

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060321\
 Data File : BP005703.D
 Acq On : 04 Jun 2021 00:20
 Operator : CG/JU
 Sample : M2580-03DL 25X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleID :
 18-B1(4-6)DL

Manual Integrations
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mohammad
 6/4/2021 9:35:09 AM

Quant Time: Jun 04 01:06:48 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 27 16:11:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	187902	20.00	ng	0.00
21) Naphthalene-d8	10.793	136	713459	20.00	ng	0.00
39) Acenaphthene-d10	14.610	164	442104	20.00	ng	0.00
64) Phenanthrene-d10	17.351	188	916634	20.00	ng	# 0.00
76) Chrysene-d12	21.421	240	912383	20.00	ng	# 0.00
86) Perylene-d12	23.863	264	1039611	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	34087	2.82	ng	0.00
7) Phenol-d6	7.146	99	40461	2.46	ng	0.00
23) Nitrobenzene-d5	9.146	82	25433	1.98	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	18050	3.18	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	64184	1.92	ng	0.00
79) Terphenyl-d14	19.892	244	99326	2.04	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.840	128	595957	14.03	ng	98
37) 2-Methylnaphthalene	12.445	142	225618	7.49	ng	# 89
38) 1-Methylnaphthalene	12.663	142	139496	4.88	ng	# 92
52) Acenaphthene	14.675	154	253810	8.58	ng	96
55) Dibenzofuran	15.004	168	319081	7.04	ng	97
58) Fluorene	15.651	166	391708	10.81	ng	100
71) Phenanthrene	17.398	178	2634079	46.13	ng	100
72) Anthracene	17.486	178	703778	12.48	ng	99
73) Carbazole	17.751	167	318615	5.74	ng	99
75) Fluoranthene	19.357	202	2919149	42.58	ng	96
78) Pyrene	19.704	202	2413047	37.48	ng	99
80) Butylbenzylphthalate	20.563	149	127469	8.60	ng	# 91
81) Benzo(a)anthracene	21.404	228	1198619	17.90	ng	97
83) Chrysene	21.457	228	1023459	15.78	ng	96
84) Bis(2-ethylhexyl)phtha...	21.321	149	206806	5.69	ng	# 95
87) Indeno(1,2,3-cd)pyrene	26.433	276	650293	7.35	ng	# 93
88) Benzo(b)fluoranthene	23.121	252	1355457	17.97	ng	# 97
89) Benzo(k)fluoranthene	23.163	252	415743m	5.82	ng	
90) Benzo(a)pyrene	23.757	252	1003259	14.62	ng	# 95
91) Dibenzo(a,h)anthracene	26.433	278	178607	2.33	ng	# 81
92) Benzo(g,h,i)perylene	27.221	276	616667	8.33	ng	# 94

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

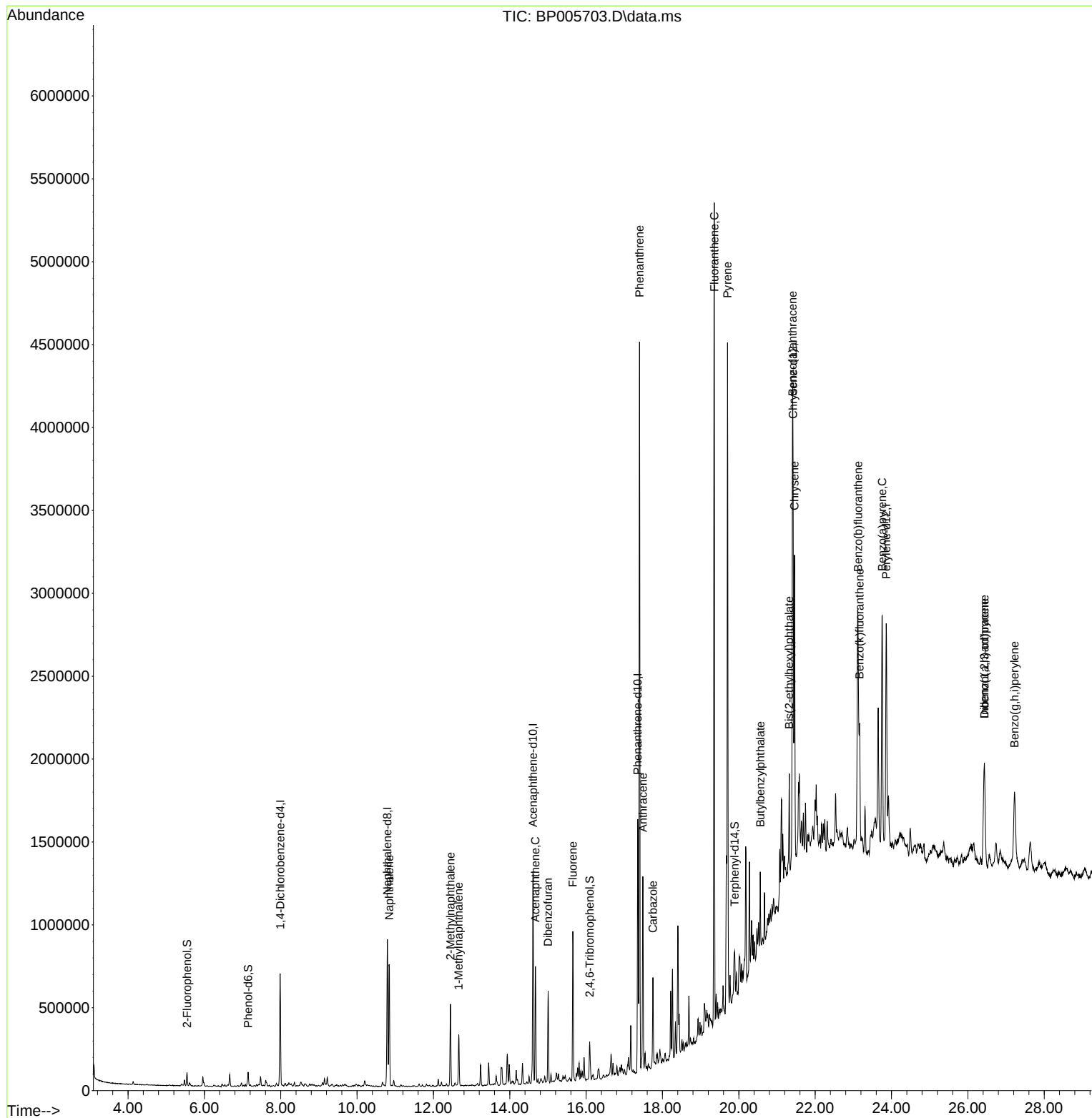
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060321\
Data File : BP005703.D
Acq On : 04 Jun 2021 00:20
Operator : CG/JU
Sample : M2580-03DL 25X
Misc :
ALS Vial : 21 Sample Multiplier: 1

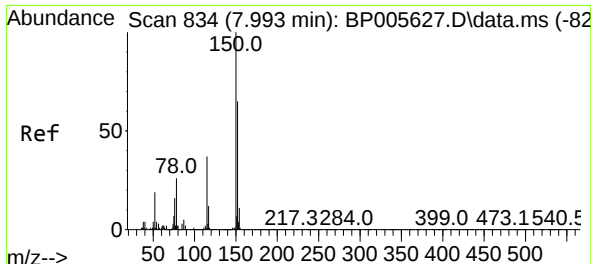
Instrument :
BNA_P
ClientSampleId :
18-B1(4-6)DL

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Quant Time: Jun 04 01:06:48 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 27 16:11:11 2021
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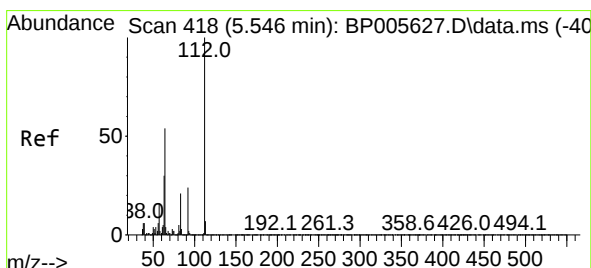
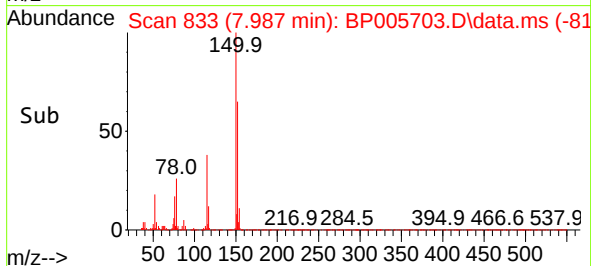
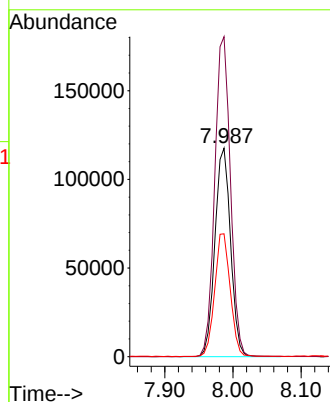
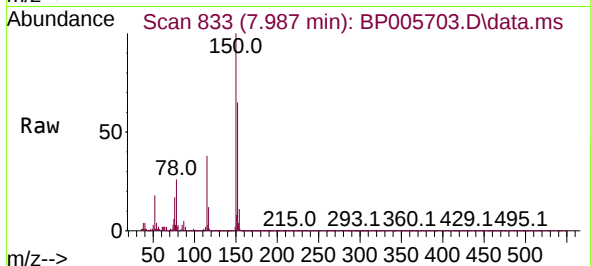
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.987 min Scan# 833
Delta R.T. -0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

Tgt Ion:152 Resp: 187902
Ion Ratio Lower Upper
152 100
150 153.5 119.8 179.8
115 58.9 49.0 73.4

Instrument :
BNA_P
ClientSampleId :
18-B1(4-6)DL

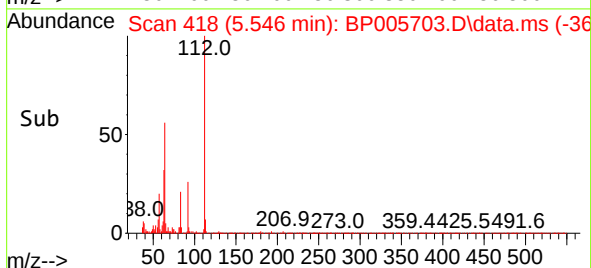
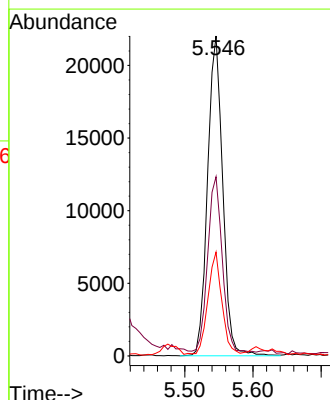
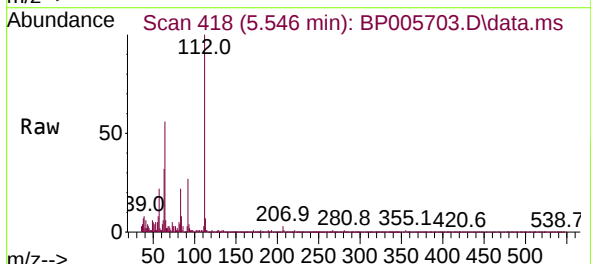
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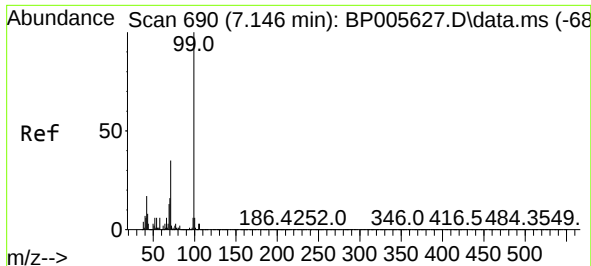
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#5
2-Fluorophenol
Concen: 2.82 ng
RT: 5.546 min Scan# 418
Delta R.T. -0.000 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

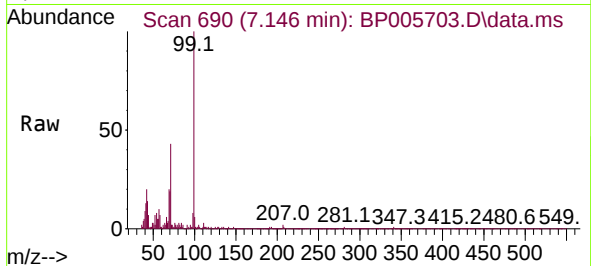
Tgt Ion:112 Resp: 34087
Ion Ratio Lower Upper
112 100
64 56.0 33.6 50.4#
63 32.5 18.6 27.8#





#7
Phenol-d6
Concen: 2.46 ng
RT: 7.146 min Scan# 690
Delta R.T. -0.000 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

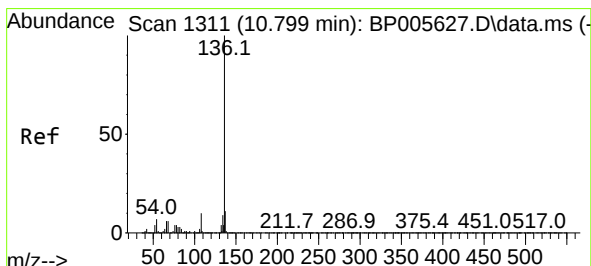
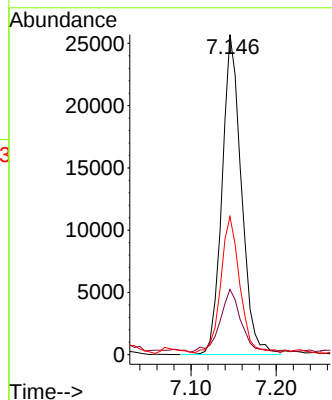
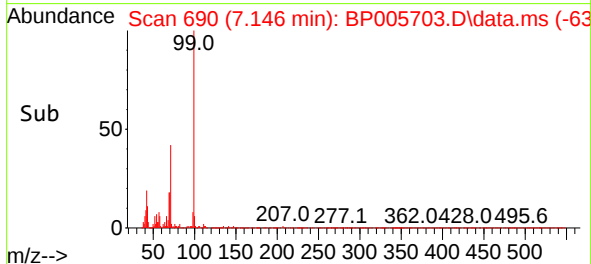
Instrument :
BNA_P
ClientSampled :
18-B1(4-6)DL



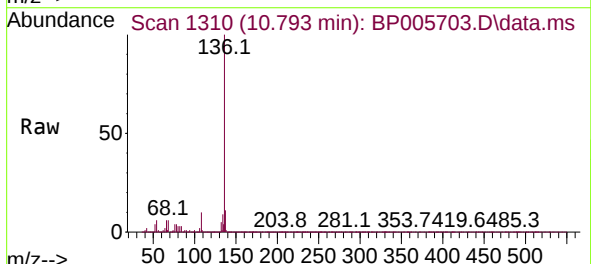
Tgt Ion	Ratio	Lower	Upper
99	100		
42	20.4	12.9	19.3#
71	43.2	26.7	40.1#

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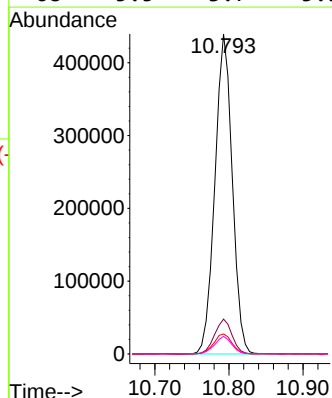
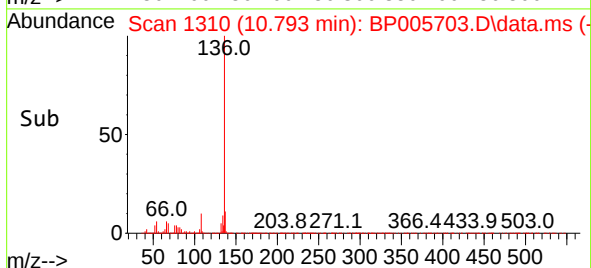
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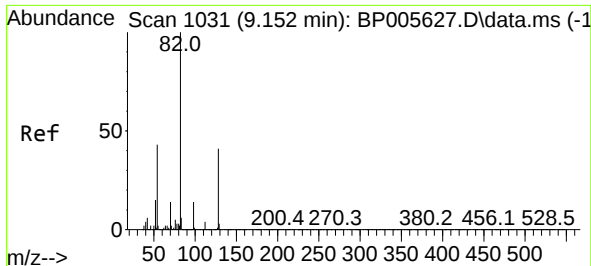


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.793 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20



Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.3	5.0	7.4
68	5.5	3.7	5.5





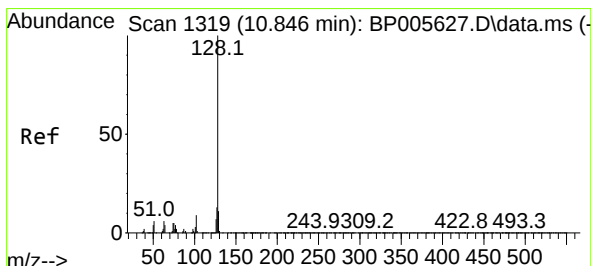
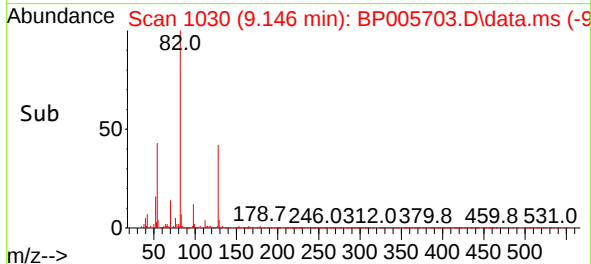
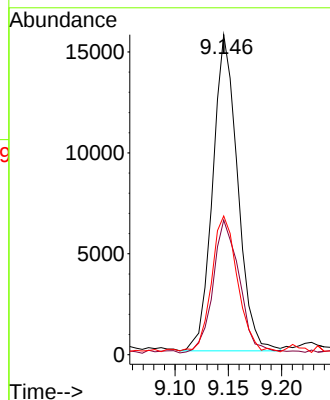
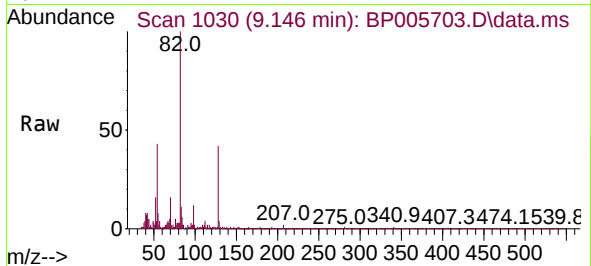
#23
Nitrobenzene-d5
Concen: 1.98 ng
RT: 9.146 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

Tgt Ion: 82 Resp: 25433
Ion Ratio Lower Upper
82 100
128 42.1 30.5 45.7
54 43.3 33.9 50.9

Instrument :
BNA_P
ClientSampleId :
18-B1(4-6)DL

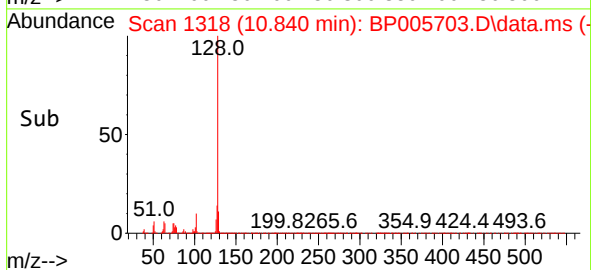
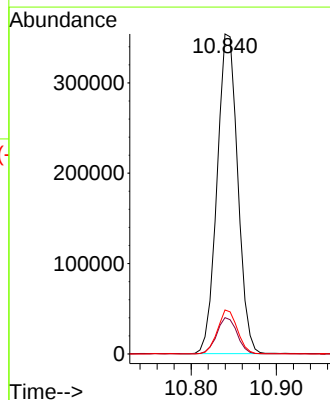
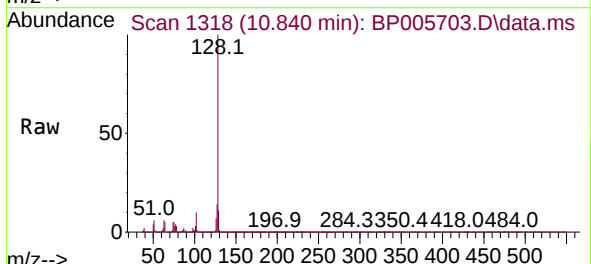
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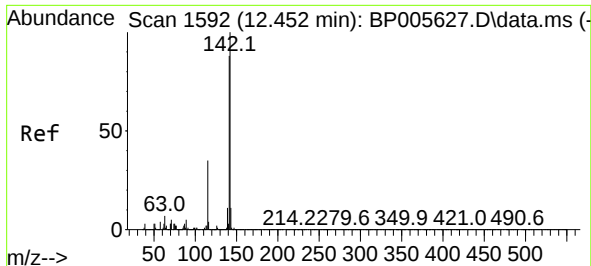
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#31
Naphthalene
Concen: 14.03 ng
RT: 10.840 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

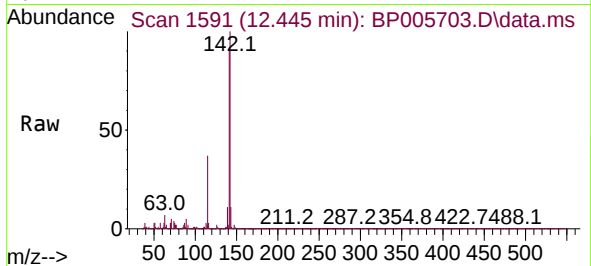
Tgt Ion: 128 Resp: 595957
Ion Ratio Lower Upper
128 100
129 11.4 8.0 12.0
127 13.7 11.1 16.7





#37
2-Methylnaphthalene
Concen: 7.49 ng
RT: 12.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

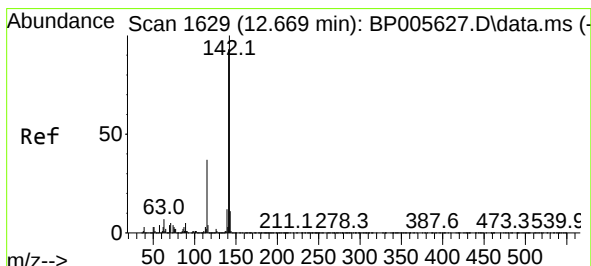
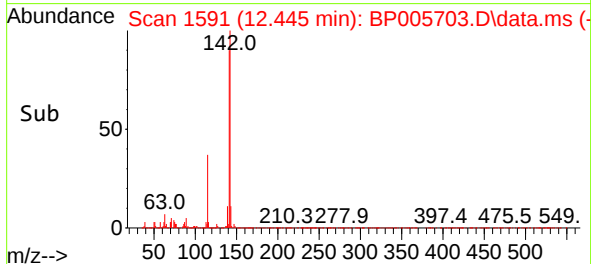
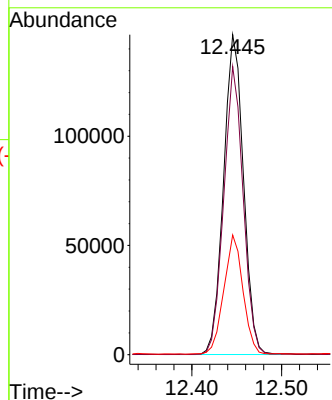
Instrument :
BNA_P
ClientSampleId :
18-B1(4-6)DL



Tgt Ion:142 Resp: 225618
Ion Ratio Lower Upper
142 100
141 90.0 74.7 112.1
115 37.4 43.8 65.8#

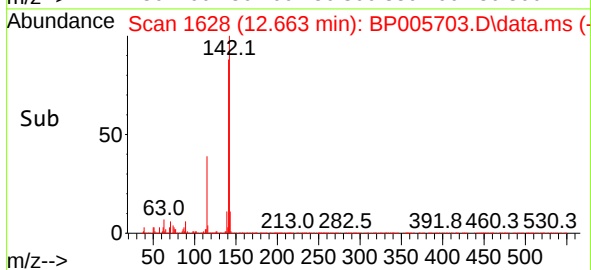
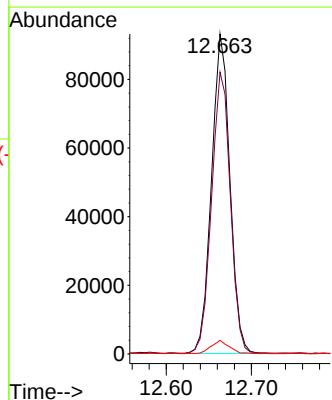
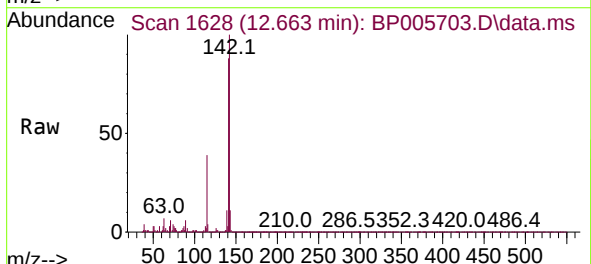
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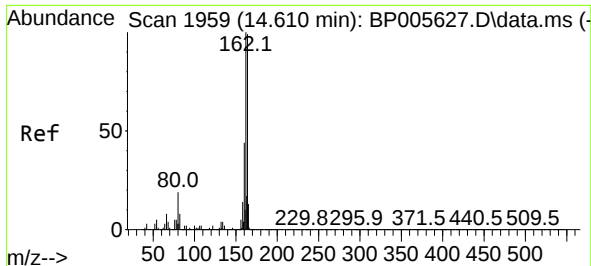
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#38
1-Methylnaphthalene
Concen: 4.88 ng
RT: 12.663 min Scan# 1628
Delta R.T. -0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

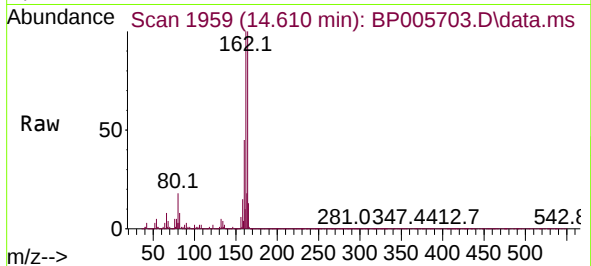
Tgt Ion:142 Resp: 139496
Ion Ratio Lower Upper
142 100
141 88.0 77.0 115.6
116 4.2 5.0 7.6#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

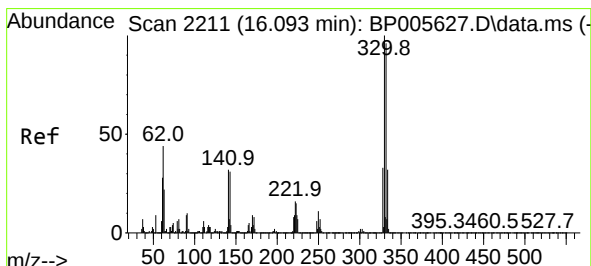
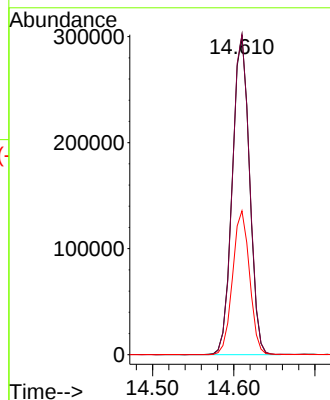
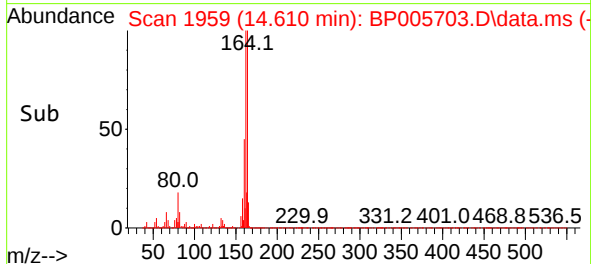
Instrument :
BNA_P
ClientSampleId :
18-B1(4-6)DL



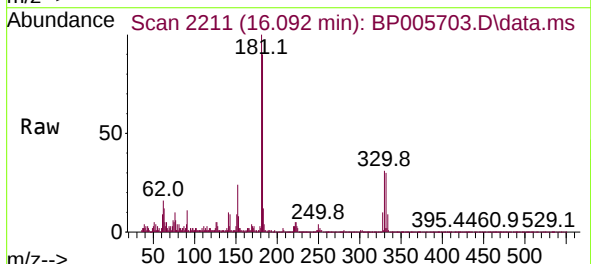
Tgt Ion:164 Resp: 442104
Ion Ratio Lower Upper
164 100
162 100.2 73.5 110.3
160 45.0 40.6 61.0

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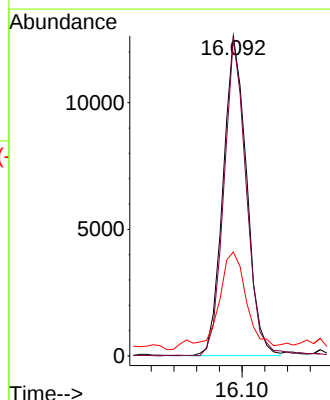
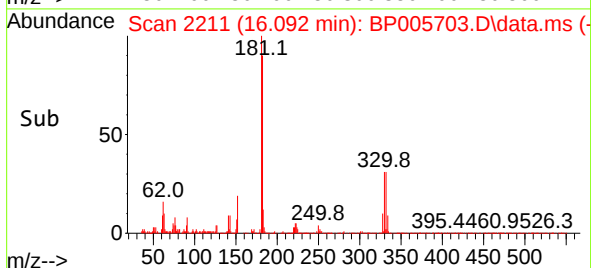
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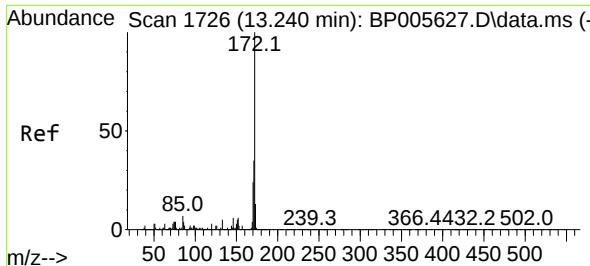


#42
2,4,6-Tribromophenol
Concen: 3.18 ng
RT: 16.092 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20



Tgt Ion:330 Resp: 18050
Ion Ratio Lower Upper
330 100
332 95.5 76.3 114.5
141 30.9 22.8 34.2





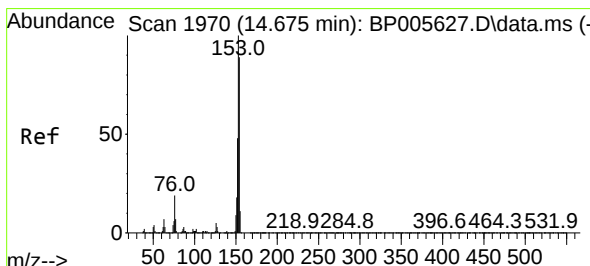
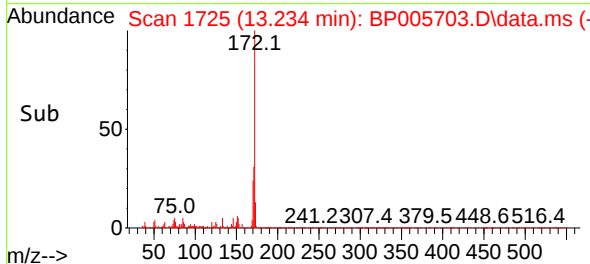
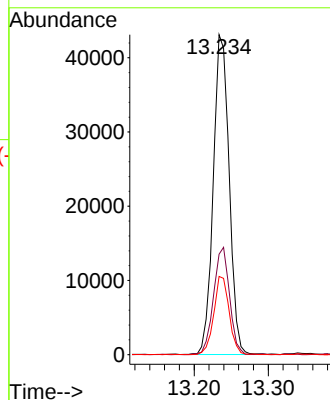
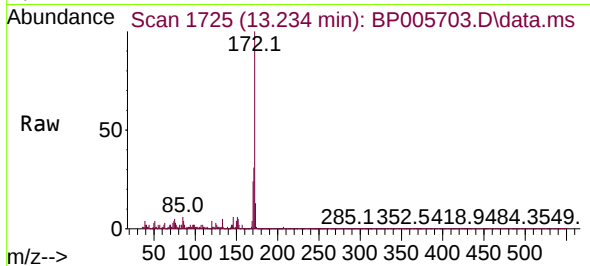
#45
2-Fluorobiphenyl
Concen: 1.92 ng
RT: 13.234 min Scan# 1725
Delta R.T. -0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

Tgt Ion:	172	Resp:	64184
Ion Ratio	Lower	Upper	
172	100		
171	31.4	28.1	42.1
170	24.5	19.6	29.4

Instrument :
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ClientSampled :
18-B1(4-6)DL

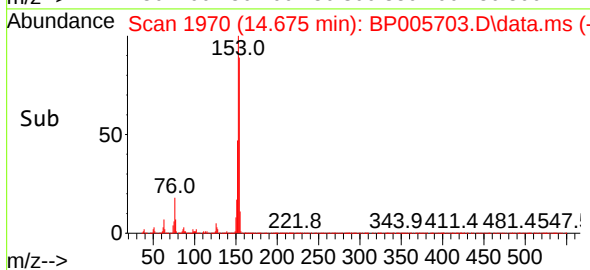
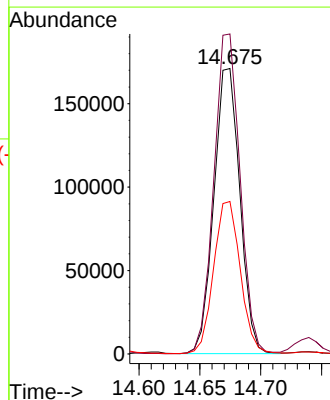
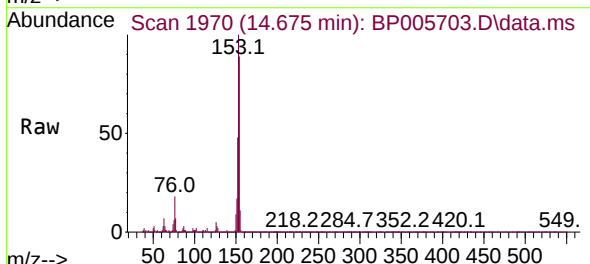
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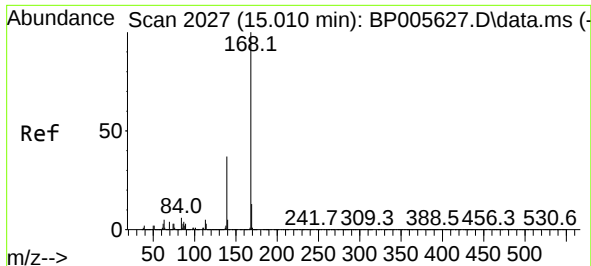
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#52
Acenaphthene
Concen: 8.58 ng
RT: 14.675 min Scan# 1970
Delta R.T. -0.000 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

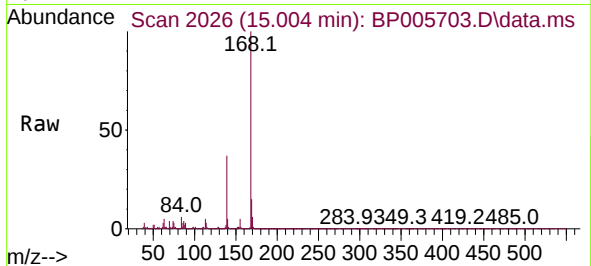
Tgt Ion:	154	Resp:	253810
Ion Ratio	Lower	Upper	
154	100		
153	112.1	90.9	136.3
152	53.4	48.5	72.7





#55
Dibenzofuran
Concen: 7.04 ng
RT: 15.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

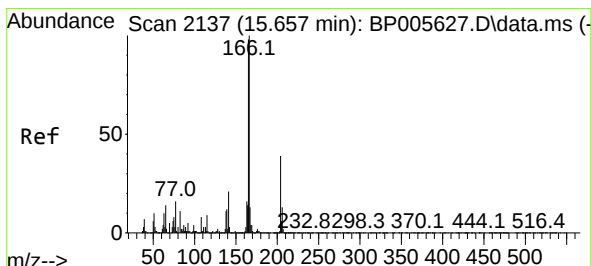
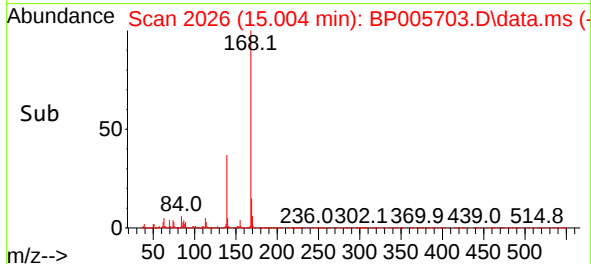
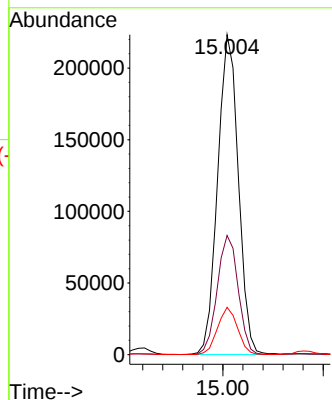
Instrument :
BNA_P
ClientSampleID :
18-B1(4-6)DL



Tgt Ion:168 Resp: 319081
Ion Ratio Lower Upper
168 100
139 37.2 31.4 47.0
169 14.8 11.4 17.0

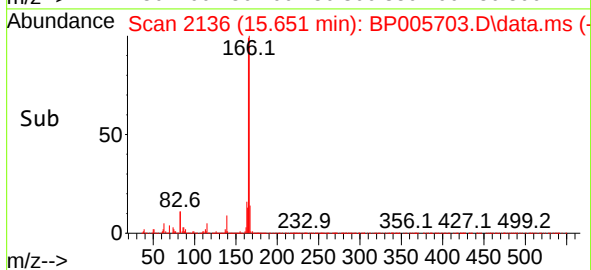
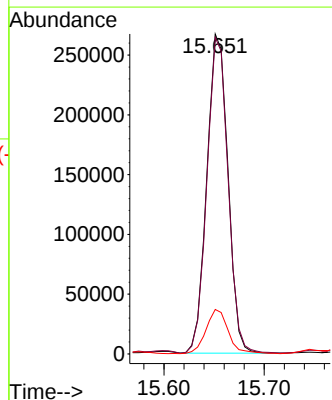
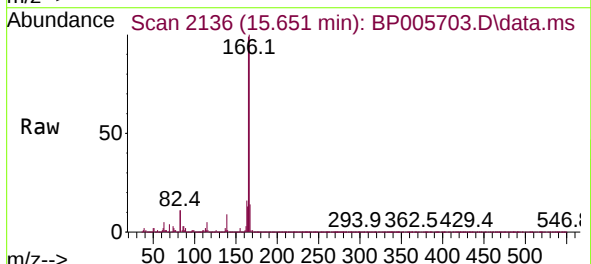
Manual Integrations
APPROVED

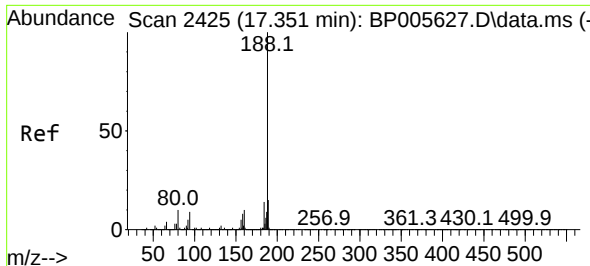
mohammad
6/4/2021 9:35:09 AM



#58
Fluorene
Concen: 10.81 ng
RT: 15.651 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

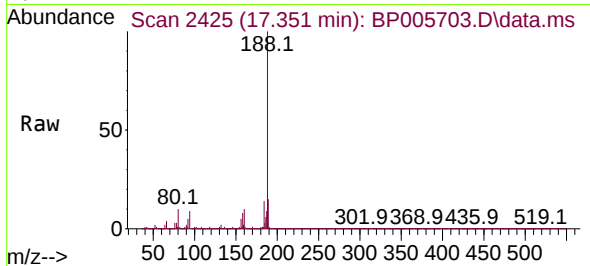
Tgt Ion:166 Resp: 391708
Ion Ratio Lower Upper
166 100
165 98.9 78.8 118.2
167 13.9 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

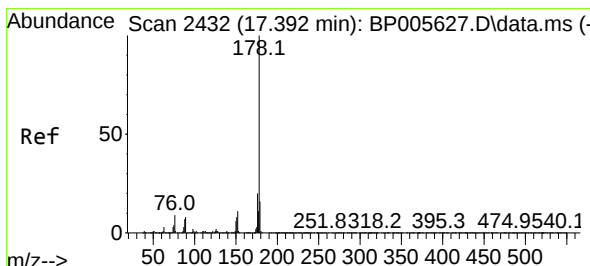
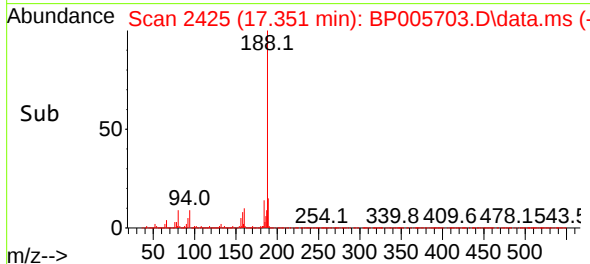
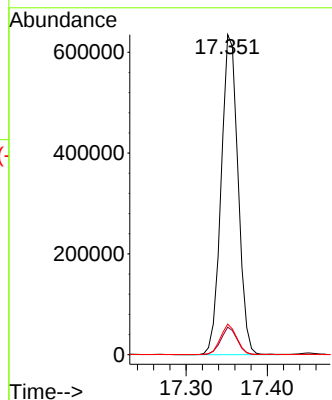
Instrument :
BNA_P
ClientSampleId :
18-B1(4-6)DL



Tgt Ion:188 Resp: 916634
Ion Ratio Lower Upper
188 100
94 8.6 5.0 7.6#
80 9.5 5.9 8.9#

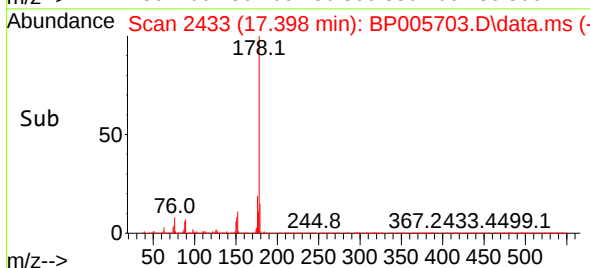
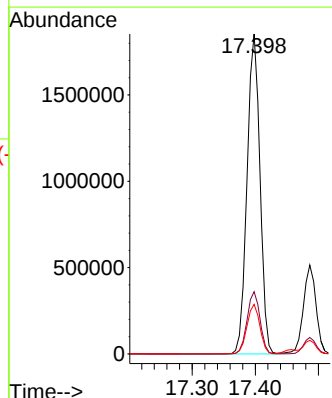
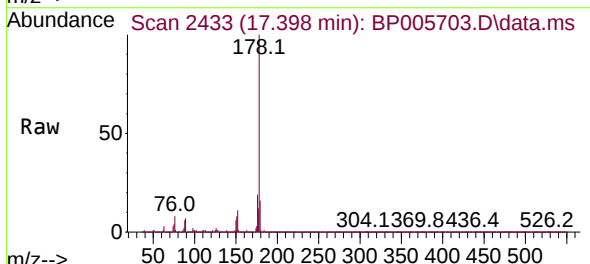
Manual Integrations
APPROVED

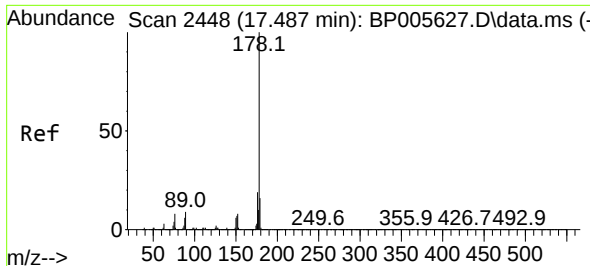
mohammad
6/4/2021 9:35:09 AM



#71
Phenanthrene
Concen: 46.13 ng
RT: 17.398 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

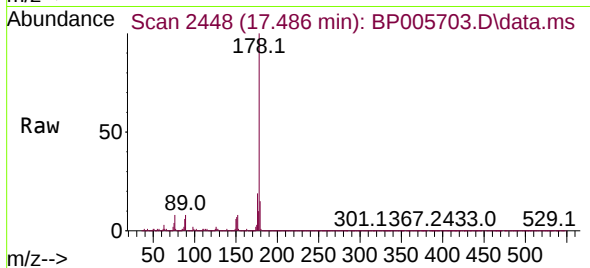
Tgt Ion:178 Resp: 2634079
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.5 12.3 18.5





#72
 Anthracene
 Concen: 12.48 ng
 RT: 17.486 min Scan# 2448
 Delta R.T. -0.000 min
 Lab File: BP005703.D
 Acq: 04 Jun 2021 00:20

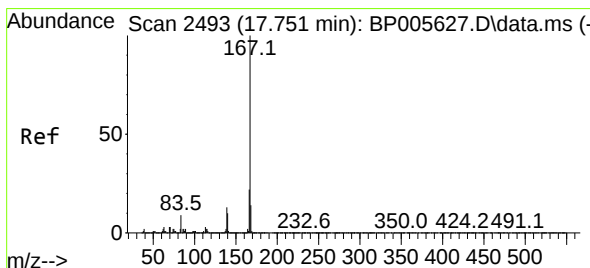
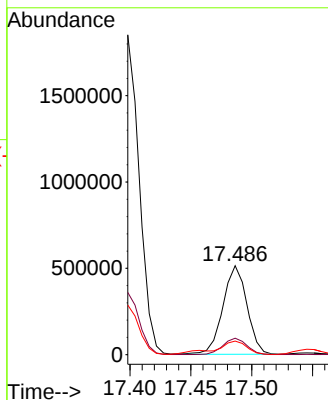
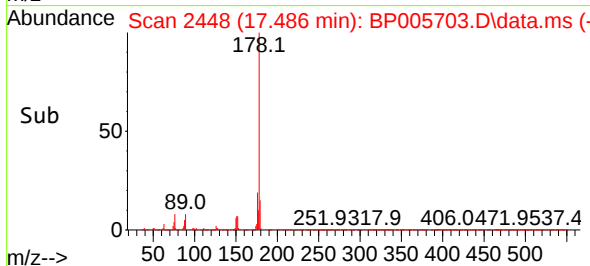
Instrument :
 BNA_P
 ClientSampleID :
 18-B1(4-6)DL



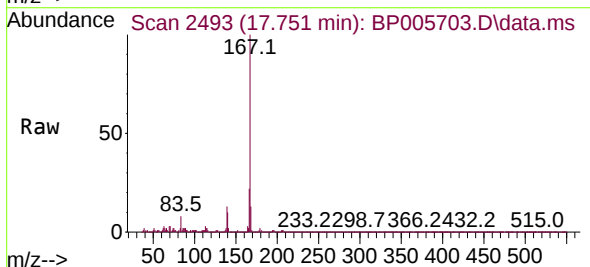
Tgt Ion:178 Resp: 703778
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.2 22.8
 179 15.3 12.6 19.0

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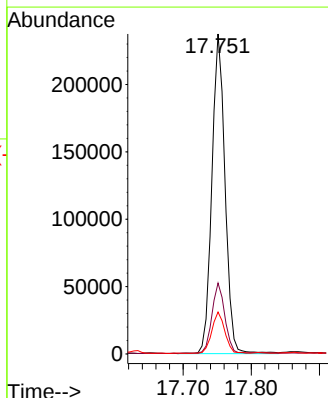
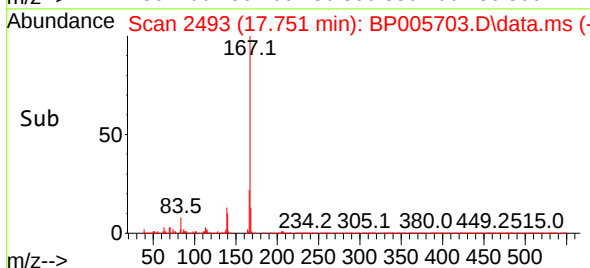
mohammad
 6/4/2021 9:35:09 AM

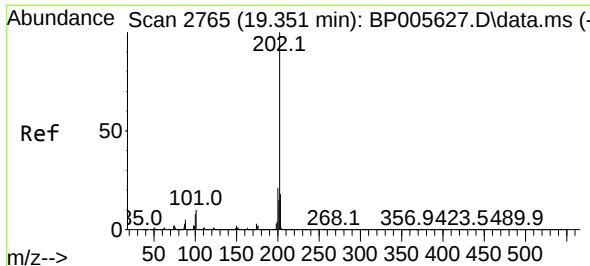


#73
 Carbazole
 Concen: 5.74 ng
 RT: 17.751 min Scan# 2493
 Delta R.T. -0.000 min
 Lab File: BP005703.D
 Acq: 04 Jun 2021 00:20



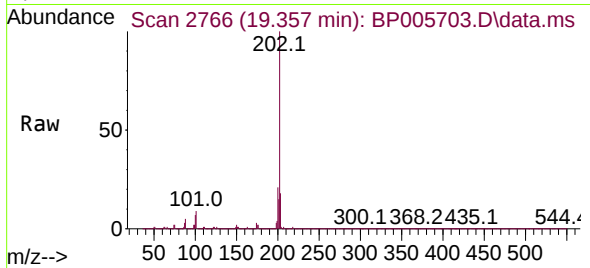
Tgt Ion:167 Resp: 318615
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.0
 139 13.1 10.4 15.6





#75
Fluoranthene
Concen: 42.58 ng
RT: 19.357 min Scan# 2766
Delta R.T. 0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

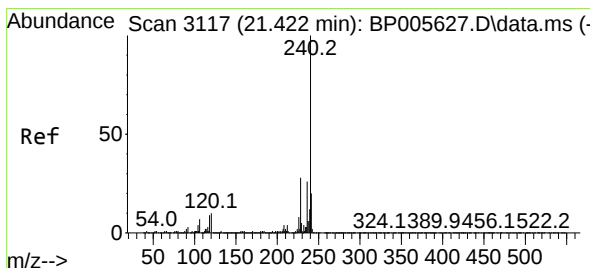
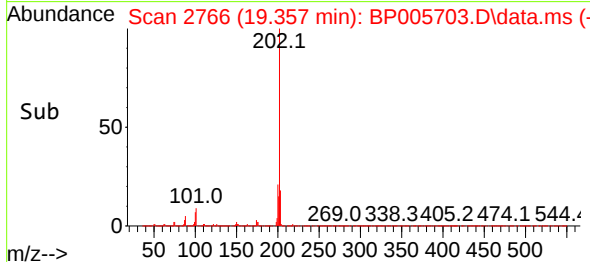
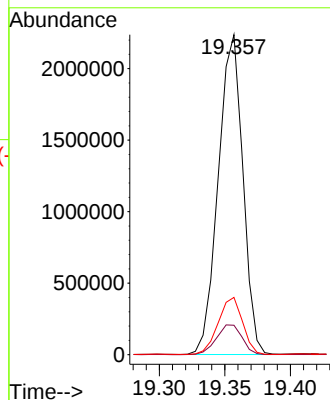
Instrument :
BNA_P
ClientSampled :
18-B1(4-6)DL



Tgt Ion:202 Resp: 2919149
Ion Ratio Lower Upper
202 100
101 9.2 0.0 26.1
203 17.9 0.0 37.2

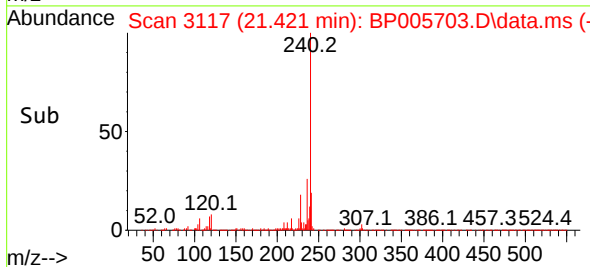
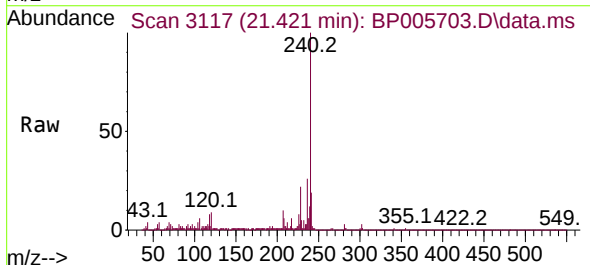
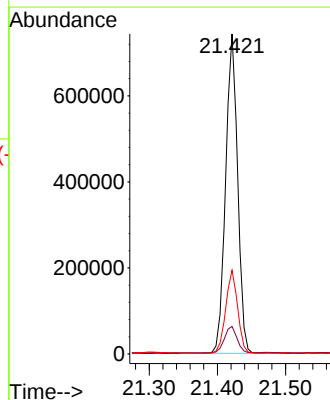
Manual Integrations
APPROVED

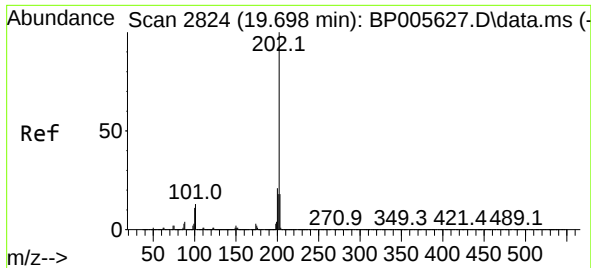
mohammad
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.421 min Scan# 3117
Delta R.T. -0.001 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

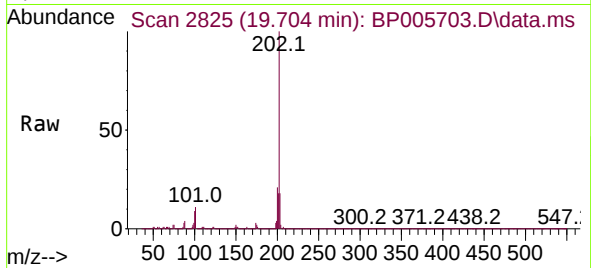
Tgt Ion:240 Resp: 912383
Ion Ratio Lower Upper
240 100
120 8.6 4.2 6.2#
236 26.2 20.2 30.2





#78
Pyrene
Concen: 37.48 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

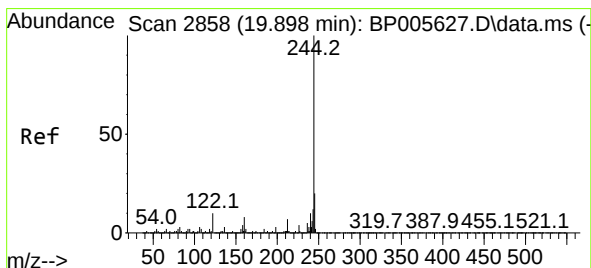
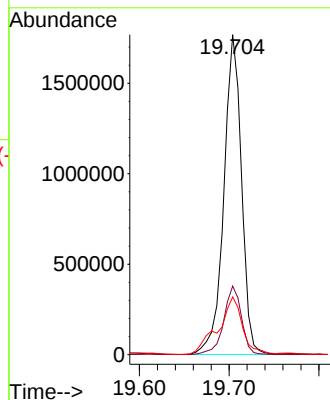
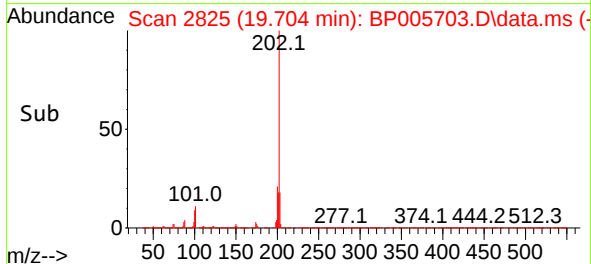
Instrument :
BNA_P
ClientSampled :
18-B1(4-6)DL



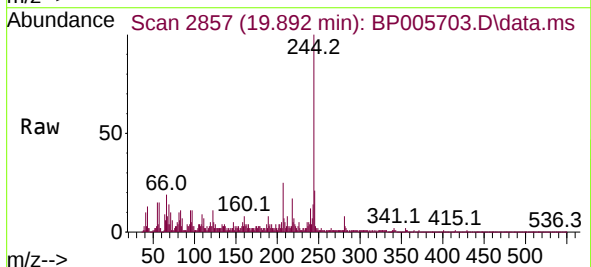
Tgt Ion:202 Resp: 2413047
Ion Ratio Lower Upper
202 100
200 21.5 16.9 25.3
203 18.0 13.8 20.6

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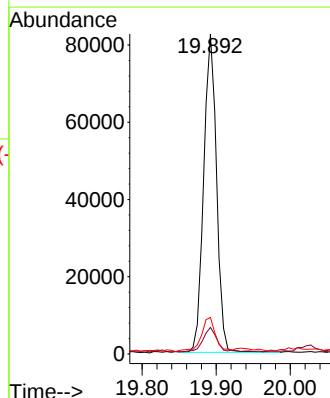
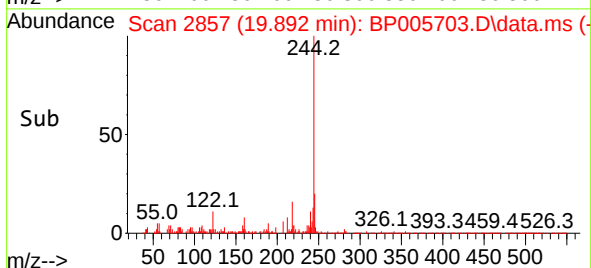
mohammad
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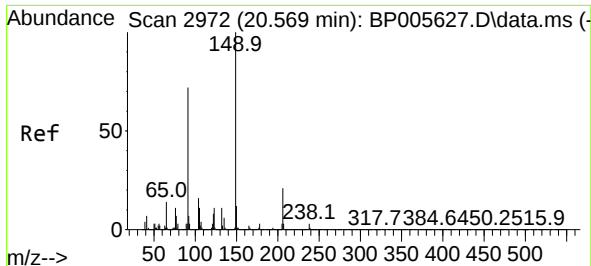


#79
Terphenyl-d14
Concen: 2.04 ng
RT: 19.892 min Scan# 2857
Delta R.T. -0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20



Tgt Ion:244 Resp: 99326
Ion Ratio Lower Upper
244 100
212 8.3 5.8 8.6
122 11.4 5.2 7.8#





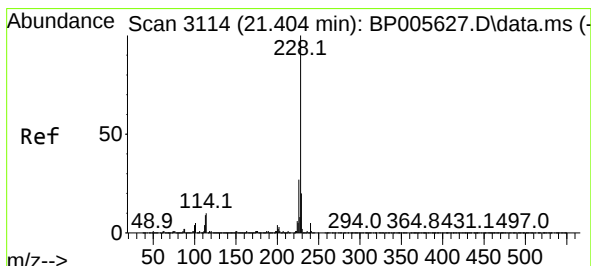
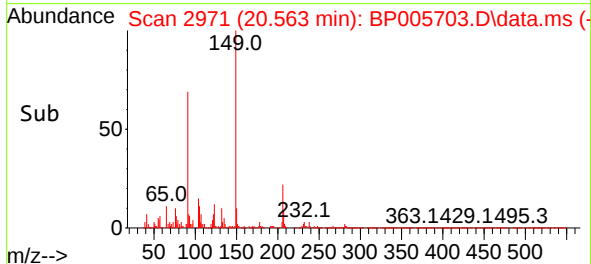
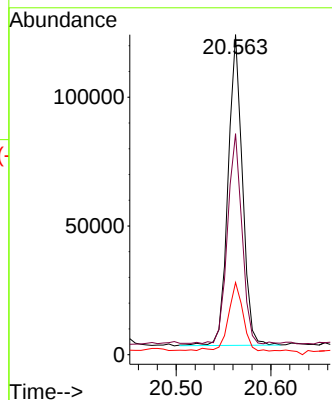
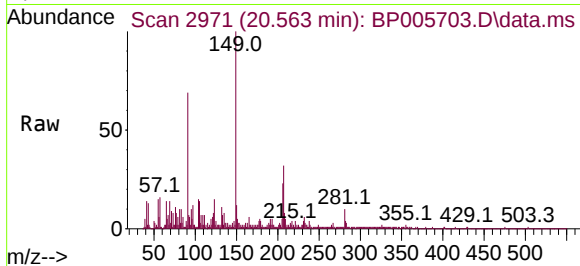
#80
Butylbenzylphthalate
Concen: 8.60 ng
RT: 20.563 min Scan# 2971
Delta R.T. -0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

Tgt Ion:149 Resp: 127469
Ion Ratio Lower Upper
149 100
91 69.0 60.2 90.4
206 22.6 23.9 35.9#

Instrument :
BNA_P
ClientSampleID :
18-B1(4-6)DL

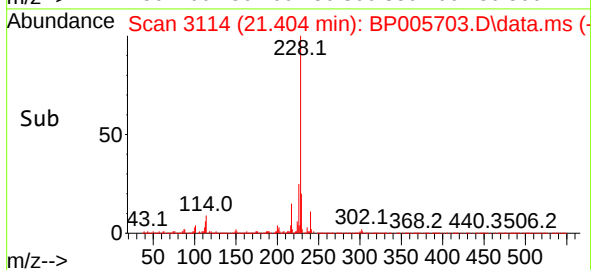
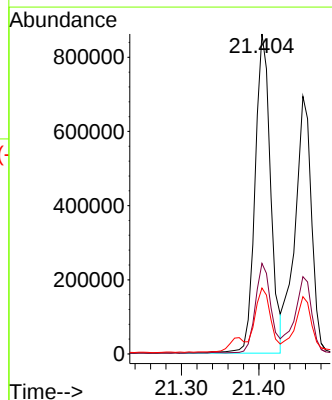
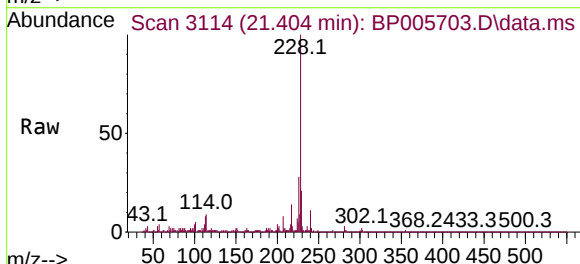
Manual Integrations
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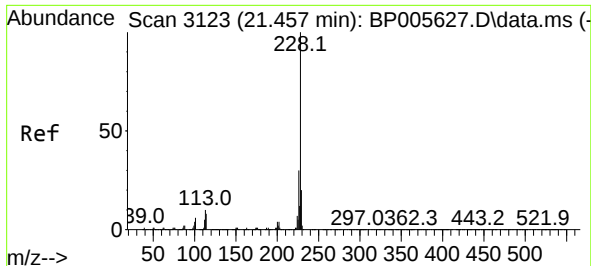
mohammad
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#81
Benzo(a)anthracene
Concen: 17.90 ng
RT: 21.404 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

Tgt Ion:228 Resp: 1198619
Ion Ratio Lower Upper
228 100
226 28.3 21.2 31.8
229 20.6 15.6 23.4





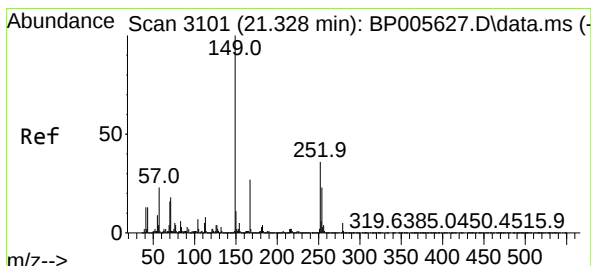
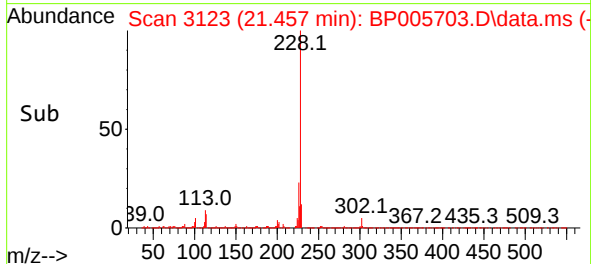
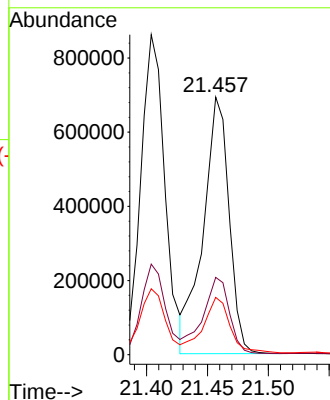
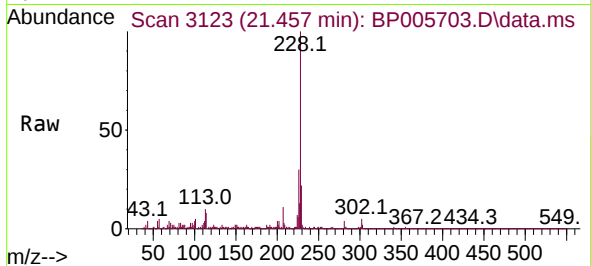
#83
Chrysene
Concen: 15.78 ng
RT: 21.457 min Scan# 3123
Delta R.T. -0.000 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

Tgt Ion:228 Resp: 1023459
Ion Ratio Lower Upper
228 100
226 30.0 24.8 37.2
229 22.2 15.4 23.0

Instrument :
BNA_P
ClientSampled :
18-B1(4-6)DL

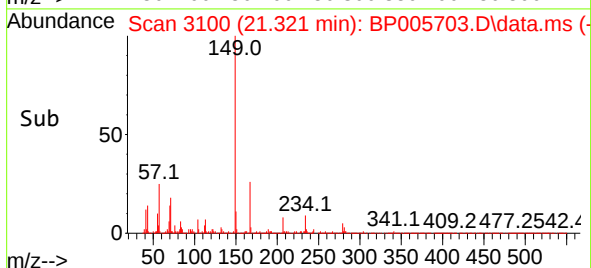
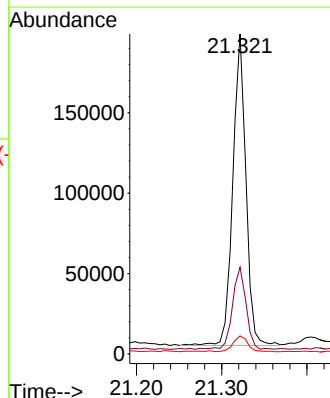
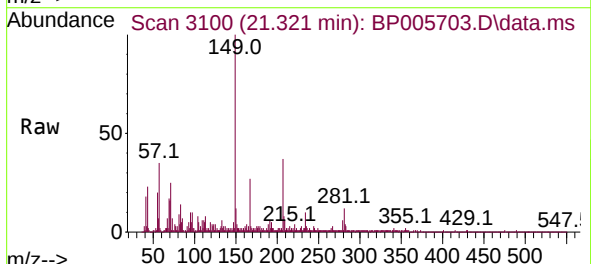
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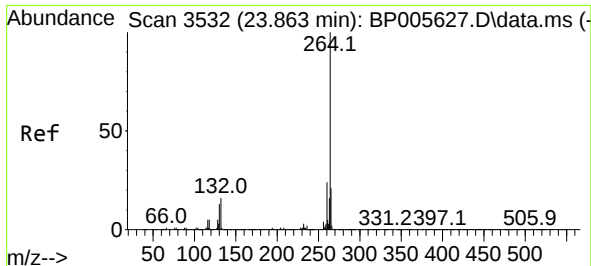
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 5.69 ng
RT: 21.321 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

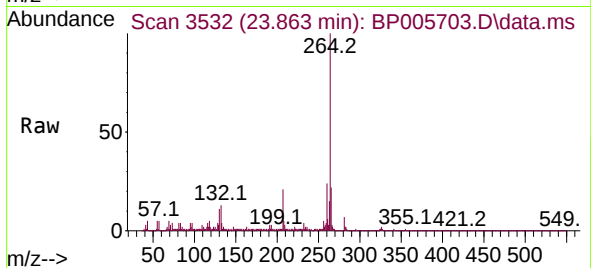
Tgt Ion:149 Resp: 206806
Ion Ratio Lower Upper
149 100
167 27.1 23.8 35.8
279 5.6 5.7 8.5#





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.863 min Scan# 3532
Delta R.T. -0.000 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

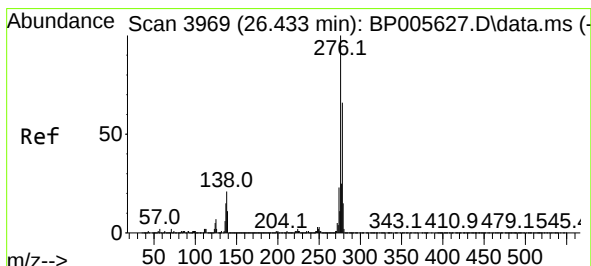
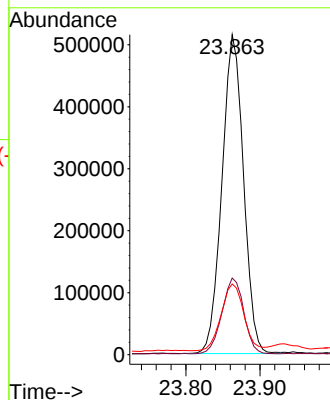
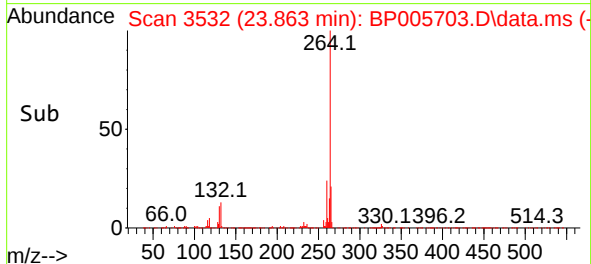
Instrument :
BNA_P
ClientSampled :
18-B1(4-6)DL



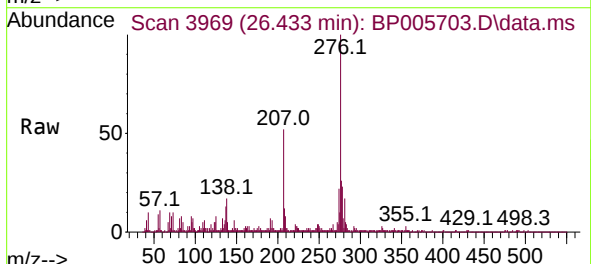
Tgt Ion:264 Resp: 1039611
Ion Ratio Lower Upper
264 100
260 24.0 20.6 30.8
265 22.1 19.0 28.6

Manual Integrations
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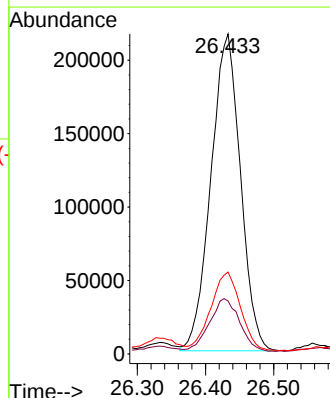
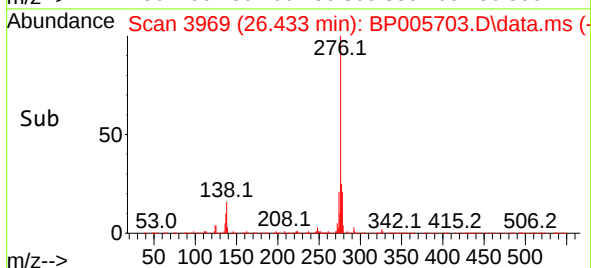
mohammad
6/4/2021 9:35:09 AM

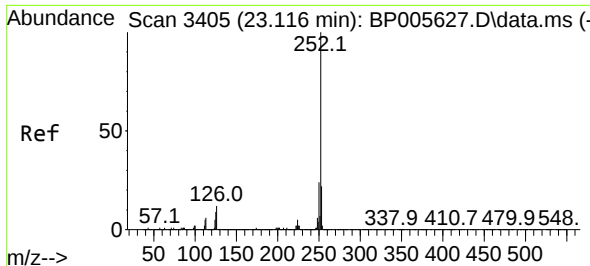


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.35 ng
RT: 26.433 min Scan# 3969
Delta R.T. -0.000 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20



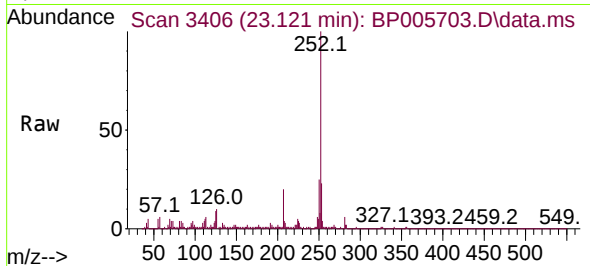
Tgt Ion:276 Resp: 650293
Ion Ratio Lower Upper
276 100
138 17.0 8.4 12.6#
277 24.7 20.6 31.0





#88
Benzo(b)fluoranthene
Concen: 17.97 ng
RT: 23.121 min Scan# 3406
Delta R.T. 0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

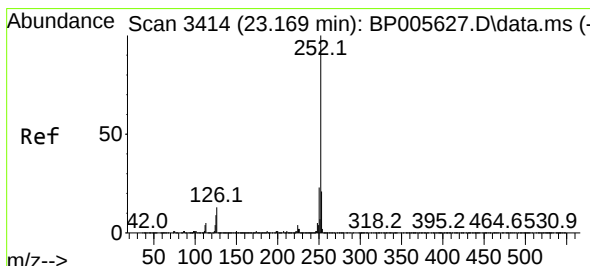
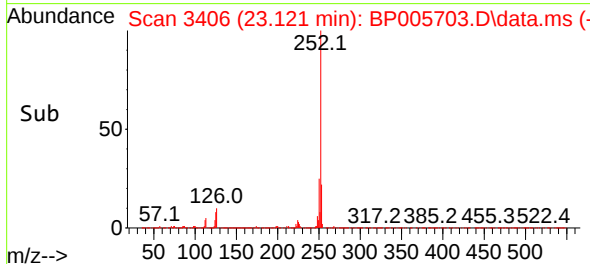
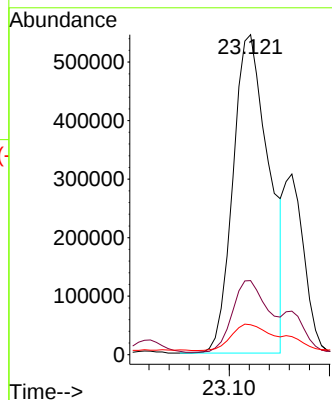
Instrument :
BNA_P
ClientSampleID :
18-B1(4-6)DL



Tgt Ion:252 Resp: 1355457
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 9.3 3.4 5.0#

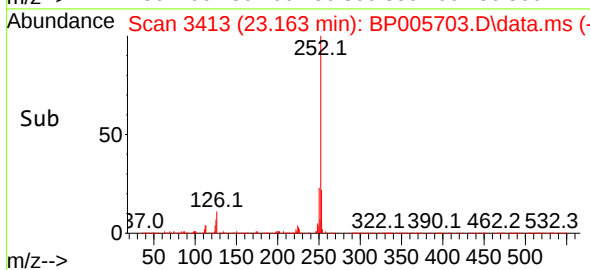
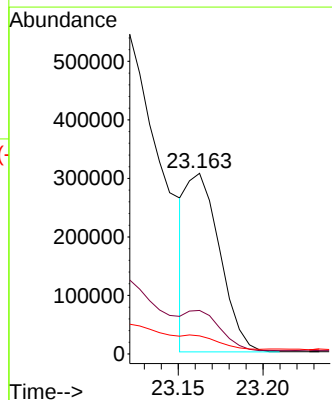
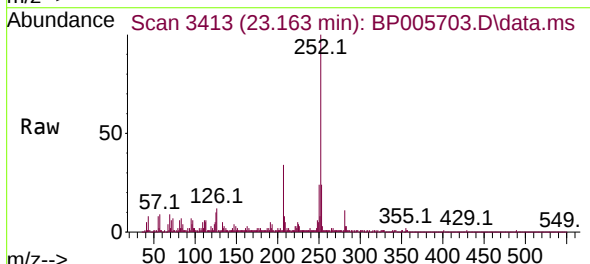
Manual Integrations
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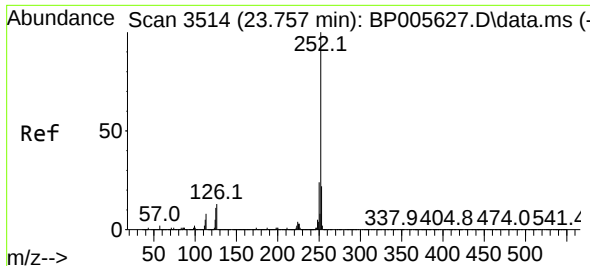
mohammad
6/4/2021 9:35:09 AM



#89
Benzo(k)fluoranthene
Concen: 5.82 ng m
RT: 23.163 min Scan# 3413
Delta R.T. -0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

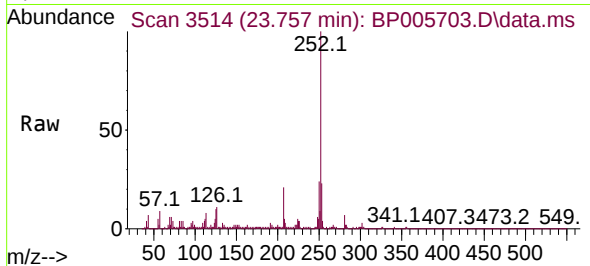
Tgt Ion:252 Resp: 415743
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 10.0 3.8 5.6#





#90
Benzo(a)pyrene
Concen: 14.62 ng
RT: 23.757 min Scan# 3514
Delta R.T. -0.000 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

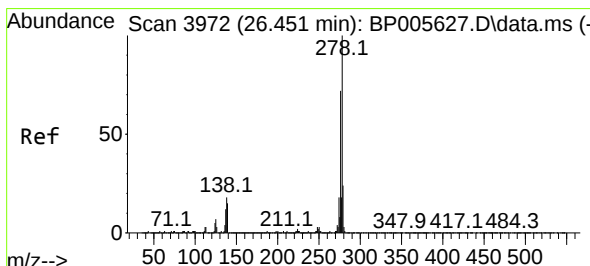
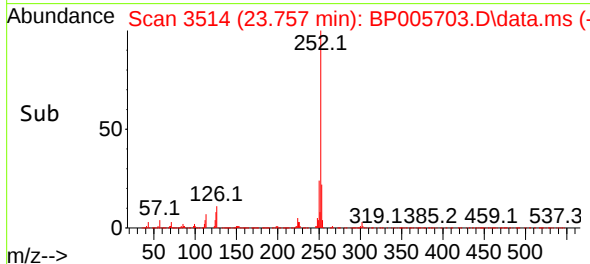
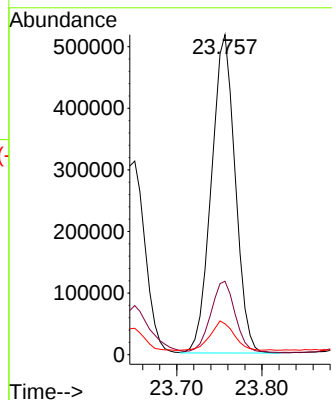
Instrument :
BNA_P
ClientSampleID :
18-B1(4-6)DL



Tgt Ion:252 Resp: 1003259
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 9.7 3.8 5.6#

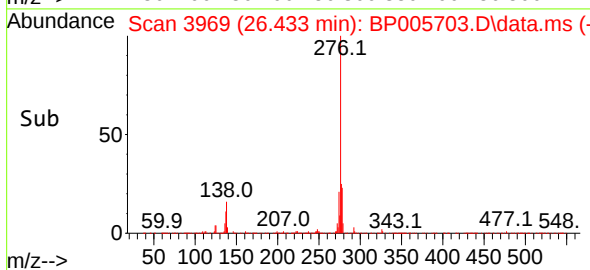
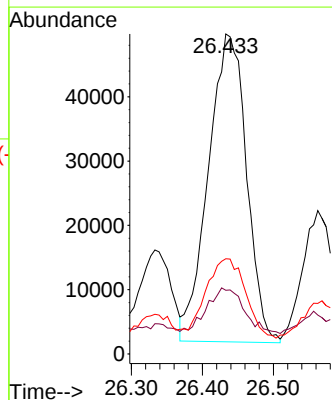
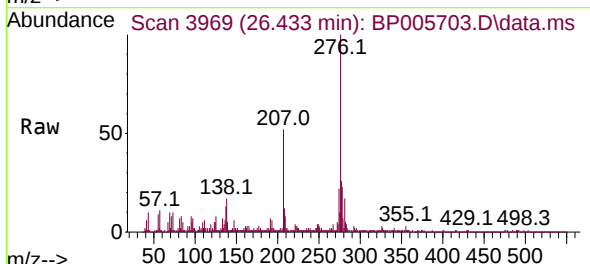
Manual Integrations
APPROVED

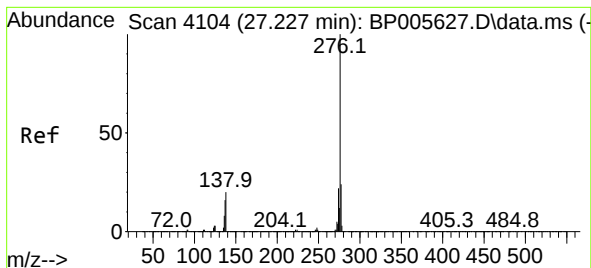
mohammad
6/4/2021 9:35:09 AM



#91
Dibenzo(a,h)anthracene
Concen: 2.33 ng
RT: 26.433 min Scan# 3969
Delta R.T. -0.018 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

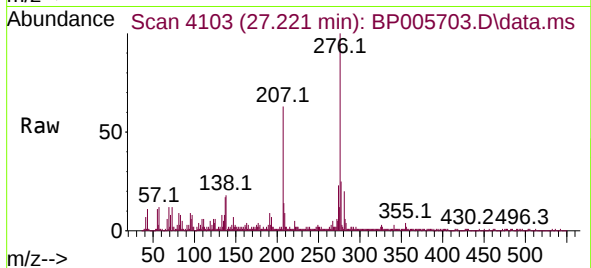
Tgt Ion:278 Resp: 178607
Ion Ratio Lower Upper
278 100
139 19.9 5.0 7.6#
279 29.7 18.6 28.0#





#92
Benzo(g,h,i)perylene
Concen: 8.33 ng
RT: 27.221 min Scan# 4103
Delta R.T. -0.006 min
Lab File: BP005703.D
Acq: 04 Jun 2021 00:20

Instrument :
BNA_P
ClientSampleId :
18-B1(4-6)DL



Tgt Ion: 276 Resp: 616667
Ion Ratio Lower Upper
276 100
277 24.5 19.8 29.8
138 17.6 7.7 11.5#

Manual Integrations
APPROVED

mohammad
6/4/2021 9:35:09 AM

