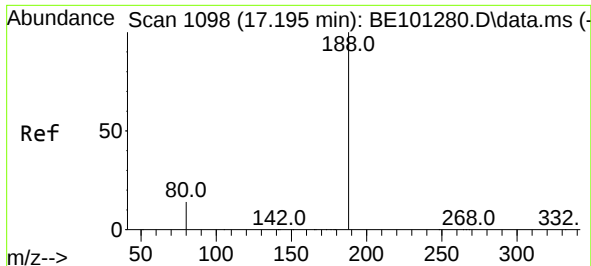
Tgt Ion:154 Resp: 115640
Ion Ratio Lower Upper
154 100
153 108.4 84.9 127.3
152 52.2 42.7 64.1



#18
Fluorene
Concen: 4.80 ng
RT: 15.502 min Scan# 986
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:166 Resp: 157311
Ion Ratio Lower Upper
166 100
165 97.5 79.0 118.4
167 13.6 11.0 16.4

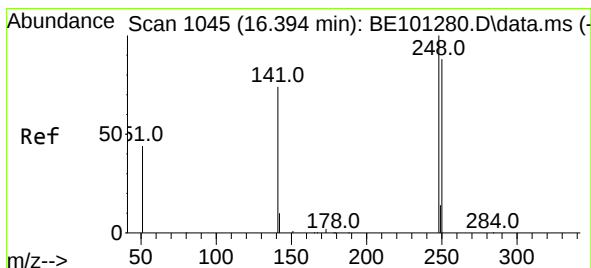
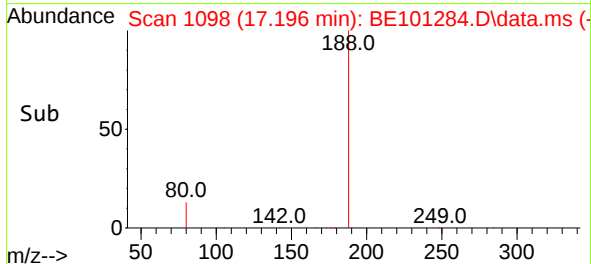
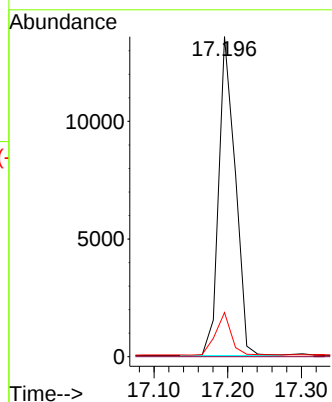
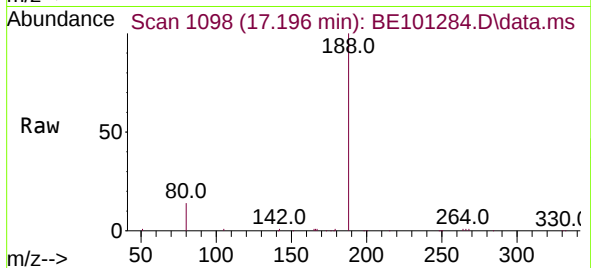




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.196 min Scan# 1098
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

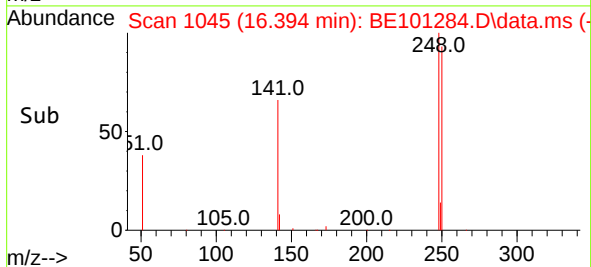
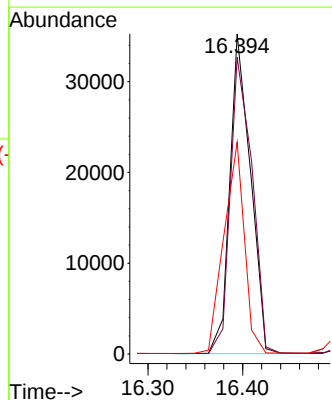
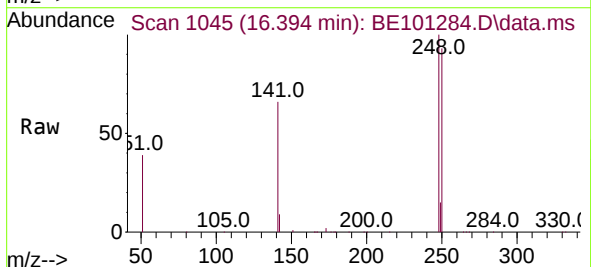
Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

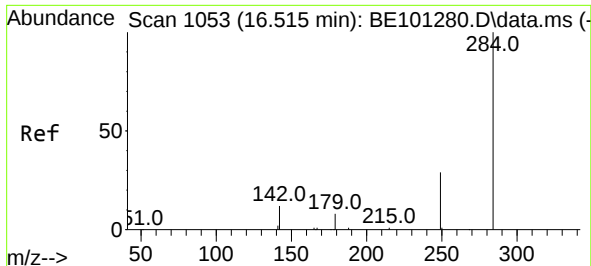
Tgt Ion:188 Resp: 21170
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.8 4.6 6.8#



#21
4-Bromophenyl-phenylether
Concen: 5.07 ng
RT: 16.394 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:248 Resp: 53121
Ion Ratio Lower Upper
248 100
250 92.7 84.5 126.7
141 66.2 19.8 29.8#

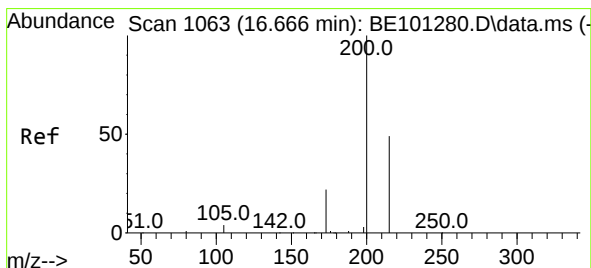
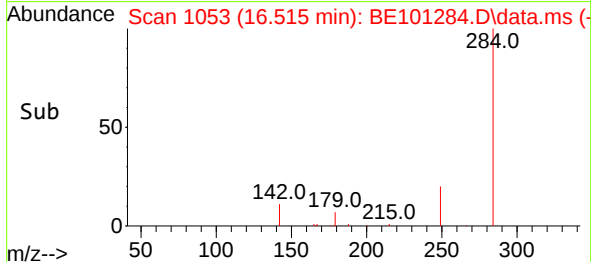
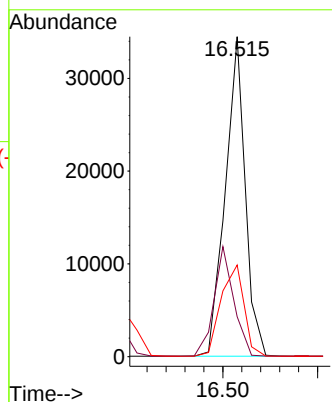
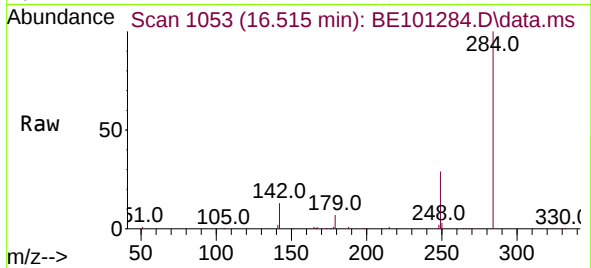




#22
Hexachlorobenzene
Concen: 4.76 ng
RT: 16.515 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

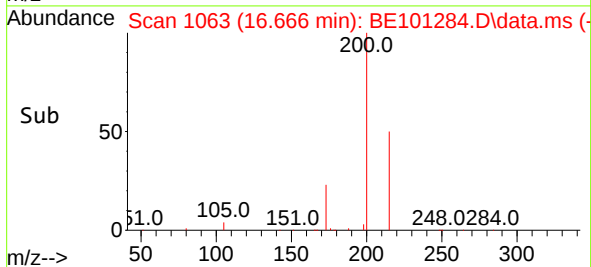
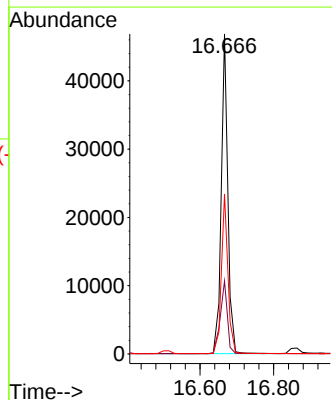
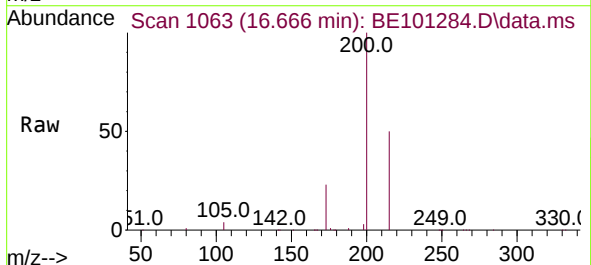
Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

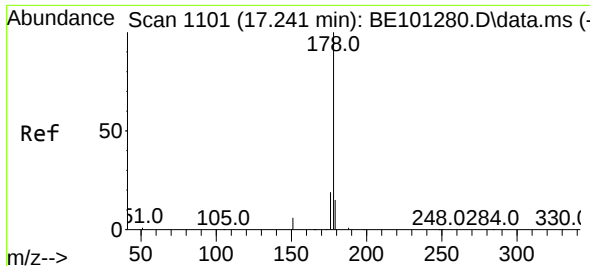
Tgt Ion:284 Resp: 50346
Ion Ratio Lower Upper
284 100
142 33.9 27.4 41.0
249 33.0 26.5 39.7



#23
Atrazine
Concen: 8.03 ng
RT: 16.666 min Scan# 1063
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:200 Resp: 57415
Ion Ratio Lower Upper
200 100
173 22.8 21.9 32.9
215 50.0 38.6 57.8

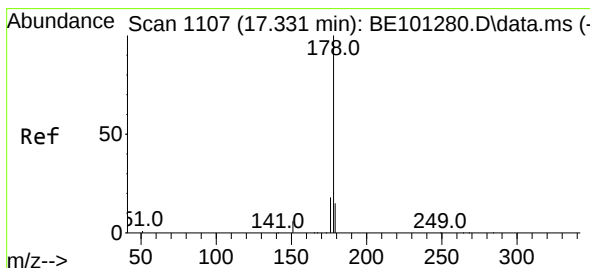
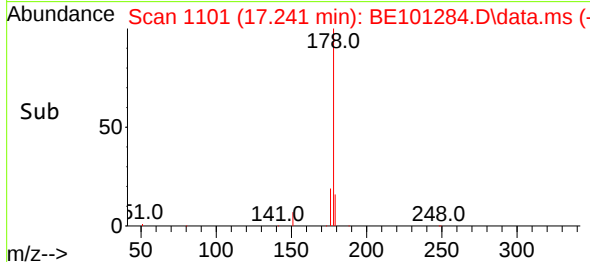
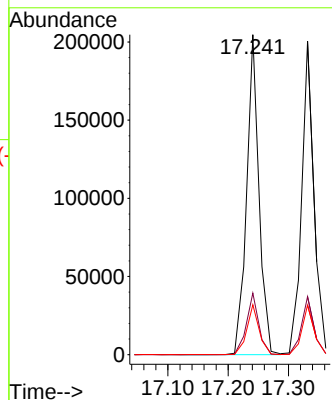
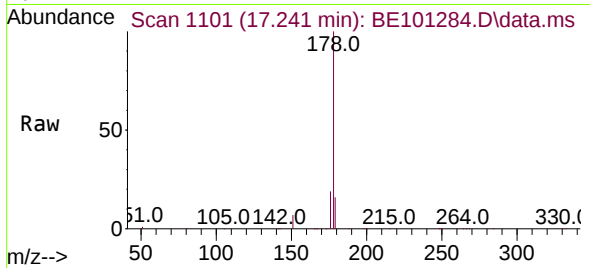




#25
Phenanthrene
Concen: 4.64 ng
RT: 17.241 min Scan# 1101
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

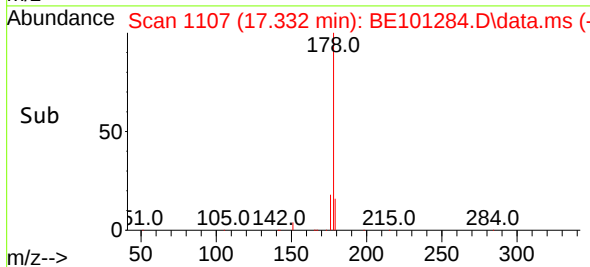
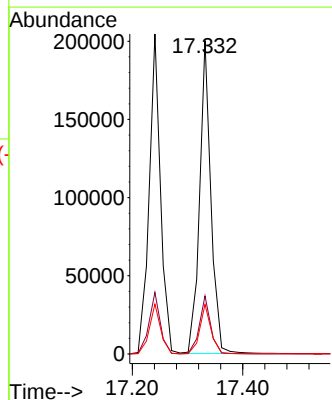
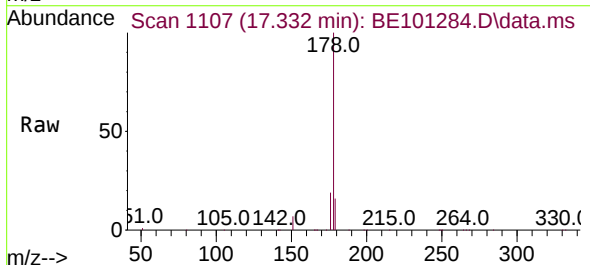
Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

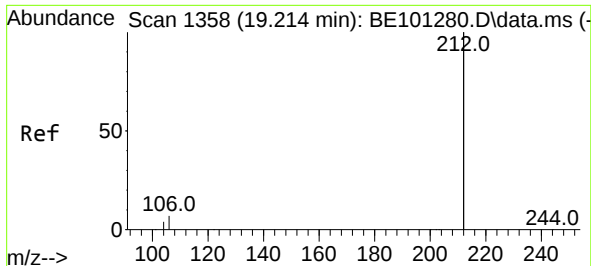
Tgt Ion:178 Resp: 290812
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.5 12.2 18.4



#26
Anthracene
Concen: 5.32 ng
RT: 17.332 min Scan# 1107
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:178 Resp: 284620
Ion Ratio Lower Upper
178 100
176 18.4 14.4 21.6
179 15.7 11.8 17.8

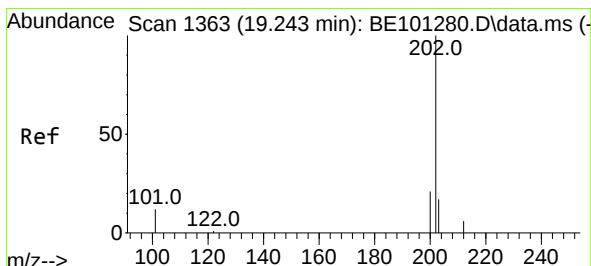
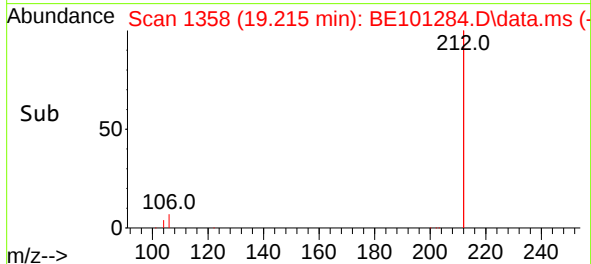
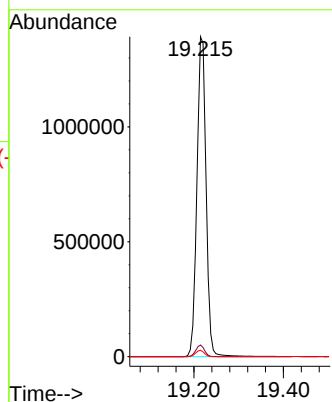
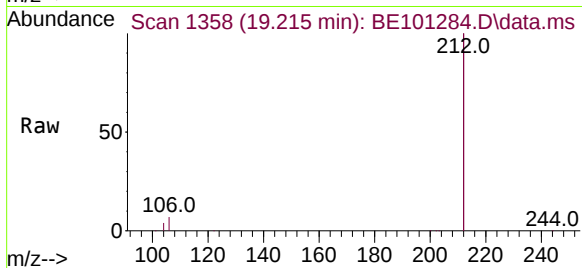




#27
Fluoranthene-d10
Concen: 5.40 ng
RT: 19.215 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

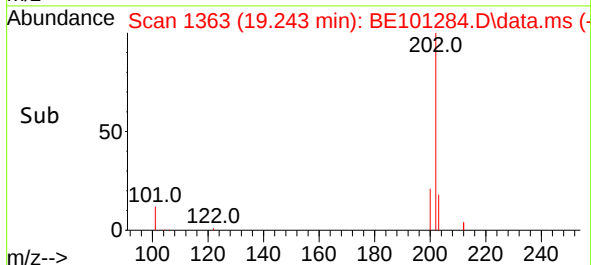
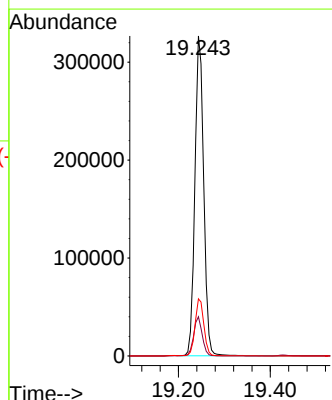
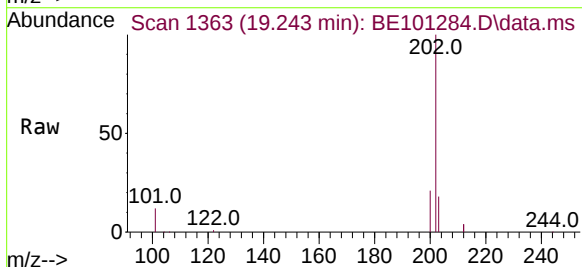
Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

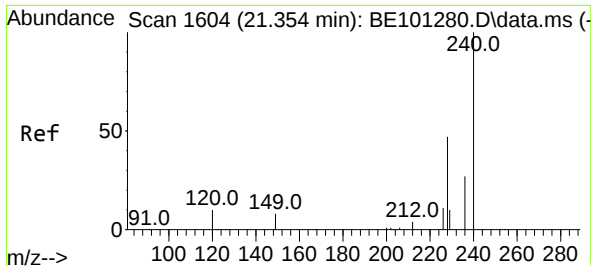
Tgt Ion:212 Resp: 1982186
Ion Ratio Lower Upper
212 100
106 3.5 2.6 4.0
104 1.9 1.4 2.2



#28
Fluoranthene
Concen: 5.31 ng
RT: 19.243 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:202 Resp: 432935
Ion Ratio Lower Upper
202 100
101 12.0 9.1 13.7
203 17.9 13.6 20.4

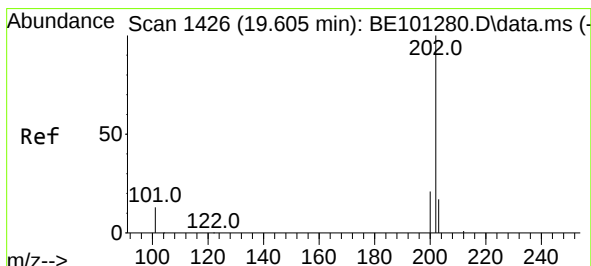
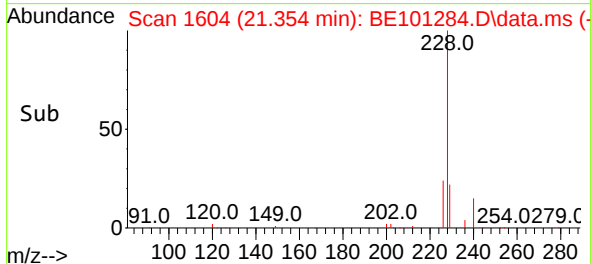
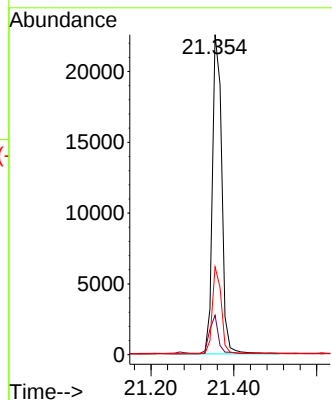
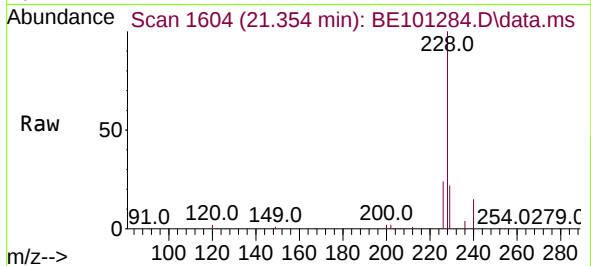




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.354 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

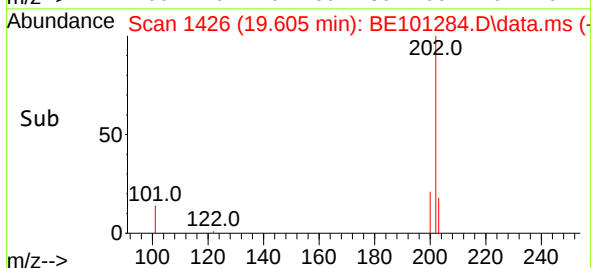
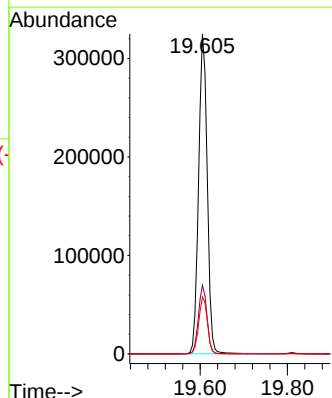
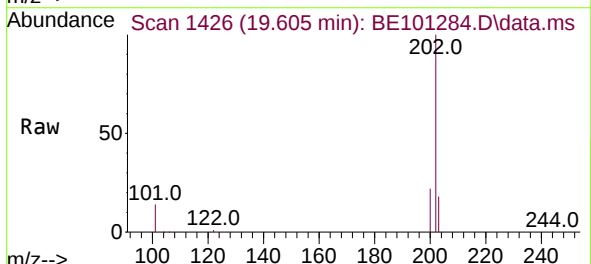
Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

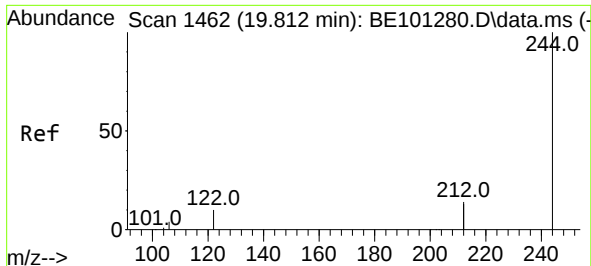
Tgt Ion:240 Resp: 35411
Ion Ratio Lower Upper
240 100
120 12.3 10.2 15.4
236 27.5 21.7 32.5



#30
Pyrene
Concen: 3.49 ng
RT: 19.605 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:202 Resp: 446686
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 18.0 13.8 20.8

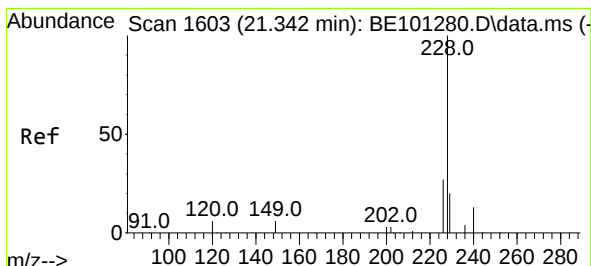
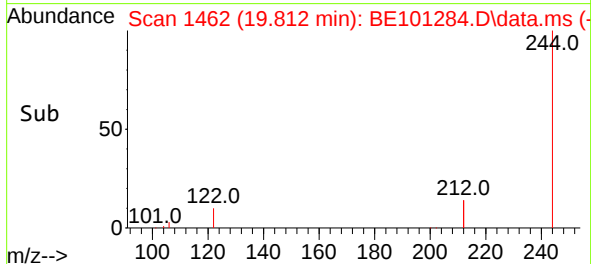
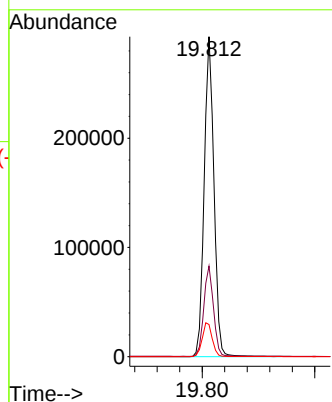
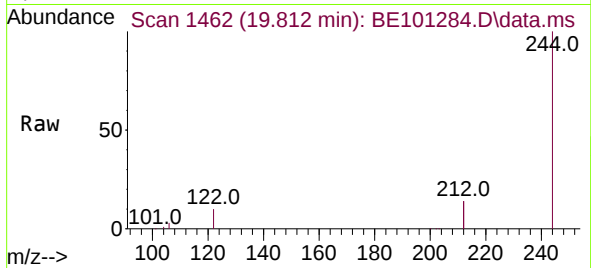




#31
 Terphenyl-d14
 Concen: 3.72 ng
 RT: 19.812 min Scan# 1462
 Delta R.T. 0.000 min
 Lab File: BE101284.D
 Acq: 12 Apr 2021 16:52

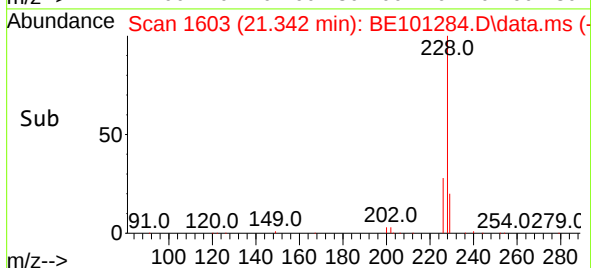
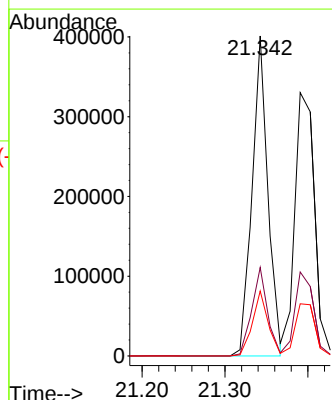
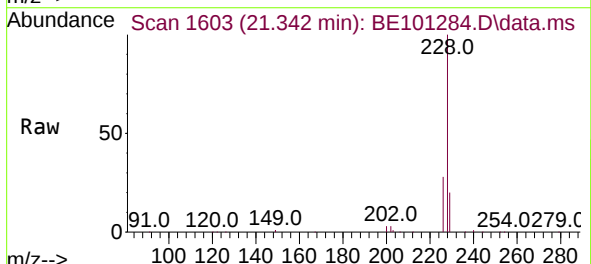
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC5.0

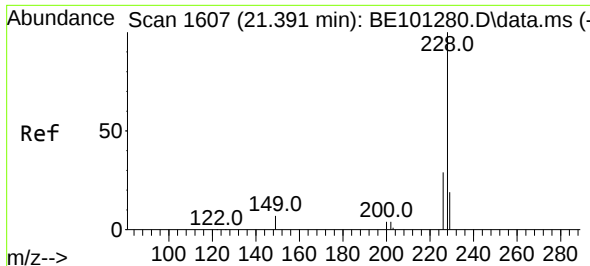
Tgt Ion:244 Resp: 352877
 Ion Ratio Lower Upper
 244 100
 212 28.3 21.9 32.9
 122 10.1 7.3 10.9



#32
 Benzo(a)anthracene
 Concen: 5.37 ng
 RT: 21.342 min Scan# 1603
 Delta R.T. 0.000 min
 Lab File: BE101284.D
 Acq: 12 Apr 2021 16:52

Tgt Ion:228 Resp: 533756
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.4 32.2
 229 20.3 15.7 23.5

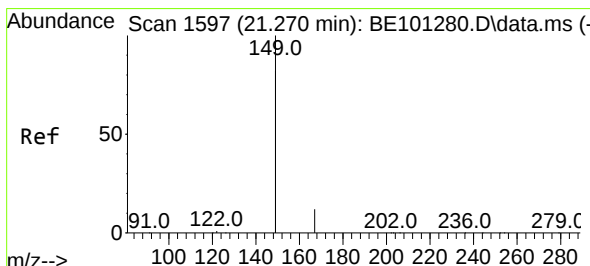
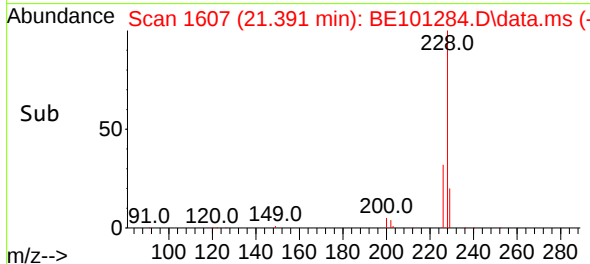
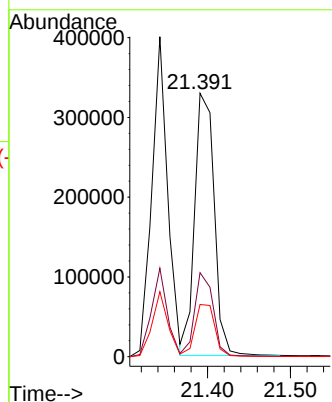
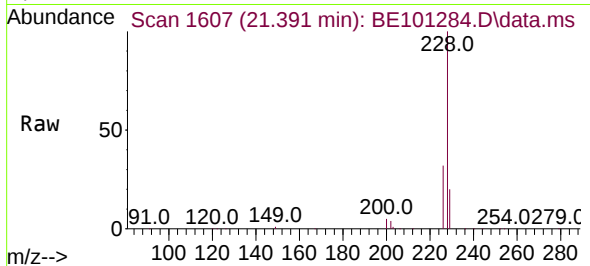




#33
Chrysene
Concen: 4.55 ng
RT: 21.391 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

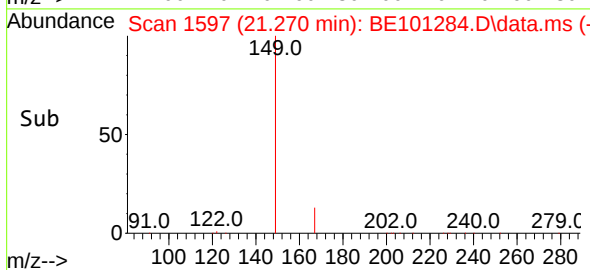
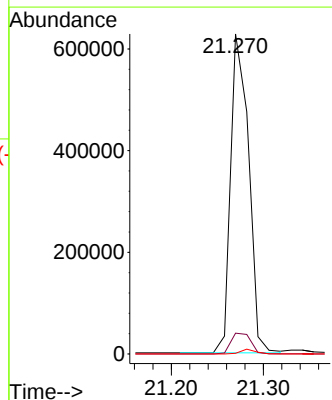
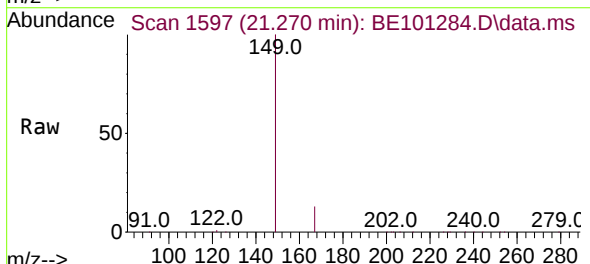
Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

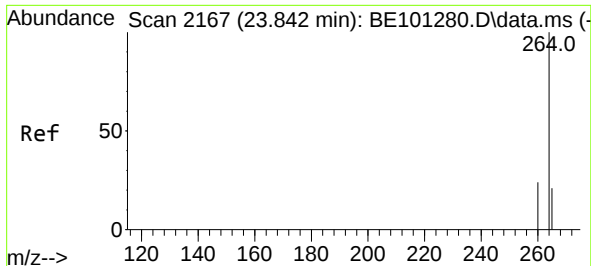
Tgt Ion:228 Resp: 538936
Ion Ratio Lower Upper
228 100
226 31.9 24.8 37.2
229 19.8 15.2 22.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 11.83 ng
RT: 21.270 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:149 Resp: 852956
Ion Ratio Lower Upper
149 100
167 7.2 5.5 8.3
279 1.2 1.0 1.4

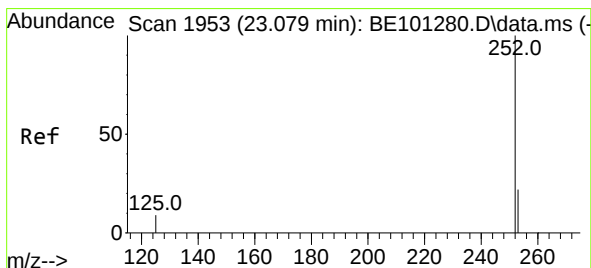
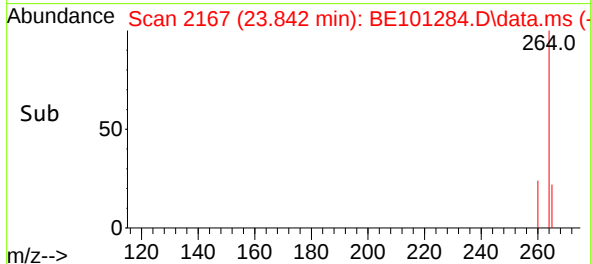
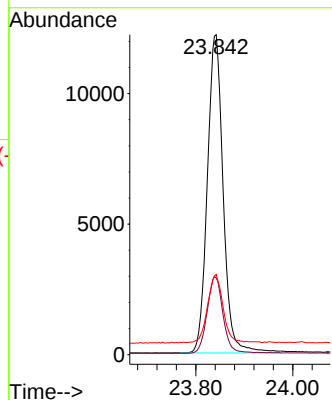
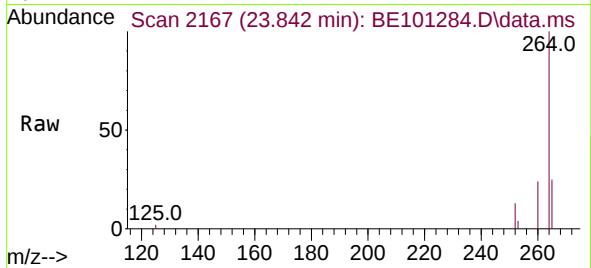




#36
Perylene-d12
Concen: 0.40 ng
RT: 23.842 min Scan# 2167
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

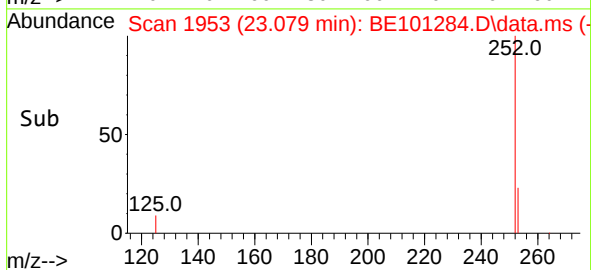
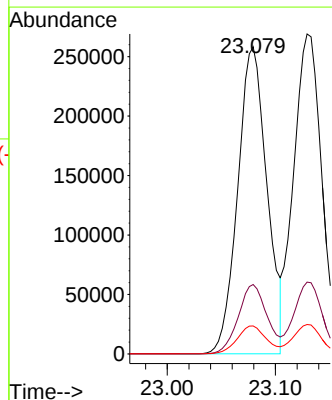
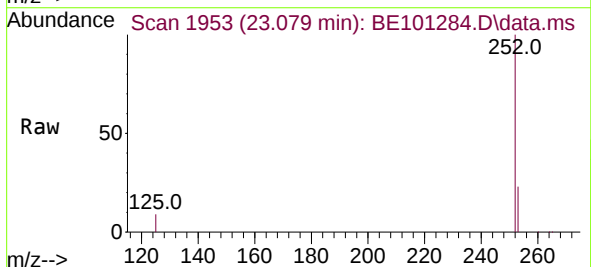
Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

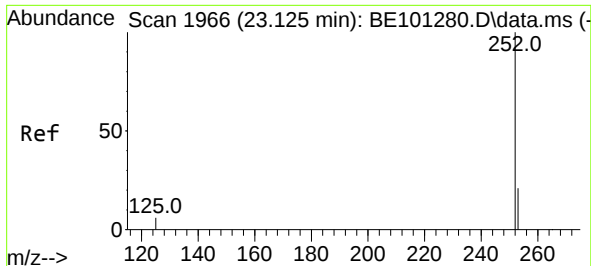
Tgt Ion:264 Resp: 27637
Ion Ratio Lower Upper
264 100
260 24.0 19.3 28.9
265 25.1 22.4 33.6



#37
Benzo(b)fluoranthene
Concen: 5.36 ng
RT: 23.079 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:252 Resp: 484668
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 9.1 7.6 11.4

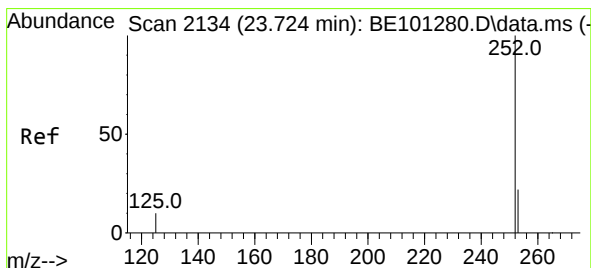
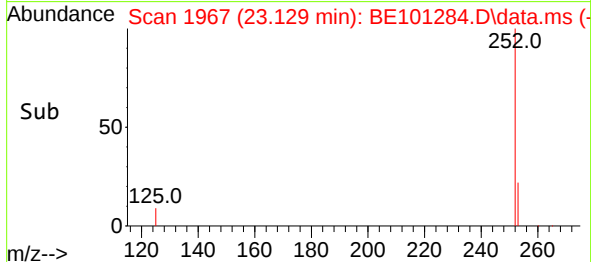
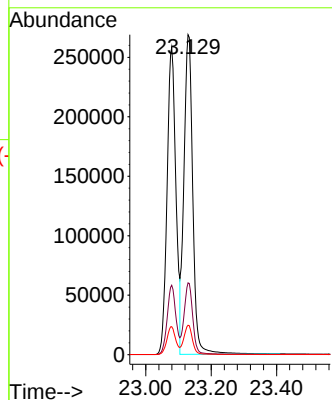
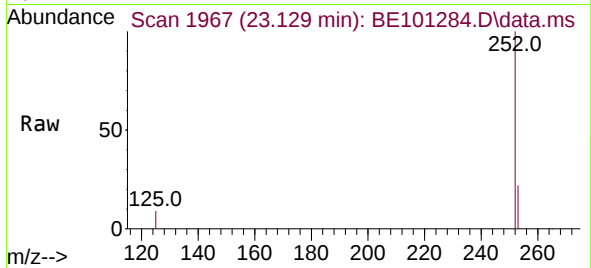




#38
Benzo(k)fluoranthene
Concen: 5.03 ng
RT: 23.129 min Scan# 1967
Delta R.T. 0.004 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

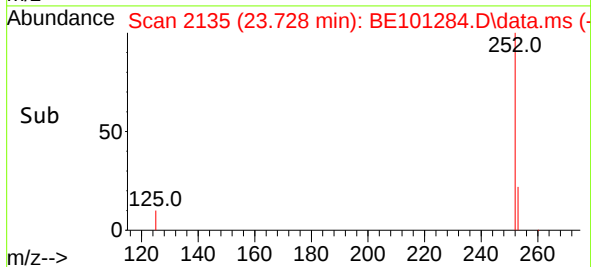
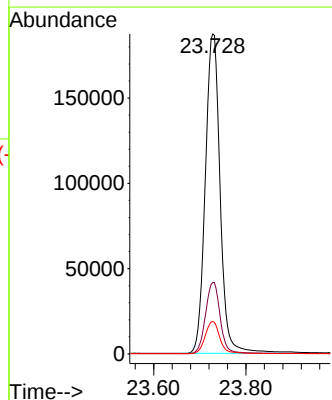
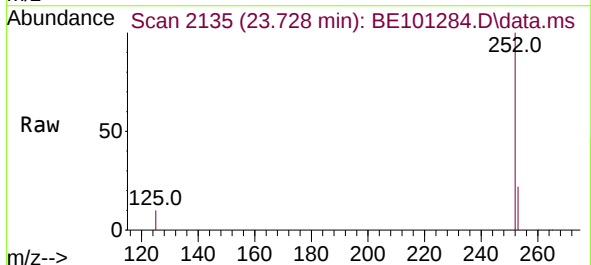
Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

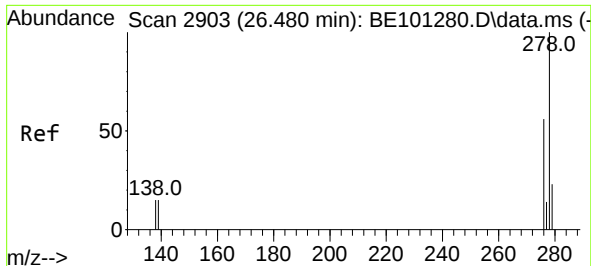
Tgt Ion:252 Resp: 505006
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 9.2 7.6 11.4



#39
Benzo(a)pyrene
Concen: 5.44 ng
RT: 23.728 min Scan# 2135
Delta R.T. 0.004 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:252 Resp: 418075
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 10.1 8.0 12.0

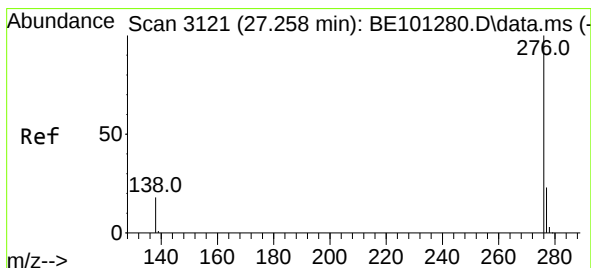
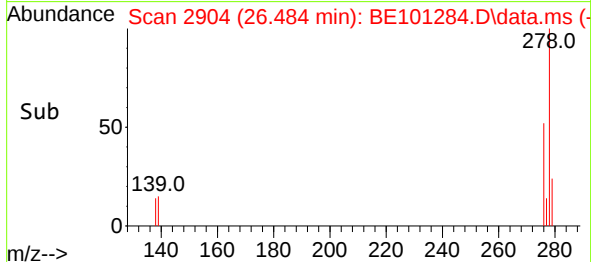
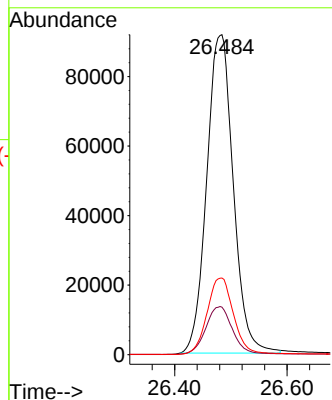
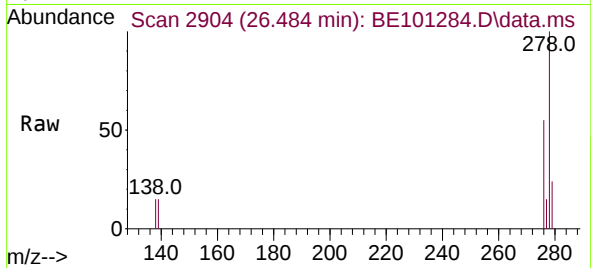




#40
Dibenzo(a,h)anthracene
Concen: 4.01 ng
RT: 26.484 min Scan# 2904
Delta R.T. 0.004 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:278 Resp: 300234
Ion Ratio Lower Upper
278 100
139 14.8 12.2 18.2
279 23.9 19.3 28.9



#41
Benzo(g,h,i)perylene
Concen: 3.72 ng
RT: 27.262 min Scan# 3122
Delta R.T. 0.004 min
Lab File: BE101284.D
Acq: 12 Apr 2021 16:52

Tgt Ion:276 Resp: 301937
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 19.1 15.2 22.8

