

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040921\
 Data File : BE101275.D
 Acq On : 9 Apr 2021 18:36
 Operator : CG/JU
 Sample : SP5533
 Misc : 8270 SIM SPIKE
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SP5533

Quant Time: Apr 10 00:41:23 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)

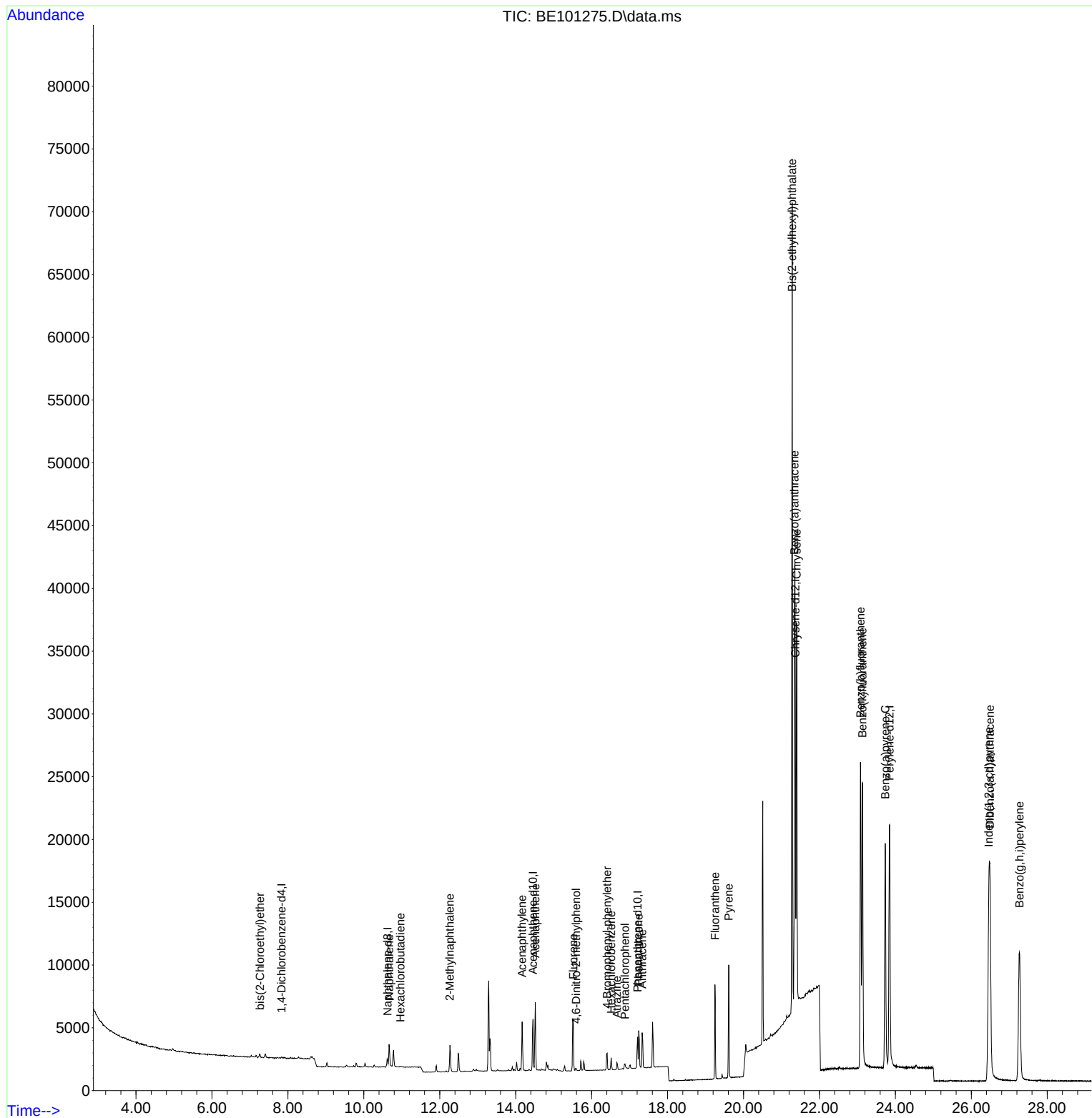
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.830	152	57	0.40	ng	# 0.00
7) Naphthalene-d8	10.627	136	812	0.40	ng	# 0.01
13) Acenaphthene-d10	14.458	164	2860	0.40	ng	0.01
19) Phenanthrene-d10	17.211	188	3564	0.40	ng	# 0.00
29) Chrysene-d12	21.367	240	23895	0.40	ng	# 0.01
36) Perylene-d12	23.844	264	30249	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.00	ng	
5) Phenol-d6	0.000	99	0d	0.00	ng	
8) Nitrobenzene-d5	0.000	82	0d	0.00	ng	
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.00	ng	
14) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ng	
15) 2-Fluorobiphenyl	0.000	172	0d	0.00	ng	
27) Fluoranthene-d10	0.000	212	0d	0.00	ng	
31) Terphenyl-d14	0.000	244	0d	0.00	ng	
Target Compounds						
						Qvalue
6) bis(2-Chloroethyl)ether	7.265	93	132	0.68	ng	# 68
9) Naphthalene	10.666	128	3250	0.37	ng	# 92
10) Hexachlorobutadiene	10.965	225	41	0.11	ng	# 69
12) 2-Methylnaphthalene	12.268	142	1720	1.08	ng	97
16) Acenaphthylene	14.170	152	4424	0.40	ng	100
17) Acenaphthene	14.516	154	2870	0.34	ng	97
18) Fluorene	15.517	166	2924	0.26	ng	99
20) 4,6-Dinitro-2-methylph...	15.593	198	210	0.57	ng	# 55
21) 4-Bromophenyl-phenylether	16.409	248	785	0.44	ng	# 91
22) Hexachlorobenzene	16.515	284	754	0.42	ng	96
23) Atrazine	16.666	200	519	0.43	ng	# 75
24) Pentachlorophenol	16.878	266	432	0.66	ng	97
25) Phenanthrene	17.241	178	3649	0.35	ng	96
26) Anthracene	17.332	178	3629	0.40	ng	98
28) Fluoranthene	19.249	202	6699	0.49	ng	98
30) Pyrene	19.611	202	8245	0.10	ng	100
32) Benzo(a)anthracene	21.342	228	28224	0.42	ng	99
33) Chrysene	21.403	228	26715	0.33	ng	97
34) Bis(2-ethylhexyl)phtha...	21.282	149	57091	1.17	ng	99
35) Indeno(1,2,3-cd)pyrene	26.459	276	30438	0.52	ng	100
37) Benzo(b)fluoranthene	23.081	252	34129	0.34	ng	98
38) Benzo(k)fluoranthene	23.131	252	34731	0.32	ng	98
39) Benzo(a)pyrene	23.733	252	29643	0.35	ng	97
40) Dibenzo(a,h)anthracene	26.491	278	24721	0.30	ng	97
41) Benzo(g,h,i)perylene	27.269	276	26589	0.30	ng	97

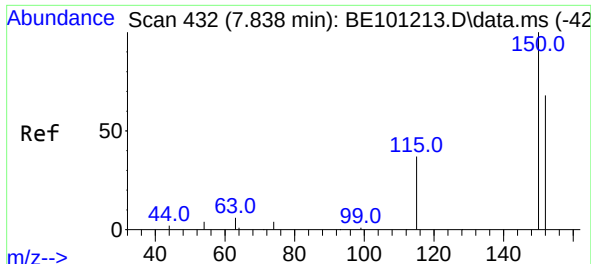
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 07 10:22:45 2021
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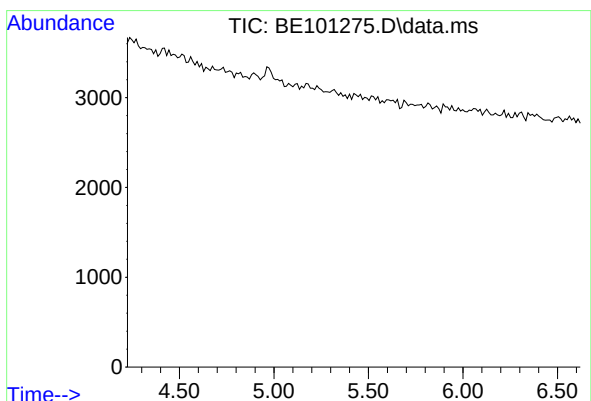
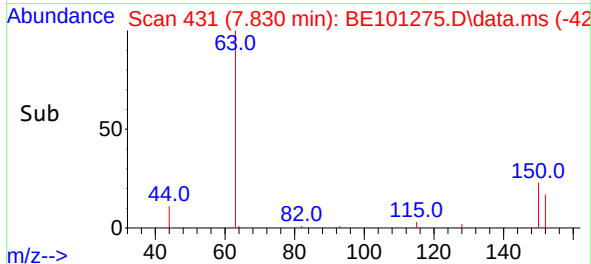
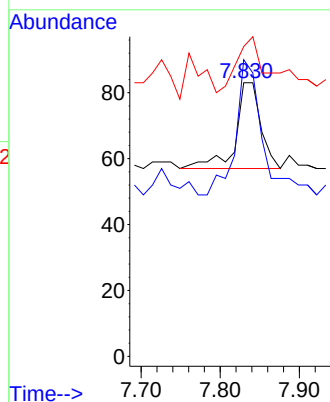
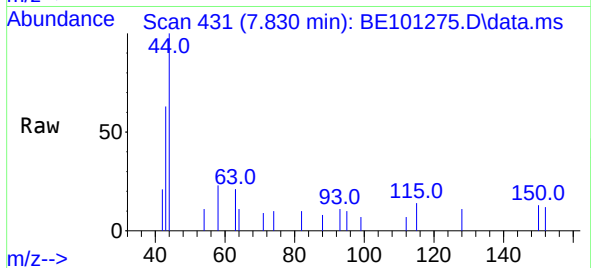




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.830 min Scan# 431
Delta R.T. -0.000 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Instrument :
BNA_E
ClientSampleId :
SP5533

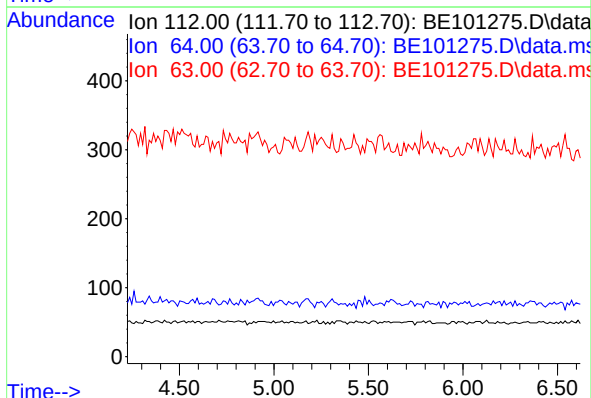
Tgt Ion:152 Resp: 57
Ion Ratio Lower Upper
152 100
150 108.4 116.9 175.3#
115 113.3 44.5 66.7#

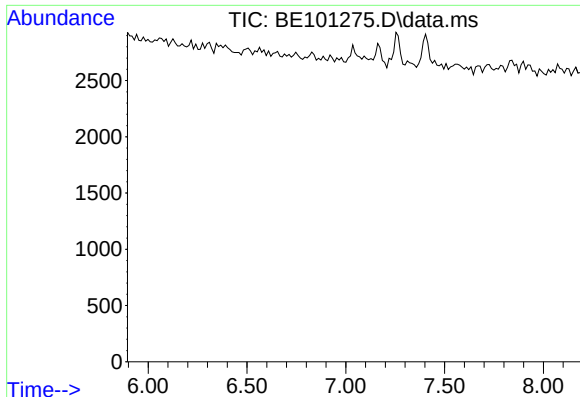


#4
2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.42 min

Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion: 112
Sig Exp Ratio
112 100
64 77.9
63 146.6



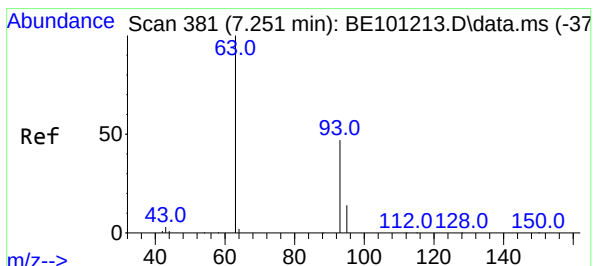
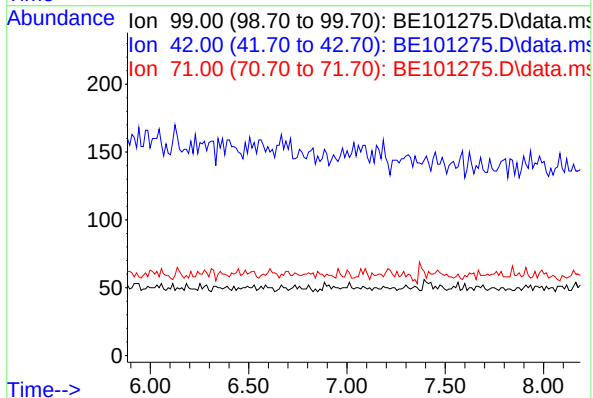


#5
Phenol-d6
Concen: 0.00 ng
Expected RT: 6.99 min

Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

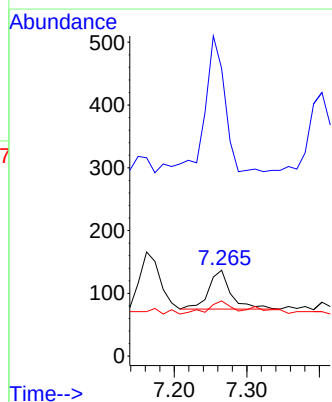
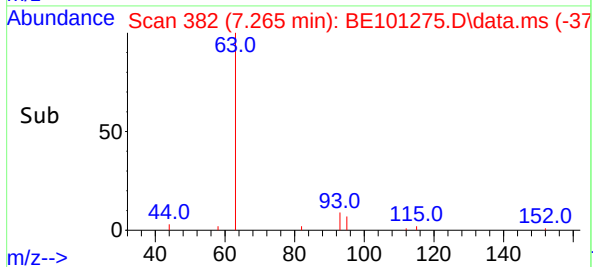
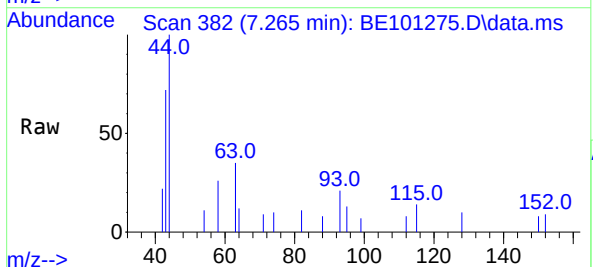
Instrument :
BNA_E
ClientSampleId :
SP5533

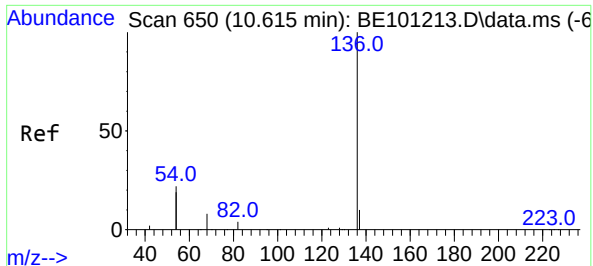
Tgt Ion: 99
Sig Exp Ratio
99 100
42 23.1
71 33.1



#6
bis(2-Chloroethyl)ether
Concen: 0.68 ng
RT: 7.265 min Scan# 382
Delta R.T. 0.012 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion: 93 Resp: 132
Ion Ratio Lower Upper
93 100
63 287.9 292.5 438.7#
95 34.8 25.7 38.5



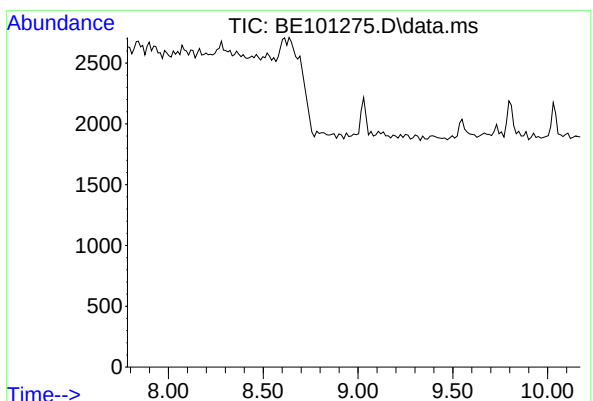
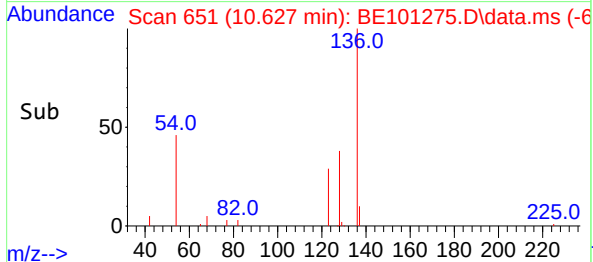
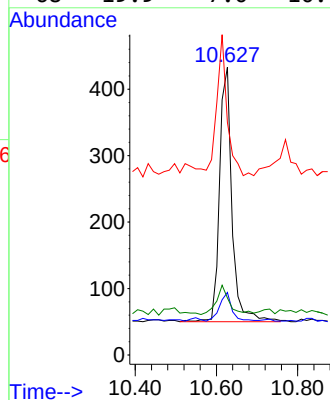
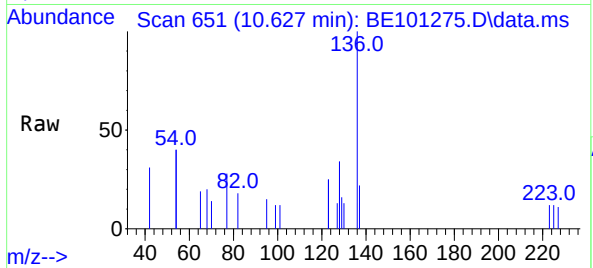


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.627 min Scan# 651
Delta R.T. 0.012 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Instrument :
BNA_E
ClientSampleId :
SP5533

Tgt Ion:136 Resp: 812

Ion	Ratio	Lower	Upper
136	100		
137	21.7	8.6	13.0#
54	80.8	34.7	52.1#
68	19.9	7.0	10.4#

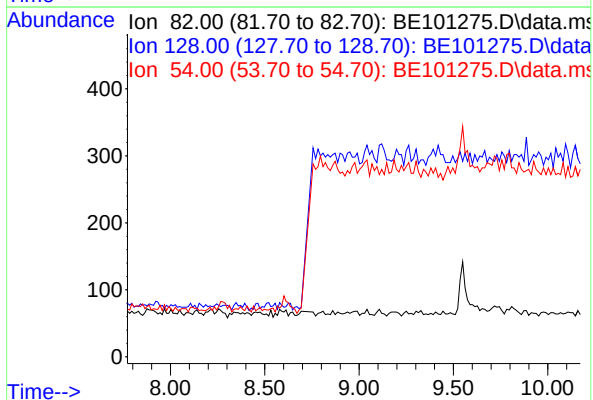


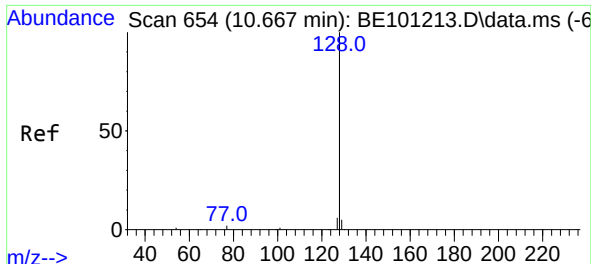
#8
Nitrobenzene-d5
Concen: 0.00 ng
Expected RT: 8.98 min

Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	148.4
54	205.5



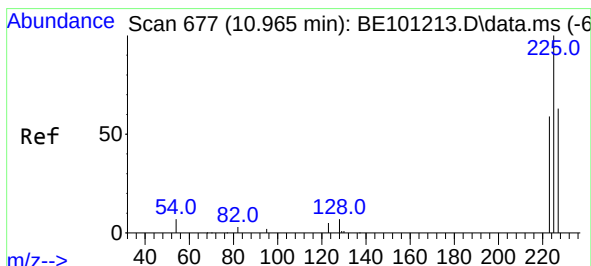
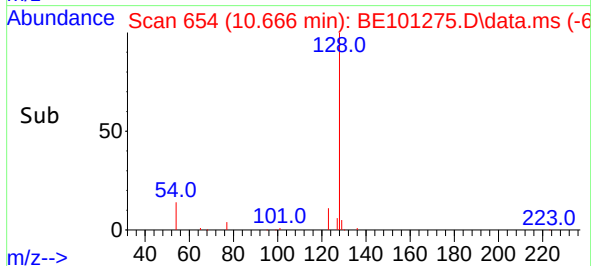
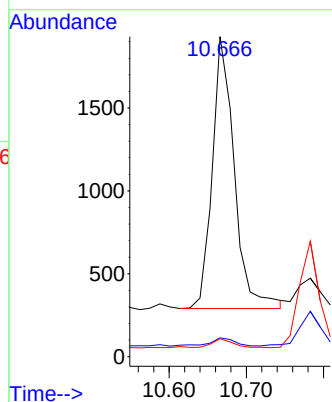
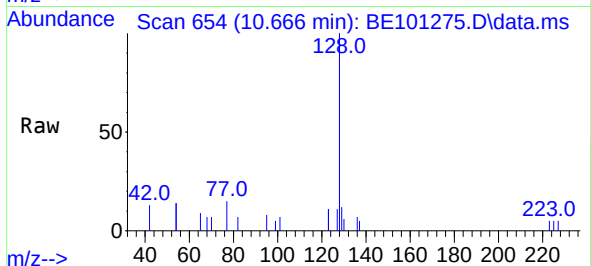


#9
Naphthalene
Concen: 0.37 ng
RT: 10.666 min Scan# 654
Delta R.T. -0.001 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Instrument :
BNA_E
ClientSampleId :
SP5533

Tgt Ion:128 Resp: 3250

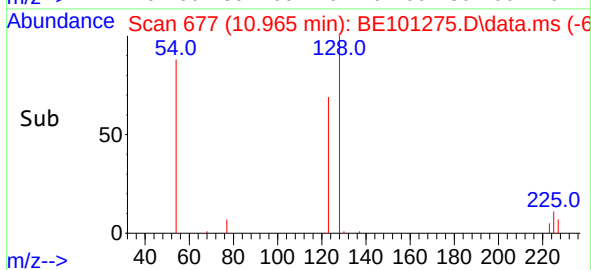
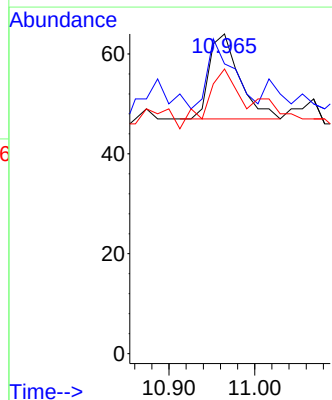
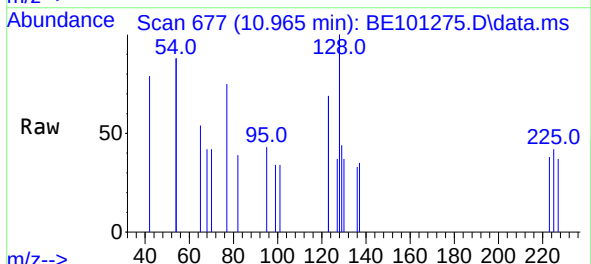
Ion	Ratio	Lower	Upper
128	100		
129	5.9	2.2	3.4#
127	5.6	2.6	3.8#

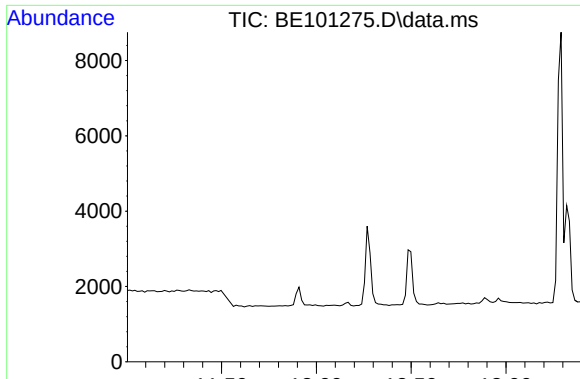


#10
Hexachlorobutadiene
Concen: 0.11 ng
RT: 10.965 min Scan# 677
Delta R.T. -0.001 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion:225 Resp: 41

Ion	Ratio	Lower	Upper
225	100		
223	70.7	50.4	75.6
227	102.4	50.1	75.1#



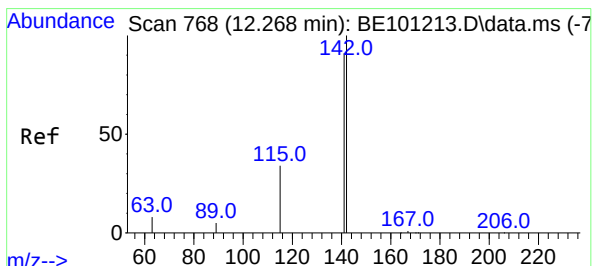
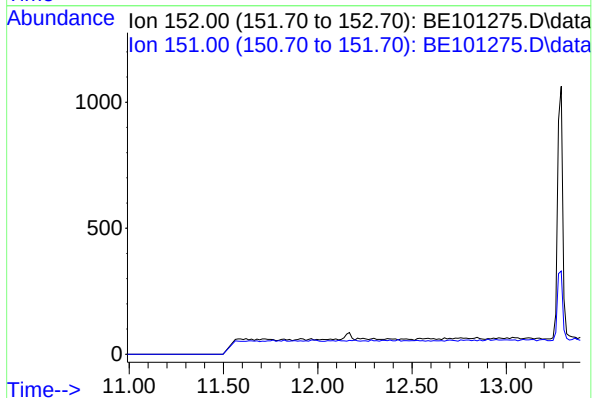


#11
2-Methylnaphthalene-d10
Concen: 0.00 ng
Expected RT: 12.20 min

Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

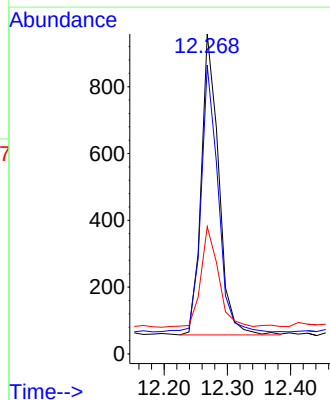
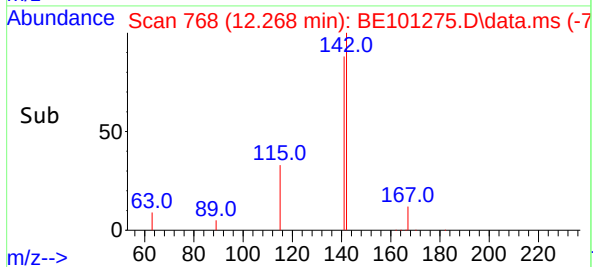
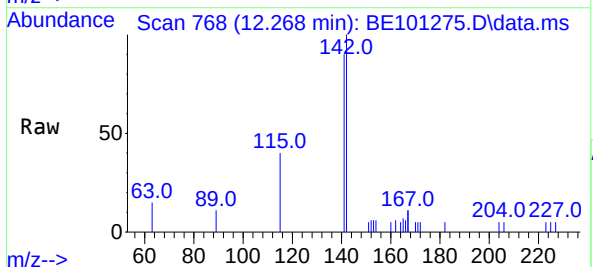
Tgt Ion: 152
Sig Exp Ratio
152 100
151 20.6

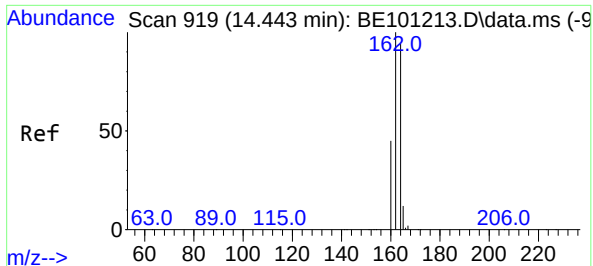
Instrument :
BNA_E
ClientSampleId :
SP5533



#12
2-Methylnaphthalene
Concen: 1.08 ng
RT: 12.268 min Scan# 768
Delta R.T. 0.000 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion: 142 Resp: 1720
Ion Ratio Lower Upper
142 100
141 90.2 73.0 109.6
115 39.8 27.8 41.8

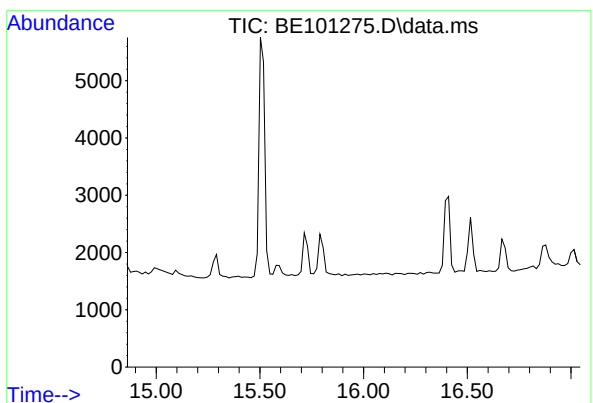
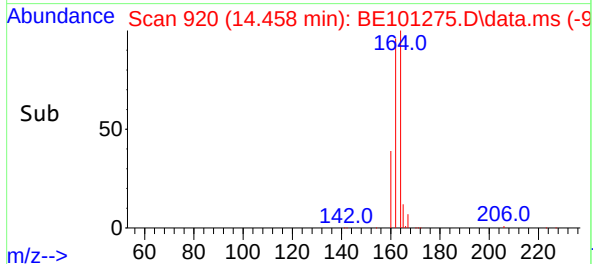
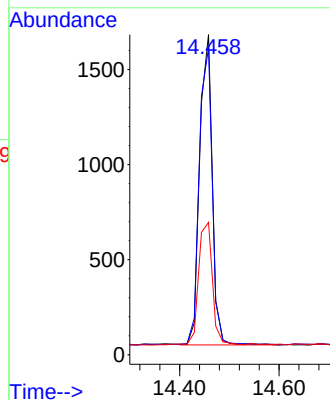
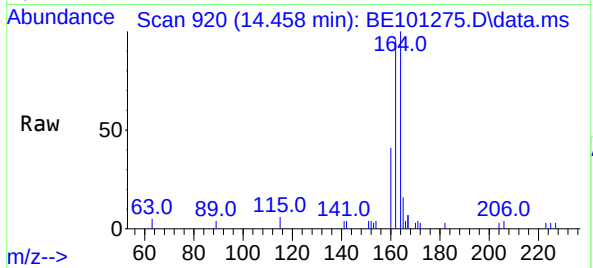




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.458 min Scan# 920
Delta R.T. 0.014 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Instrument :
BNA_E
ClientSampleId :
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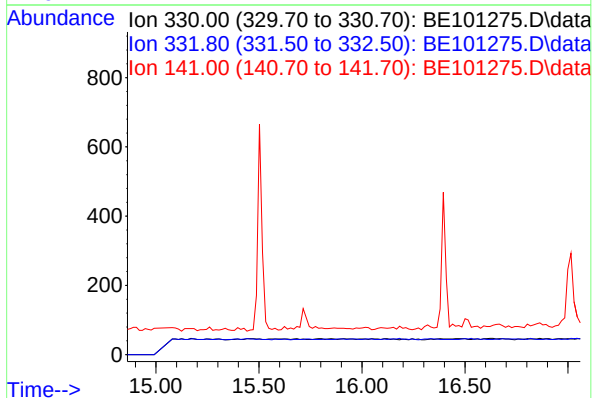
Tgt Ion:164 Resp: 2860
Ion Ratio Lower Upper
164 100
162 95.8 85.3 127.9
160 41.4 39.1 58.7

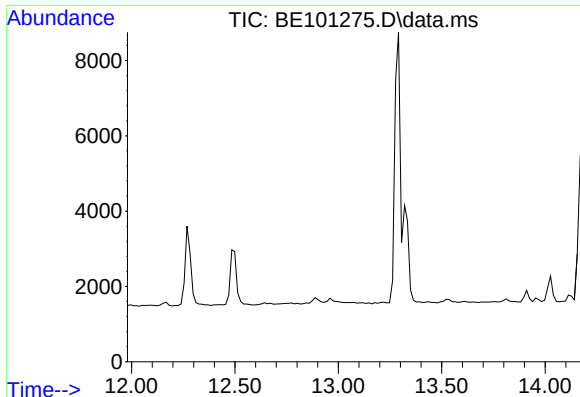


#14
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 15.96 min

Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion: 330
Sig Exp Ratio
330 100
332 97.2
141 38.0



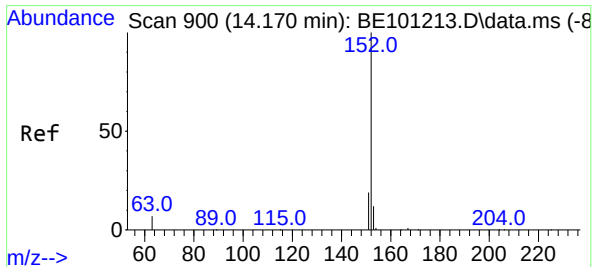
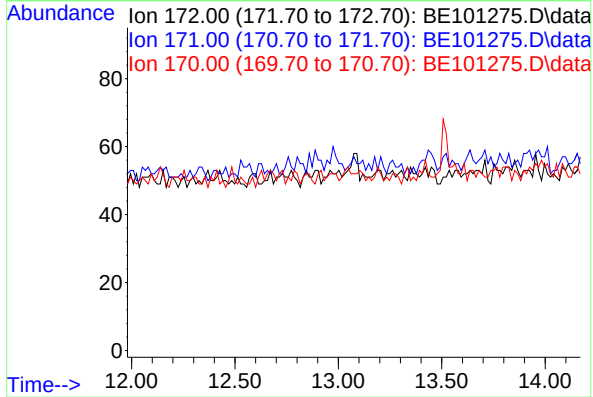


#15
2-Fluorobiphenyl
Concen: 0.00 ng
Expected RT: 13.07 min

Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

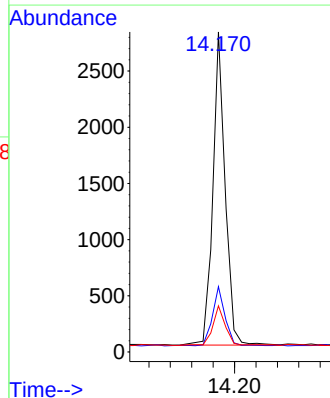
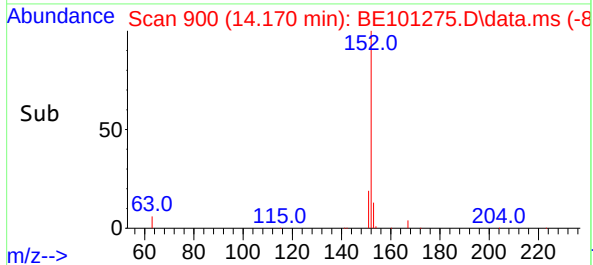
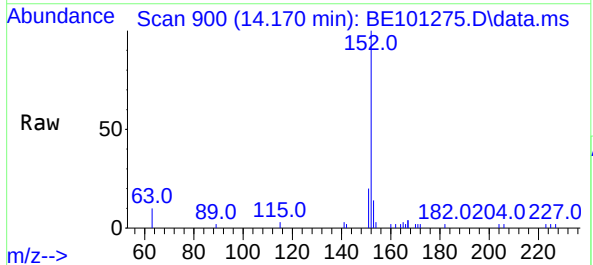
Tgt Ion: 172
Sig Exp Ratio
172 100
171 35.9
170 24.1

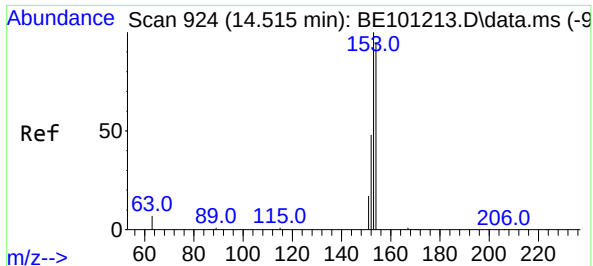
Instrument :
BNA_E
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#16
Acenaphthylene
Concen: 0.40 ng
RT: 14.170 min Scan# 900
Delta R.T. 0.000 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion: 152 Resp: 4424
Ion Ratio Lower Upper
152 100
151 19.3 15.4 23.2
153 12.9 10.0 15.0

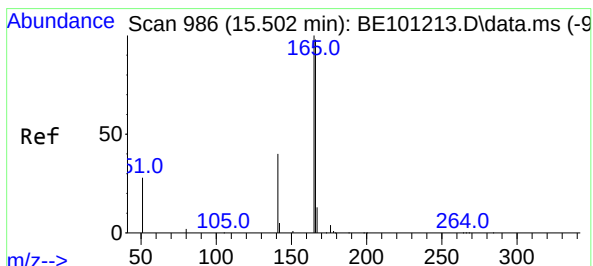
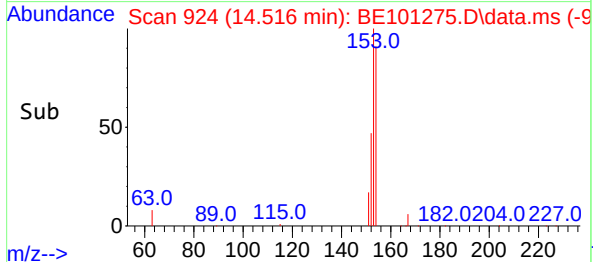
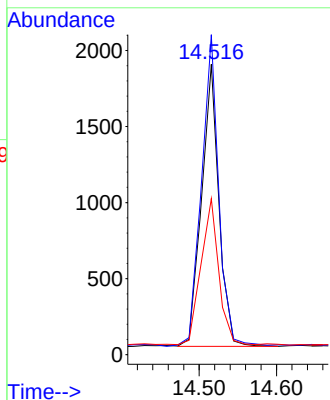
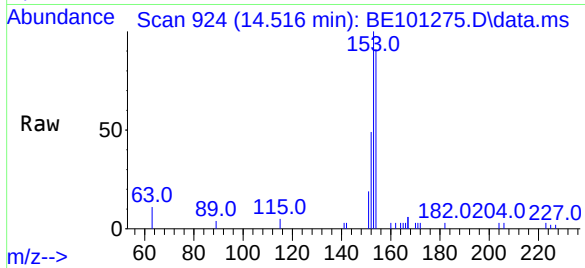




#17
Acenaphthene
Concen: 0.34 ng
RT: 14.516 min Scan# 924
Delta R.T. 0.000 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

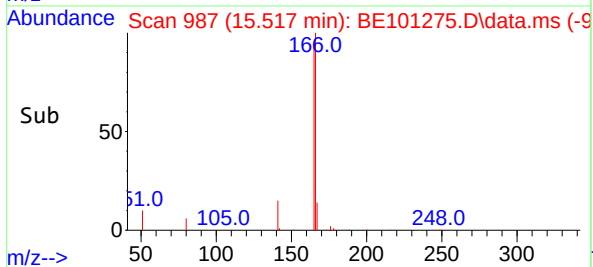
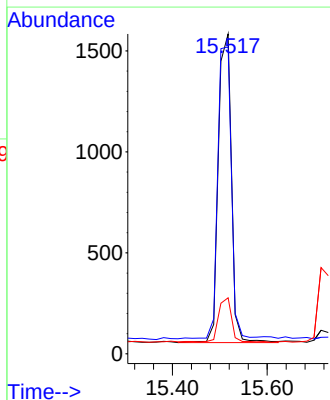
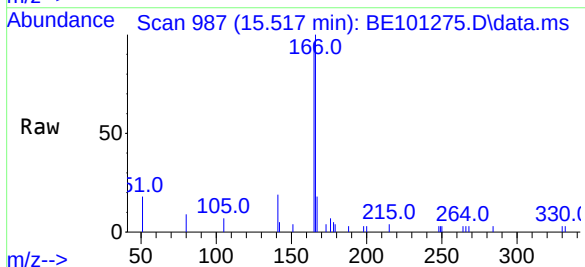
Instrument :
BNA_E
ClientSampleId :
SP5533

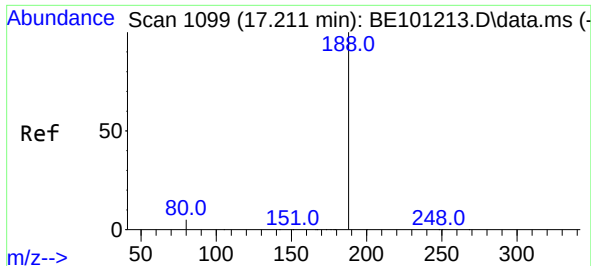
Tgt Ion:154 Resp: 2870
Ion Ratio Lower Upper
154 100
153 110.9 84.9 127.3
152 53.0 42.7 64.1



#18
Fluorene
Concen: 0.26 ng
RT: 15.517 min Scan# 987
Delta R.T. 0.016 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion:166 Resp: 2924
Ion Ratio Lower Upper
166 100
165 97.6 79.0 118.4
167 14.6 11.0 16.4

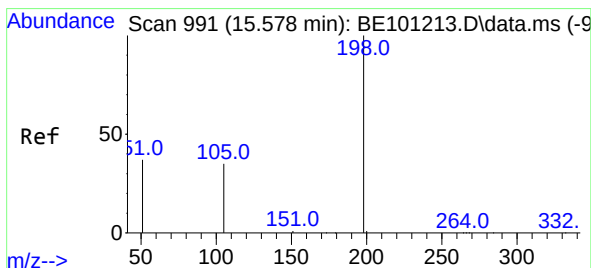
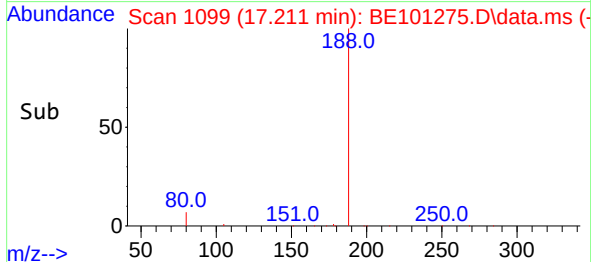
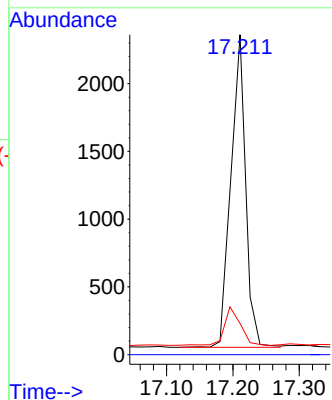
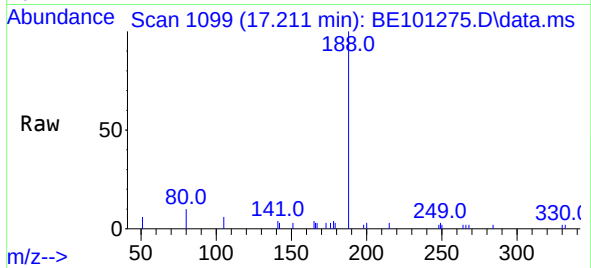




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.211 min Scan# 1099
Delta R.T. 0.001 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

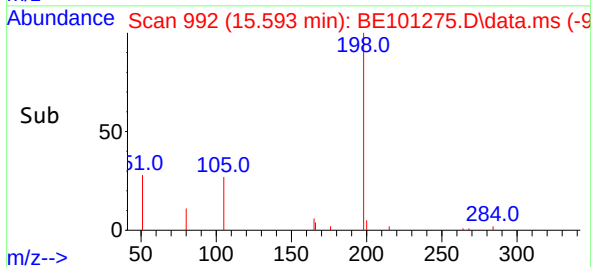
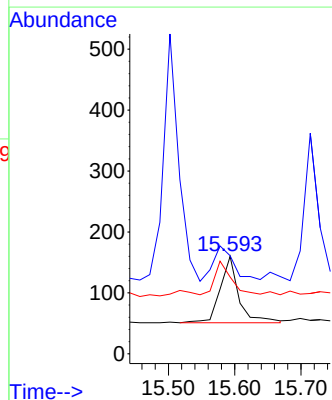
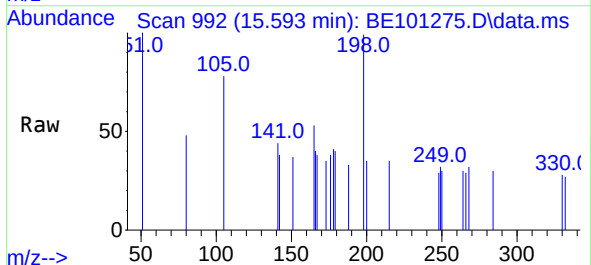
Instrument :
BNA_E
ClientSampleId :
SP5533

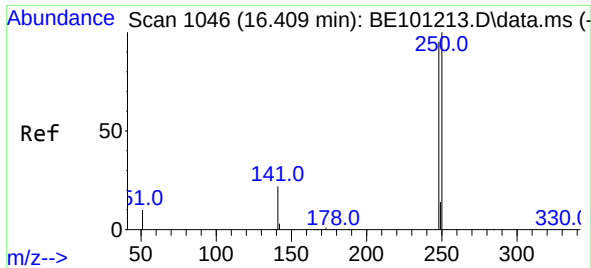
Tgt Ion:188	Resp:	3564
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	9.7	4.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.57 ng
RT: 15.593 min Scan# 992
Delta R.T. 0.016 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion:198	Resp:	210
Ion Ratio	Lower	Upper
198	100	
51	100.6	55.9
105	78.8	33.6

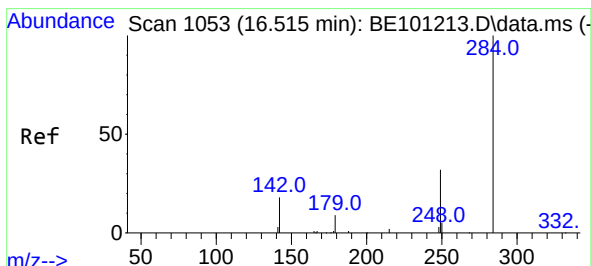
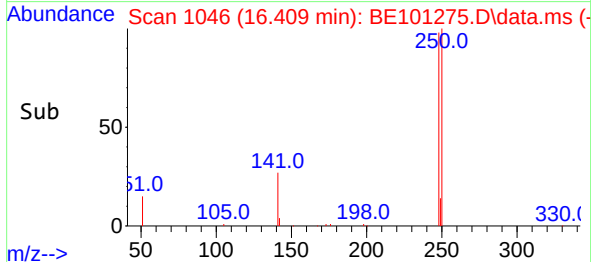
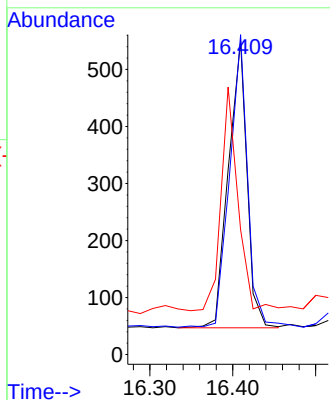
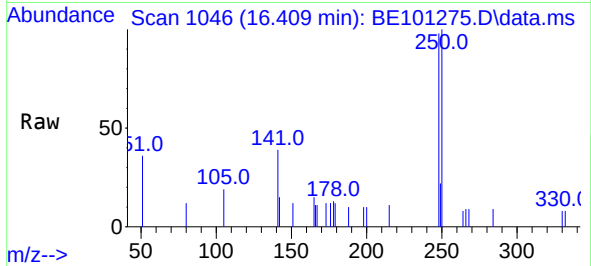




#21
4-Bromophenyl-phenylether
Concen: 0.44 ng
RT: 16.409 min Scan# 1046
Delta R.T. 0.001 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

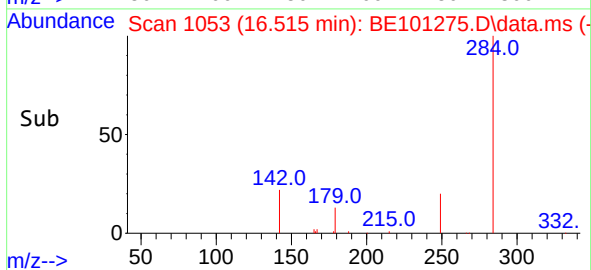
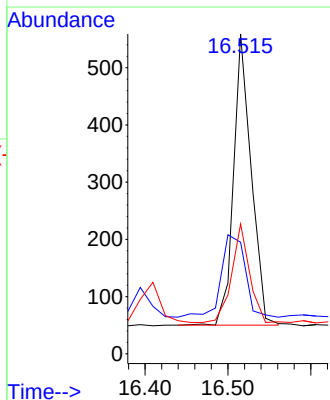
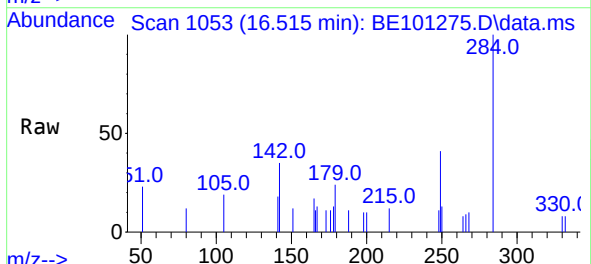
Instrument :
BNA_E
ClientSampleId :
SP5533

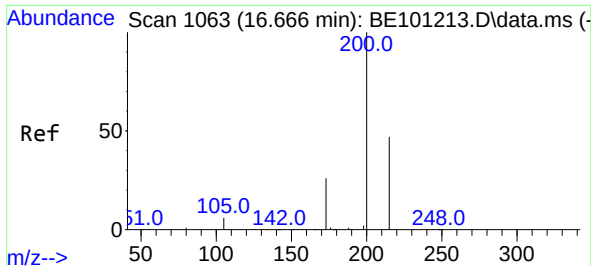
Tgt Ion:248 Resp: 785
Ion Ratio Lower Upper
248 100
250 102.0 84.5 126.7
141 39.8 19.8 29.8#



#22
Hexachlorobenzene
Concen: 0.42 ng
RT: 16.515 min Scan# 1053
Delta R.T. 0.001 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion:284 Resp: 754
Ion Ratio Lower Upper
284 100
142 38.2 27.4 41.0
249 33.4 26.5 39.7

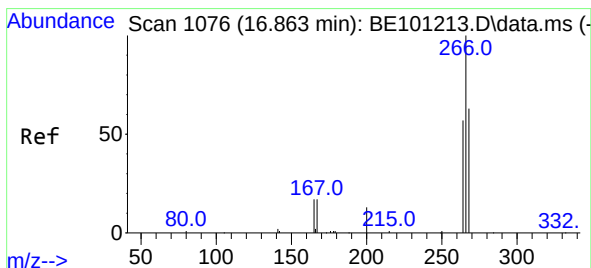
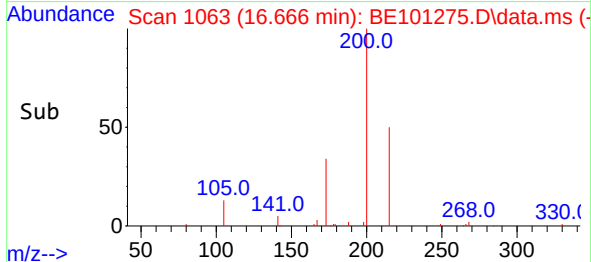
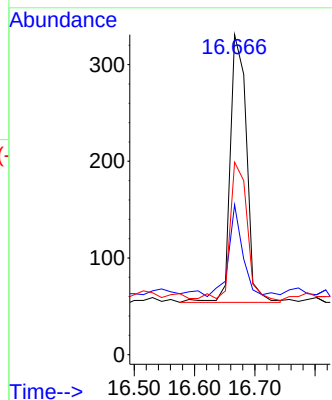
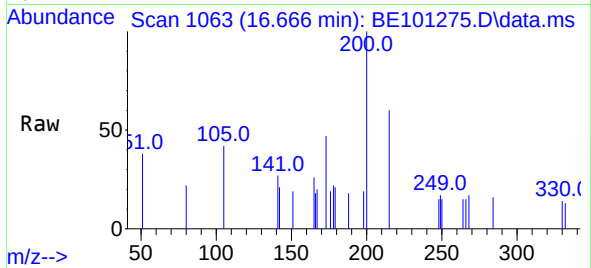




#23
Atrazine
Concen: 0.43 ng
RT: 16.666 min Scan# 1063
Delta R.T. 0.001 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

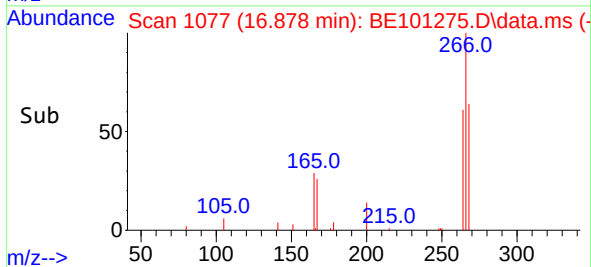
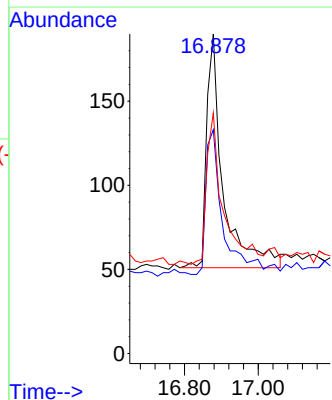
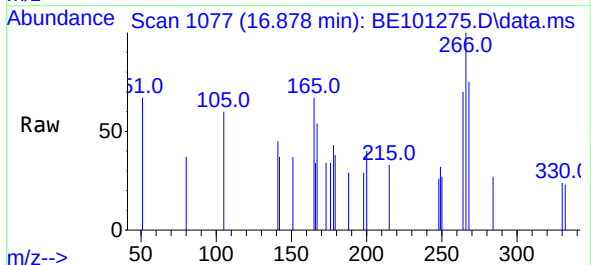
Instrument :
BNA_E
ClientSampleId :
SP5533

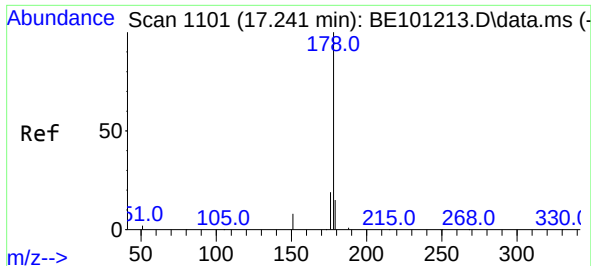
Tgt Ion:200 Resp: 519
Ion Ratio Lower Upper
200 100
173 46.8 21.9 32.9#
215 60.1 38.6 57.8#



#24
Pentachlorophenol
Concen: 0.66 ng
RT: 16.878 min Scan# 1077
Delta R.T. 0.016 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion:266 Resp: 432
Ion Ratio Lower Upper
266 100
264 64.1 49.1 73.7
268 64.8 50.6 76.0

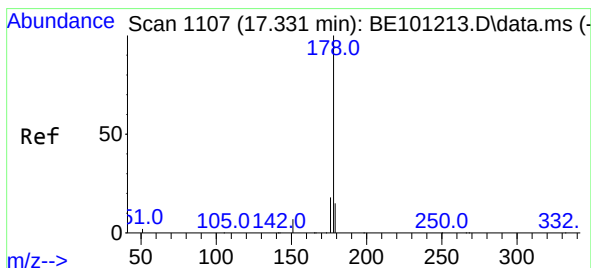
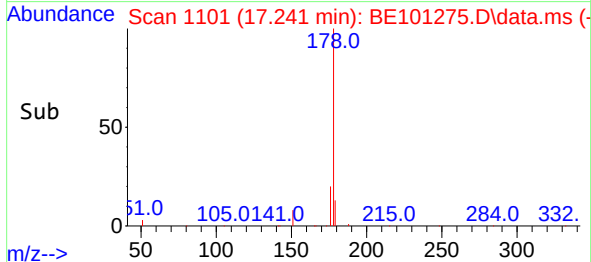
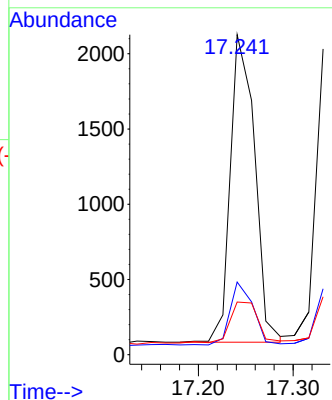
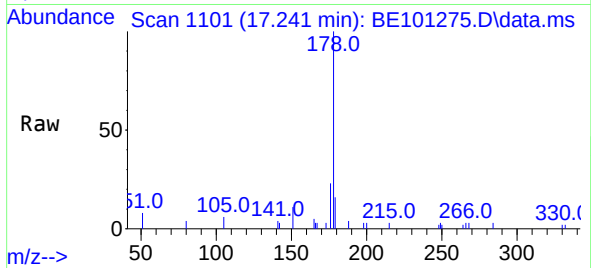




#25
Phenanthrene
Concen: 0.35 ng
RT: 17.241 min Scan# 1101
Delta R.T. 0.001 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

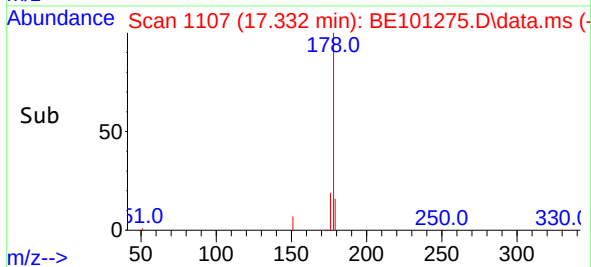
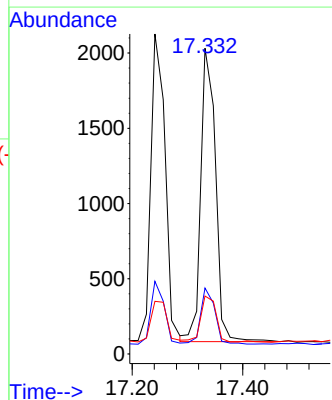
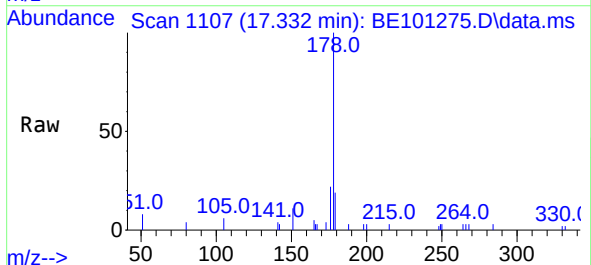
Instrument :
BNA_E
ClientSampleId :
SP5533

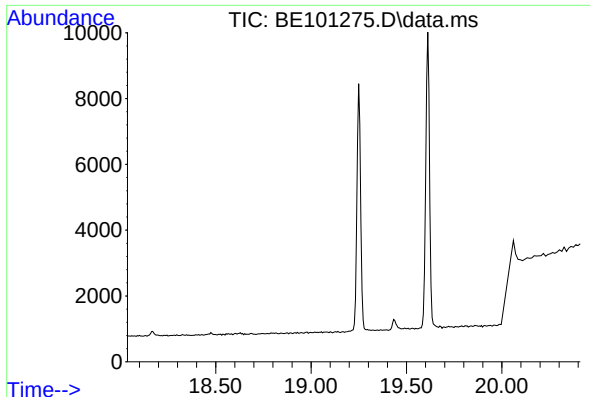
Tgt Ion:178 Resp: 3649
Ion Ratio Lower Upper
178 100
176 20.1 15.0 22.6
179 17.3 12.2 18.4



#26
Anthracene
Concen: 0.40 ng
RT: 17.332 min Scan# 1107
Delta R.T. 0.001 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion:178 Resp: 3629
Ion Ratio Lower Upper
178 100
176 18.2 14.4 21.6
179 16.0 11.8 17.8



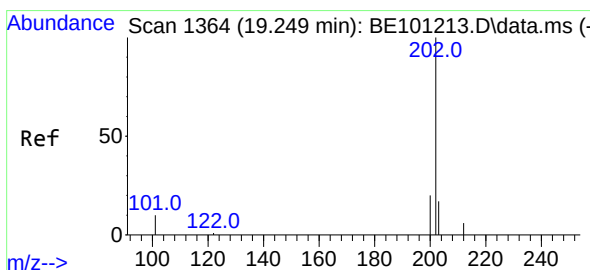
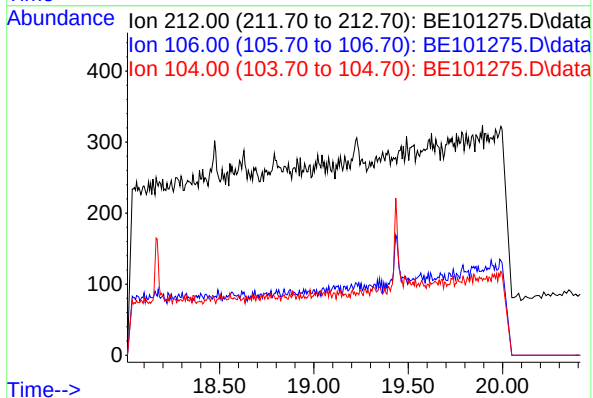


#27
Fluoranthene-d10
Concen: 0.00 ng
Expected RT: 19.21 min

Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

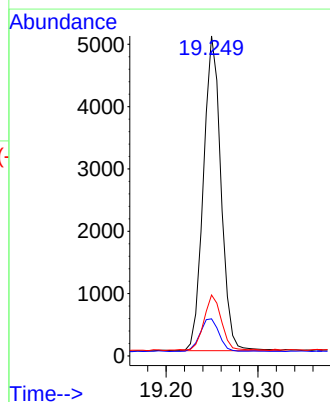
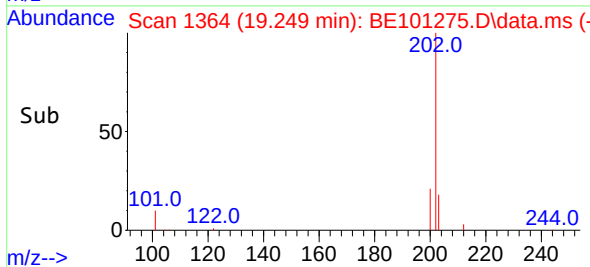
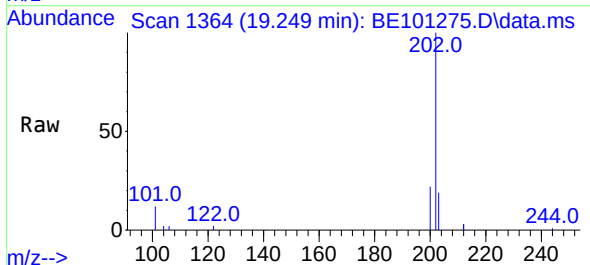
Tgt Ion: 212
Sig Exp Ratio
212 100
106 3.3
104 1.8

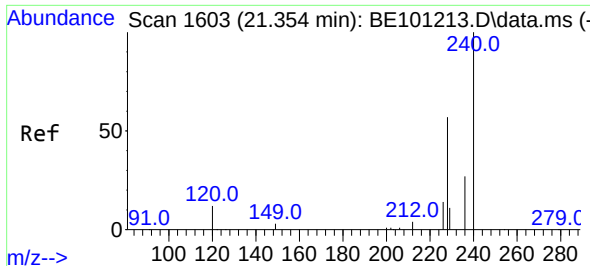
Instrument :
BNA_E
ClientSampleId :
SP5533



#28
Fluoranthene
Concen: 0.49 ng
RT: 19.249 min Scan# 1364
Delta R.T. 0.006 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion: 202 Resp: 6699
Ion Ratio Lower Upper
202 100
101 11.1 9.1 13.7
203 18.0 13.6 20.4

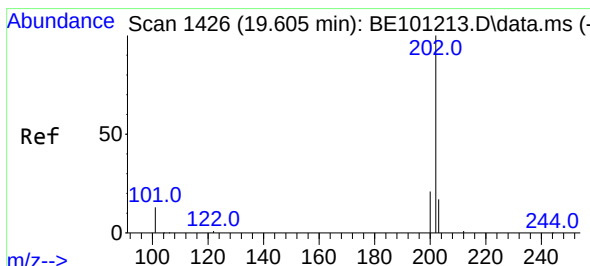
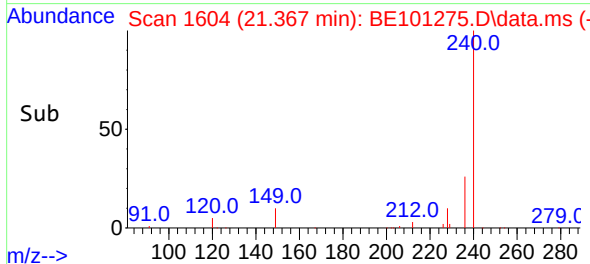
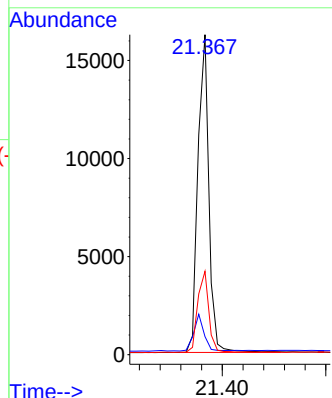
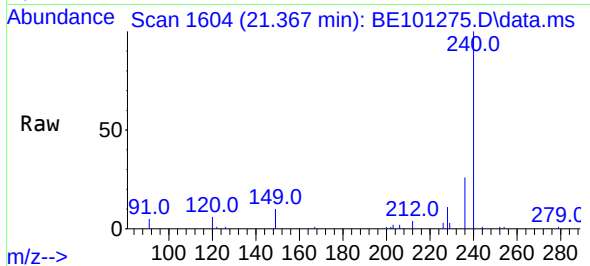




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.367 min Scan# 1604
Delta R.T. 0.012 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

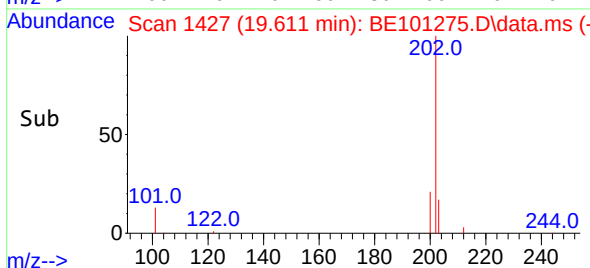
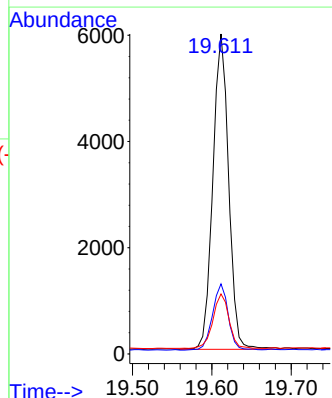
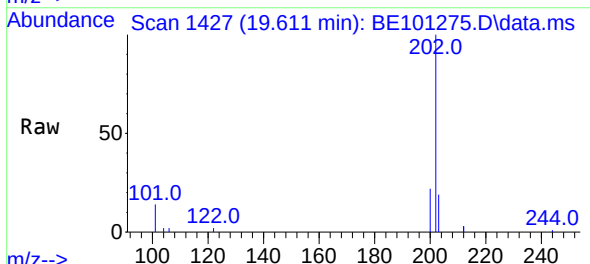
Instrument :
BNA_E
ClientSampleId :
SP5533

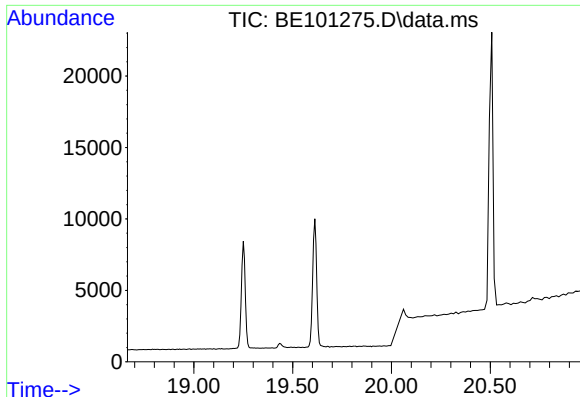
Tgt Ion:240 Resp: 23895
Ion Ratio Lower Upper
240 100
120 5.6 10.2 15.4#
236 26.1 21.7 32.5



#30
Pyrene
Concen: 0.10 ng
RT: 19.611 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion:202 Resp: 8245
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 17.5 13.8 20.8



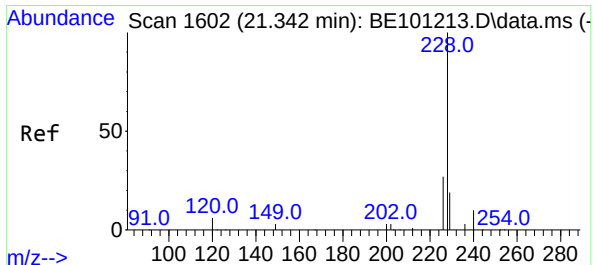
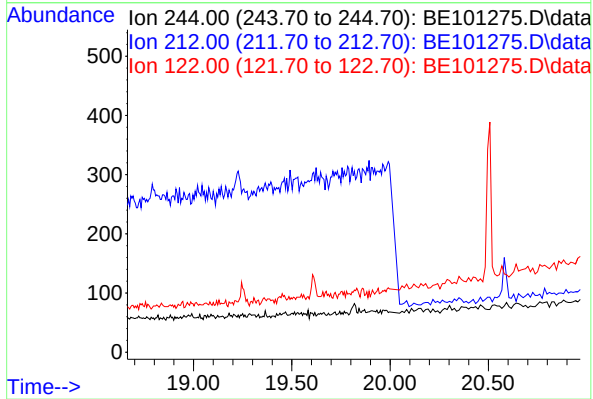


#31
Terphenyl-d14
Concen: 0.00 ng
Expected RT: 19.81 min

Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

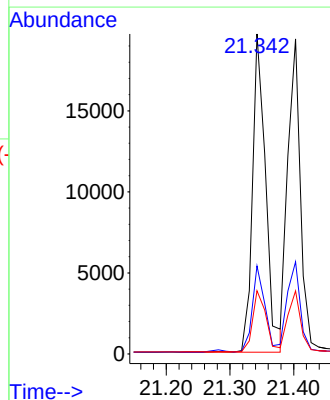
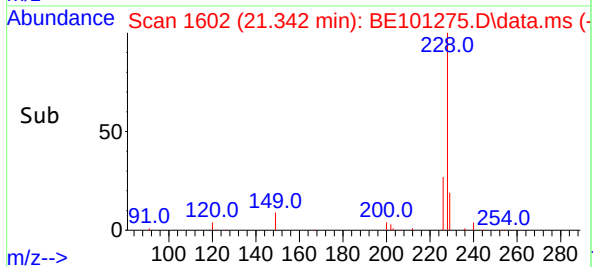
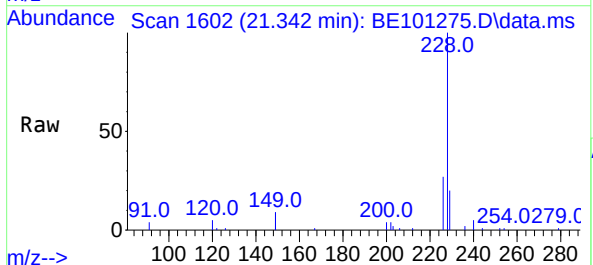
Tgt Ion: 244
Sig Exp Ratio
244 100
212 27.4
122 9.1

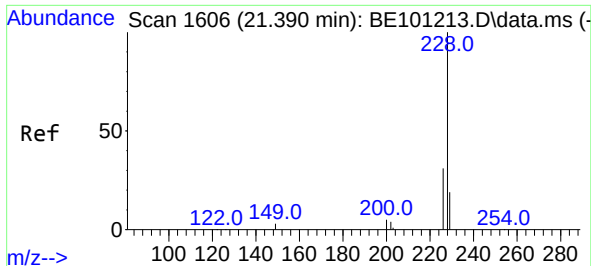
Instrument :
BNA_E
ClientSampleId :
SP5533



#32
Benzo(a)anthracene
Concen: 0.42 ng
RT: 21.342 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion: 228 Resp: 28224
Ion Ratio Lower Upper
228 100
226 27.5 21.4 32.2
229 19.8 15.7 23.5

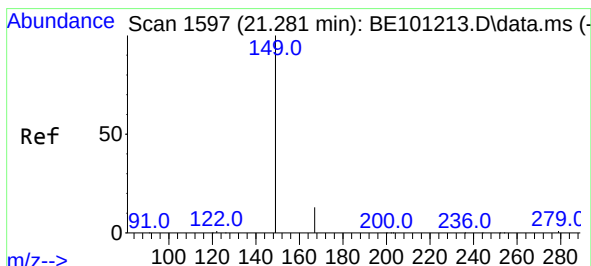
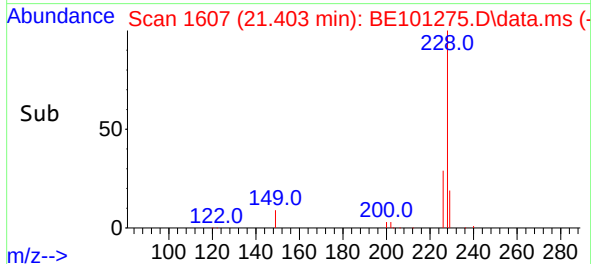
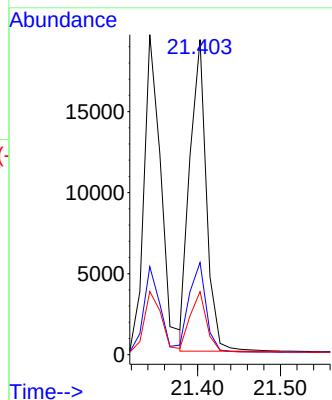
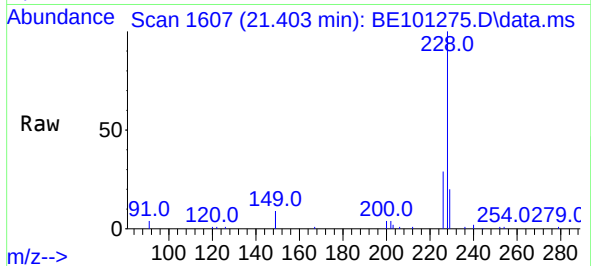




#33
Chrysene
Concen: 0.33 ng
RT: 21.403 min Scan# 1607
Delta R.T. 0.012 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

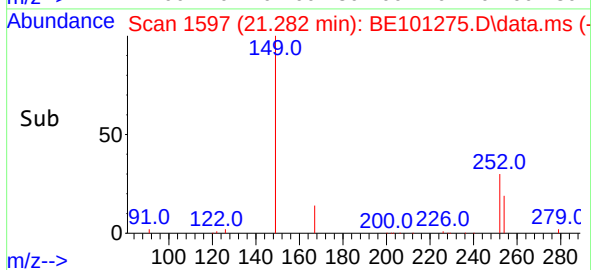
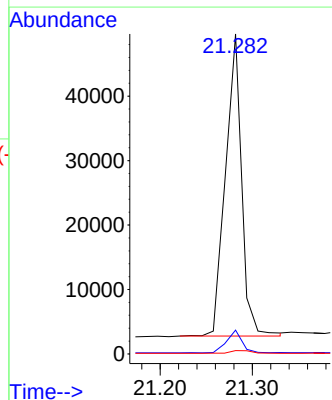
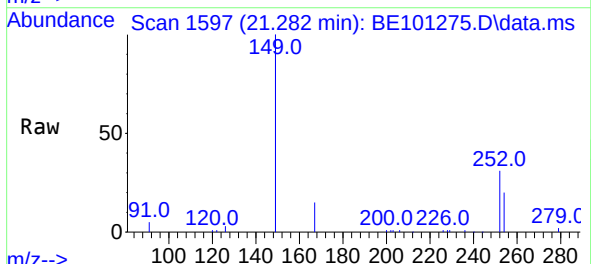
Instrument :
BNA_E
ClientSampleId :
SP5533

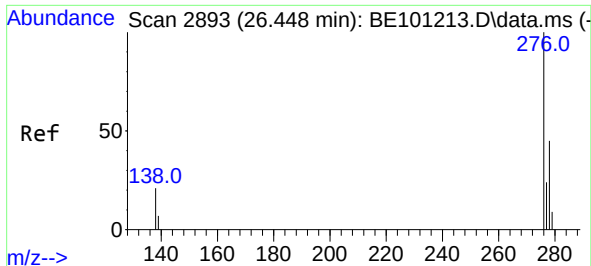
Tgt Ion:228	Resp:	26715
Ion Ratio	Lower	Upper
228	100	
226	29.3	24.8 37.2
229	20.0	15.2 22.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 1.17 ng
RT: 21.282 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion:149	Resp:	57091
Ion Ratio	Lower	Upper
149	100	
167	7.2	5.5 8.3
279	1.2	1.0 1.4

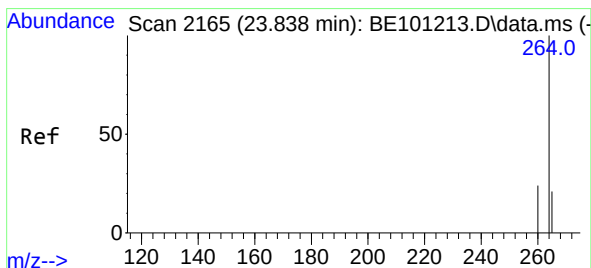
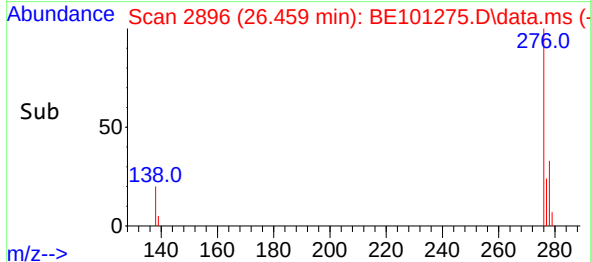
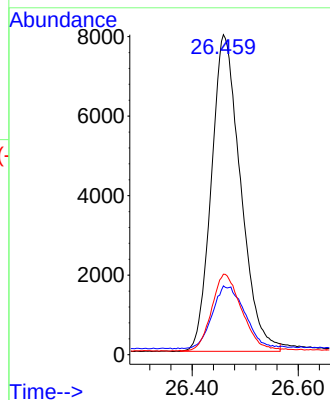
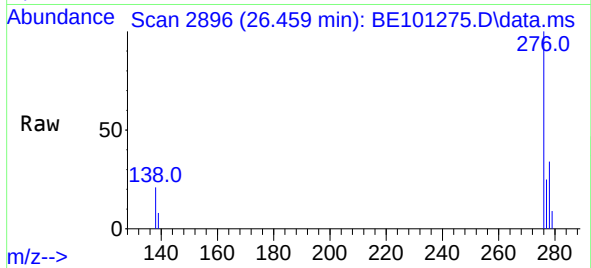




#35
Indeno(1,2,3-cd)pyrene
Concen: 0.52 ng
RT: 26.459 min Scan# 2896
Delta R.T. 0.014 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

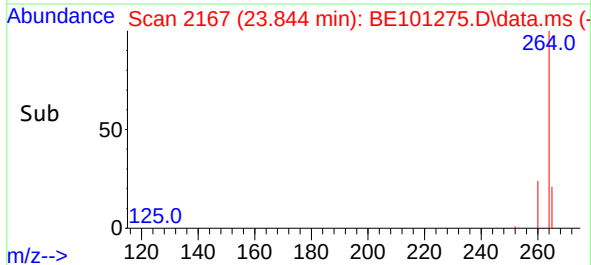
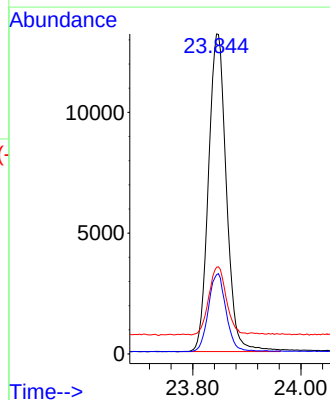
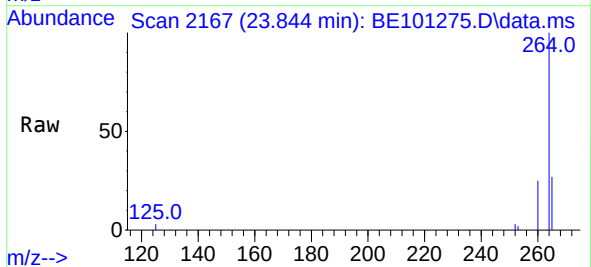
Instrument :
BNA_E
ClientSampleId :
SP5533

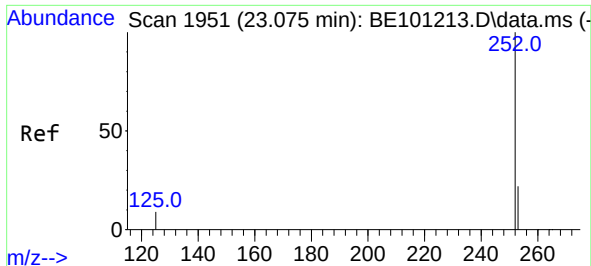
Tgt Ion:276 Resp: 30438
Ion Ratio Lower Upper
276 100
138 21.9 17.4 26.0
277 24.8 19.8 29.8



#36
Perylene-d12
Concen: 0.40 ng
RT: 23.844 min Scan# 2167
Delta R.T. 0.009 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion:264 Resp: 30249
Ion Ratio Lower Upper
264 100
260 24.7 19.3 28.9
265 27.1 22.4 33.6

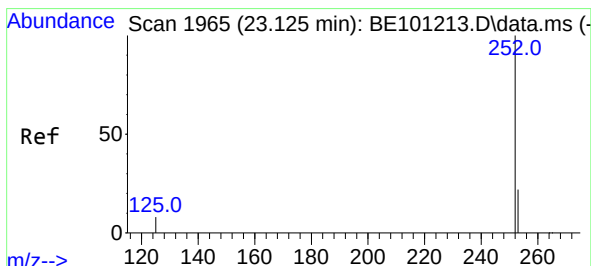
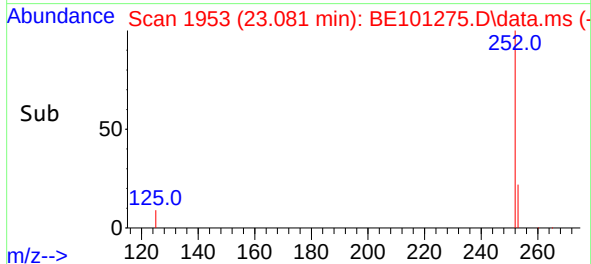
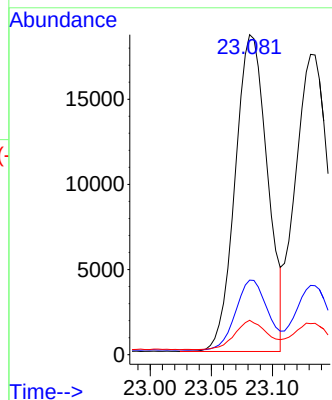
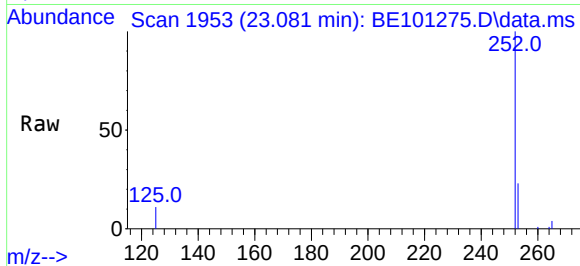




#37
Benzo(b)fluoranthene
Concen: 0.34 ng
RT: 23.081 min Scan# 1953
Delta R.T. 0.006 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

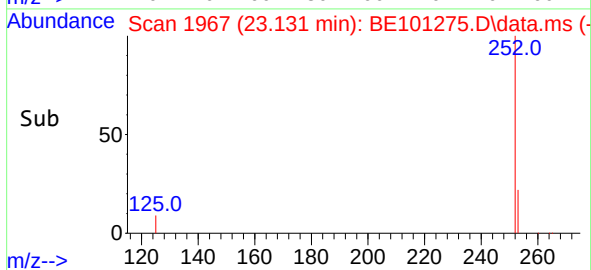
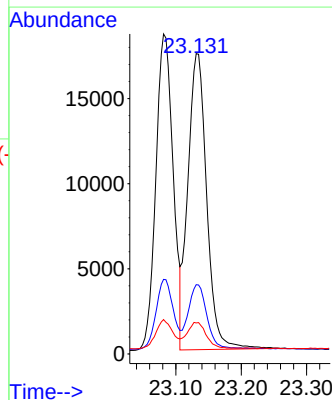
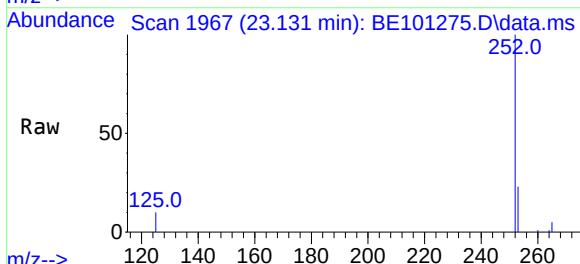
Instrument :
BNA_E
ClientSampleId :
SP5533

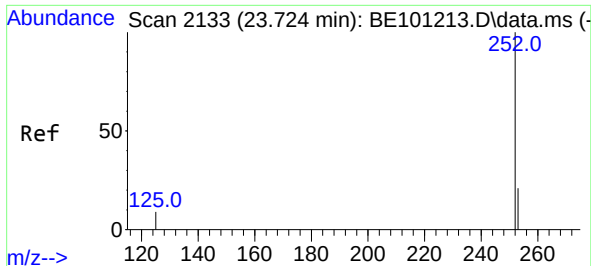
Tgt Ion:252 Resp: 34129
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 10.7 7.6 11.4



#38
Benzo(k)fluoranthene
Concen: 0.32 ng
RT: 23.131 min Scan# 1967
Delta R.T. 0.006 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion:252 Resp: 34731
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 10.3 7.6 11.4

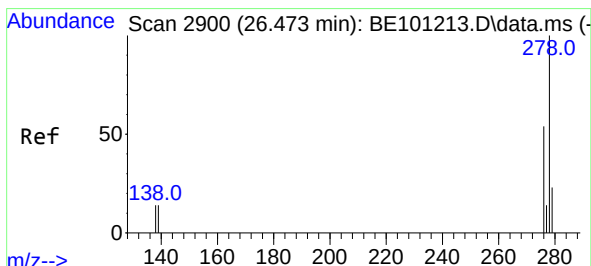
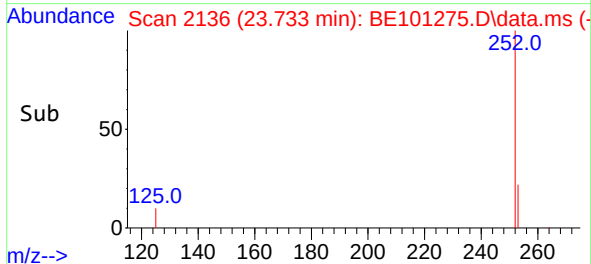
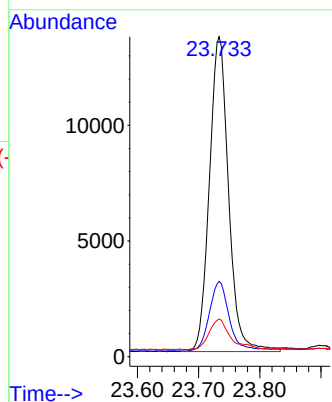
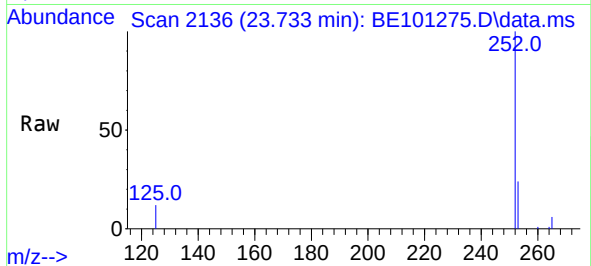




#39
Benzo(a)pyrene
Concen: 0.35 ng
RT: 23.733 min Scan# 2136
Delta R.T. 0.009 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

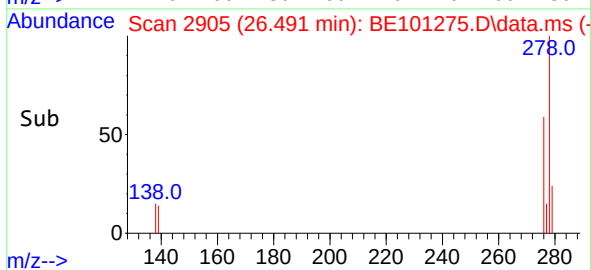
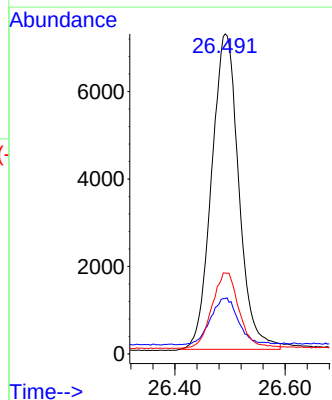
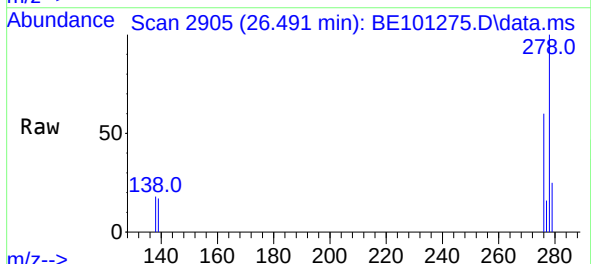
Instrument :
BNA_E
ClientSampleId :
SP5533

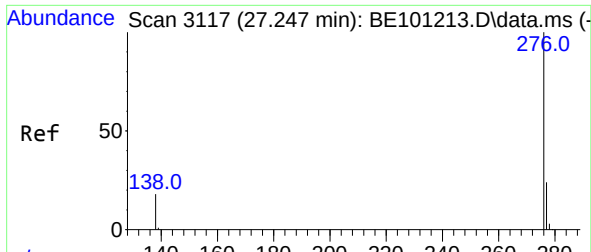
Tgt Ion:252	Resp:	29643
Ion Ratio	Lower	Upper
252	100	
253	23.6	18.0 27.0
125	11.7	8.0 12.0



#40
Dibenzo(a,h)anthracene
Concen: 0.30 ng
RT: 26.491 min Scan# 2905
Delta R.T. 0.018 min
Lab File: BE101275.D
Acq: 9 Apr 2021 18:36

Tgt Ion:278	Resp:	24721
Ion Ratio	Lower	Upper
278	100	
139	17.3	12.2 18.2
279	25.3	19.3 28.9





#41

Benzo(g,h,i)perylene

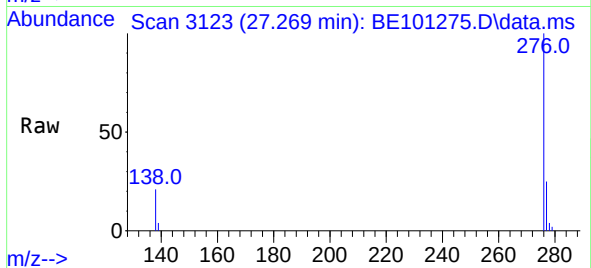
Concen: 0.30 ng

RT: 27.269 min Scan# 3123

Delta R.T. 0.025 min

Lab File: BE101275.D

Acq: 9 Apr 2021 18:36



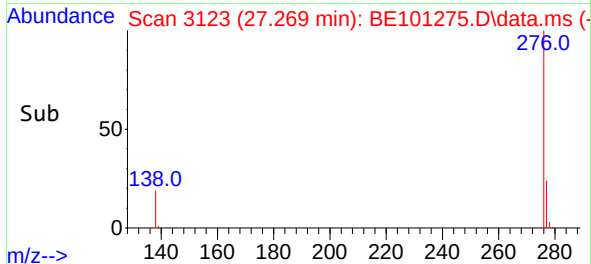
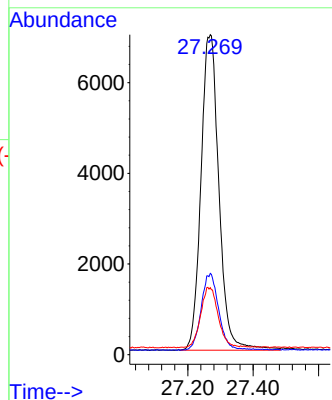
Tgt Ion: 276 Resp: 26589

Ion Ratio Lower Upper

276 100

277 25.4 19.4 29.0

138 20.9 15.2 22.8



Instrument :

BNA_E

ClientSampleId :

SP5533