

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040821\
 Data File : BE101250.D
 Acq On : 8 Apr 2021 17:23
 Operator : CG/JU
 Sample : M1977-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 GWBR3-200-220-040721

Manual Integrations
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mohammad
 4/9/2021 11:19:31 AM

Quant Time: Apr 08 18:34:13 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	4167	0.40	ng	# 0.00
7) Naphthalene-d8	10.614	136	20845	0.40	ng	# 0.00
13) Acenaphthene-d10	14.443	164	16246	0.40	ng	0.00
19) Phenanthrene-d10	17.197	188	39969	0.40	ng	#-0.01
29) Chrysene-d12	21.354	240	29883	0.40	ng	0.00
36) Perylene-d12	23.834	264	30122	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.420	112	1907	0.19	ng	0.00
5) Phenol-d6	6.987	99	1928	0.13	ng	0.00
8) Nitrobenzene-d5	8.977	82	6558	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.196	152	11773	0.24	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	2807	0.64	ng	0.00
15) 2-Fluorobiphenyl	13.075	172	18667	0.32	ng	0.00
27) Fluoranthene-d10	19.214	212	156161	0.23	ng	0.00
31) Terphenyl-d14	19.811	244	35333	0.44	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.370	88	27657	4.35	ng	# 94
9) Naphthalene	10.666	128	36400	0.16	ng	99
12) 2-Methylnaphthalene	12.268	142	6032	0.15	ng	95
16) Acenaphthylene	14.170	152	3760	0.06	ng	# 80
17) Acenaphthene	14.515	154	2486	0.05	ng	97
18) Fluorene	15.503	166	5834	0.09	ng	# 98
24) Pentachlorophenol	16.849	266	435	0.06	ng	99
25) Phenanthrene	17.242	178	28669	0.24	ng	99
26) Anthracene	17.333	178	18511	0.18	ng	98
28) Fluoranthene	19.242	202	39130	0.25	ng	# 89
30) Pyrene	19.604	202	37983	0.35	ng	97
32) Benzo(a)anthracene	21.342	228	21106	0.25	ng	97
33) Chrysene	21.390	228	19724	0.20	ng	97
34) Bis(2-ethylhexyl)phtha...	21.281	149	37365	0.61	ng	100
35) Indeno(1,2,3-cd)pyrene	26.442	276	11707	0.16	ng	98
37) Benzo(b)fluoranthene	23.071	252	17740	0.18	ng	# 91
38) Benzo(k)fluoranthene	23.121	252	15825m	0.14	ng	
39) Benzo(a)pyrene	23.720	252	13458	0.16	ng	# 88
40) Dibenzo(a,h)anthracene	26.467	278	8856	0.11	ng	# 90
41) Benzo(g,h,i)perylene	27.241	276	10338	0.12	ng	# 95

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

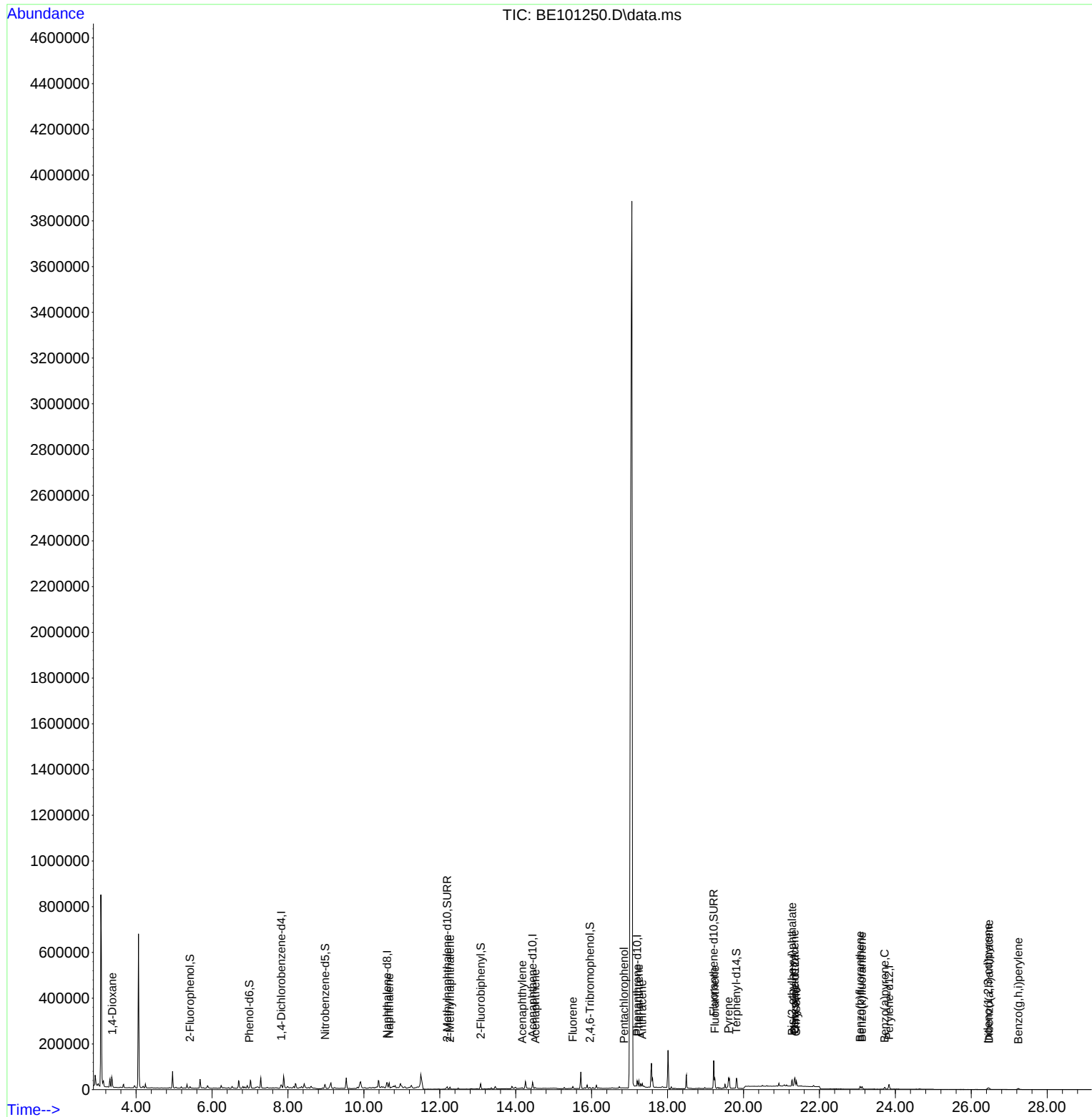
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040821\
Data File : BE101250.D
Acq On : 8 Apr 2021 17:23
Operator : CG/JU
Sample : M1977-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

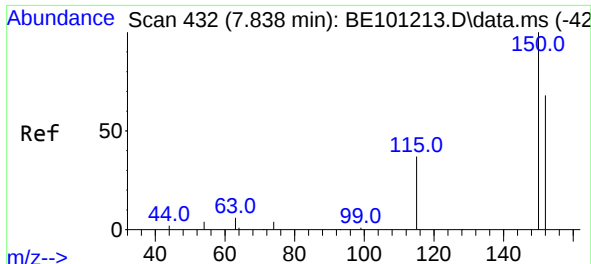
Instrument :
BNA_E
ClientSampleId :
GWR3-200-220-040721

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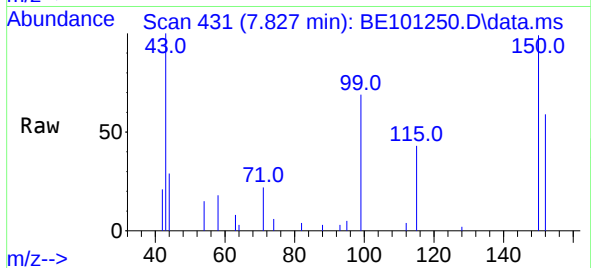
Quant Time: Apr 08 18:34:13 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-SIM-BE040621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 07 10:22:45 2021
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.827 min Scan# 431
 Delta R.T. -0.003 min
 Lab File: BE101250.D
 Acq: 8 Apr 2021 17:23

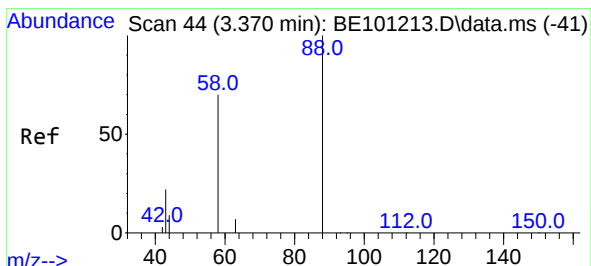
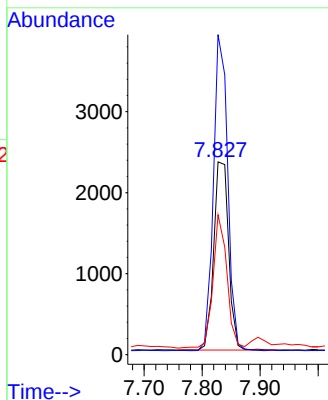
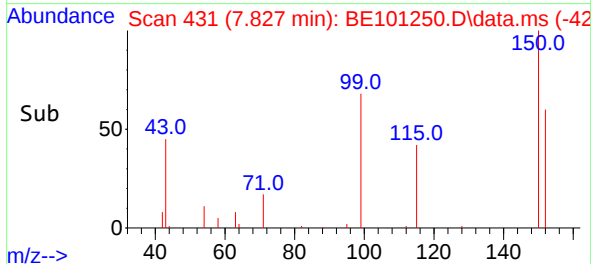
Instrument :
 BNA_E
 ClientSampleId :
 GWBR3-200-220-040721



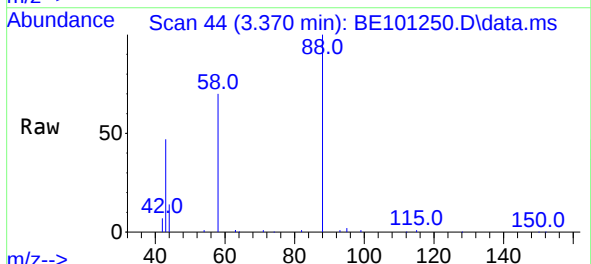
Tgt Ion:152 Resp: 4167
 Ion Ratio Lower Upper
 152 100
 150 165.9 116.9 175.3
 115 72.5 44.5 66.7#

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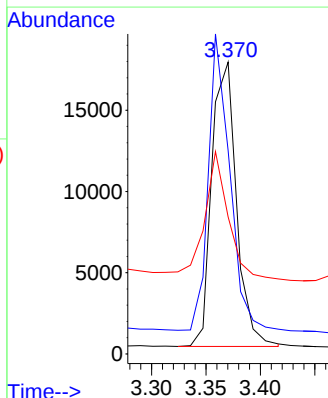
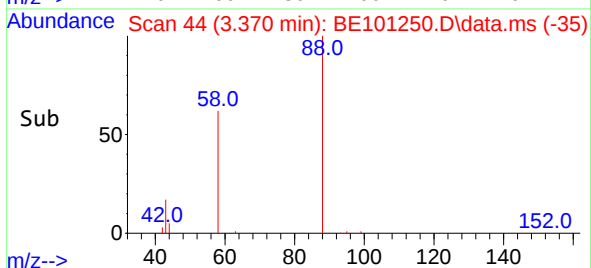
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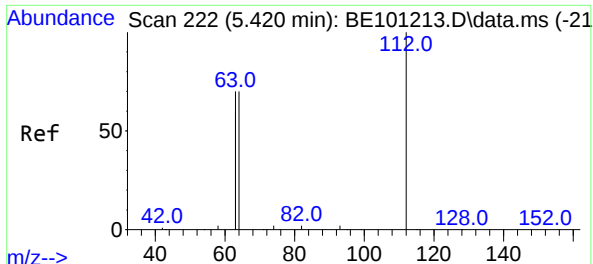


#2
 1,4-Dioxane
 Concen: 4.35 ng
 RT: 3.370 min Scan# 44
 Delta R.T. 0.009 min
 Lab File: BE101250.D
 Acq: 8 Apr 2021 17:23



Tgt Ion: 88 Resp: 27657
 Ion Ratio Lower Upper
 88 100
 58 89.6 73.6 110.4
 43 43.0 27.6 41.4#





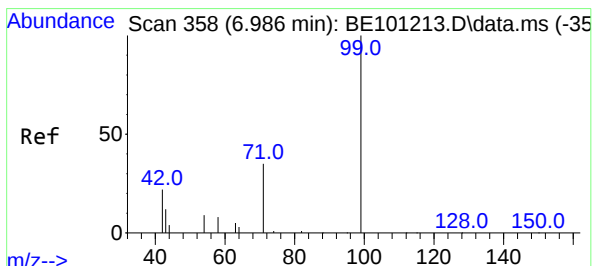
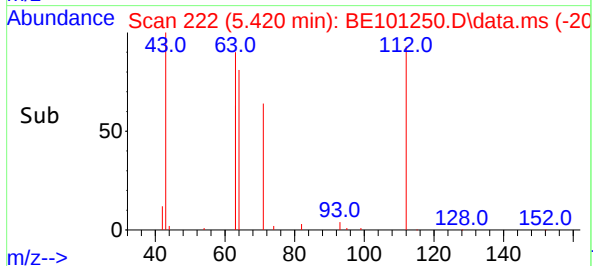
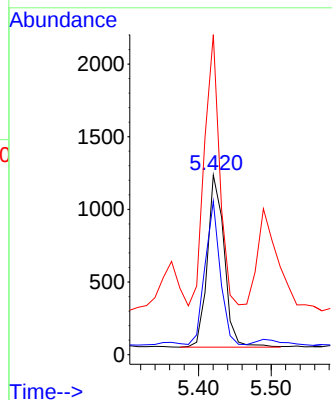
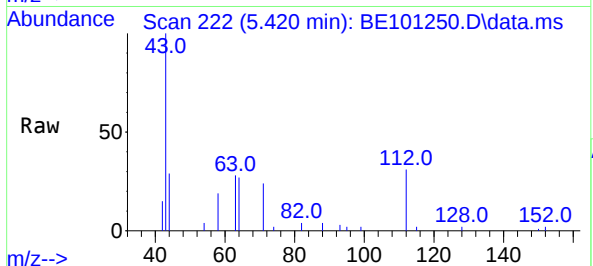
#4
2-Fluorophenol
Concen: 0.19 ng
RT: 5.420 min Scan# 222
Delta R.T. -0.002 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion: 112 Resp: 1907
Ion Ratio Lower Upper
112 100
64 76.0 62.3 93.5
63 148.6 117.3 175.9

Instrument :
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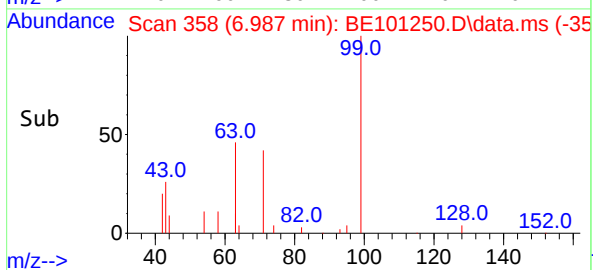
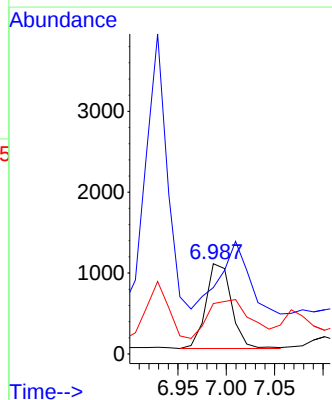
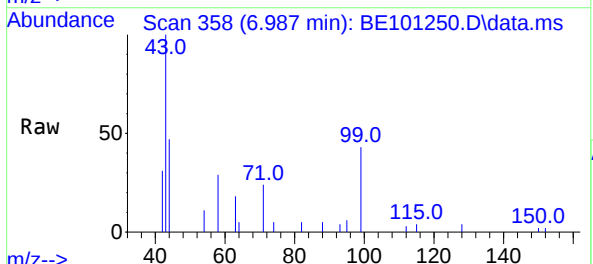
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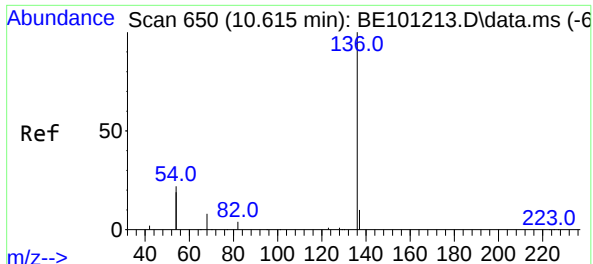
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#5
Phenol-d6
Concen: 0.13 ng
RT: 6.987 min Scan# 358
Delta R.T. -0.002 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

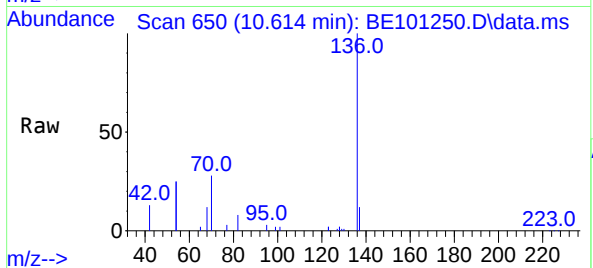
Tgt Ion: 99 Resp: 1928
Ion Ratio Lower Upper
99 100
42 0.0 18.5 27.7#
71 0.0 26.5 39.7#





#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.614 min Scan# 650
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

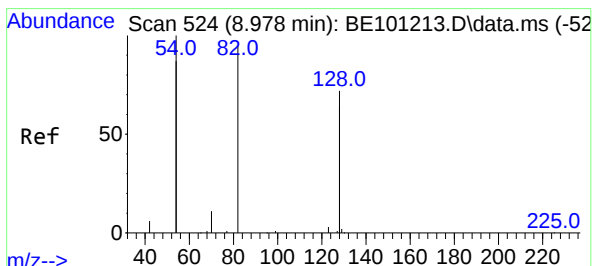
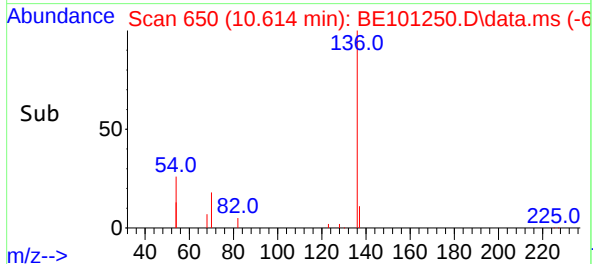
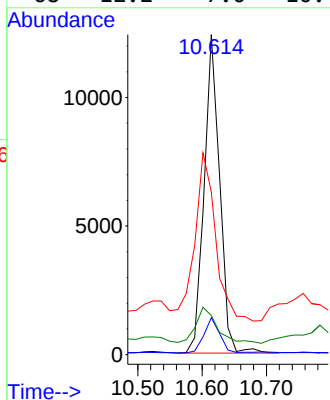
Instrument :
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ClientSampleId :
GWBR3-200-220-040721



Tgt Ion:	136	Resp:	20845
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	13.0
54	50.9	34.7	52.1
68	12.2	7.0	10.4

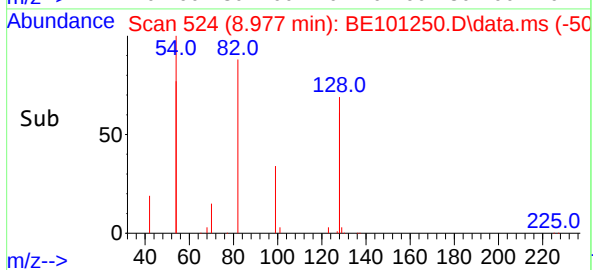
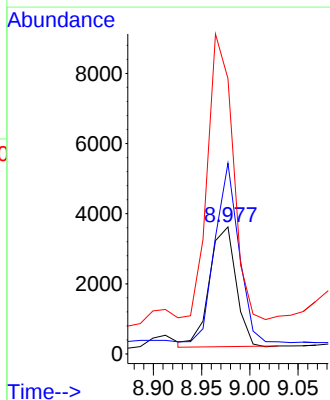
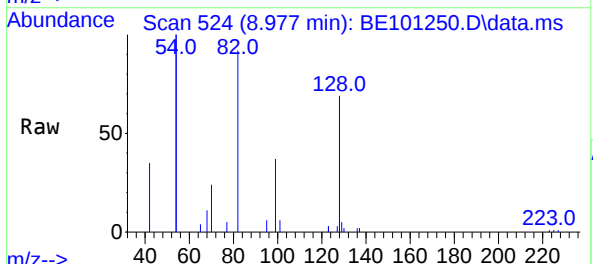
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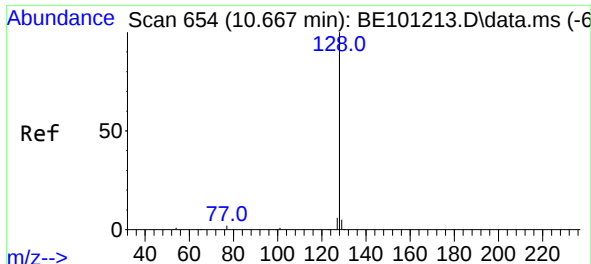
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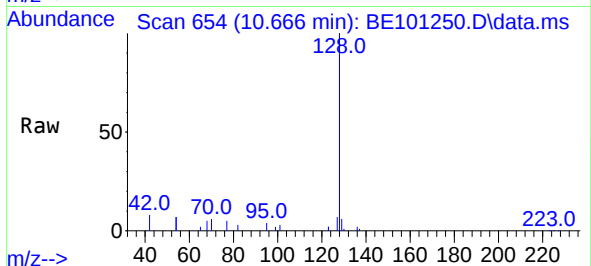
#8
Nitrobenzene-d5
Concen: 0.42 ng
RT: 8.977 min Scan# 524
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion:	82	Resp:	6558
Ion	Ratio	Lower	Upper
82	100		
128	150.1	118.7	178.1
54	216.8	164.4	246.6

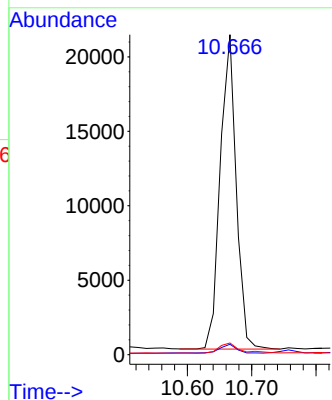
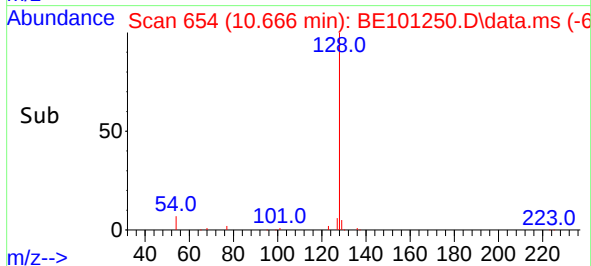




#9
Naphthalene
Concen: 0.16 ng
RT: 10.666 min Scan# 654
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23



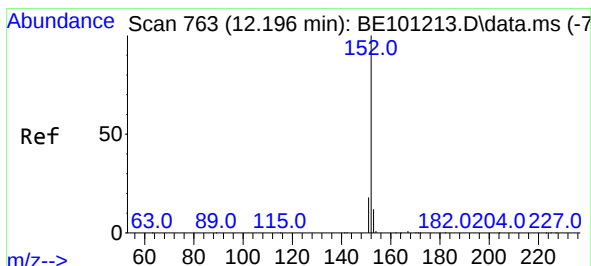
Tgt Ion:128 Resp: 36400
Ion Ratio Lower Upper
128 100
129 3.2 2.2 3.4
127 3.7 2.6 3.8



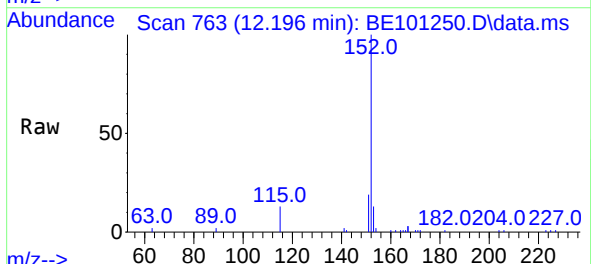
Instrument :
BNA_E
ClientSampleId :
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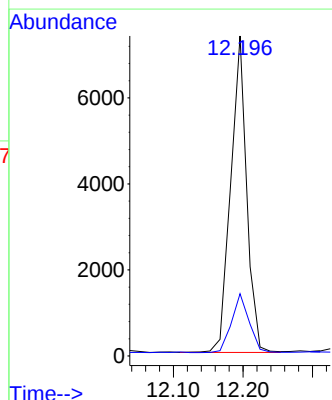
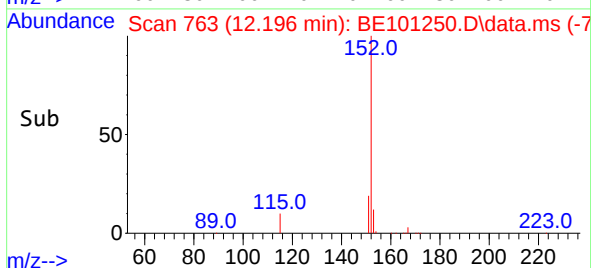
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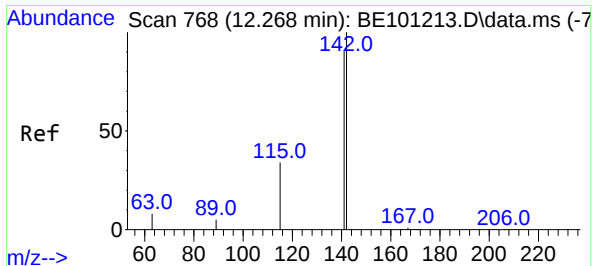


#11
2-Methylnaphthalene-d10
Concen: 0.24 ng
RT: 12.196 min Scan# 763
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23



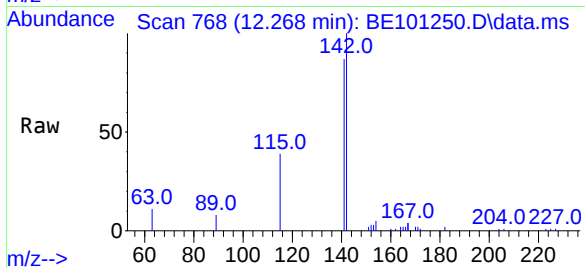
Tgt Ion:152 Resp: 11773
Ion Ratio Lower Upper
152 100
151 20.5 16.5 24.7





#12
2-Methylnaphthalene
Concen: 0.15 ng
RT: 12.268 min Scan# 768
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721

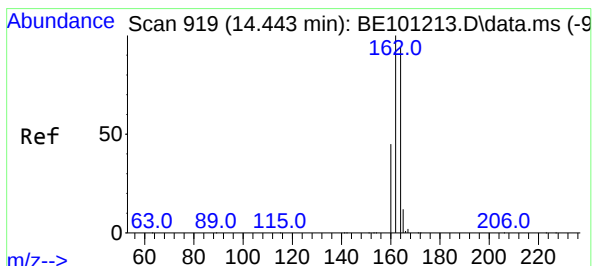
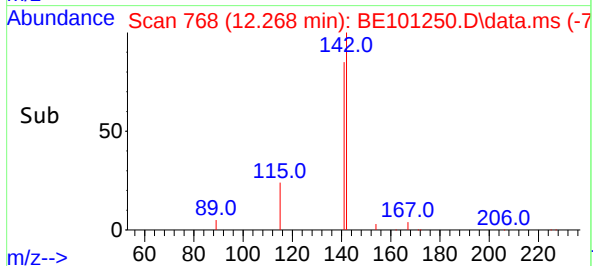
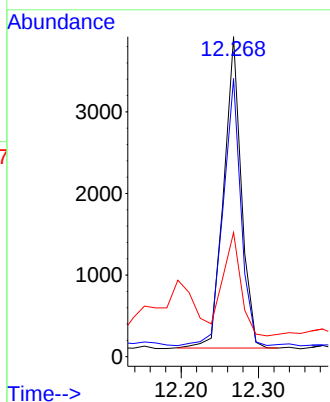


Tgt Ion:142 Resp: 6032

Ion	Ratio	Lower	Upper
142	100		
141	86.9	73.0	109.6
115	38.8	27.8	41.8

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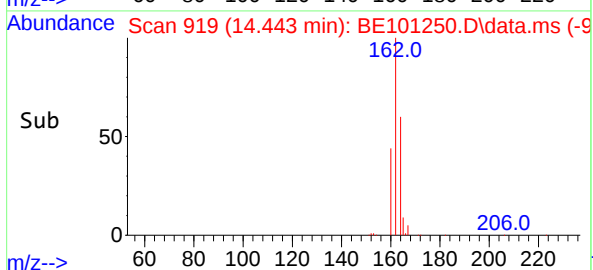
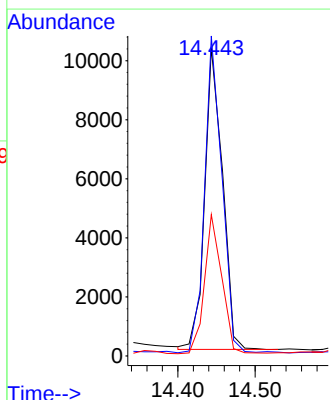
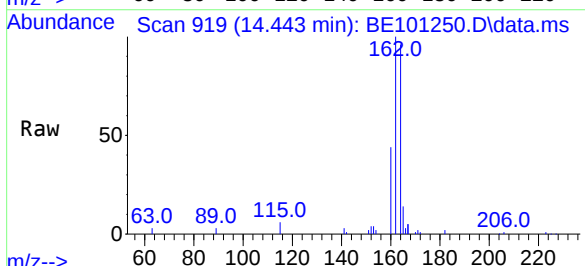
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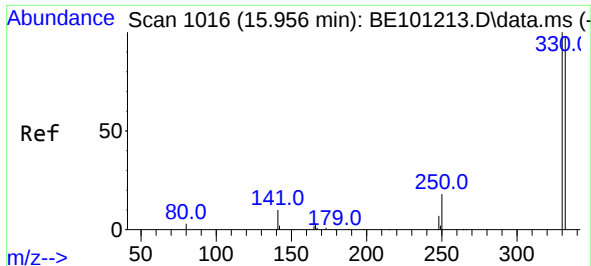


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.443 min Scan# 919
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion:164 Resp: 16246

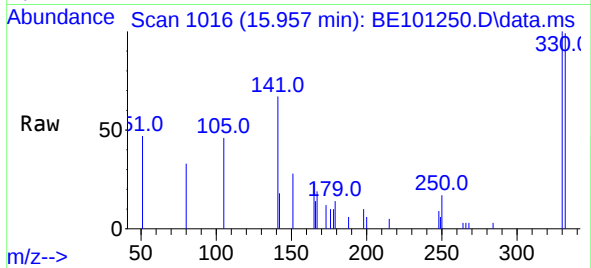
Ion	Ratio	Lower	Upper
164	100		
162	103.9	85.3	127.9
160	45.9	39.1	58.7





#14
2,4,6-Tribromophenol
Concen: 0.64 ng
RT: 15.957 min Scan# 1016
Delta R.T. 0.002 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

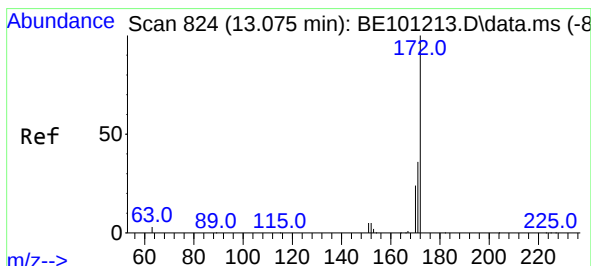
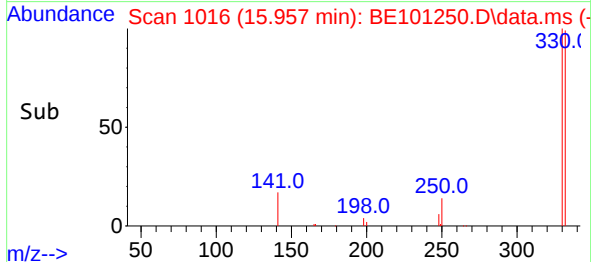
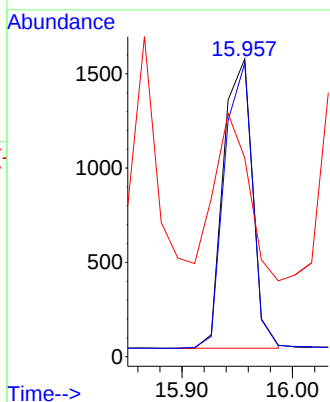
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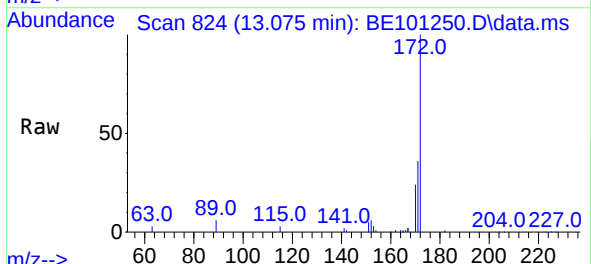
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Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.6
141 67.5 30.4 45.6#

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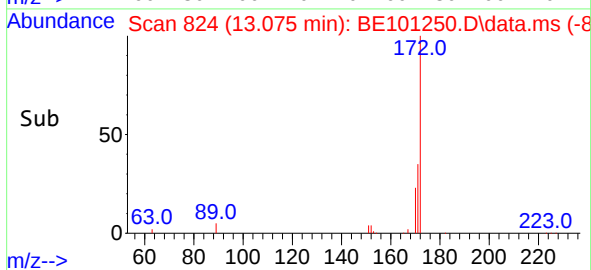
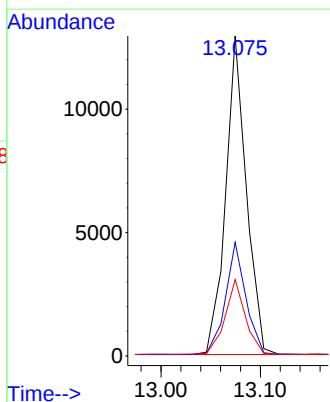
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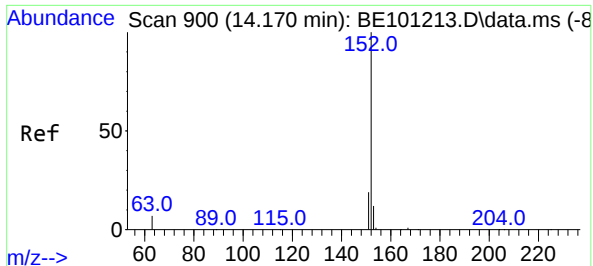


#15
2-Fluorobiphenyl
Concen: 0.32 ng
RT: 13.075 min Scan# 824
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23



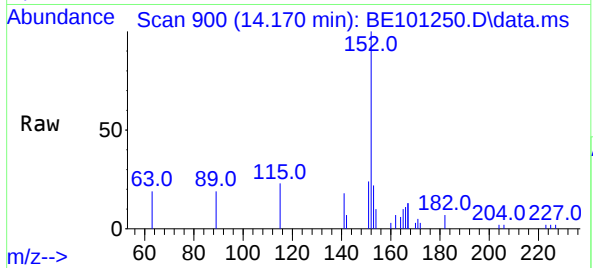
Tgt Ion: 172 Resp: 18667
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.9 19.3 28.9





#16
Acenaphthylene
Concen: 0.06 ng
RT: 14.170 min Scan# 900
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

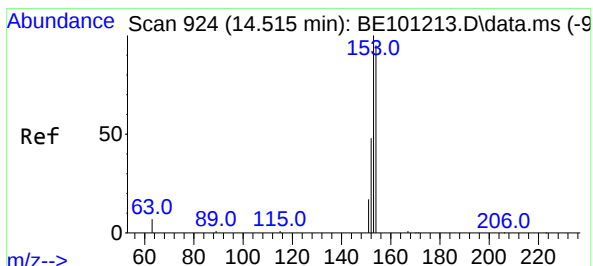
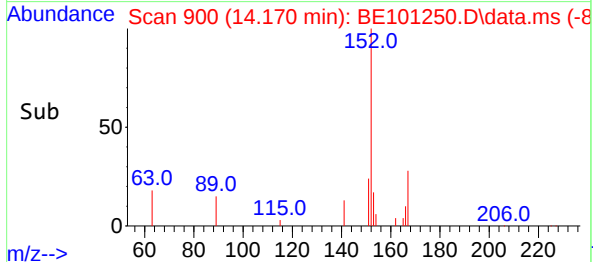
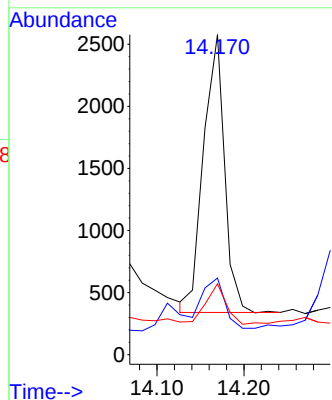
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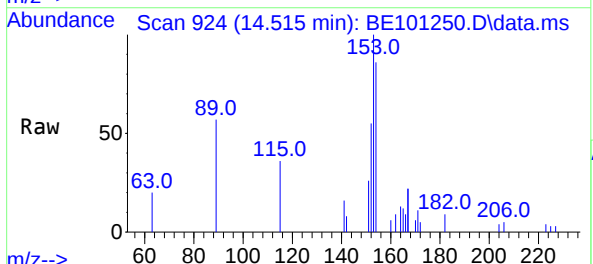
Tgt Ion:152 Resp: 3760
Ion Ratio Lower Upper
152 100
151 33.7 15.4 23.2#
153 13.1 10.0 15.0

Manual Integrations
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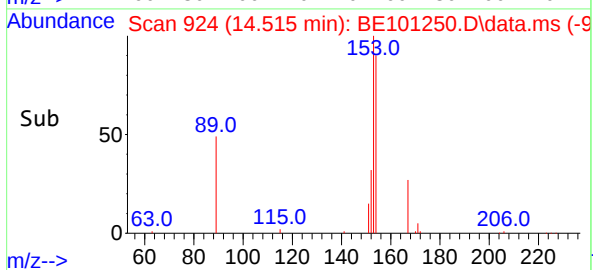
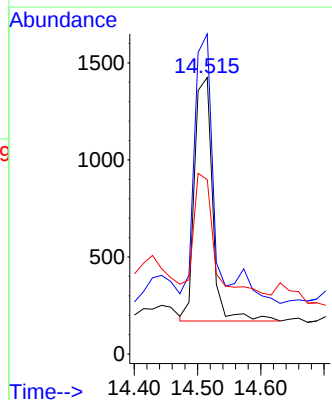
mohammad
4/9/2021 11:19:31 AM

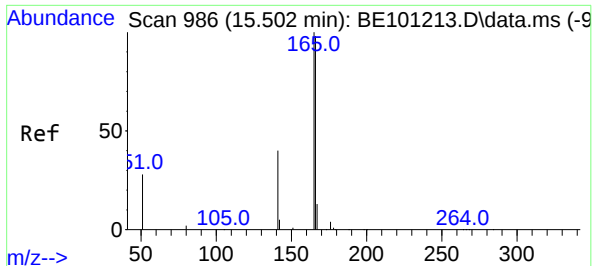


#17
Acenaphthene
Concen: 0.05 ng
RT: 14.515 min Scan# 924
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23



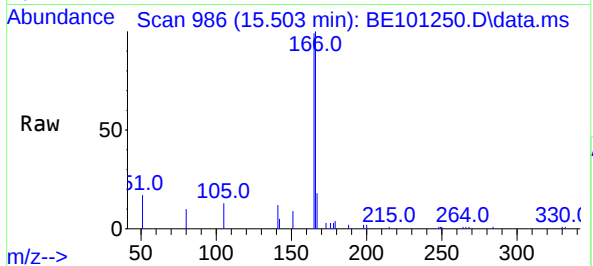
Tgt Ion:154 Resp: 2486
Ion Ratio Lower Upper
154 100
153 102.0 84.9 127.3
152 55.0 42.7 64.1





#18
Fluorene
Concen: 0.09 ng
RT: 15.503 min Scan# 986
Delta R.T. 0.002 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

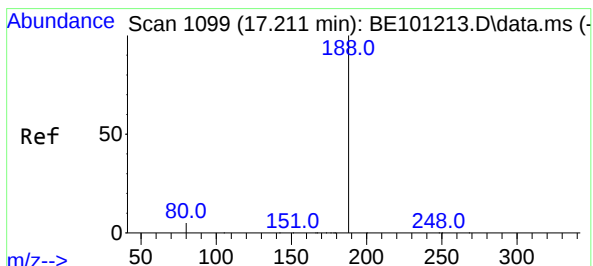
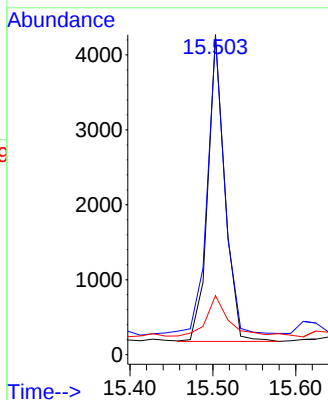
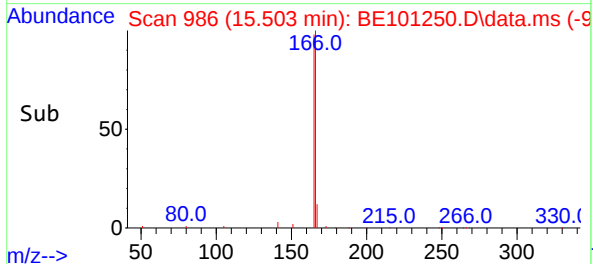
Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721



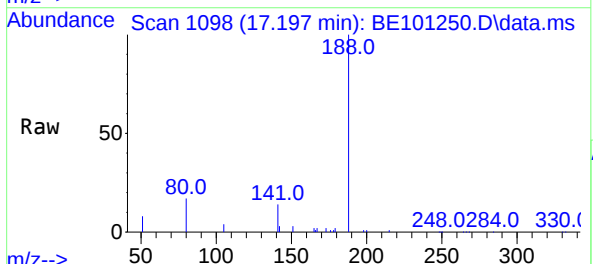
Tgt Ion:166 Resp: 5834
Ion Ratio Lower Upper
166 100
165 98.5 79.0 118.4
167 18.7 11.0 16.4#

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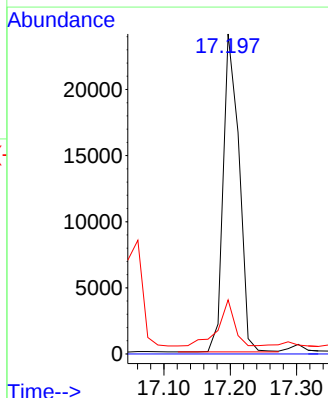
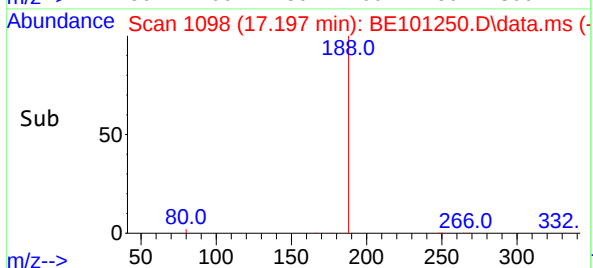
mohammad
4/9/2021 11:19:31 AM

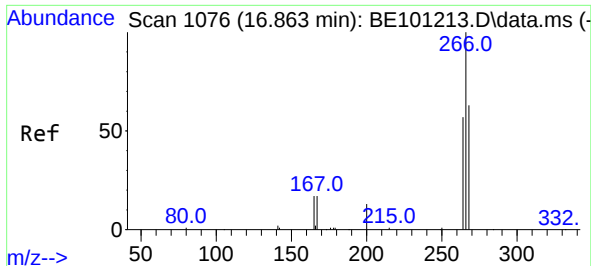


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.197 min Scan# 1098
Delta R.T. -0.013 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23



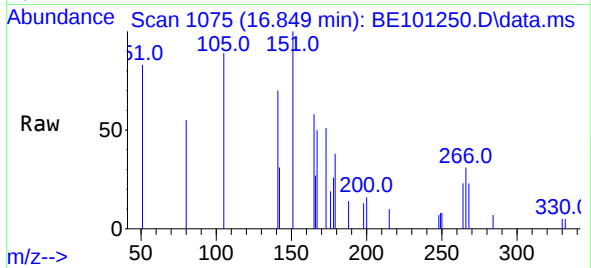
Tgt Ion:188 Resp: 39969
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.9 4.6 6.8#





#24
Pentachlorophenol
Concen: 0.06 ng
RT: 16.849 min Scan# 1075
Delta R.T. -0.013 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

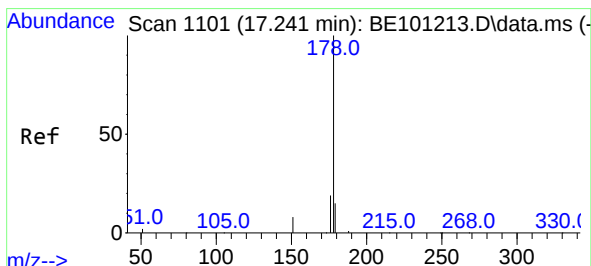
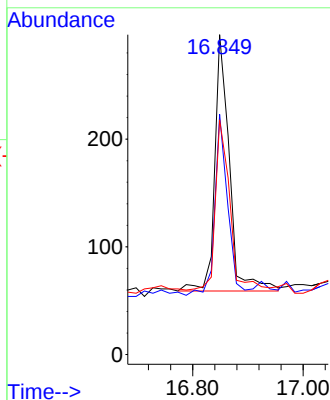
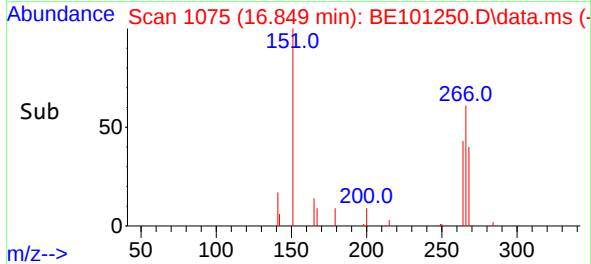
Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721



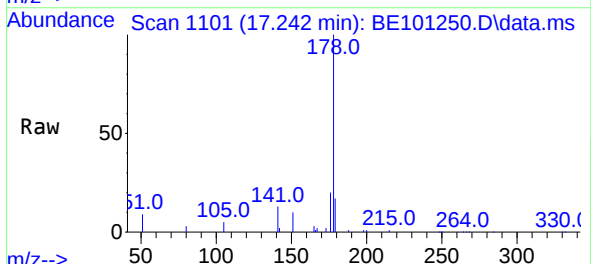
Tgt Ion:266 Resp: 435
Ion Ratio Lower Upper
266 100
264 61.8 49.1 73.7
268 64.1 50.6 76.0

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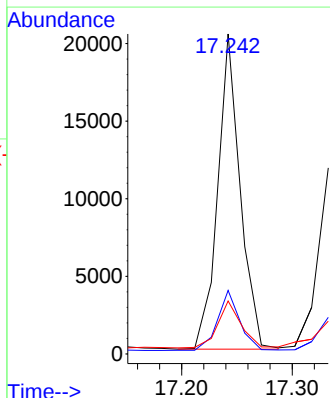
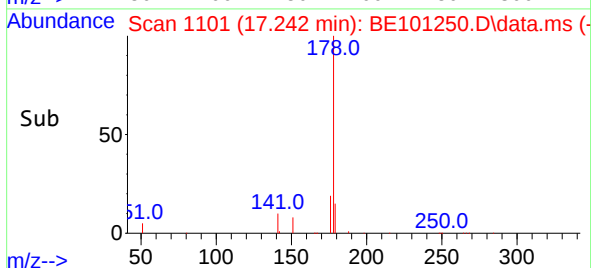
mohammad
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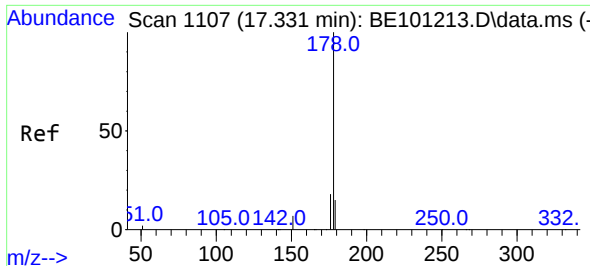


#25
Phenanthrene
Concen: 0.24 ng
RT: 17.242 min Scan# 1101
Delta R.T. 0.002 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23



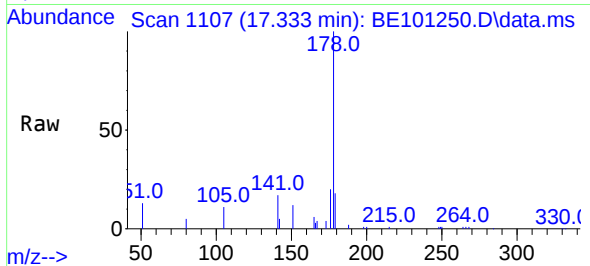
Tgt Ion:178 Resp: 28669
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.5 12.2 18.4





#26
 Anthracene
 Concen: 0.18 ng
 RT: 17.333 min Scan# 1107
 Delta R.T. 0.002 min
 Lab File: BE101250.D
 Acq: 8 Apr 2021 17:23

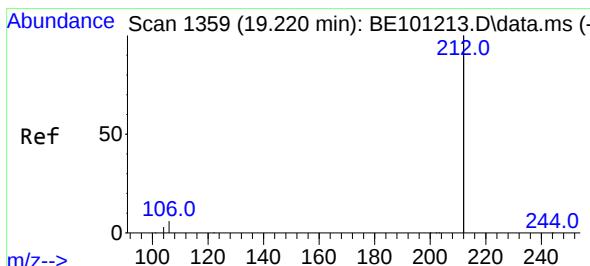
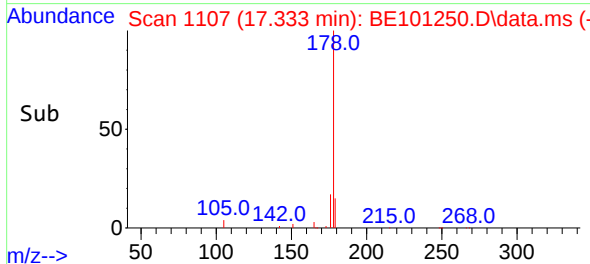
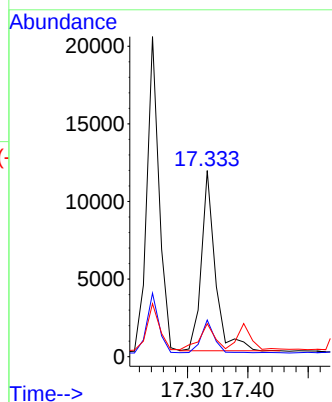
Instrument :
 BNA_E
 ClientSampleId :
 GWBR3-200-220-040721



Tgt Ion:178 Resp: 18511
 Ion Ratio Lower Upper
 178 100
 176 17.1 14.4 21.6
 179 15.6 11.8 17.8

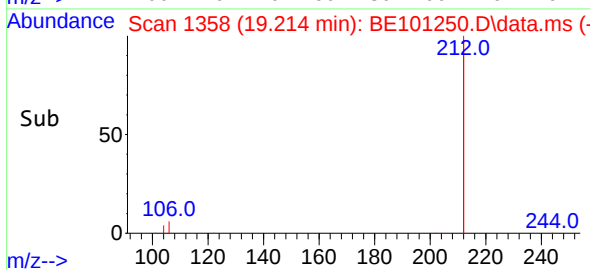
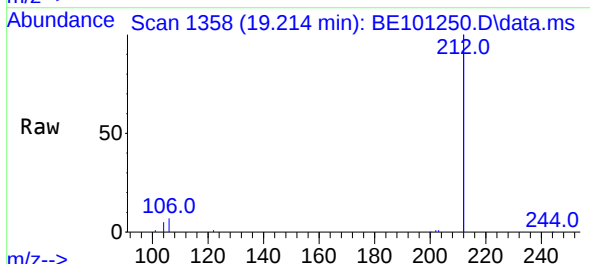
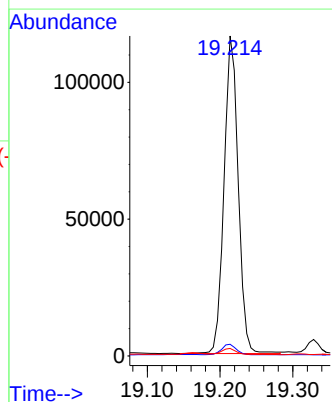
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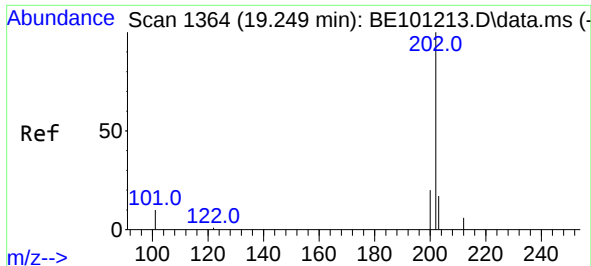
mohammad
 4/9/2021 11:19:31 AM



#27
 Fluoranthene-d10
 Concen: 0.23 ng
 RT: 19.214 min Scan# 1358
 Delta R.T. -0.001 min
 Lab File: BE101250.D
 Acq: 8 Apr 2021 17:23

Tgt Ion:212 Resp: 156161
 Ion Ratio Lower Upper
 212 100
 106 3.3 2.6 4.0
 104 1.9 1.4 2.2





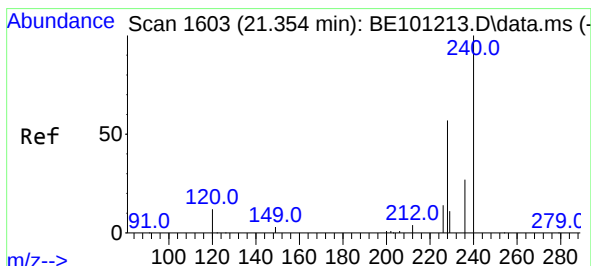
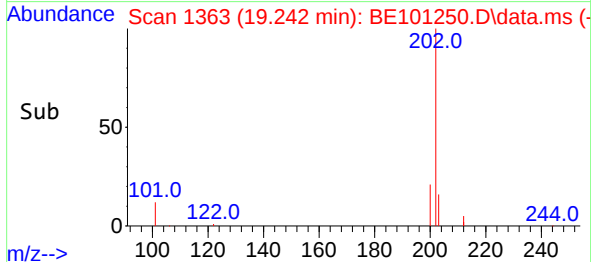
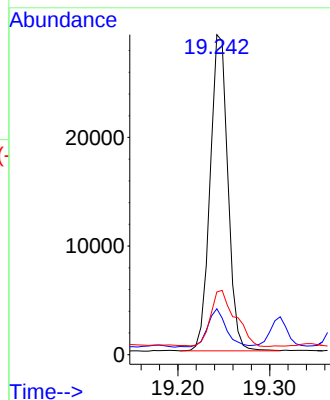
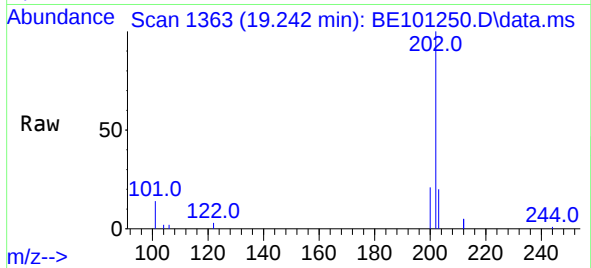
#28
Fluoranthene
Concen: 0.25 ng
RT: 19.242 min Scan# 1363
Delta R.T. -0.001 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion:202 Resp: 39130
Ion Ratio Lower Upper
202 100
101 12.8 9.1 13.7
203 24.3 13.6 20.4#

Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721

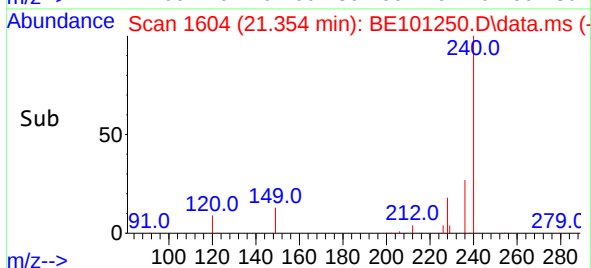
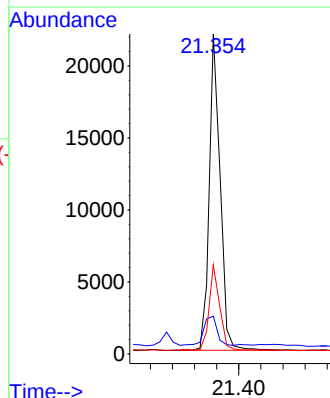
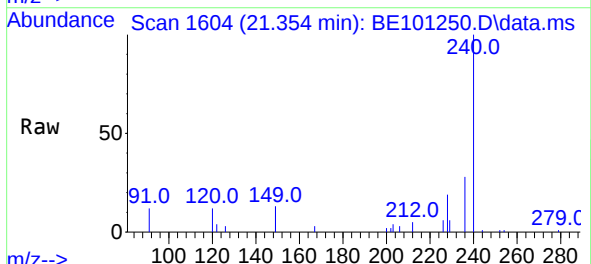
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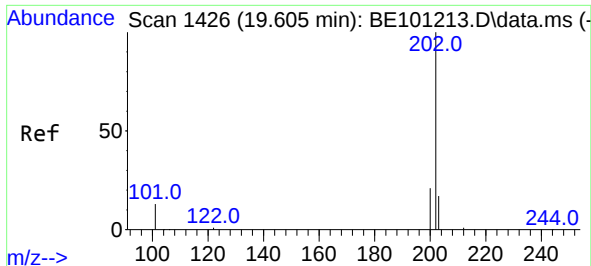
mohammad
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#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.354 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

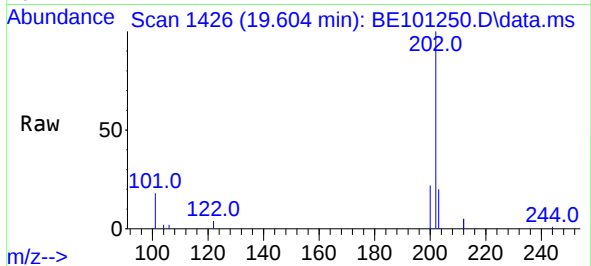
Tgt Ion:240 Resp: 29883
Ion Ratio Lower Upper
240 100
120 11.8 10.2 15.4
236 27.9 21.7 32.5





#30
Pyrene
Concen: 0.35 ng
RT: 19.604 min Scan# 1426
Delta R.T. -0.001 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

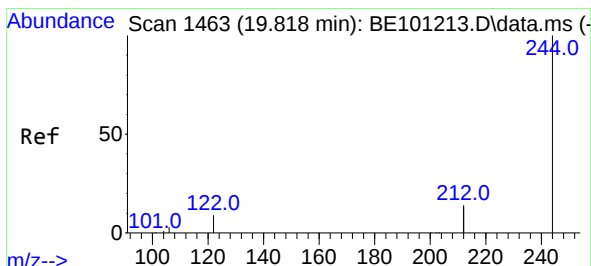
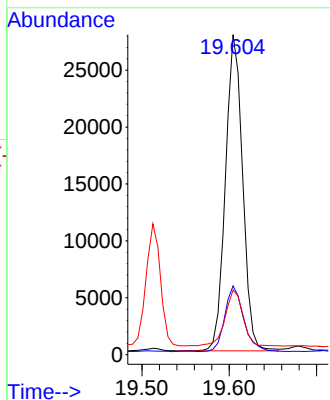
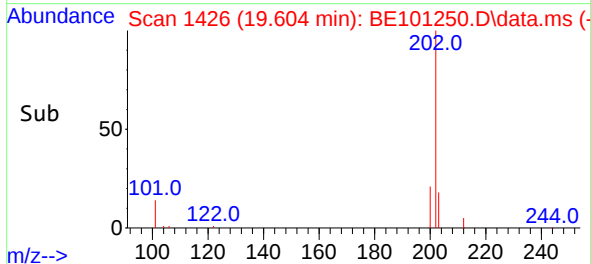
Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721



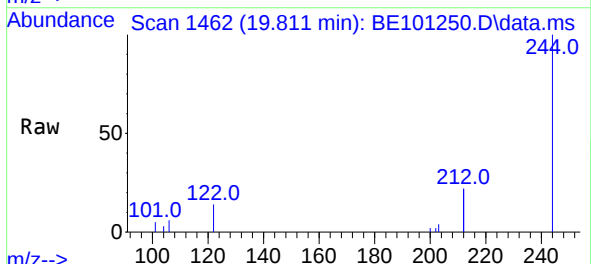
Tgt Ion:202 Resp: 37983
Ion Ratio Lower Upper
202 100
200 22.7 16.6 24.8
203 18.3 13.8 20.8

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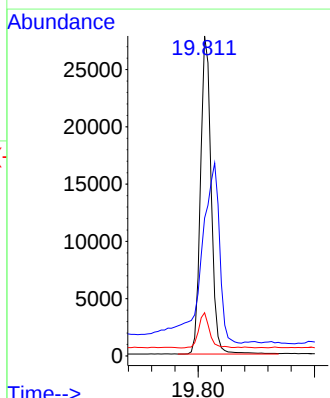
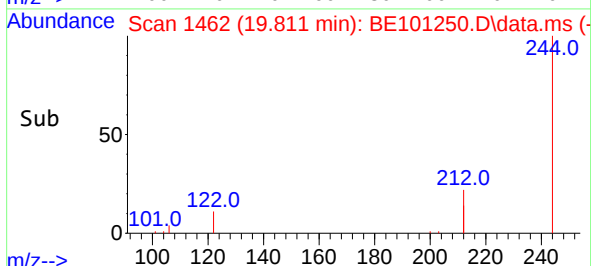
mohammad
4/9/2021 11:19:31 AM

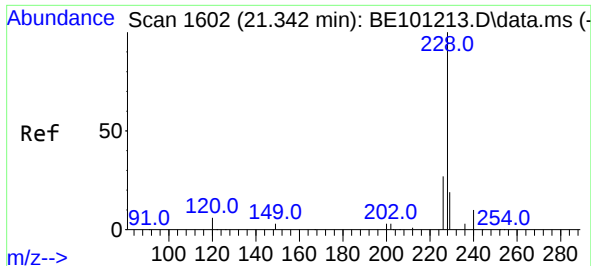


#31
Terphenyl-d14
Concen: 0.44 ng
RT: 19.811 min Scan# 1462
Delta R.T. -0.001 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23



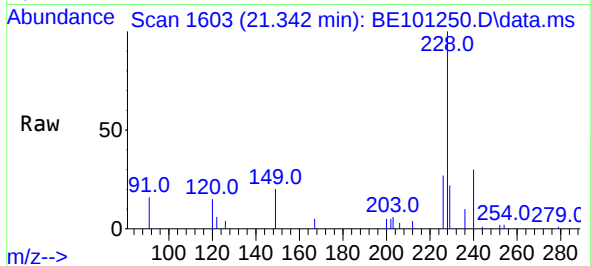
Tgt Ion:244 Resp: 35333
Ion Ratio Lower Upper
244 100
212 43.1 21.9 32.9#
122 13.5 7.3 10.9#





#32
Benzo(a)anthracene
Concen: 0.25 ng
RT: 21.342 min Scan# 1603
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

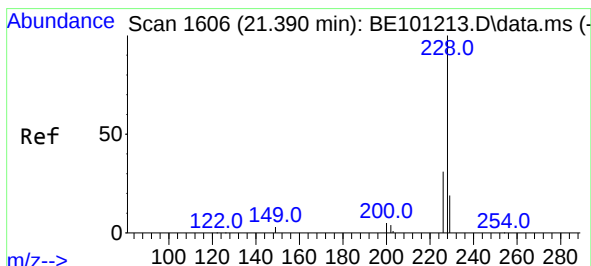
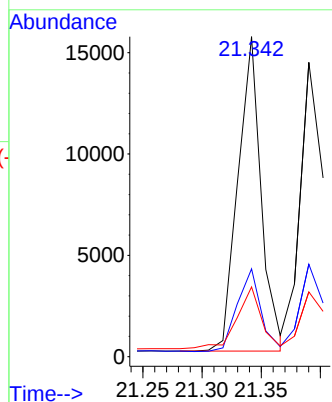
Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721



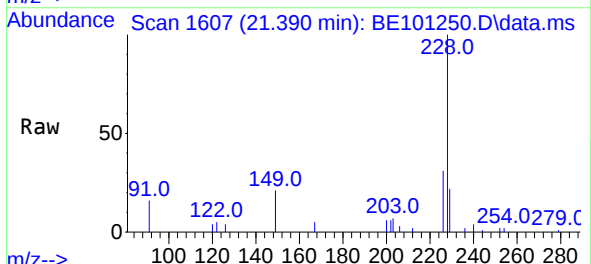
Tgt Ion:228 Resp: 21106
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.2
229 21.8 15.7 23.5

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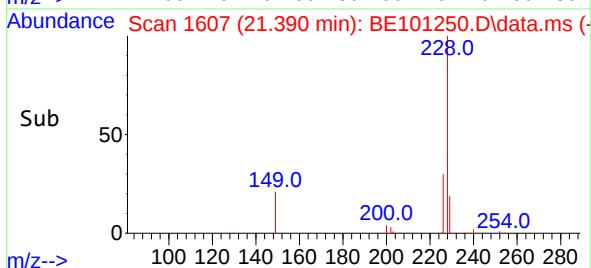
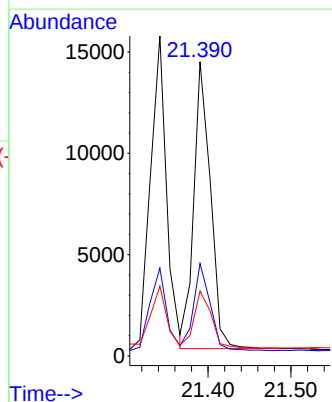
mohammad
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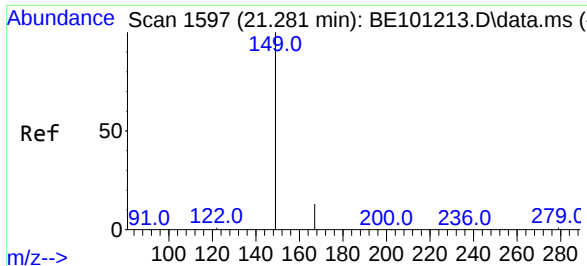


#33
Chrysene
Concen: 0.20 ng
RT: 21.390 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23



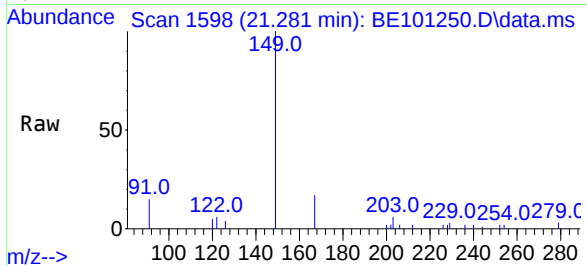
Tgt Ion:228 Resp: 19724
Ion Ratio Lower Upper
228 100
226 31.4 24.8 37.2
229 22.0 15.2 22.8





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.61 ng
RT: 21.281 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

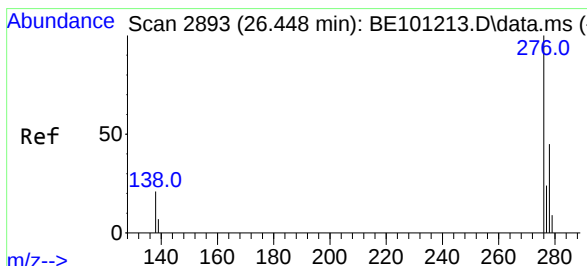
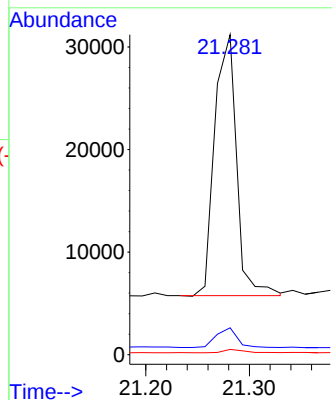
Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721



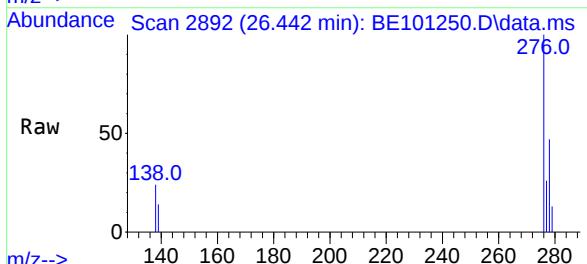
Tgt Ion:149 Resp: 37365
Ion Ratio Lower Upper
149 100
167 7.1 5.5 8.3
279 1.2 1.0 1.4

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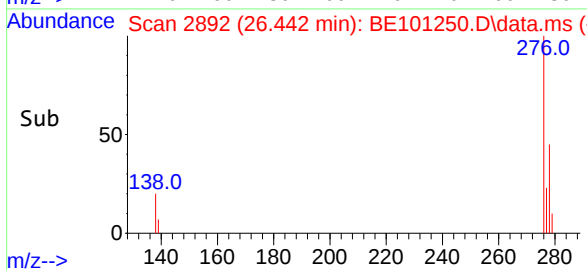
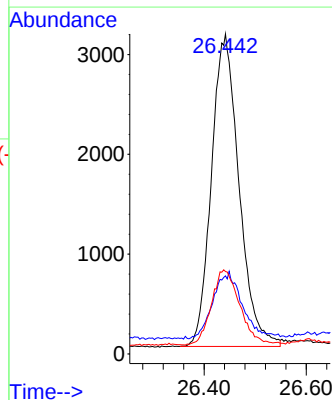
mohammad
4/9/2021 11:19:31 AM

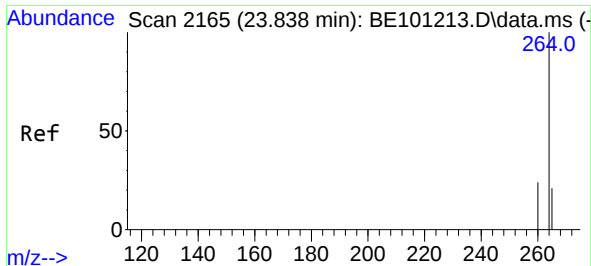


#35
Indeno(1,2,3-cd)pyrene
Concen: 0.16 ng
RT: 26.442 min Scan# 2892
Delta R.T. -0.003 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23



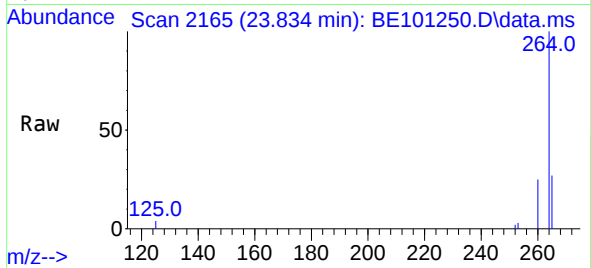
Tgt Ion:276 Resp: 11707
Ion Ratio Lower Upper
276 100
138 23.0 17.4 26.0
277 24.5 19.8 29.8





#36
Perylene-d12
Concen: 0.40 ng
RT: 23.834 min Scan# 2165
Delta R.T. -0.001 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721

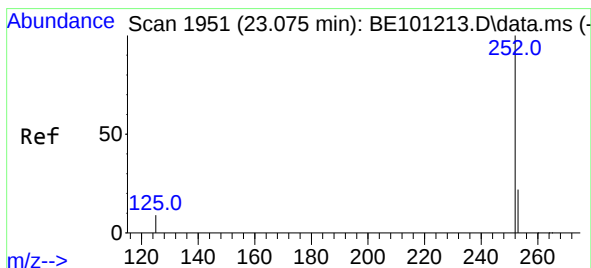
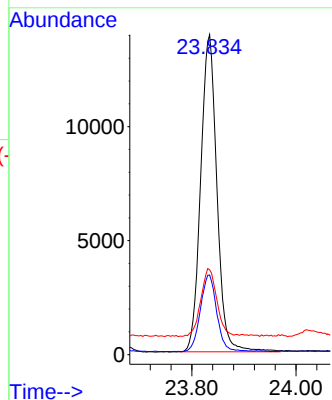


Tgt Ion:264 Resp: 30122

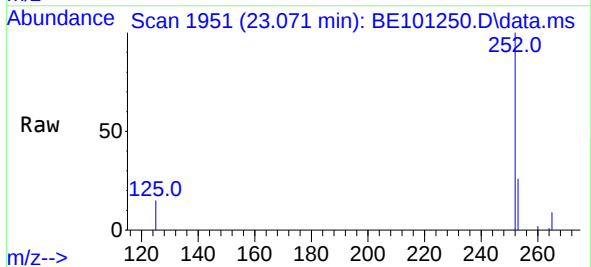
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.3	28.9
265	26.5	22.4	33.6

Manual Integrations
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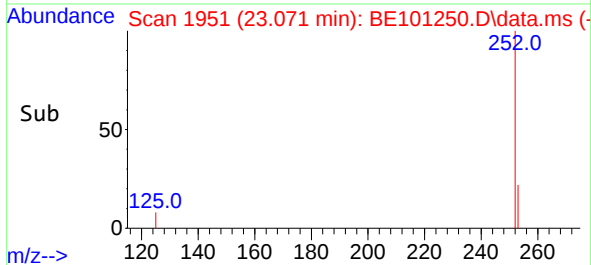
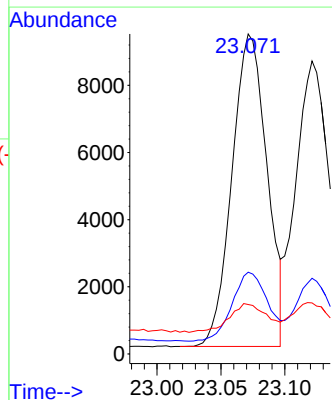


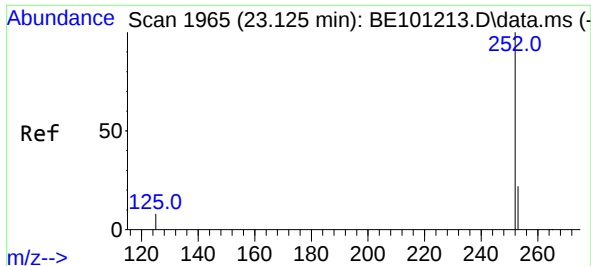
#37
Benzo(b)fluoranthene
Concen: 0.18 ng
RT: 23.071 min Scan# 1951
Delta R.T. -0.004 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23



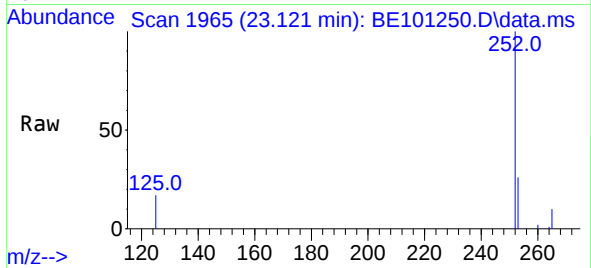
Tgt Ion:252 Resp: 17740

Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.1	27.1
125	15.4	7.6	11.4#

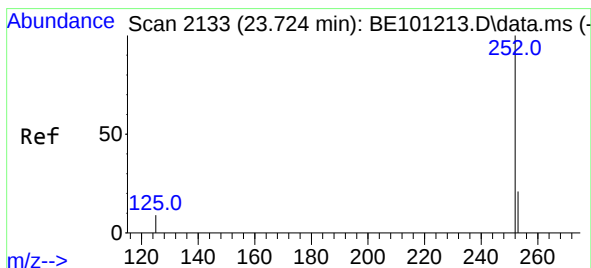
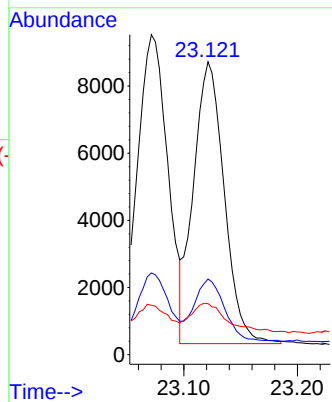
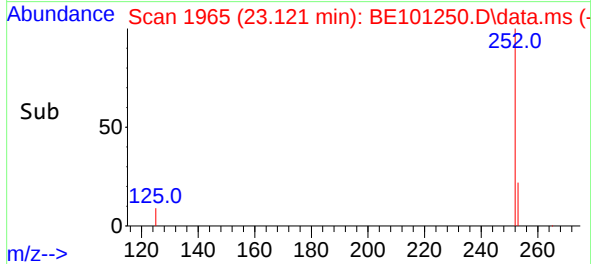




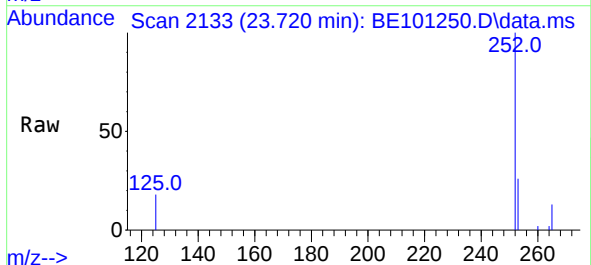
#38
Benzo(k)fluoranthene
Concen: 0.14 ng m
RT: 23.121 min Scan# 1965
Delta R.T. -0.004 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23



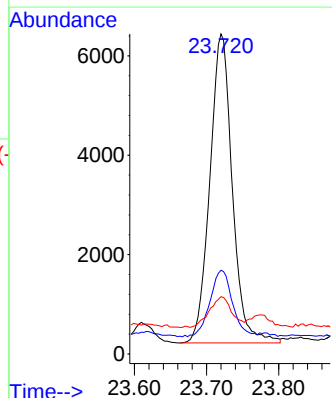
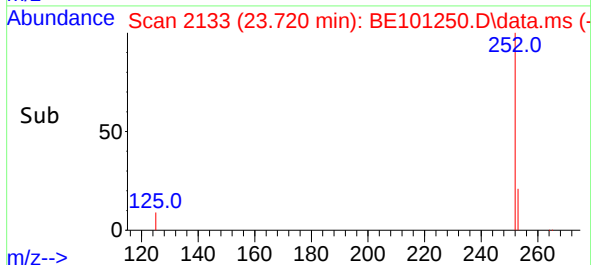
Tgt Ion:252 Resp: 15825
Ion Ratio Lower Upper
252 100
253 25.8 17.8 26.6
125 17.4 7.6 11.4#



#39
Benzo(a)pyrene
Concen: 0.16 ng
RT: 23.720 min Scan# 2133
Delta R.T. -0.004 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23



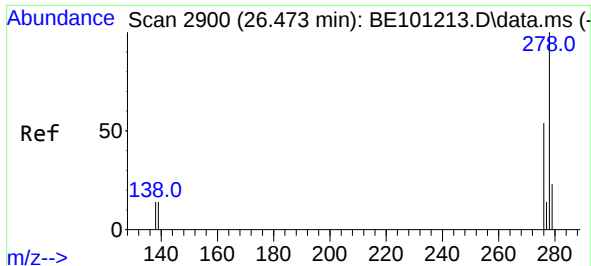
Tgt Ion:252 Resp: 13458
Ion Ratio Lower Upper
252 100
253 26.1 18.0 27.0
125 17.9 8.0 12.0#



Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721

Manual Integrations
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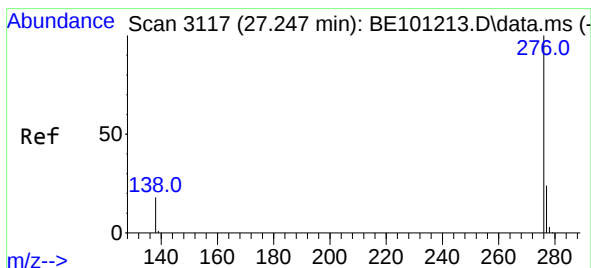
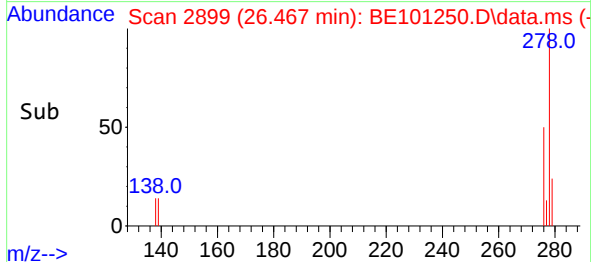
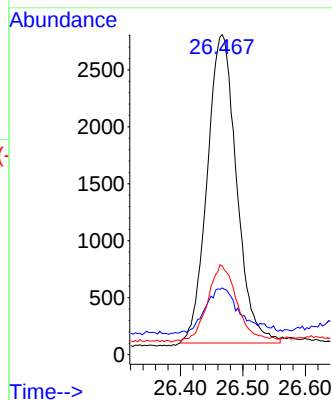
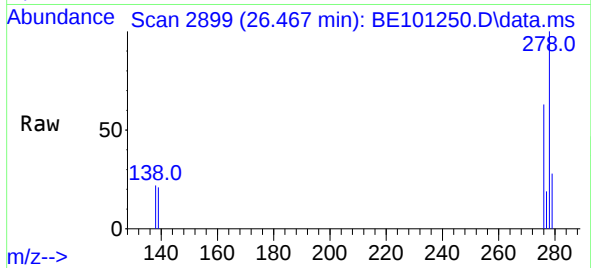
#40
Dibenzo(a,h)anthracene
Concen: 0.11 ng
RT: 26.467 min Scan# 2899
Delta R.T. -0.006 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.9	12.2	18.2#
279	27.7	19.3	28.9

Instrument :
BNA_E
ClientSampleId :
GWBR3-200-220-040721

Manual Integrations
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#41
Benzo(g,h,i)perylene
Concen: 0.12 ng
RT: 27.241 min Scan# 3116
Delta R.T. -0.003 min
Lab File: BE101250.D
Acq: 8 Apr 2021 17:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.4	29.0
138	23.1	15.2	22.8#

