

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040821\
 Data File : BE101249.D
 Acq On : 8 Apr 2021 16:47
 Operator : CG/JU
 Sample : M1977-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EB-01-040721

Manual Integrations
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Quant Time: Apr 08 17:49:52 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	7.827	152	3435	0.40	ng	# 0.00
7) Naphthalene-d8	10.614	136	15511	0.40	ng	0.00
13) Acenaphthene-d10	14.442	164	10906	0.40	ng	0.00
19) Phenanthrene-d10	17.196	188	31409	0.40	ng	#-0.01
29) Chrysene-d12	21.355	240	26868	0.40	ng	# 0.00
36) Perylene-d12	23.830	264	26354	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.420	112	1587	0.20	ng	0.00
5) Phenol-d6	6.987	99	1343	0.11	ng	0.00
8) Nitrobenzene-d5	8.977	82	5057	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.195	152	9323	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.956	330	1261	0.43	ng	0.00
15) 2-Fluorobiphenyl	13.074	172	14941	0.38	ng	0.00
27) Fluoranthene-d10	19.215	212	160475	0.29	ng	0.00
31) Terphenyl-d14	19.813	244	39076	0.54	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.666	128	6451	0.04	ng	# 96
12) 2-Methylnaphthalene	12.267	142	1264	0.04	ng	96
16) Acenaphthylene	14.169	152	2113	0.05	ng	96
17) Acenaphthene	14.514	154	1321	0.04	ng	90
18) Fluorene	15.503	166	3759	0.09	ng	97
25) Phenanthrene	17.241	178	18059	0.19	ng	100
26) Anthracene	17.332	178	15917	0.20	ng	99
28) Fluoranthene	19.244	202	39302	0.33	ng	99
30) Pyrene	19.606	202	38301	0.39	ng	99
32) Benzo(a)anthracene	21.343	228	22155	0.29	ng	98
33) Chrysene	21.391	228	21137	0.24	ng	98
34) Bis(2-ethylhexyl)phtha...	21.270	149	10735	0.20	ng	100
35) Indeno(1,2,3-cd)pyrene	26.441	276	14776	0.22	ng	100
37) Benzo(b)fluoranthene	23.071	252	19340	0.22	ng	98
38) Benzo(k)fluoranthene	23.121	252	20052m	0.21	ng	
39) Benzo(a)pyrene	23.716	252	15442	0.21	ng	96
40) Dibenzo(a,h)anthracene	26.462	278	11801	0.17	ng	97
41) Benzo(g,h,i)perylene	27.236	276	12184	0.16	ng	98

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

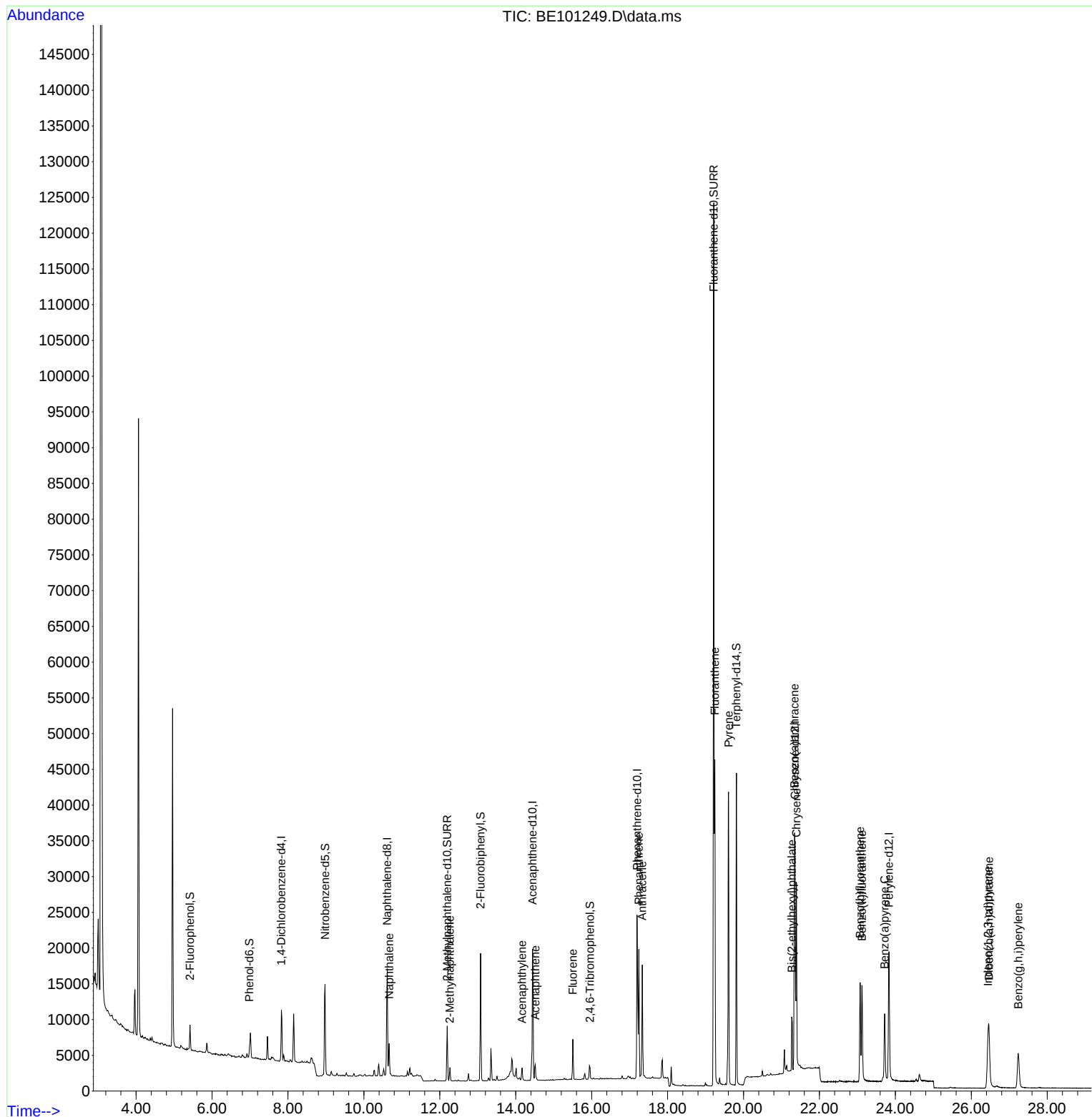
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040821\
Data File : BE101249.D
Acq On : 8 Apr 2021 16:47
Operator : CG/JU
Sample : M1977-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

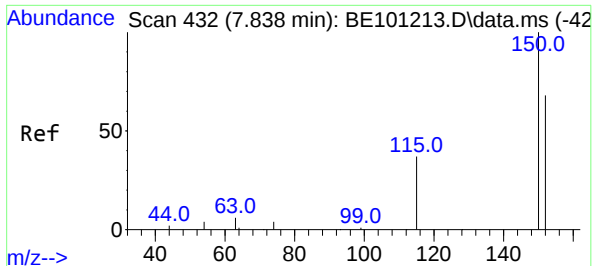
Instrument :
BNA_E
ClientSampleId :
EB-01-040721

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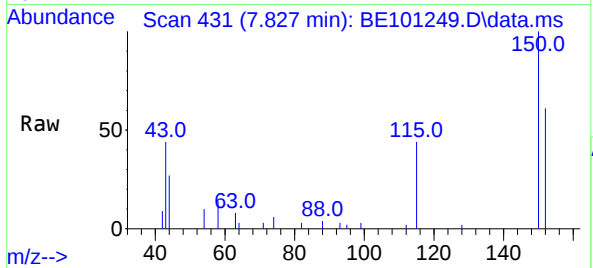
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Quant Time: Apr 08 17:49:52 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-SIM-BE040621.M
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QLast Update : Wed Apr 07 10:22:45 2021
Response via : Initial Calibration

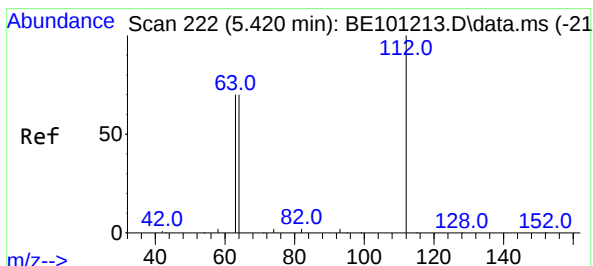
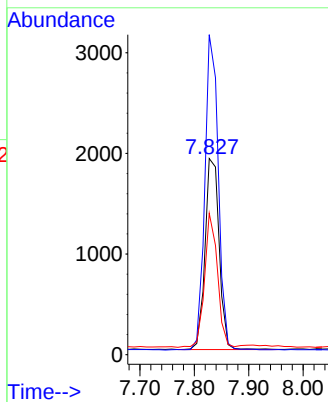
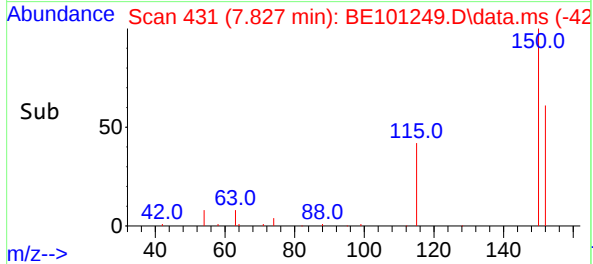




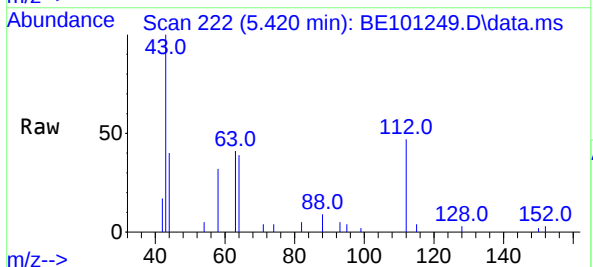
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.827 min Scan# 431
Delta R.T. -0.003 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47



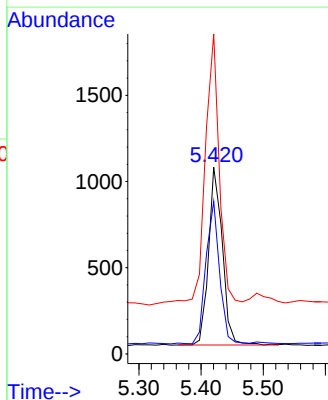
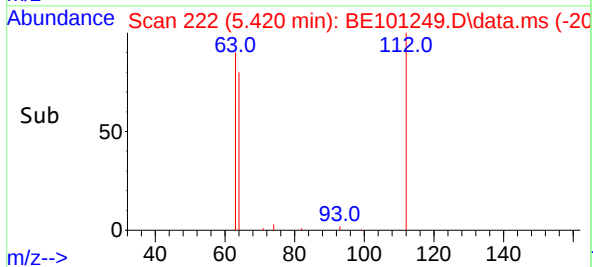
Tgt Ion:152 Resp: 3435
Ion Ratio Lower Upper
152 100
150 163.1 116.9 175.3
115 72.1 44.5 66.7#



#4
2-Fluorophenol
Concen: 0.20 ng
RT: 5.420 min Scan# 222
Delta R.T. -0.002 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47



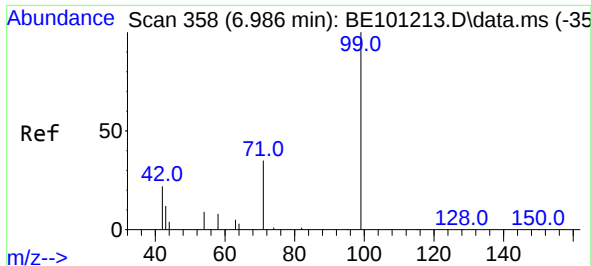
Tgt Ion:112 Resp: 1587
Ion Ratio Lower Upper
112 100
64 79.1 62.3 93.5
63 157.2 117.3 175.9



Instrument :
BNA_E
ClientSampled :
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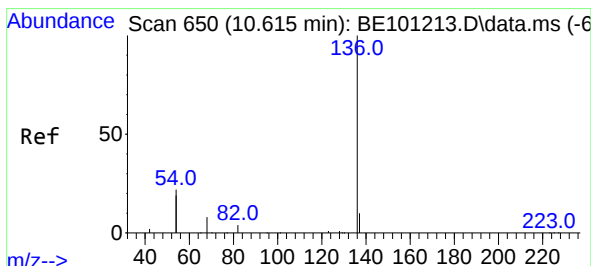
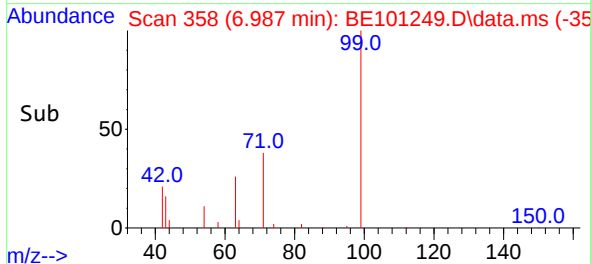
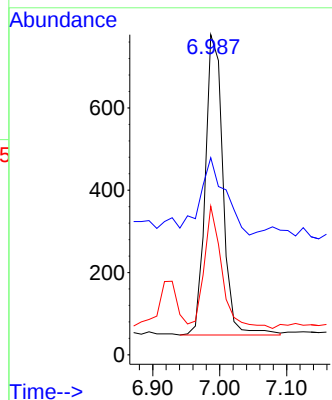
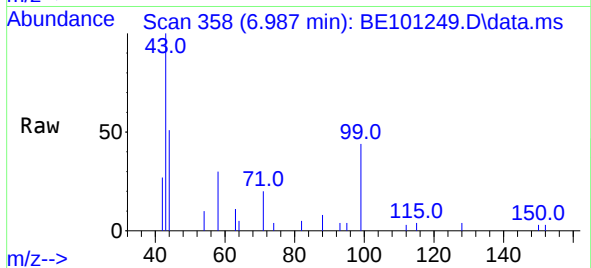
#5
Phenol-d6
Concen: 0.11 ng
RT: 6.987 min Scan# 358
Delta R.T. -0.002 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

Tgt Ion: 99 Resp: 1343
Ion Ratio Lower Upper
99 100
42 36.3 18.5 27.7#
71 40.6 26.5 39.7#

Instrument :
BNA_E
ClientSampleId :
EB-01-040721

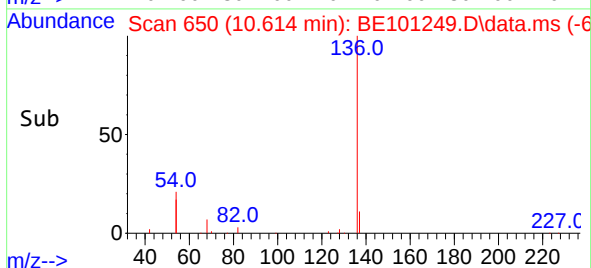
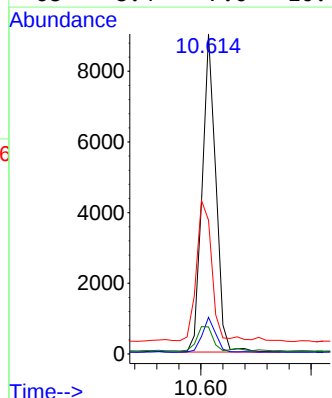
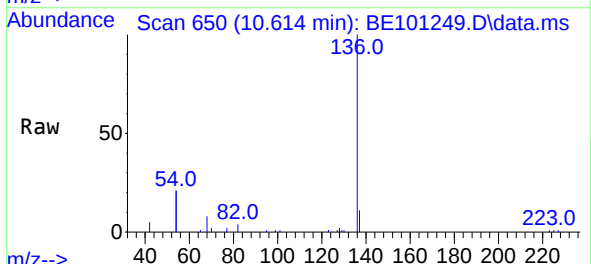
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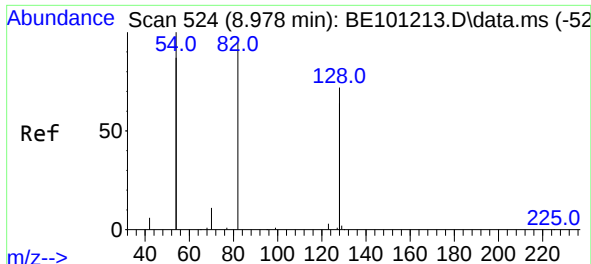
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#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.614 min Scan# 650
Delta R.T. -0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

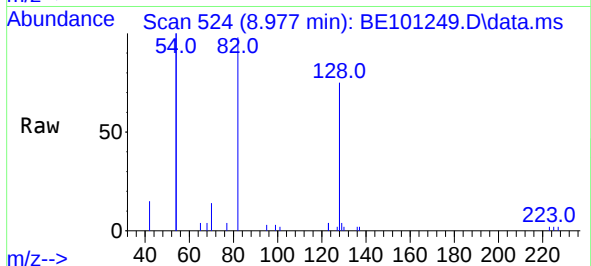
Tgt Ion: 136 Resp: 15511
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 41.8 34.7 52.1
68 8.4 7.0 10.4





#8
Nitrobenzene-d5
Concen: 0.44 ng
RT: 8.977 min Scan# 524
Delta R.T. -0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

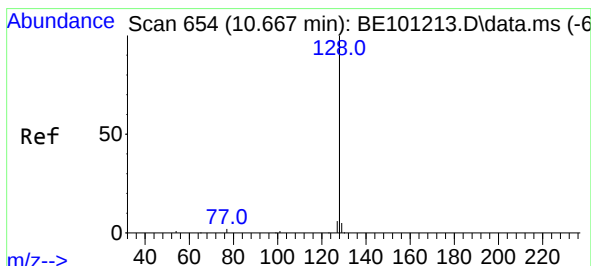
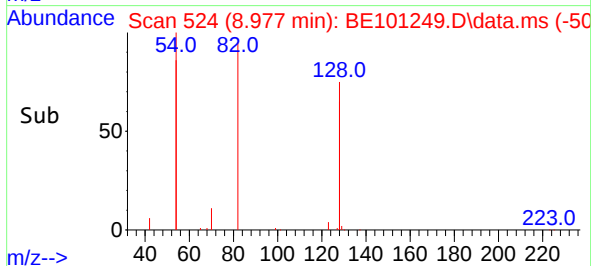
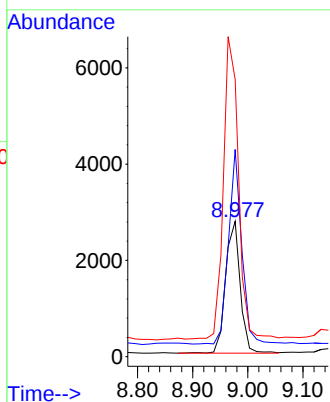
Instrument :
BNA_E
ClientSampleId :
EB-01-040721



Tgt Ion: 82 Resp: 5057
Ion Ratio Lower Upper
82 100
128 153.1 118.7 178.1
54 204.9 164.4 246.6

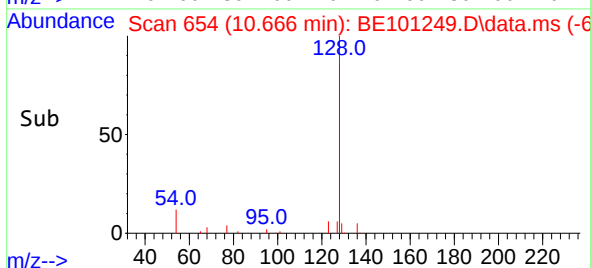
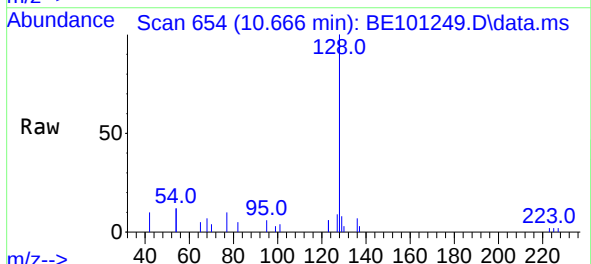
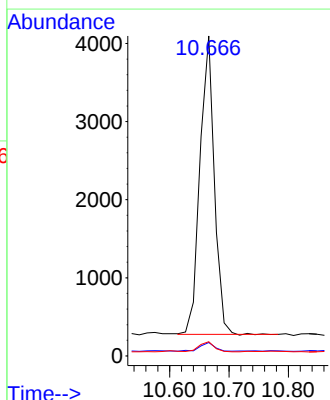
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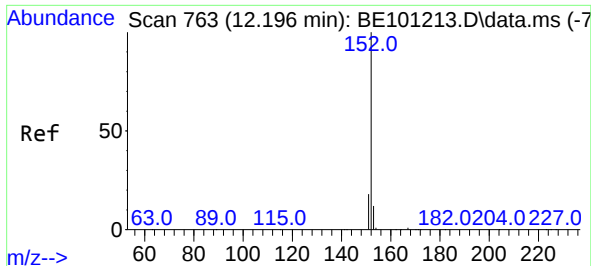
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#9
Naphthalene
Concen: 0.04 ng
RT: 10.666 min Scan# 654
Delta R.T. -0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

Tgt Ion: 128 Resp: 6451
Ion Ratio Lower Upper
128 100
129 4.2 2.2 3.4#
127 4.4 2.6 3.8#

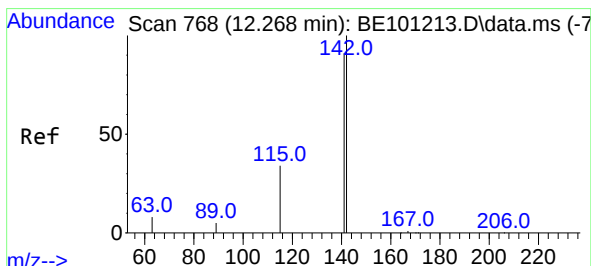
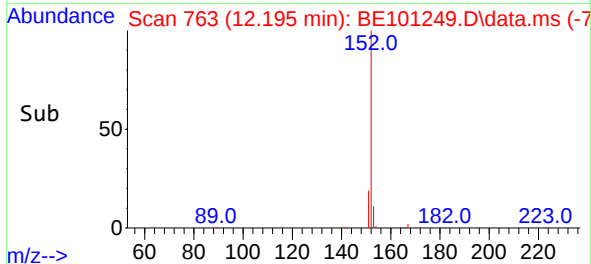
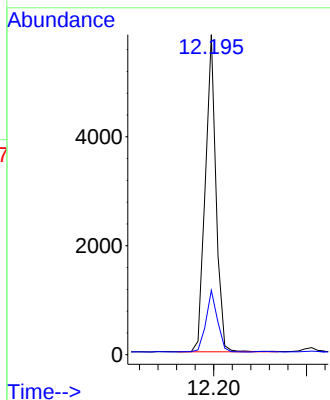
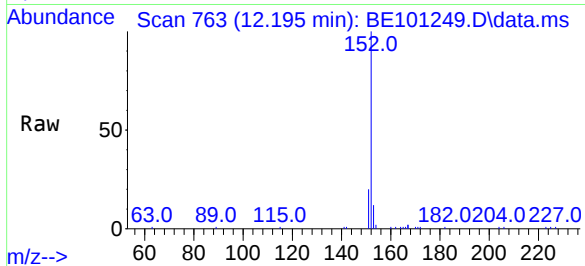




#11
2-Methylnaphthalene-d10
Concen: 0.26 ng
RT: 12.195 min Scan# 763
Delta R.T. -0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

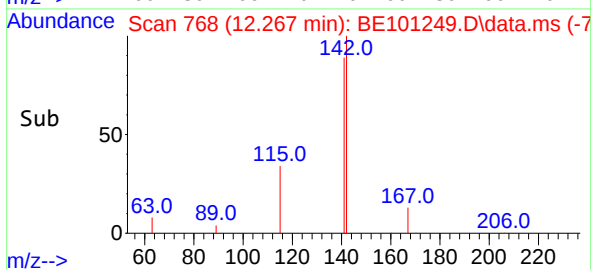
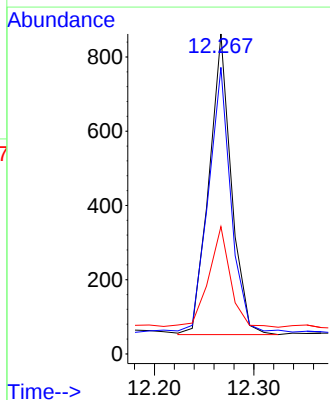
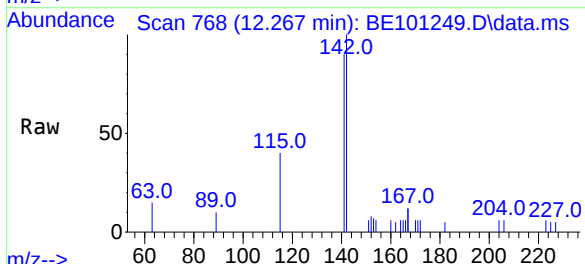
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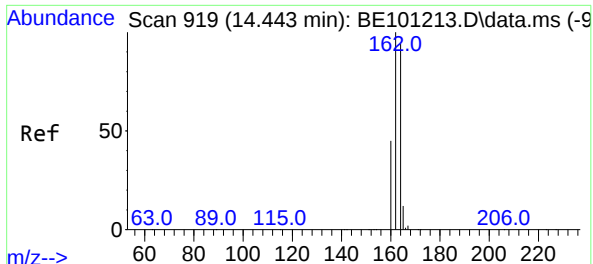
Tgt Ion:152 Resp: 9323
Ion Ratio Lower Upper
152 100
151 20.9 16.5 24.7



#12
2-Methylnaphthalene
Concen: 0.04 ng
RT: 12.267 min Scan# 768
Delta R.T. -0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

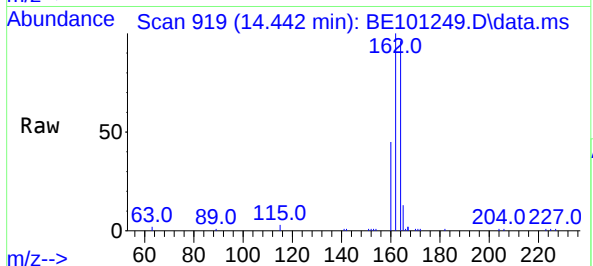
Tgt Ion:142 Resp: 1264
Ion Ratio Lower Upper
142 100
141 89.6 73.0 109.6
115 39.8 27.8 41.8





#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.442 min Scan# 919
Delta R.T. -0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

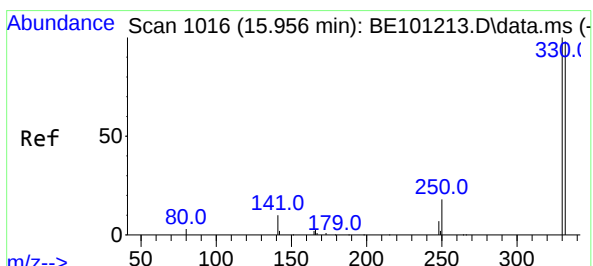
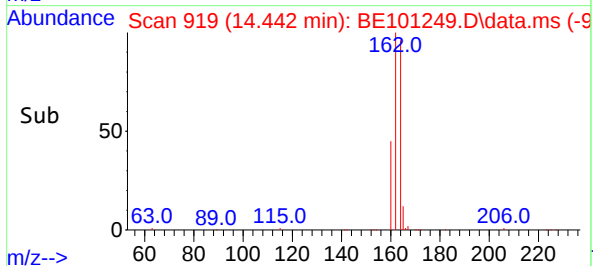
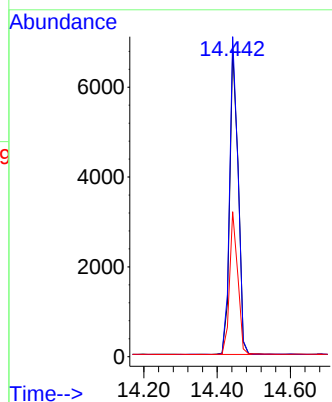
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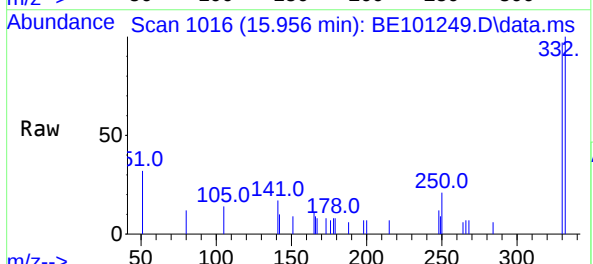
Tgt Ion:164 Resp: 10906
Ion Ratio Lower Upper
164 100
162 104.2 85.3 127.9
160 47.2 39.1 58.7

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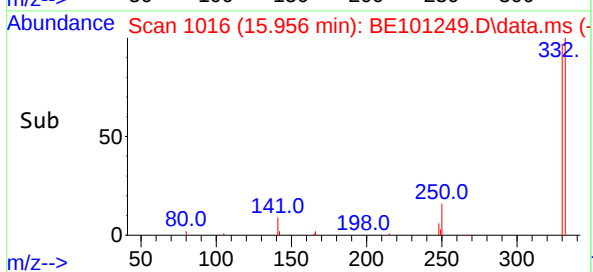
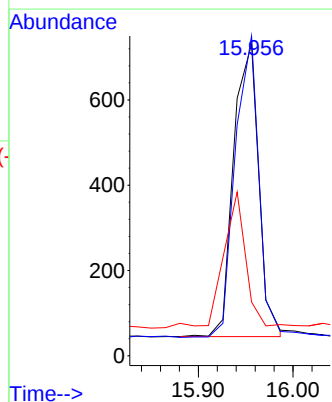
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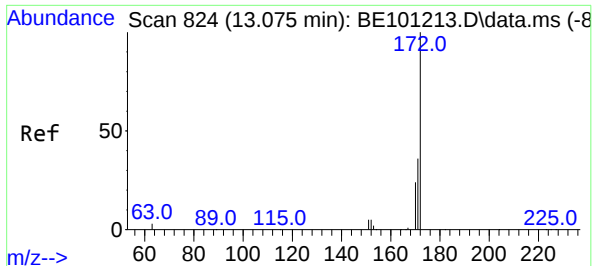


#14
2,4,6-Tribromophenol
Concen: 0.43 ng
RT: 15.956 min Scan# 1016
Delta R.T. 0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47



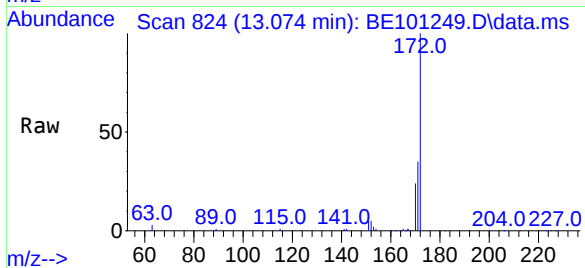
Tgt Ion:330 Resp: 1261
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.6
141 38.2 30.4 45.6





#15
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 13.074 min Scan# 824
Delta R.T. -0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

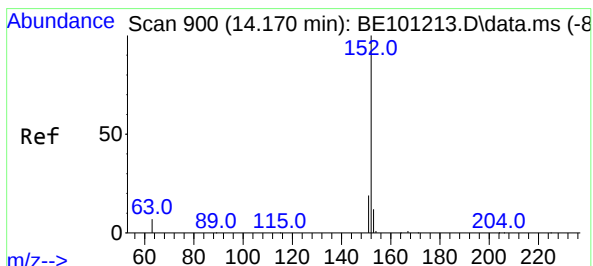
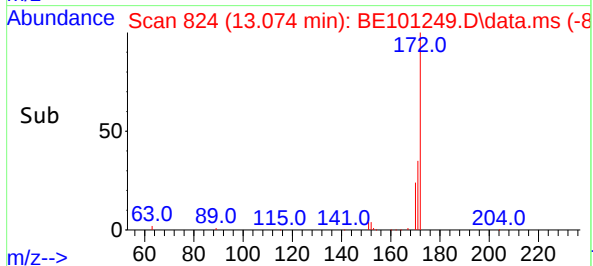
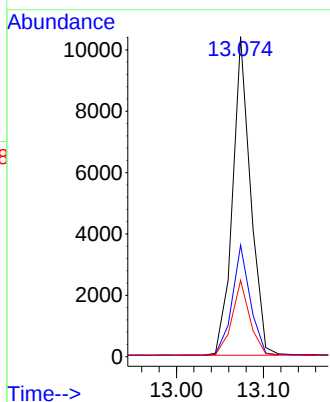
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ClientSampled :
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Tgt Ion:	172	Resp:	14941
Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	23.9	19.3	28.9

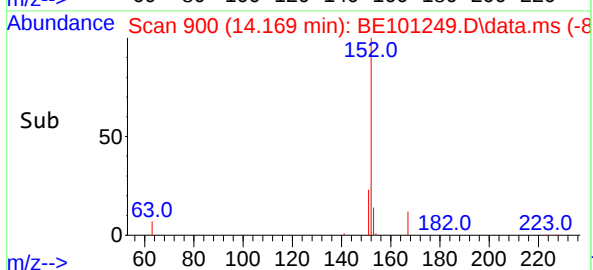
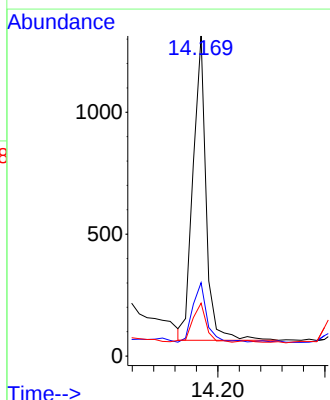
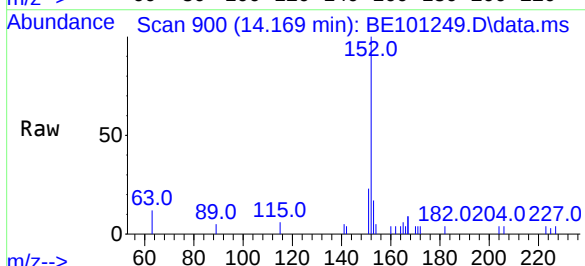
Manual Integrations
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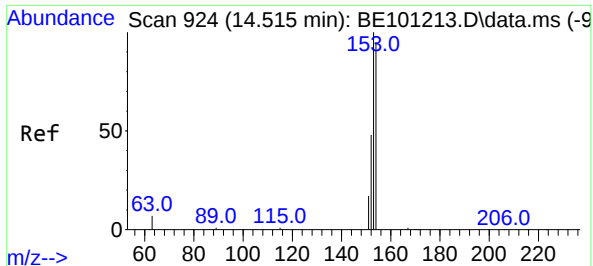
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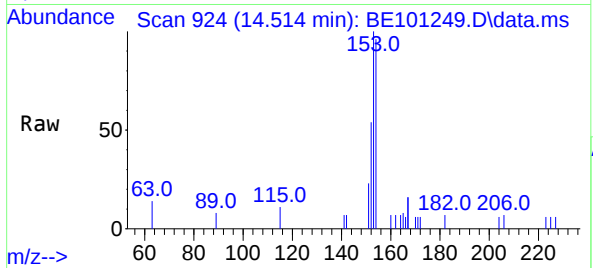
#16
Acenaphthylene
Concen: 0.05 ng
RT: 14.169 min Scan# 900
Delta R.T. -0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

Tgt Ion:	152	Resp:	2113
Ion	Ratio	Lower	Upper
152	100		
151	21.3	15.4	23.2
153	13.4	10.0	15.0

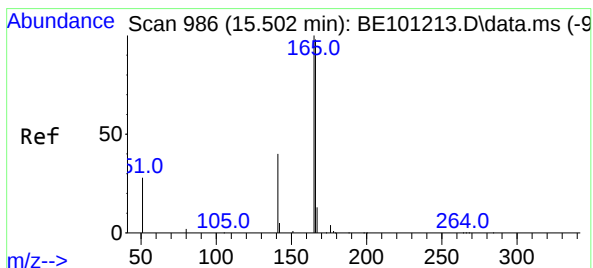
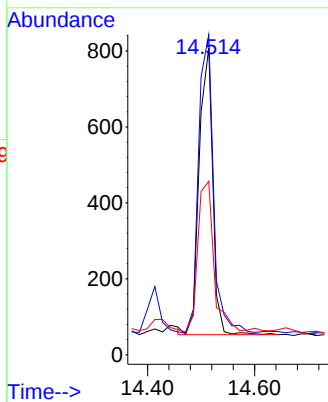
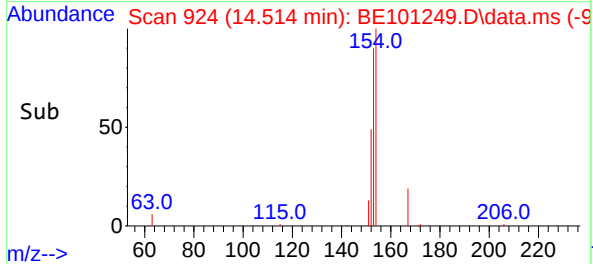




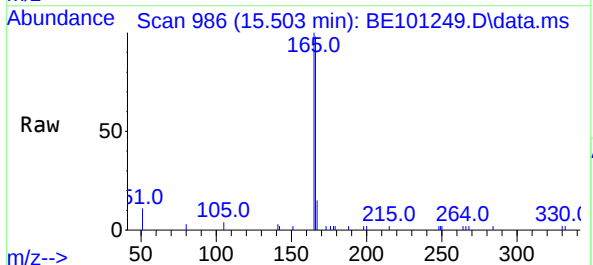
#17
Acenaphthene
Concen: 0.04 ng
RT: 14.514 min Scan# 924
Delta R.T. -0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47



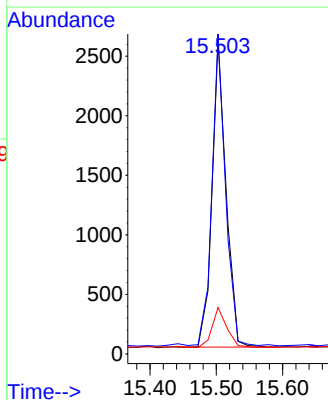
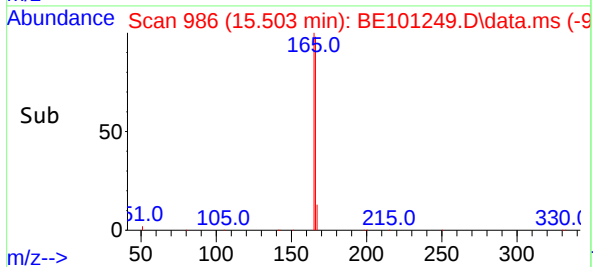
Tgt Ion:	154	Resp:	1321
Ion	Ratio	Lower	Upper
154	100		
153	114.3	84.9	127.3
152	62.6	42.7	64.1



#18
Fluorene
Concen: 0.09 ng
RT: 15.503 min Scan# 986
Delta R.T. 0.001 min
Lab File: BE101249.D
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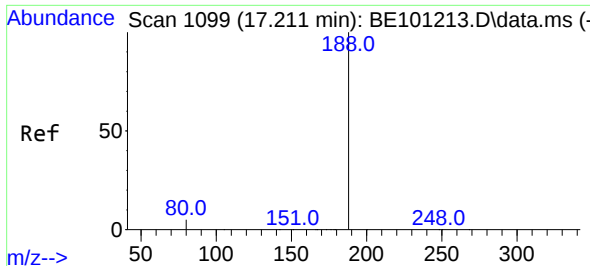
Tgt Ion:	166	Resp:	3759
Ion	Ratio	Lower	Upper
166	100		
165	101.6	79.0	118.4
167	13.6	11.0	16.4



Instrument :
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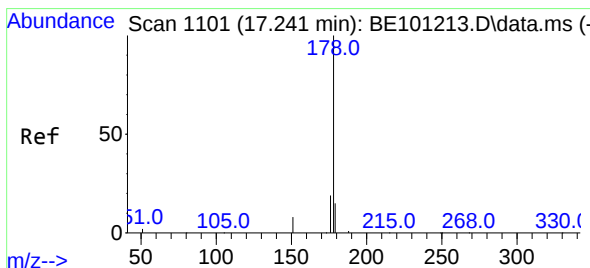
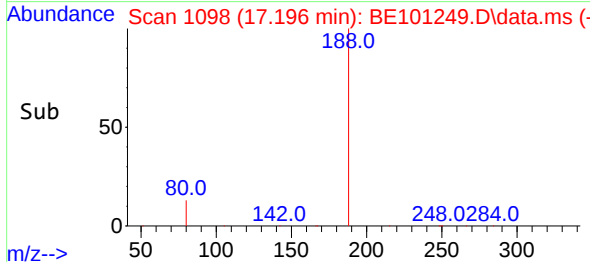
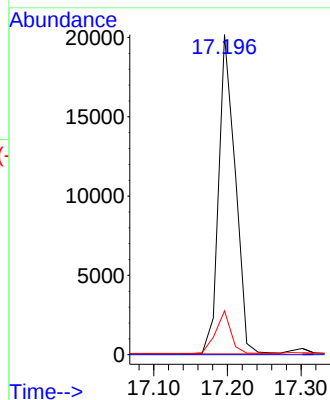
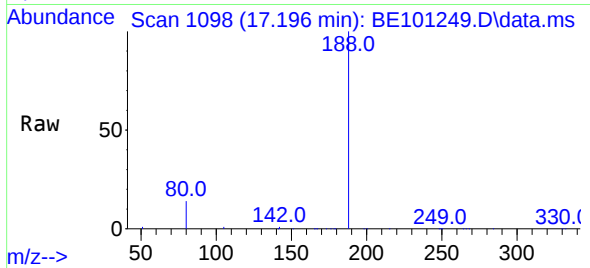
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.196 min Scan# 1098
Delta R.T. -0.014 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

Tgt Ion:188 Resp: 31409
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.7 4.6 6.8#

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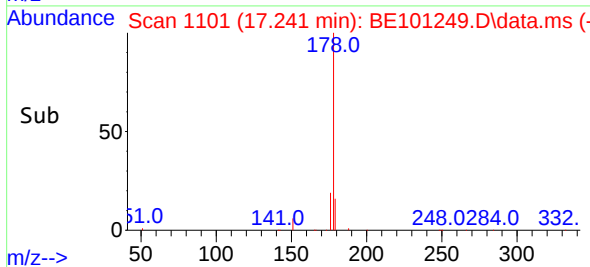
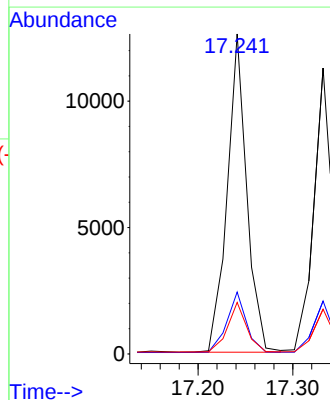
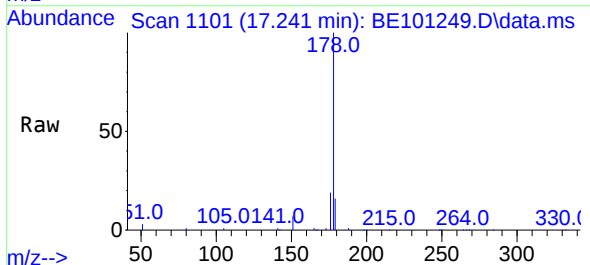
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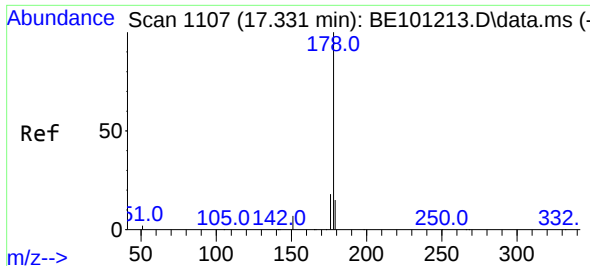
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#25
Phenanthrene
Concen: 0.19 ng
RT: 17.241 min Scan# 1101
Delta R.T. 0.001 min
Lab File: BE101249.D
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Tgt Ion:178 Resp: 18059
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 15.3 12.2 18.4





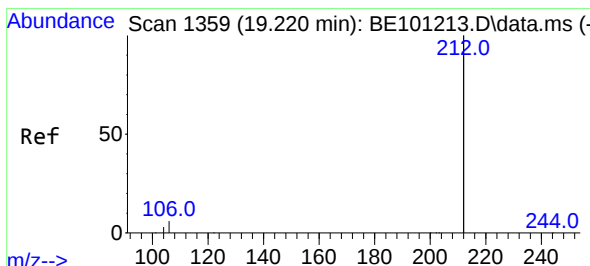
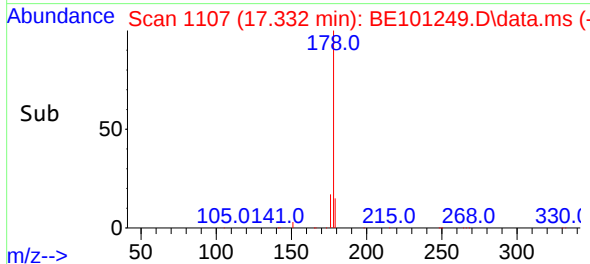
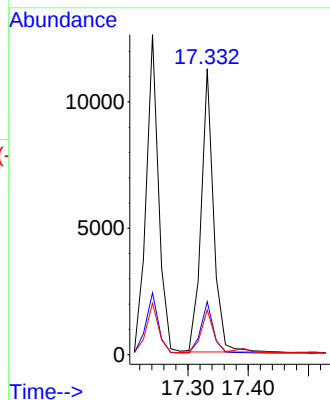
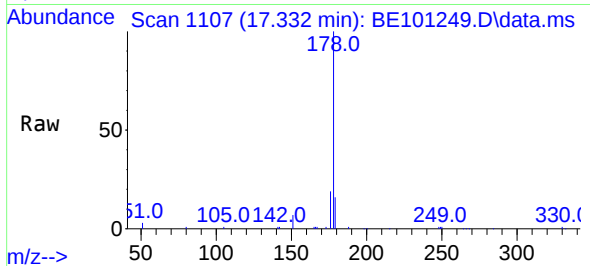
#26
 Anthracene
 Concen: 0.20 ng
 RT: 17.332 min Scan# 1107
 Delta R.T. 0.001 min
 Lab File: BE101249.D
 Acq: 8 Apr 2021 16:47

Tgt Ion:	178	Resp:	15917
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.4	21.6
179	15.6	11.8	17.8

Instrument :
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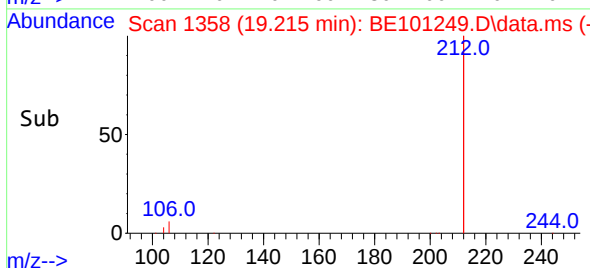
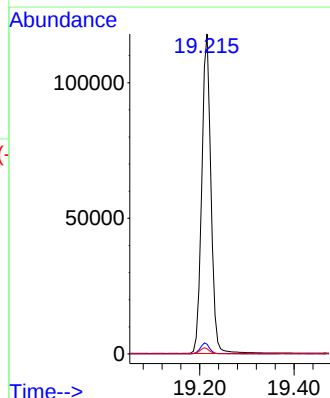
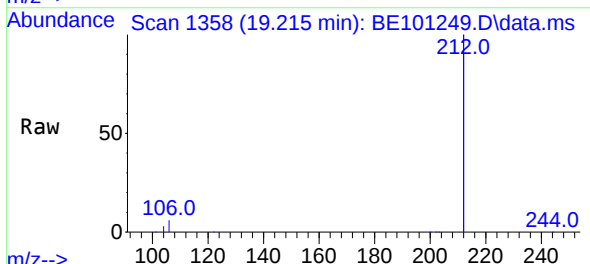
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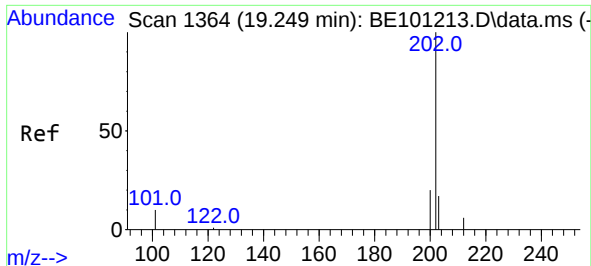
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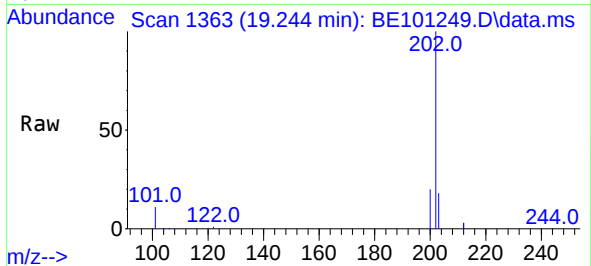
#27
 Fluoranthene-d10
 Concen: 0.29 ng
 RT: 19.215 min Scan# 1358
 Delta R.T. 0.001 min
 Lab File: BE101249.D
 Acq: 8 Apr 2021 16:47

Tgt Ion:	212	Resp:	160475
Ion Ratio	Lower	Upper	
212	100		
106	3.4	2.6	4.0
104	1.9	1.4	2.2

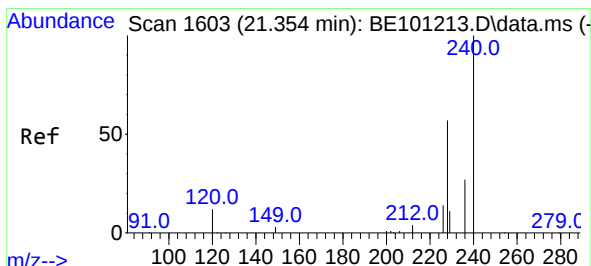
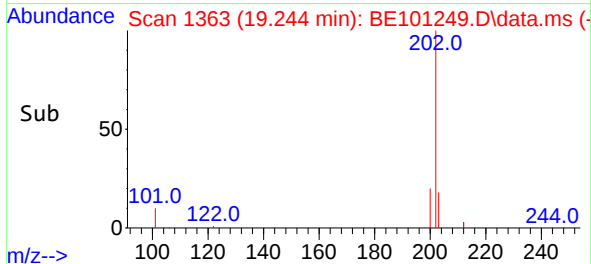
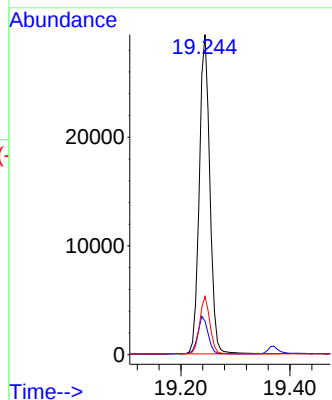




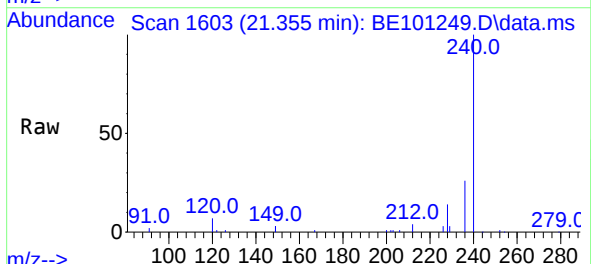
#28
Fluoranthene
Concen: 0.33 ng
RT: 19.244 min Scan# 1363
Delta R.T. 0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47



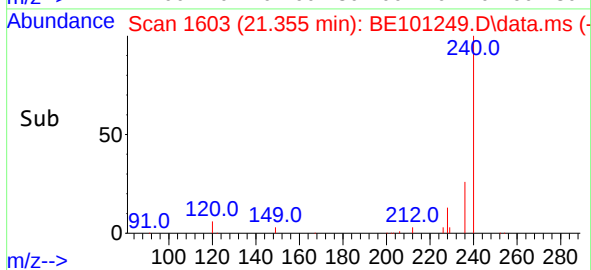
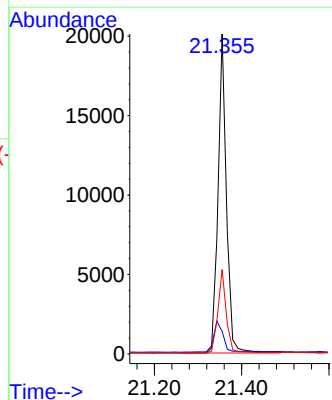
Tgt Ion:202 Resp: 39302
Ion Ratio Lower Upper
202 100
101 11.7 9.1 13.7
203 17.3 13.6 20.4



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.355 min Scan# 1603
Delta R.T. 0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47



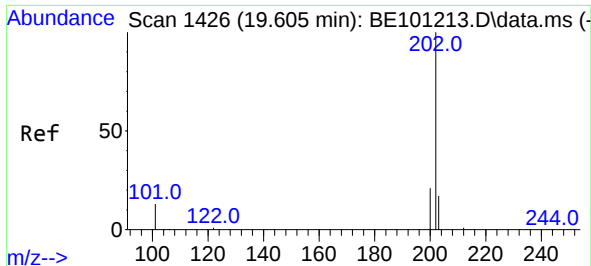
Tgt Ion:240 Resp: 26868
Ion Ratio Lower Upper
240 100
120 7.1 10.2 15.4#
236 26.4 21.7 32.5



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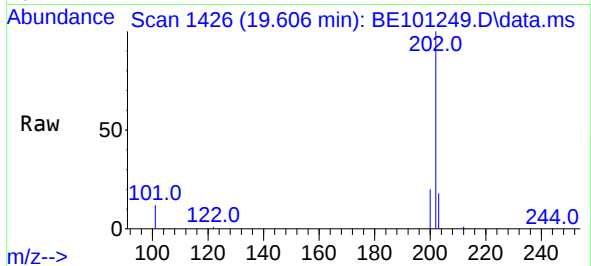
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#30
Pyrene
Concen: 0.39 ng
RT: 19.606 min Scan# 1426
Delta R.T. 0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

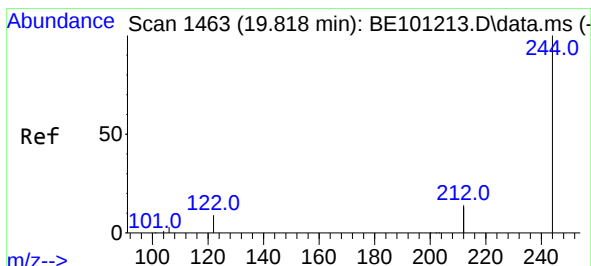
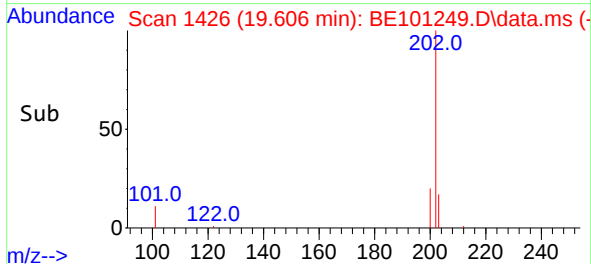
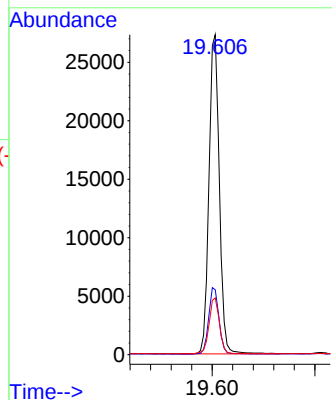
Instrument :
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ClientSampleId :
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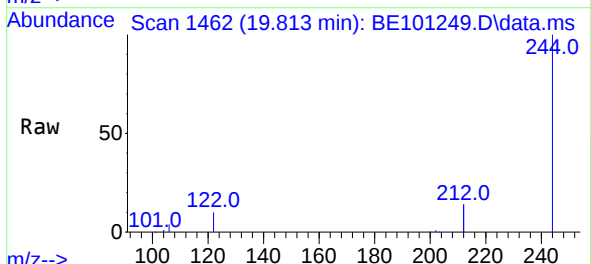
Tgt Ion:	202	Resp:	38301
Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	17.8	13.8	20.8

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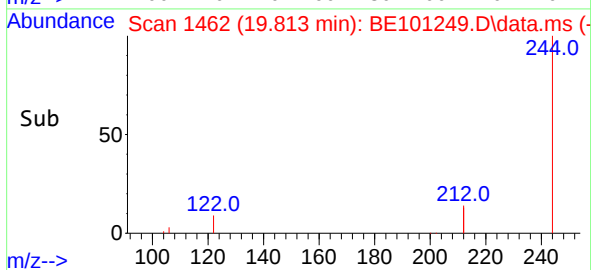
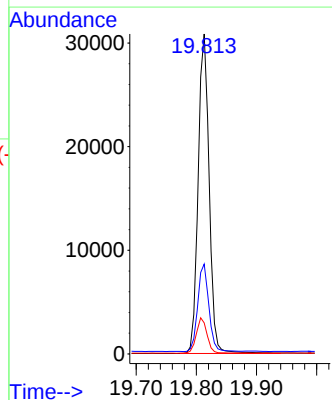
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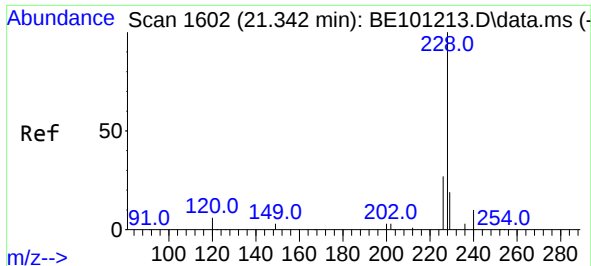


#31
Terphenyl-d14
Concen: 0.54 ng
RT: 19.813 min Scan# 1462
Delta R.T. 0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47



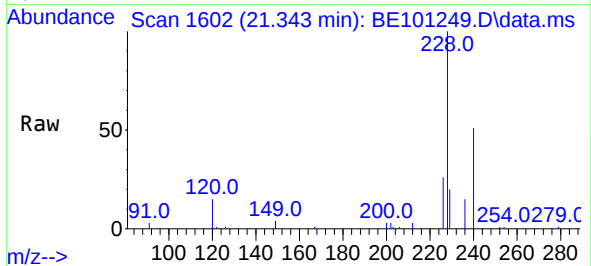
Tgt Ion:	244	Resp:	39076
Ion	Ratio	Lower	Upper
244	100		
212	28.1	21.9	32.9
122	9.7	7.3	10.9





#32
Benzo(a)anthracene
Concen: 0.29 ng
RT: 21.343 min Scan# 1602
Delta R.T. 0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

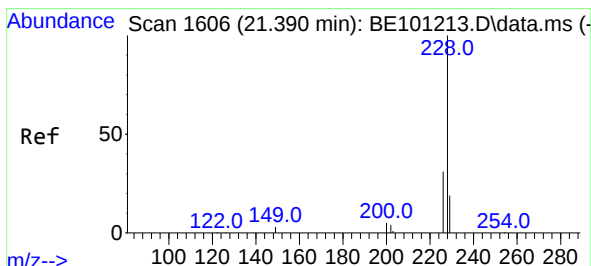
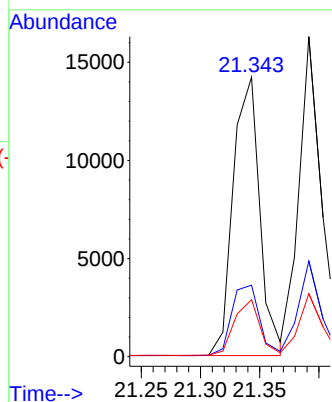
Instrument :
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ClientSampleId :
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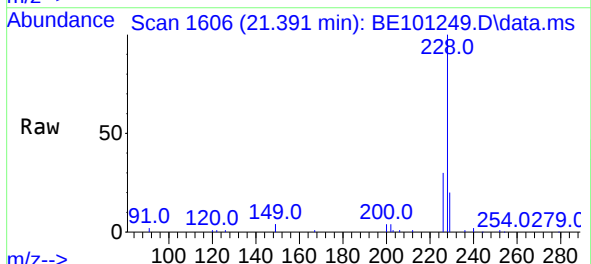
Tgt Ion:228 Resp: 22155
Ion Ratio Lower Upper
228 100
226 25.6 21.4 32.2
229 20.4 15.7 23.5

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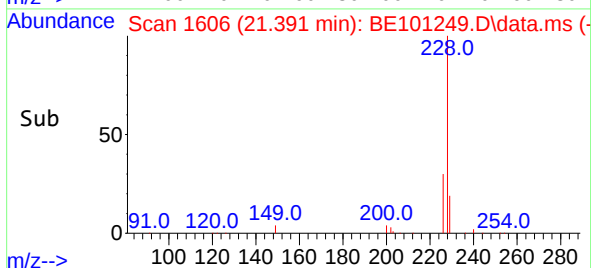
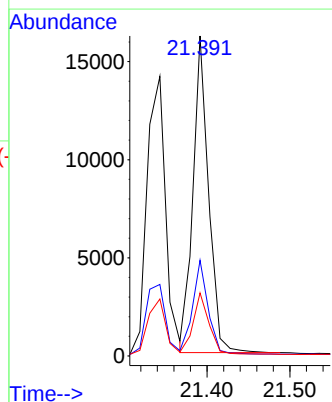
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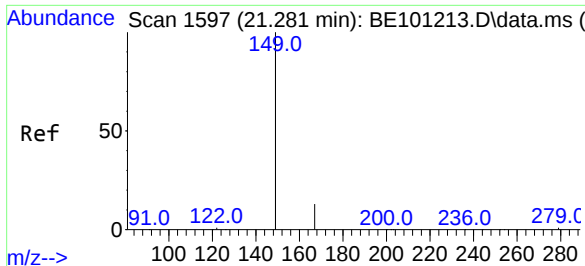


#33
Chrysene
Concen: 0.24 ng
RT: 21.391 min Scan# 1606
Delta R.T. 0.001 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47



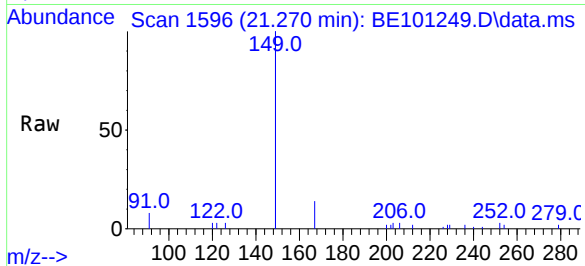
Tgt Ion:228 Resp: 21137
Ion Ratio Lower Upper
228 100
226 29.9 24.8 37.2
229 19.7 15.2 22.8





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.20 ng
RT: 21.270 min Scan# 1596
Delta R.T. -0.011 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

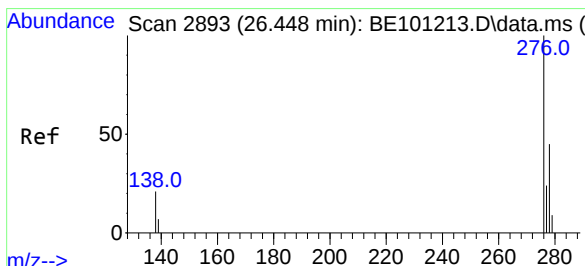
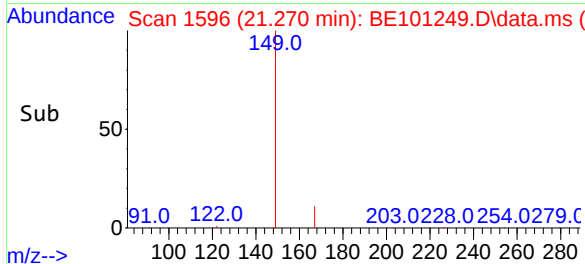
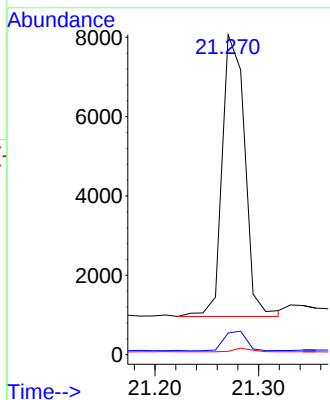
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Tgt Ion:149 Resp: 10735
Ion Ratio Lower Upper
149 100
167 7.0 5.5 8.3
279 1.1 1.0 1.4

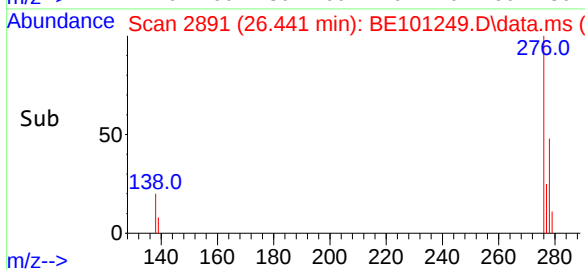
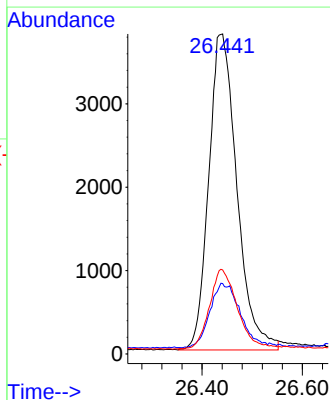
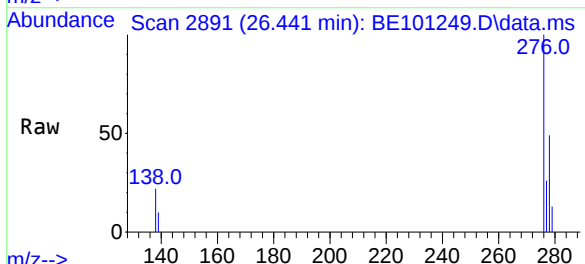
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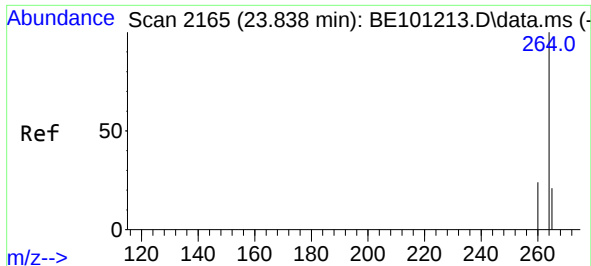
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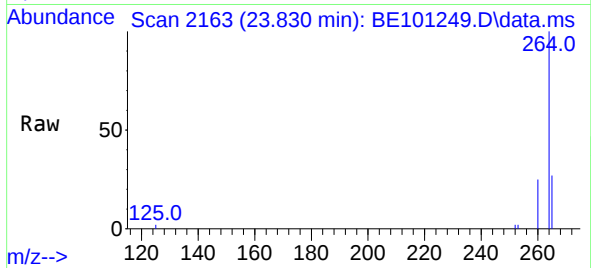
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.22 ng
RT: 26.441 min Scan# 2891
Delta R.T. -0.003 min
Lab File: BE101249.D
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Tgt Ion:276 Resp: 14776
Ion Ratio Lower Upper
276 100
138 21.9 17.4 26.0
277 24.9 19.8 29.8



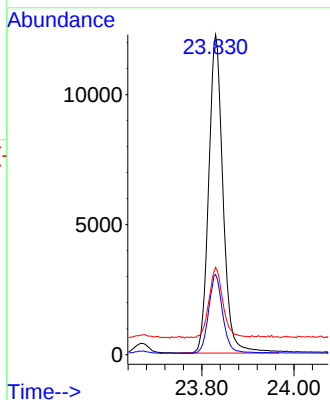


#36
Perylene-d12
Concen: 0.40 ng
RT: 23.830 min Scan# 2163
Delta R.T. -0.005 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47



Tgt Ion: 264 Resp: 26354

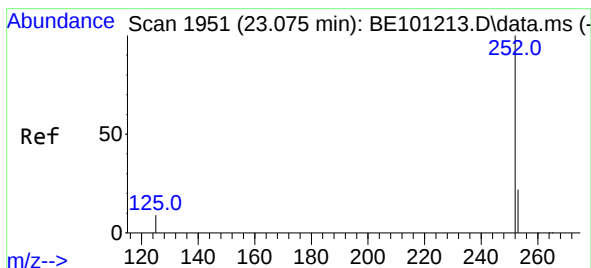
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.3	28.9
265	27.2	22.4	33.6



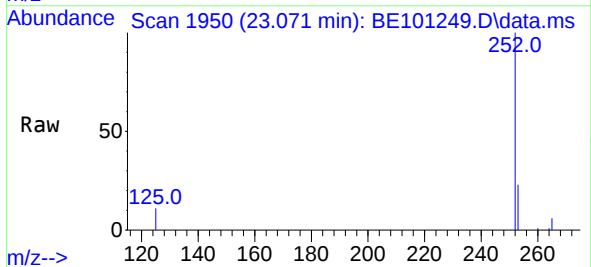
Instrument :
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ClientSampleId :
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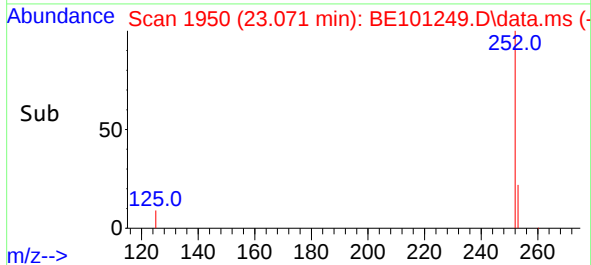
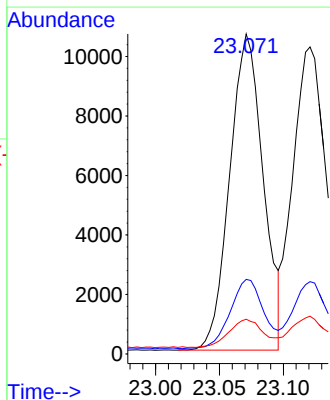


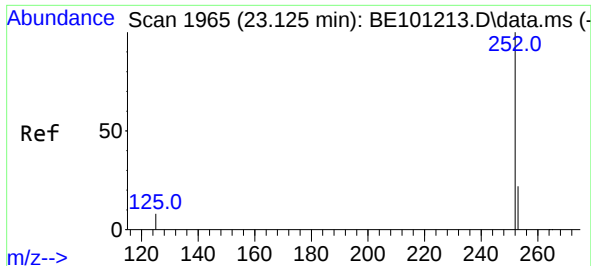
#37
Benzo(b)fluoranthene
Concen: 0.22 ng
RT: 23.071 min Scan# 1950
Delta R.T. -0.005 min
Lab File: BE101249.D
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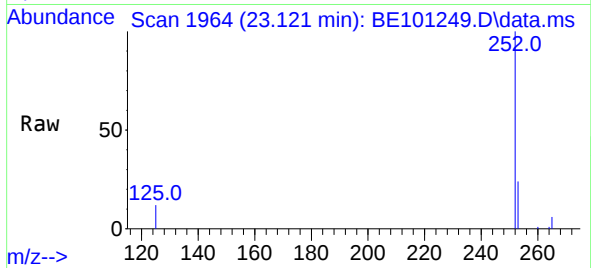
Tgt Ion: 252 Resp: 19340

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	10.8	7.6	11.4

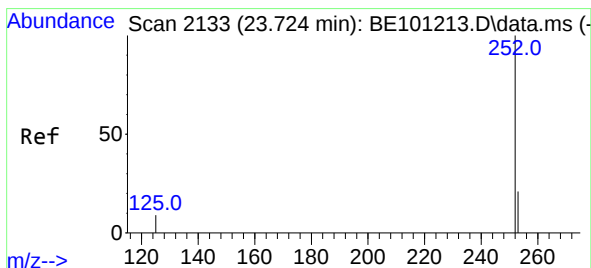
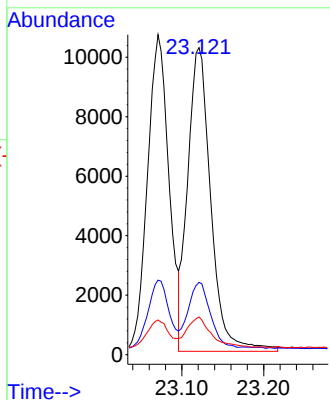
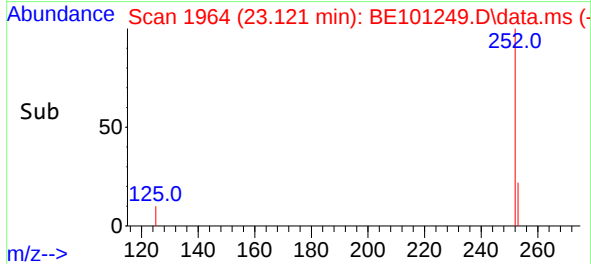




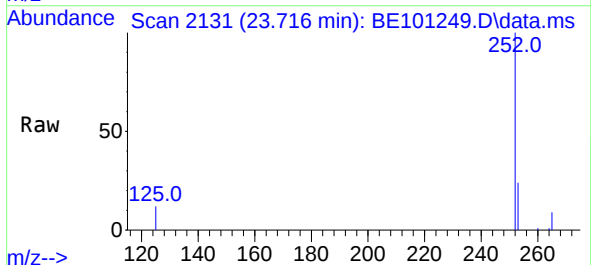
#38
Benzo(k)fluoranthene
Concen: 0.21 ng m
RT: 23.121 min Scan# 1964
Delta R.T. -0.005 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47



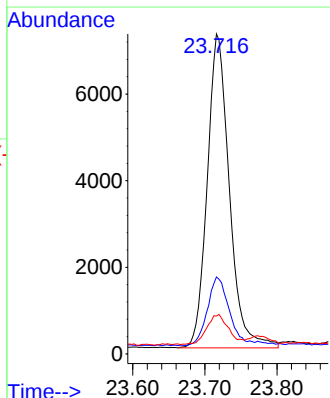
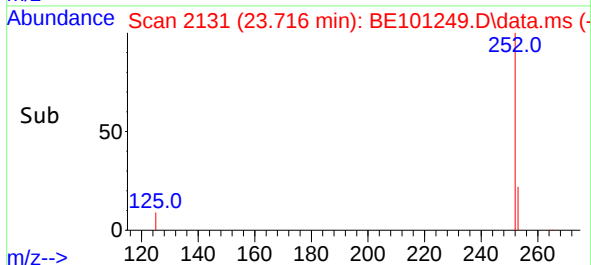
Tgt Ion:252 Resp: 20052
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 12.3 7.6 11.4#



#39
Benzo(a)pyrene
Concen: 0.21 ng
RT: 23.716 min Scan# 2131
Delta R.T. -0.008 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47



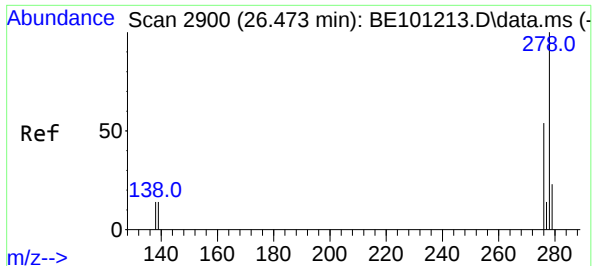
Tgt Ion:252 Resp: 15442
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 11.8 8.0 12.0



Instrument :
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ClientSampleId :
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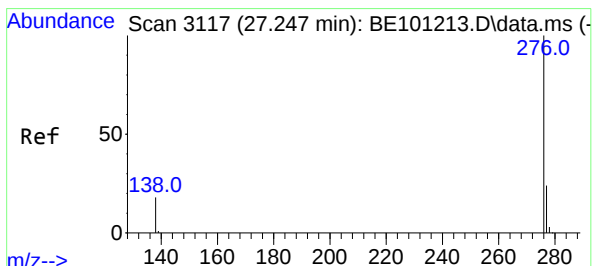
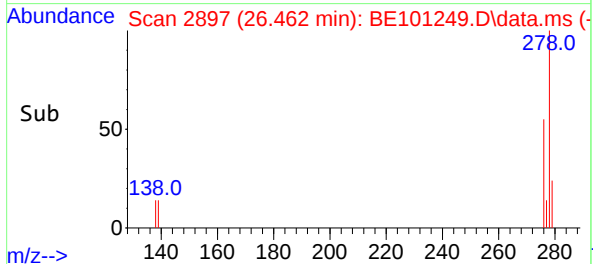
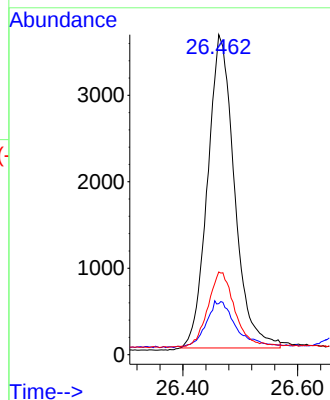
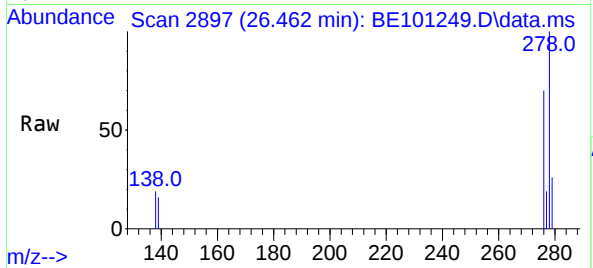
#40
Dibenzo(a,h)anthracene
Concen: 0.17 ng
RT: 26.462 min Scan# 2897
Delta R.T. -0.011 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

Tgt Ion:	278	Resp:	11801
Ion Ratio	Lower	Upper	
278	100		
139	16.0	12.2	18.2
279	25.9	19.3	28.9

Instrument :
BNA_E
ClientSampleId :
EB-01-040721

Manual Integrations
APPROVED

mohammad
4/9/2021 11:19:28 AM



#41
Benzo(g,h,i)perylene
Concen: 0.16 ng
RT: 27.236 min Scan# 3114
Delta R.T. -0.007 min
Lab File: BE101249.D
Acq: 8 Apr 2021 16:47

Tgt Ion:	276	Resp:	12184
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.4	29.0
138	20.3	15.2	22.8

