

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE040821\
 Data File : BE101260.D
 Acq On : 9 Apr 2021 3:52
 Operator : CG/JU
 Sample : M1966-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-119

Manual Integrations
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4/9/2021 11:19:34 AM

4/9/2021 11:19:34 AM

Quant Time: Apr 09 06:09:59 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	3226	0.40	ng	# 0.00
7) Naphthalene-d8	10.615	136	15898	0.40	ng	0.00
13) Acenaphthene-d10	14.443	164	12656	0.40	ng	0.00
19) Phenanthrene-d10	17.197	188	34749	0.40	ng	#-0.01
29) Chrysene-d12	21.354	240	29086	0.40	ng	# 0.00
36) Perylene-d12	23.838	264	26490	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.423	112	1524	0.20	ng	0.00
5) Phenol-d6	7.000	99	1494	0.13	ng	0.01
8) Nitrobenzene-d5	8.978	82	5144	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.196	152	10194	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	2100	0.62	ng	0.00
15) 2-Fluorobiphenyl	13.074	172	15319	0.34	ng	0.00
27) Fluoranthene-d10	19.214	212	191039	0.32	ng	0.00
31) Terphenyl-d14	19.817	244	43076	0.55	ng	0.00
Target Compounds						Qvalue
16) Acenaphthylene	14.169	152	21986	0.45	ng	98
17) Acenaphthene	14.515	154	2715	0.07	ng	98
18) Fluorene	15.504	166	8183	0.17	ng	# 94
25) Phenanthrene	17.242	178	30915	0.30	ng	98
26) Anthracene	17.333	178	53786	0.61	ng	96
28) Fluoranthene	19.249	202	394871	2.95	ng	99
30) Pyrene	19.605	202	287683	2.74	ng	# 95
32) Benzo(a)anthracene	21.342	228	37865	0.46	ng	97
33) Chrysene	21.391	228	28159m	0.29	ng	
34) Bis(2-ethylhexyl)phtha...	21.282	149	13068	0.22	ng	# 97
35) Indeno(1,2,3-cd)pyrene	26.444	276	13619	0.19	ng	98
37) Benzo(b)fluoranthene	23.075	252	20612	0.24	ng	# 92
38) Benzo(k)fluoranthene	23.125	252	16629	0.17	ng	# 90
39) Benzo(a)pyrene	23.724	252	15280	0.21	ng	# 90
40) Dibenzo(a,h)anthracene	26.477	278	9745	0.14	ng	# 88
41) Benzo(g,h,i)perylene	27.247	276	11699	0.15	ng	# 93

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

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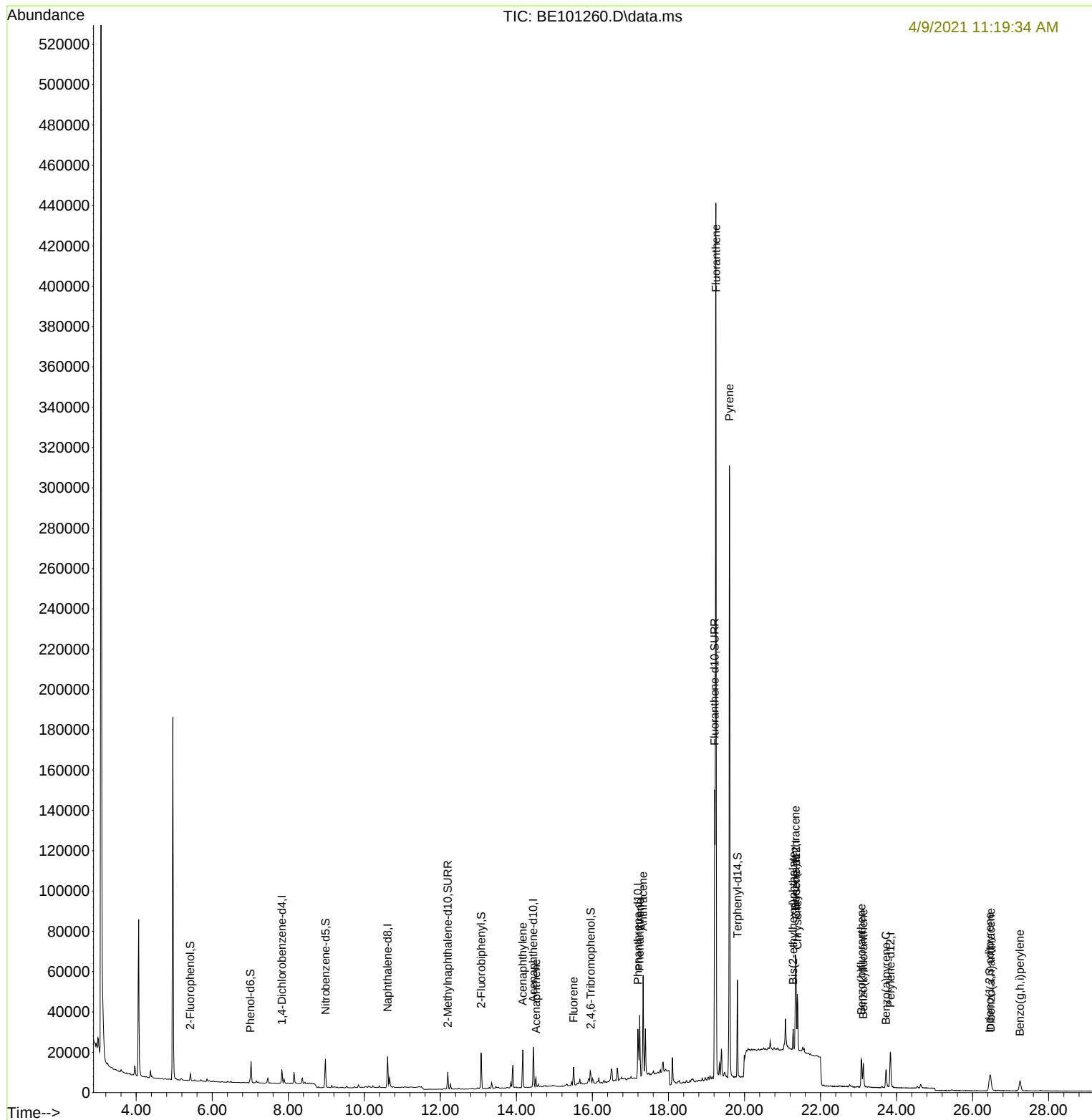
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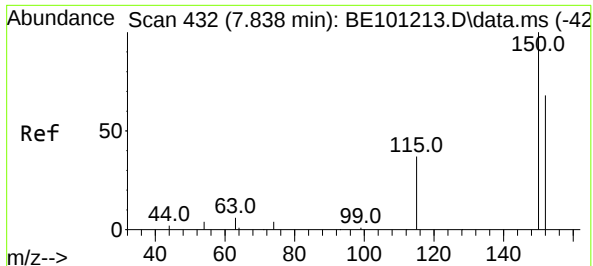
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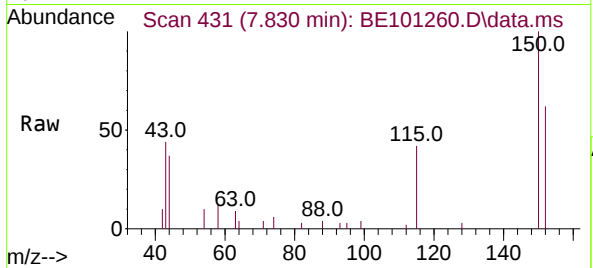
4/9/2021 11:19:34 AM

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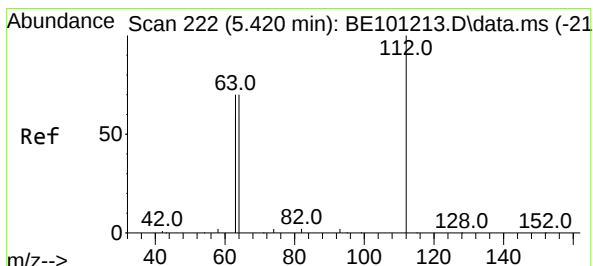
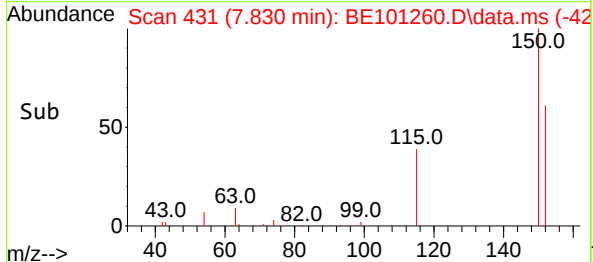
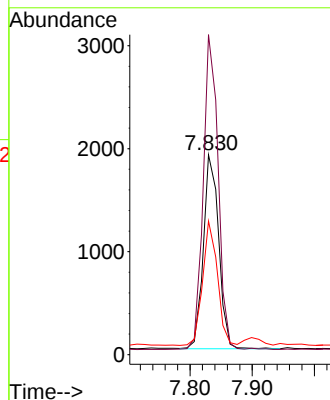




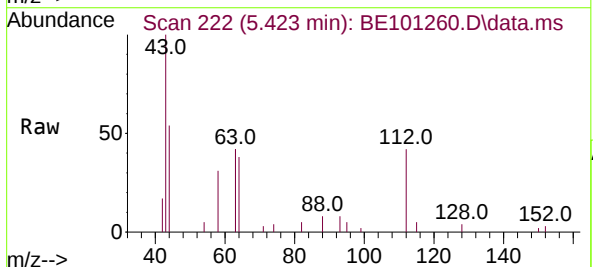
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1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.830 min Scan# 431
Delta R.T. -0.000 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52



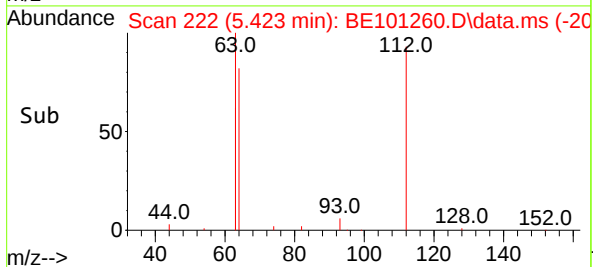
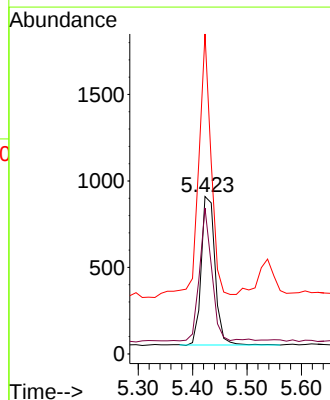
Tgt Ion:152 Resp: 3226
Ion Ratio Lower Upper
152 100
150 160.2 116.9 175.3
115 66.9 44.5 66.7#



#4
2-Fluorophenol
Concen: 0.20 ng
RT: 5.423 min Scan# 222
Delta R.T. 0.000 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52



Tgt Ion:112 Resp: 1524
Ion Ratio Lower Upper
112 100
64 78.9 62.3 93.5
63 162.7 117.3 175.9



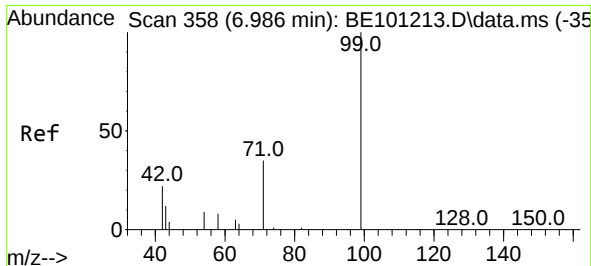
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#5
Phenol-d6
Concen: 0.13 ng
RT: 7.000 min Scan# 359
Delta R.T. 0.012 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion: 99 Resp: 1494
Ion Ratio Lower Upper
99 100
42 58.3 18.5 27.7#
71 37.3 26.5 39.7

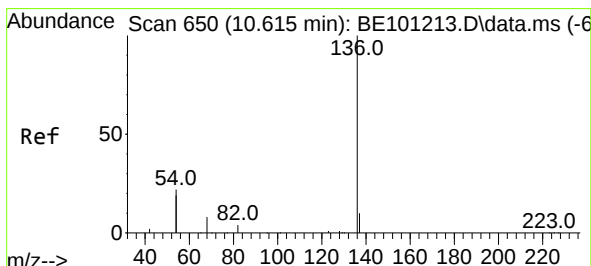
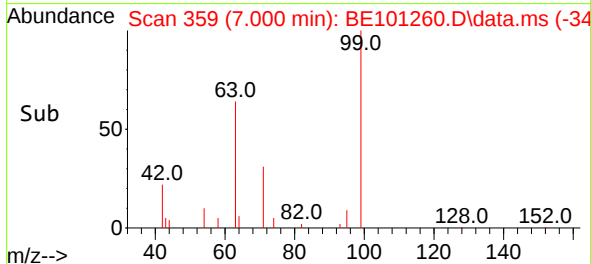
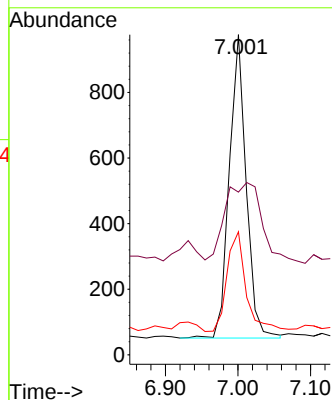
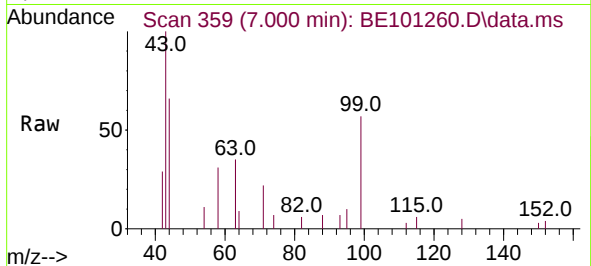
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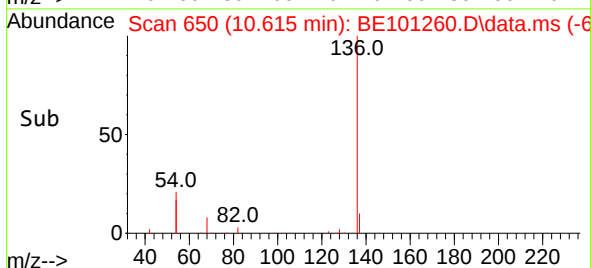
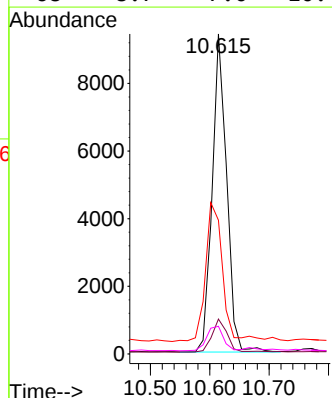
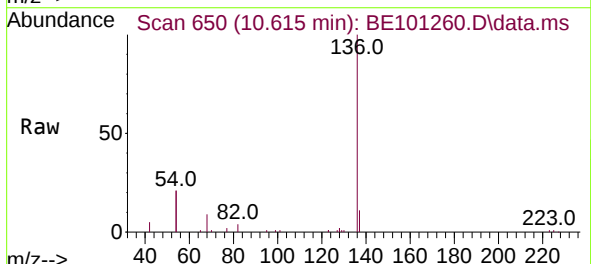
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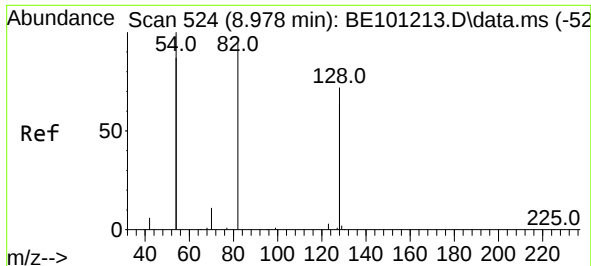
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#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.615 min Scan# 650
Delta R.T. 0.000 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion: 136 Resp: 15898
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 41.8 34.7 52.1
68 8.7 7.0 10.4





#8
Nitrobenzene-d5
Concen: 0.44 ng
RT: 8.978 min Scan# 524
Delta R.T. 0.000 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion: 82 Resp: 5144
Ion Ratio Lower Upper
82 100
128 146.5 118.7 178.1
54 222.6 164.4 246.6

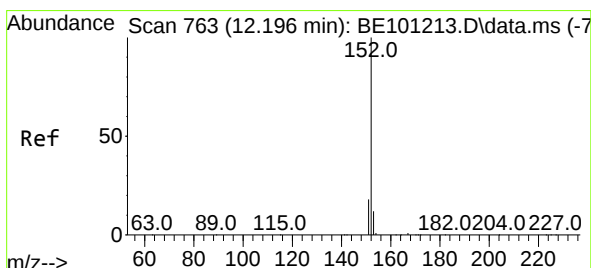
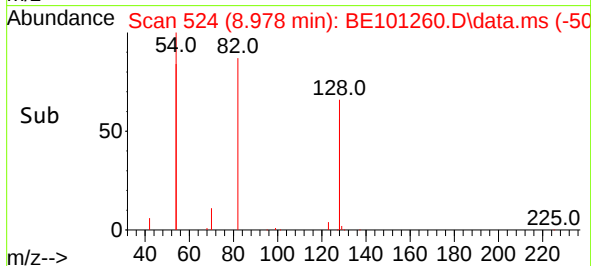
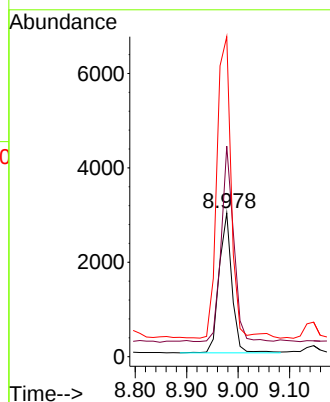
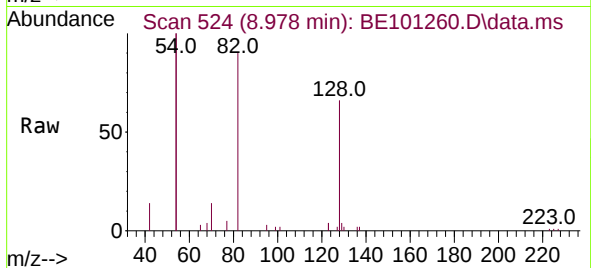
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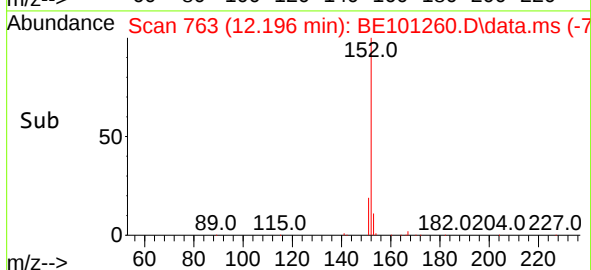
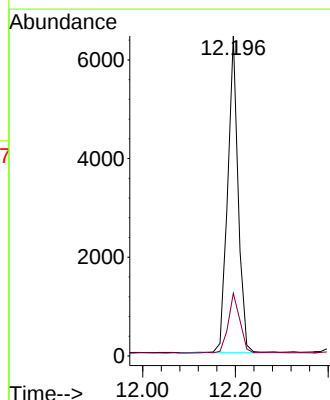
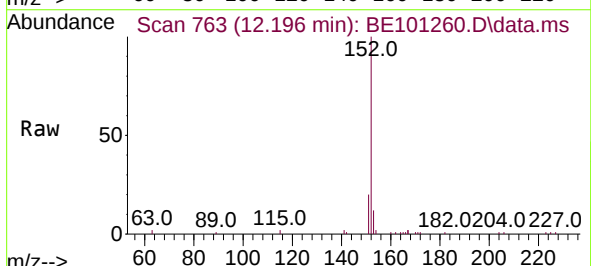
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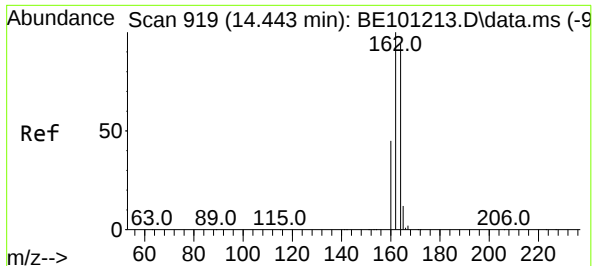
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#11
2-Methylnaphthalene-d10
Concen: 0.28 ng
RT: 12.196 min Scan# 763
Delta R.T. -0.001 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion: 152 Resp: 10194
Ion Ratio Lower Upper
152 100
151 20.7 16.5 24.7





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.443 min Scan# 919

Delta R.T. -0.001 min

Lab File: BE101260.D

Acq: 9 Apr 2021 3:52

Tgt Ion:	164	Resp:	12656
Ion	Ratio	Lower	Upper
164	100		
162	105.3	85.3	127.9
160	47.7	39.1	58.7

Instrument :

BNA_E

ClientSampleId :

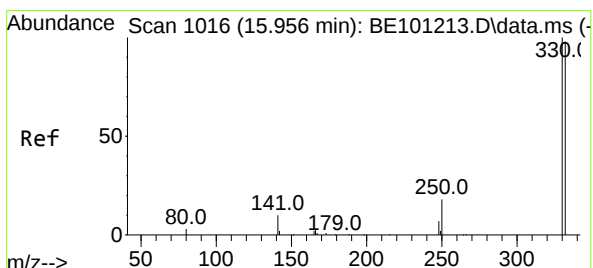
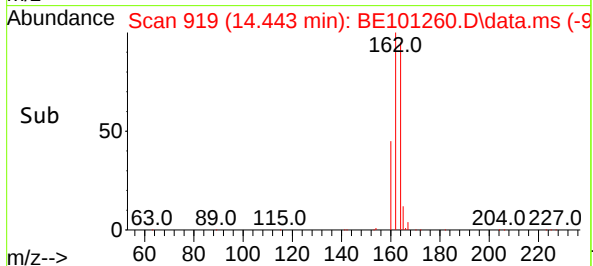
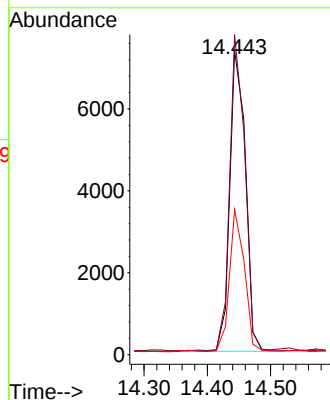
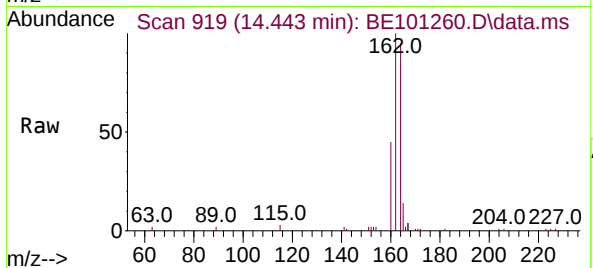
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#14

2,4,6-Tribromophenol

Concen: 0.62 ng

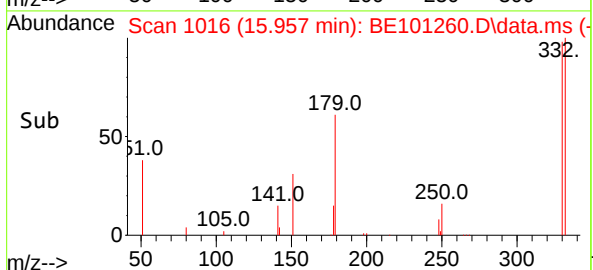
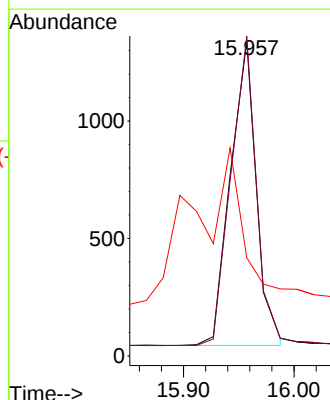
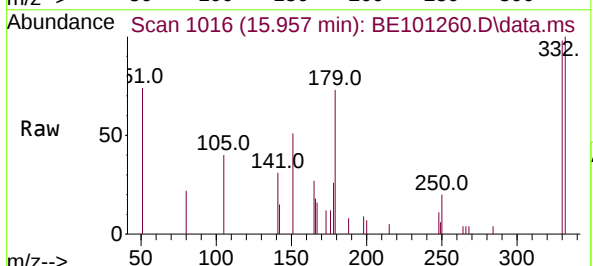
RT: 15.957 min Scan# 1016

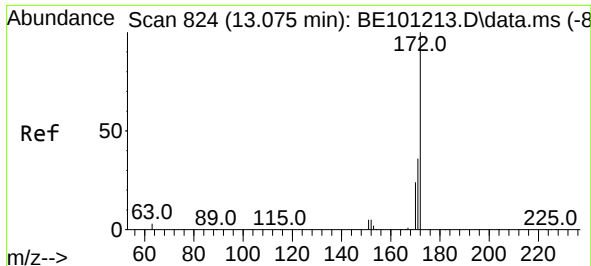
Delta R.T. 0.002 min

Lab File: BE101260.D

Acq: 9 Apr 2021 3:52

Tgt Ion:	330	Resp:	2100
Ion	Ratio	Lower	Upper
330	100		
332	100.1	77.8	116.6
141	0.0	30.4	45.6#





#15
2-Fluorobiphenyl
Concen: 0.34 ng
RT: 13.074 min Scan# 824
Delta R.T. -0.001 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion:	172	Resp:	15319
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.7	43.1
170	23.7	19.3	28.9

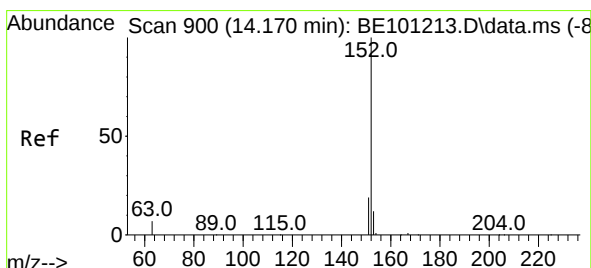
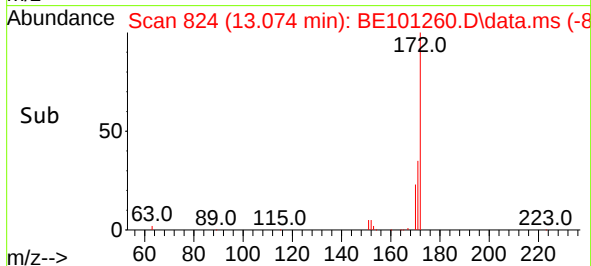
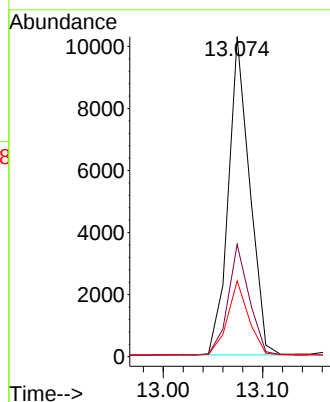
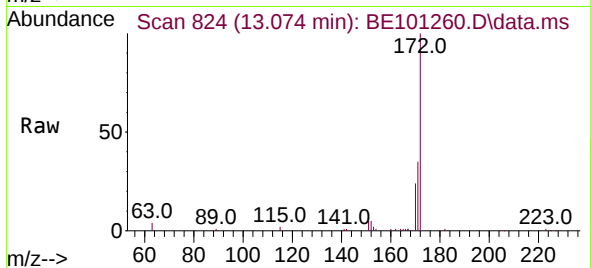
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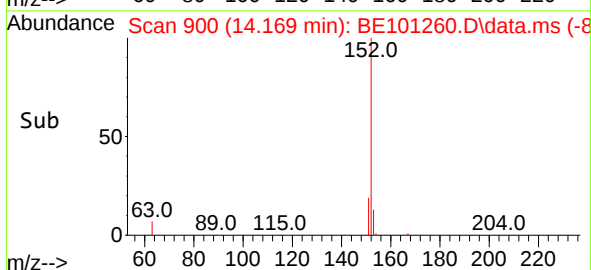
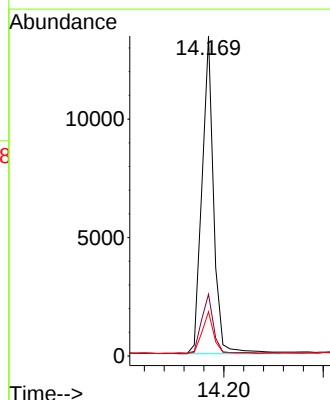
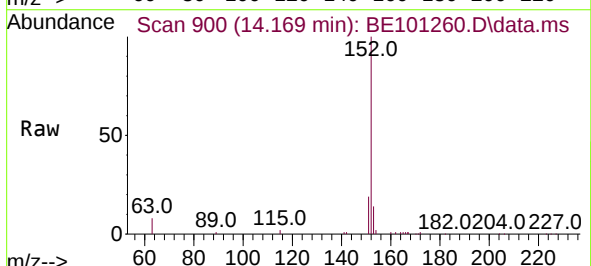
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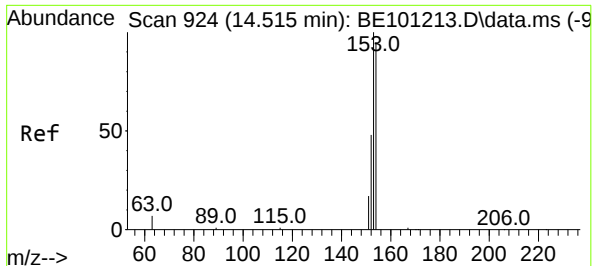
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#16
Acenaphthylene
Concen: 0.45 ng
RT: 14.169 min Scan# 900
Delta R.T. -0.001 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion:	152	Resp:	21986
Ion Ratio	Lower	Upper	
152	100		
151	18.9	15.4	23.2
153	13.7	10.0	15.0





#17

Acenaphthene

Concen: 0.07 ng

RT: 14.515 min Scan# 924

Delta R.T. -0.001 min

Lab File: BE101260.D

Acq: 9 Apr 2021 3:52

Tgt Ion:	154	Resp:	2715
Ion	Ratio	Lower	Upper
154	100		
153	105.7	84.9	127.3
152	57.0	42.7	64.1

Instrument :

BNA_E

ClientSampleId :

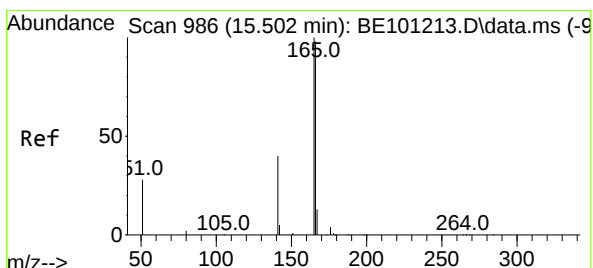
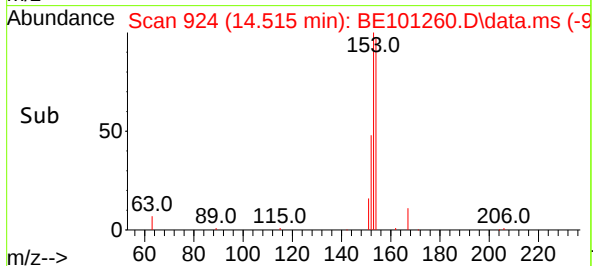
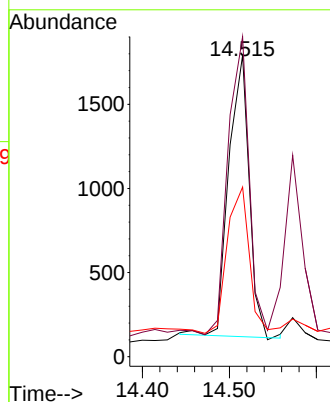
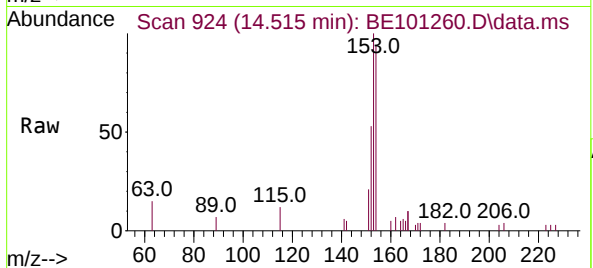
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#18

Fluorene

Concen: 0.17 ng

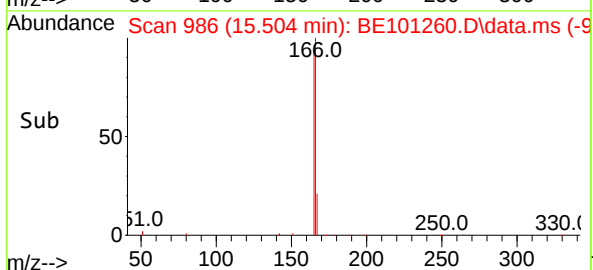
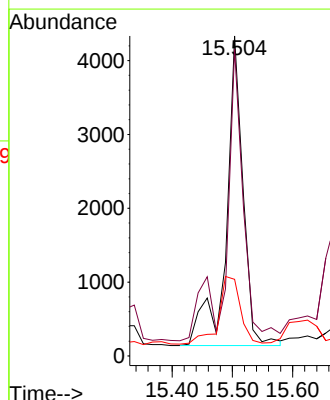
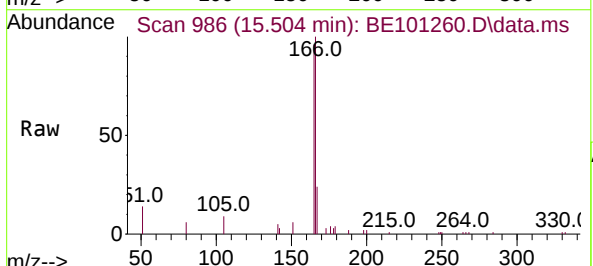
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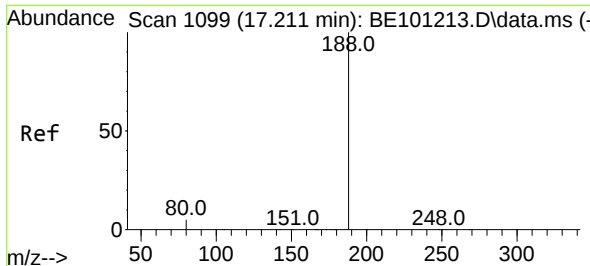
Delta R.T. 0.002 min

Lab File: BE101260.D

Acq: 9 Apr 2021 3:52

Tgt Ion:	166	Resp:	8183
Ion	Ratio	Lower	Upper
166	100		
165	96.8	79.0	118.4
167	28.1	11.0	16.4





#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.197 min Scan# 1098
Delta R.T. -0.013 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion:188 Resp: 34749
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.1 4.6 6.8#

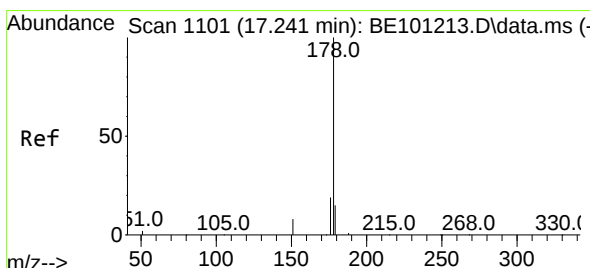
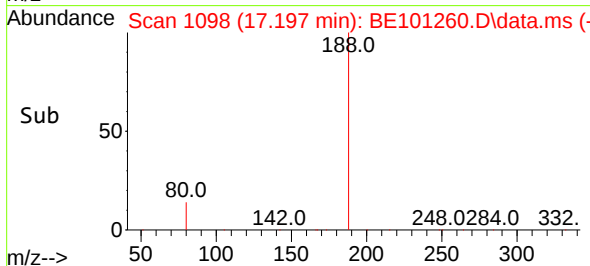
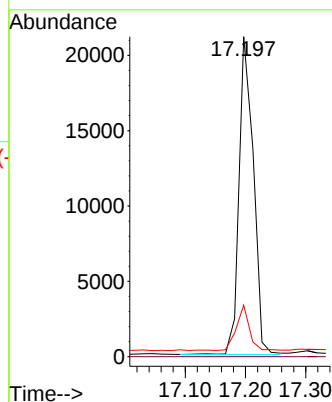
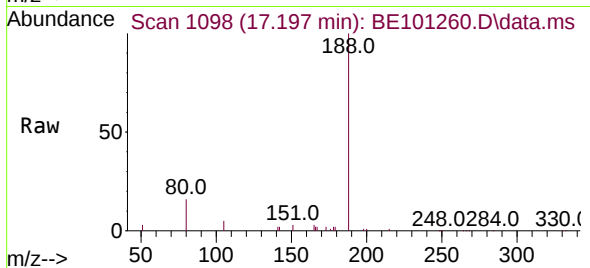
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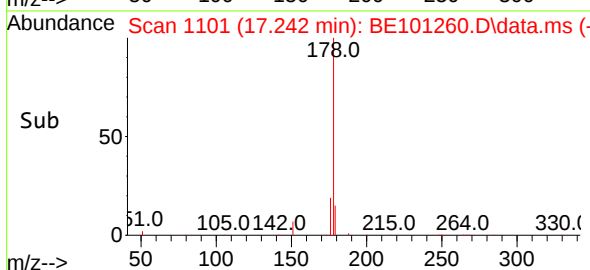
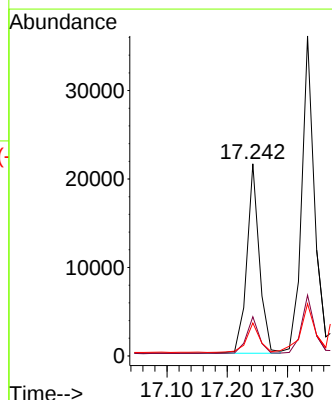
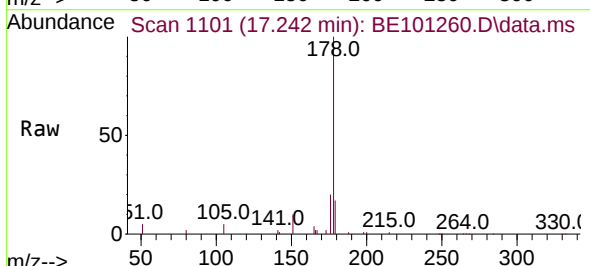
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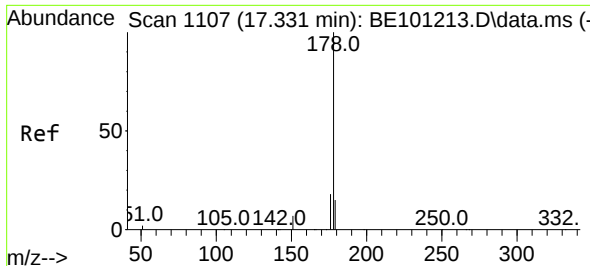
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#25
Phenanthrene
Concen: 0.30 ng
RT: 17.242 min Scan# 1101
Delta R.T. 0.002 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion:178 Resp: 30915
Ion Ratio Lower Upper
178 100
176 19.3 15.0 22.6
179 16.2 12.2 18.4





#26
 Anthracene
 Concen: 0.61 ng
 RT: 17.333 min Scan# 1107
 Delta R.T. 0.002 min
 Lab File: BE101260.D
 Acq: 9 Apr 2021 3:52

Tgt Ion:178 Resp: 53786
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.4 21.6
 179 16.6 11.8 17.8

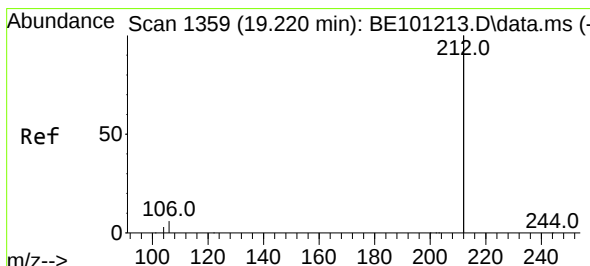
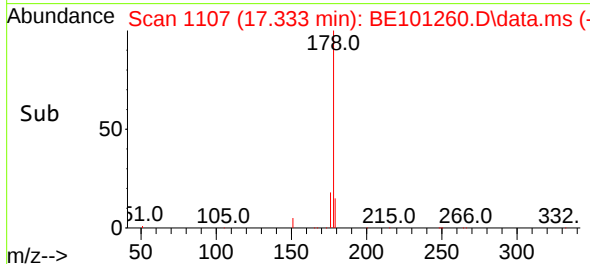
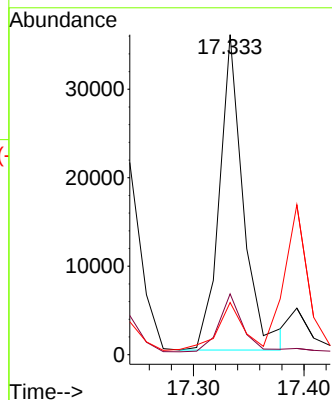
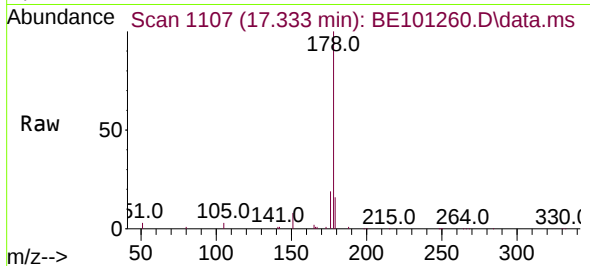
Instrument :
 BNA_E
 ClientSampleId :
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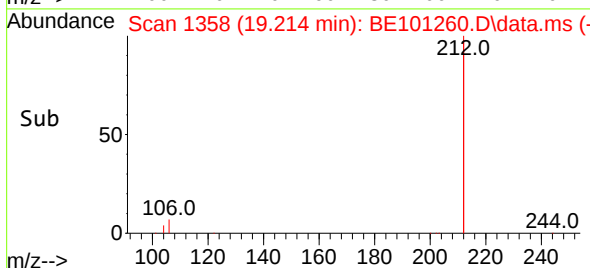
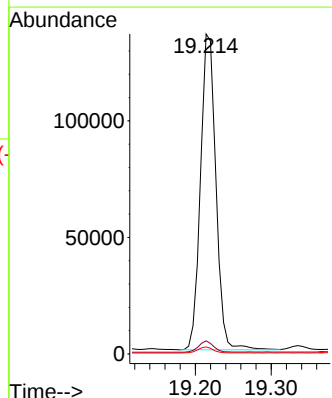
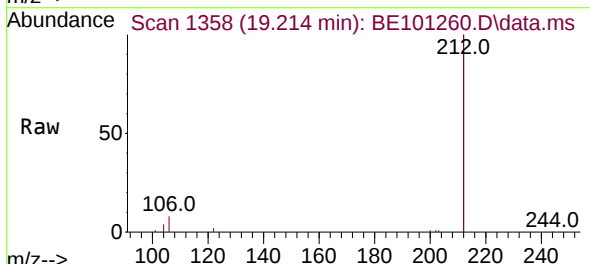
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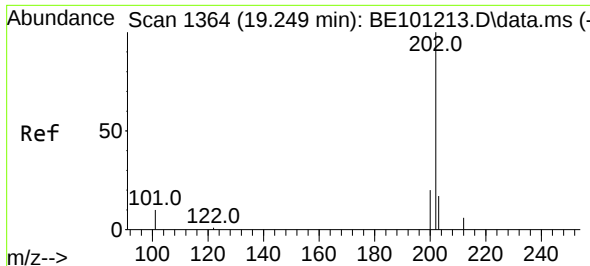
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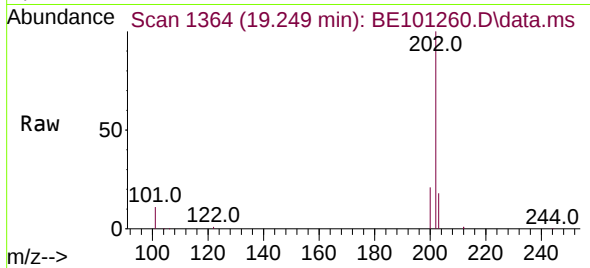
#27
 Fluoranthene-d10
 Concen: 0.32 ng
 RT: 19.214 min Scan# 1358
 Delta R.T. -0.001 min
 Lab File: BE101260.D
 Acq: 9 Apr 2021 3:52

Tgt Ion:212 Resp: 191039
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.6 4.0
 104 1.9 1.4 2.2

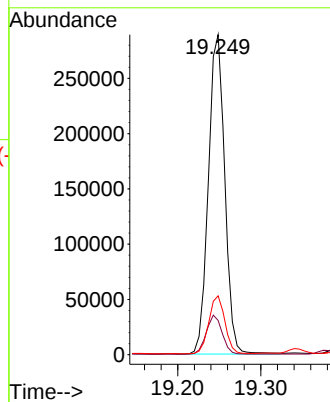
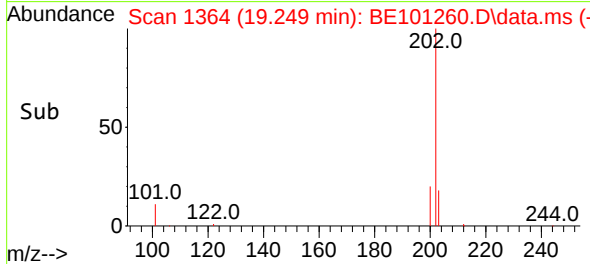




#28
Fluoranthene
Concen: 2.95 ng
RT: 19.249 min Scan# 1364
Delta R.T. 0.005 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52



Tgt Ion:202 Resp: 394871
Ion Ratio Lower Upper
202 100
101 11.8 9.1 13.7
203 17.8 13.6 20.4



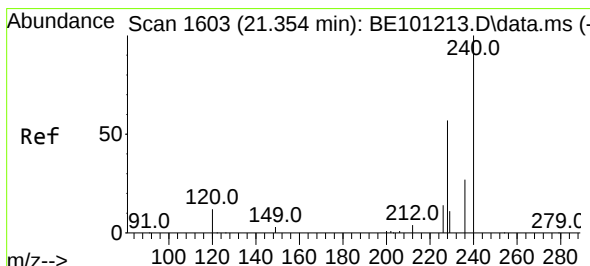
Instrument :
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ClientSampleId :
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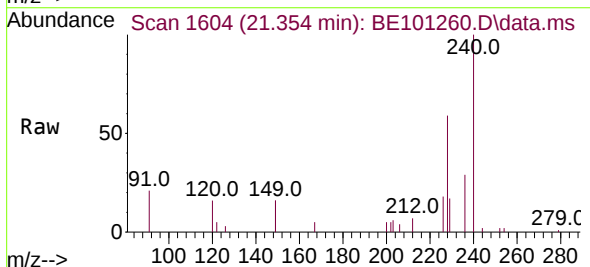
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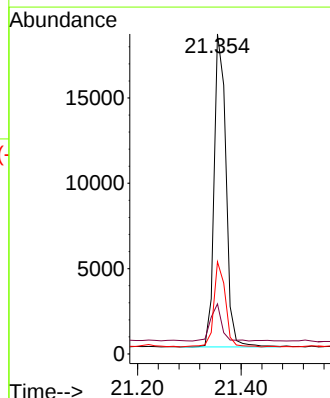
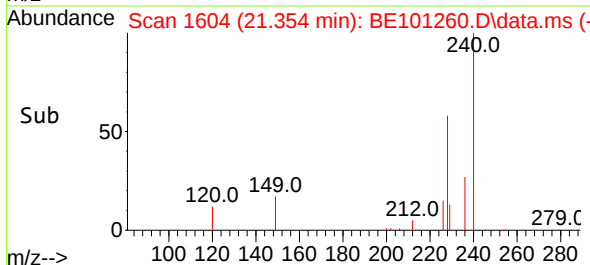
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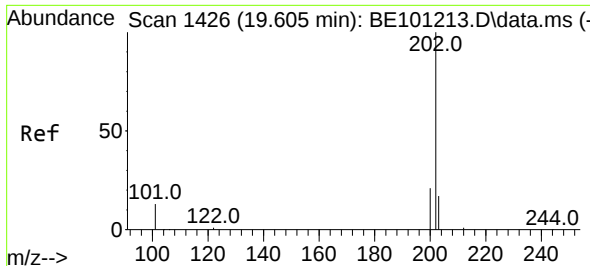


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.354 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

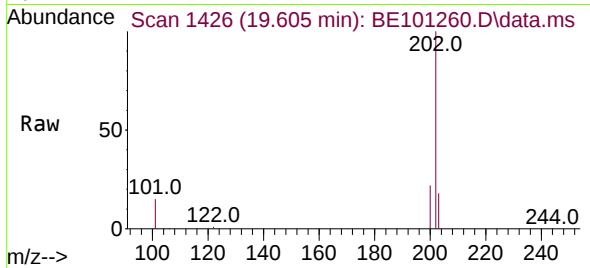


Tgt Ion:240 Resp: 29086
Ion Ratio Lower Upper
240 100
120 15.7 10.2 15.4#
236 28.8 21.7 32.5

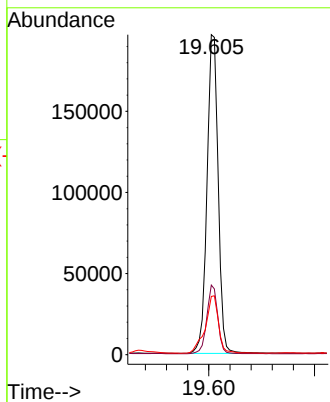
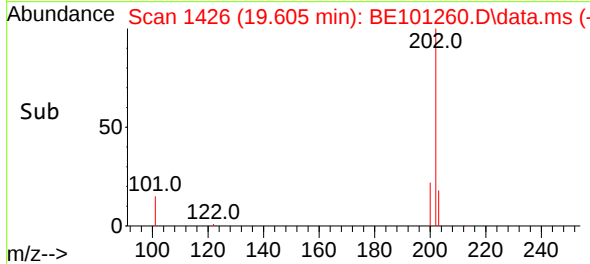




#30
Pyrene
Concen: 2.74 ng
RT: 19.605 min Scan# 1426
Delta R.T. -0.001 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52



Tgt Ion:202 Resp: 287683
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 21.4 13.8 20.8#



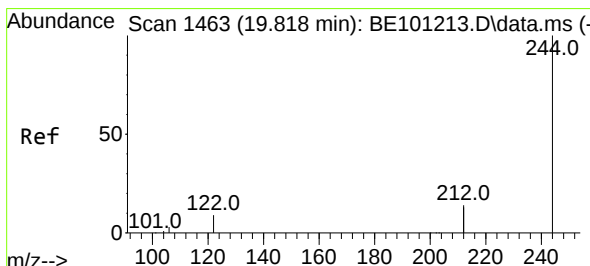
Instrument :
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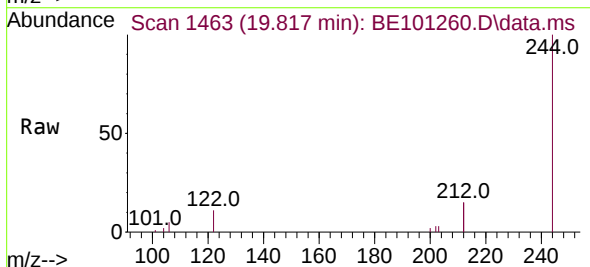
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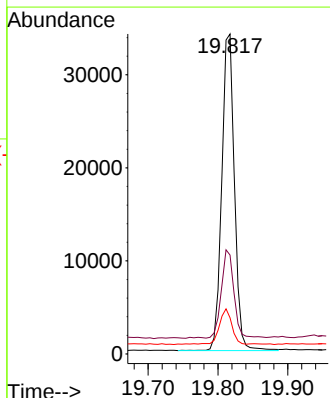
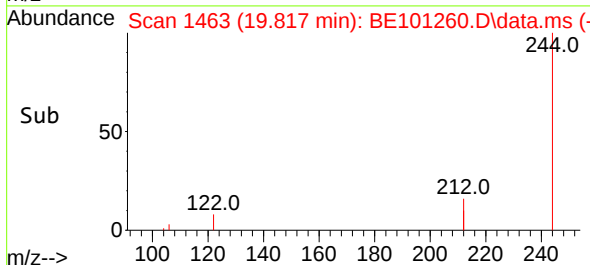
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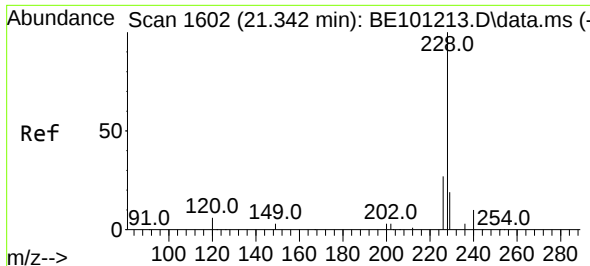


#31
Terphenyl-d14
Concen: 0.55 ng
RT: 19.817 min Scan# 1463
Delta R.T. 0.005 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52



Tgt Ion:244 Resp: 43076
Ion Ratio Lower Upper
244 100
212 30.9 21.9 32.9
122 11.3 7.3 10.9#





#32
Benzo(a)anthracene
Concen: 0.46 ng
RT: 21.342 min Scan# 1603
Delta R.T. 0.000 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion:228 Resp: 37865
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.2
229 22.1 15.7 23.5

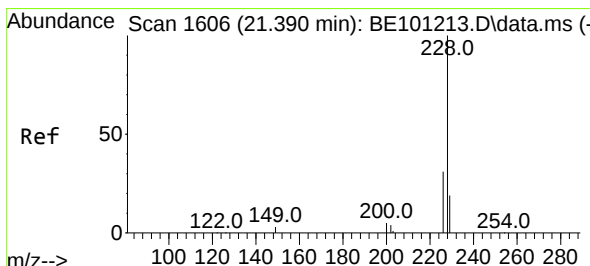
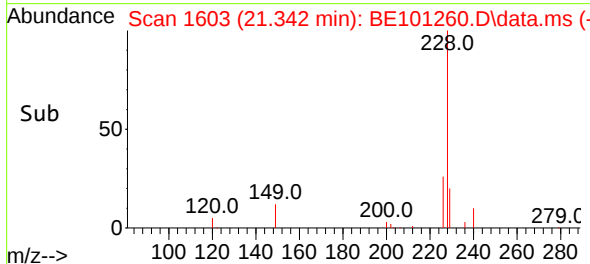
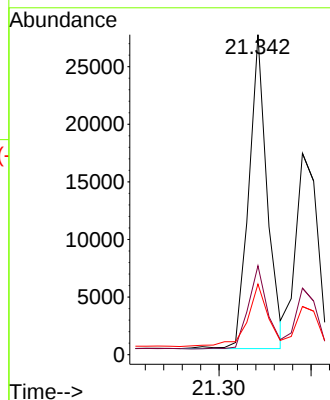
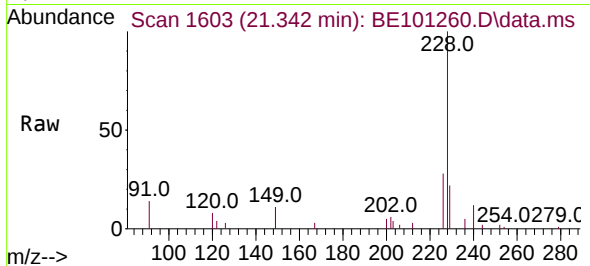
Instrument :
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ClientSampleId :
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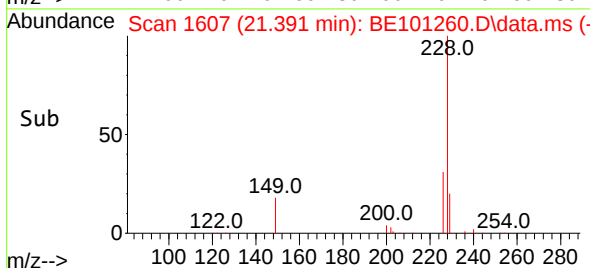
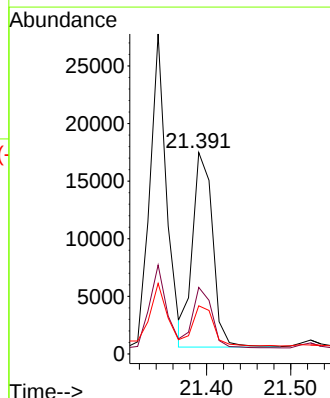
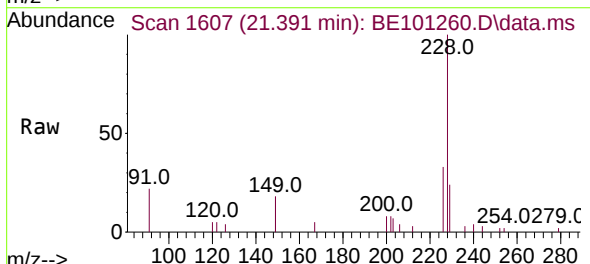
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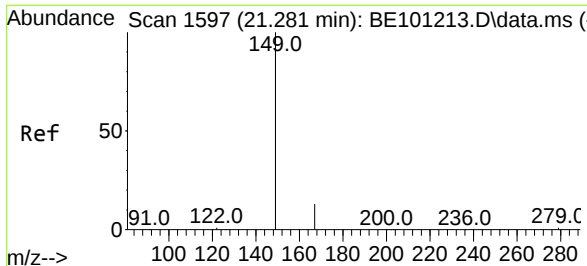
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#33
Chrysene
Concen: 0.29 ng m
RT: 21.391 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion:228 Resp: 28159
Ion Ratio Lower Upper
228 100
226 33.0 24.8 37.2
229 23.9 15.2 22.8#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.22 ng
RT: 21.282 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion: 149 Resp: 13068
Ion Ratio Lower Upper
149 100
167 8.0 5.5 8.3
279 1.9 1.0 1.4#

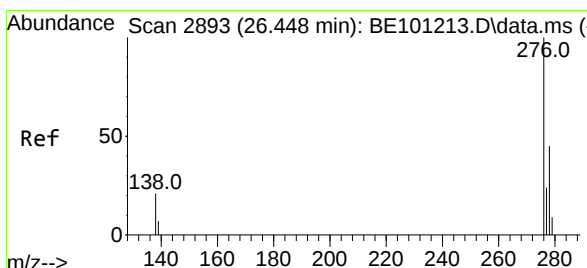
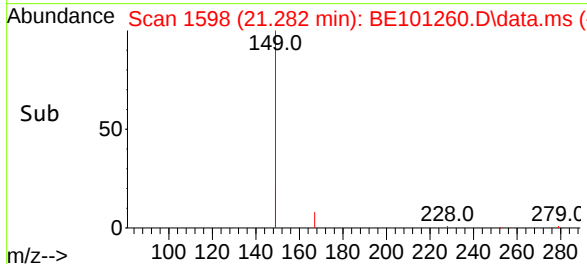
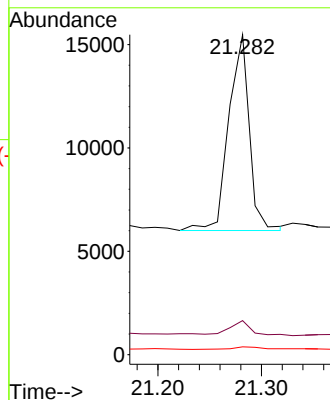
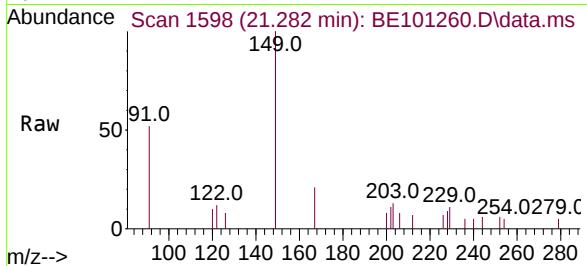
Instrument :
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ClientSampleId :
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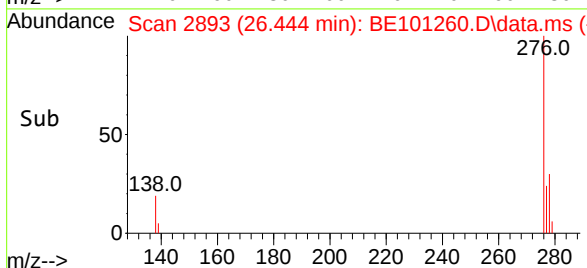
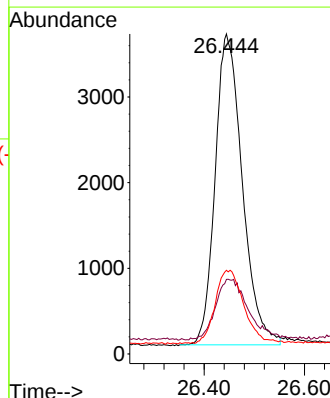
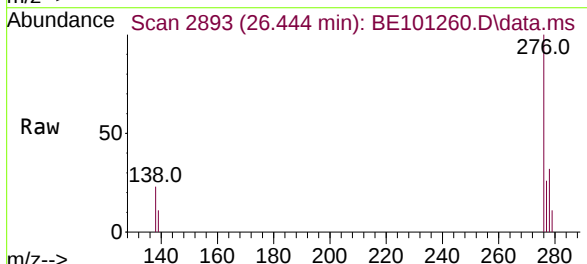
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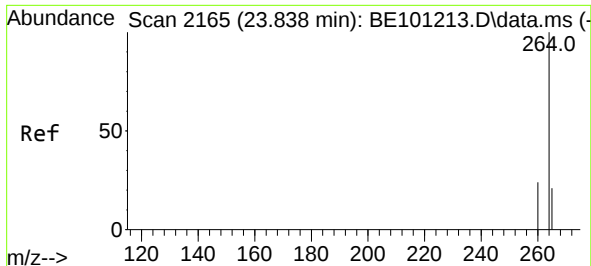
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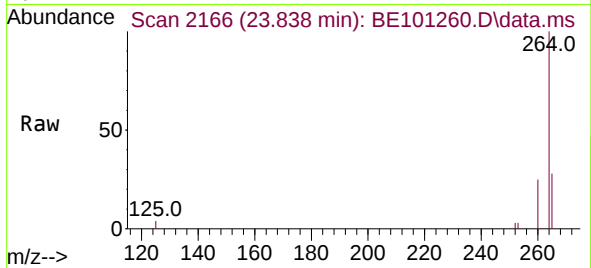
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.19 ng
RT: 26.444 min Scan# 2893
Delta R.T. -0.000 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion: 276 Resp: 13619
Ion Ratio Lower Upper
276 100
138 23.5 17.4 26.0
277 24.7 19.8 29.8

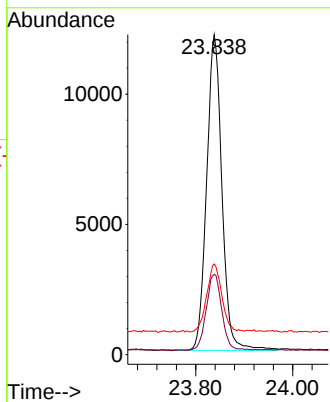
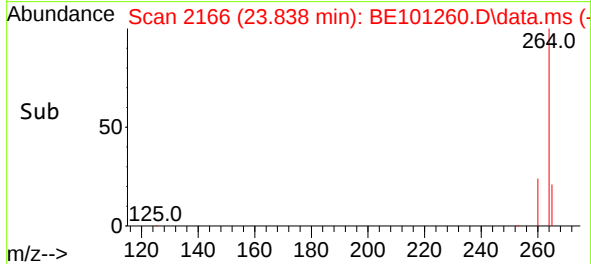




#36
Perylene-d12
Concen: 0.40 ng
RT: 23.838 min Scan# 2166
Delta R.T. 0.003 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52



Tgt Ion:264 Resp: 26490
Ion Ratio Lower Upper
264 100
260 25.1 19.3 28.9
265 28.4 22.4 33.6



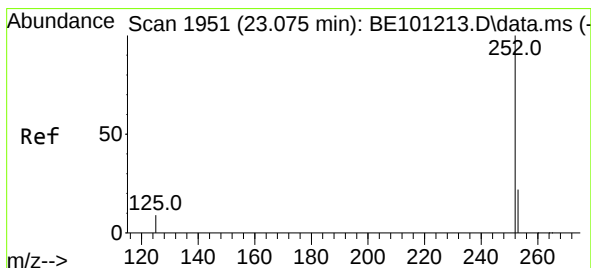
Instrument :
BNA_E
ClientSampleId :
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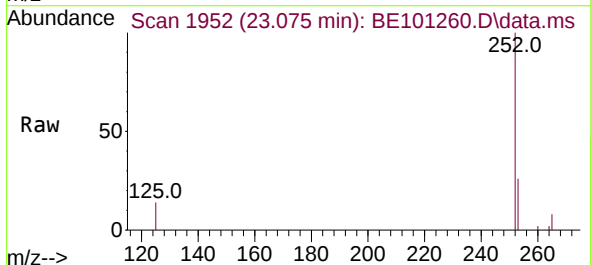
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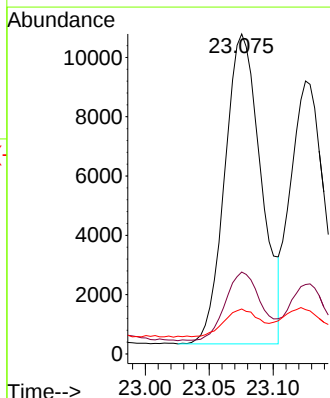
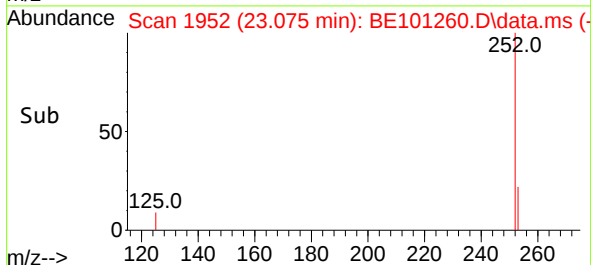
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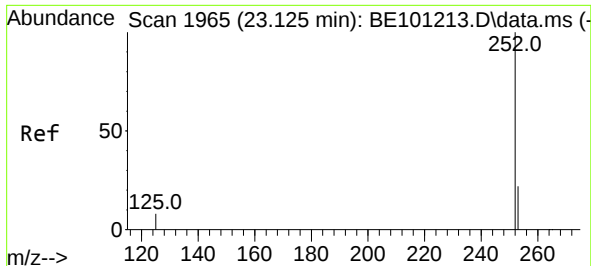


#37
Benzo(b)fluoranthene
Concen: 0.24 ng
RT: 23.075 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52



Tgt Ion:252 Resp: 20612
Ion Ratio Lower Upper
252 100
253 25.6 18.1 27.1
125 14.1 7.6 11.4#





#38
Benzo(k)fluoranthene
Concen: 0.17 ng
RT: 23.125 min Scan# 1966
Delta R.T. -0.000 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.8	26.6
125	16.2	7.6	11.4#

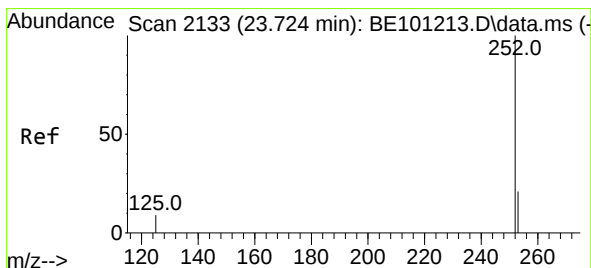
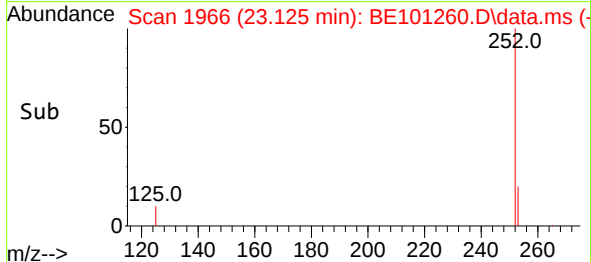
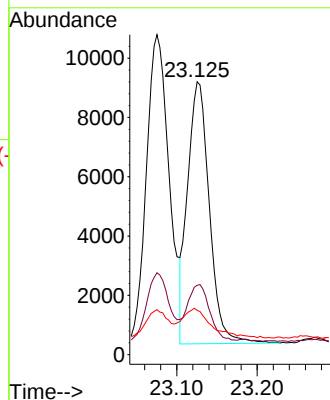
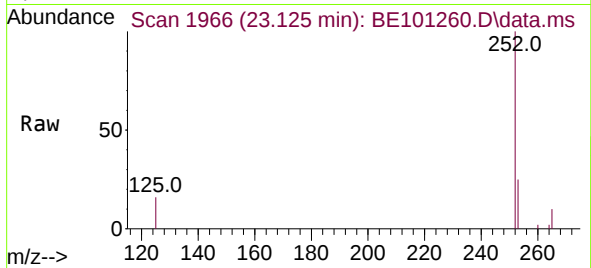
Instrument :
BNA_E
ClientSampleId :
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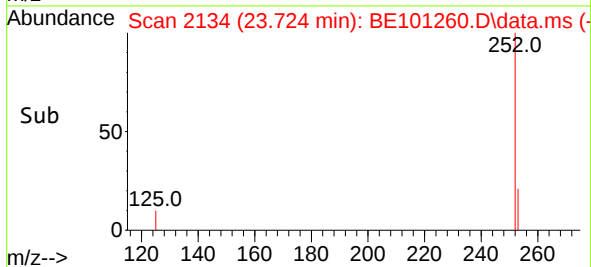
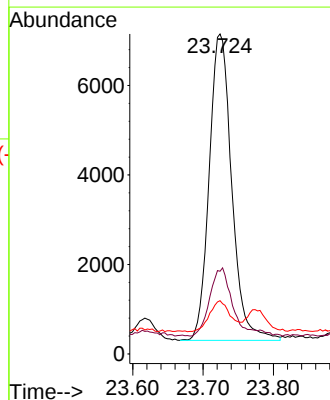
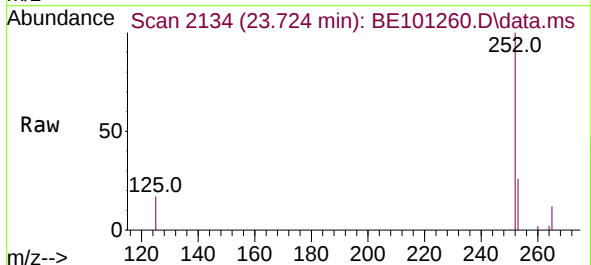
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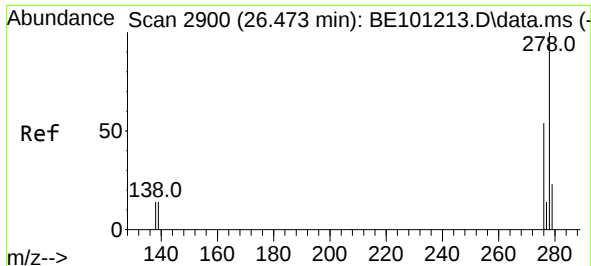
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#39
Benzo(a)pyrene
Concen: 0.21 ng
RT: 23.724 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.0	27.0
125	16.6	8.0	12.0#





#40
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 26.477 min Scan# 2902
Delta R.T. 0.003 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion: 278 Resp: 9745
Ion Ratio Lower Upper
278 100
139 24.2 12.2 18.2#
279 26.9 19.3 28.9

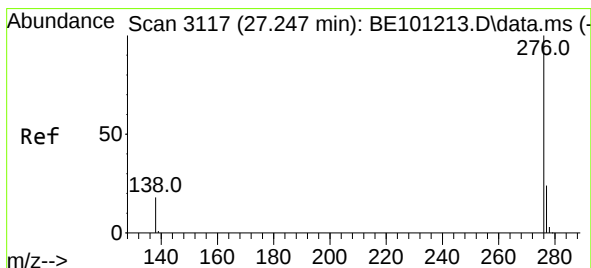
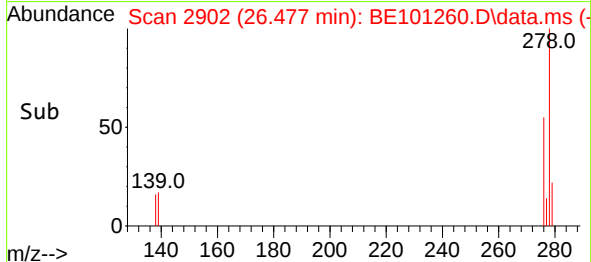
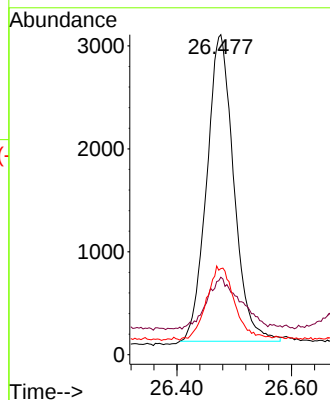
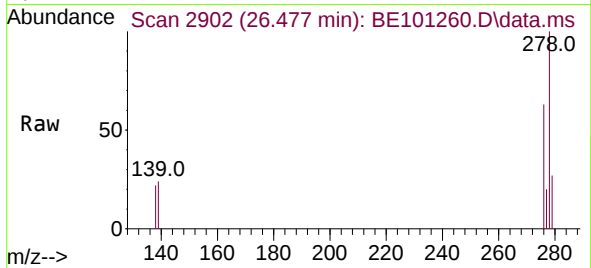
Instrument :
BNA_E
ClientSampleId :
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#41
Benzo(g,h,i)perylene
Concen: 0.15 ng
RT: 27.247 min Scan# 3118
Delta R.T. 0.003 min
Lab File: BE101260.D
Acq: 9 Apr 2021 3:52

Tgt Ion: 276 Resp: 11699
Ion Ratio Lower Upper
276 100
277 26.9 19.4 29.0
138 23.2 15.2 22.8#

