

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
 Data File : BP005676.D
 Acq On : 02 Jun 2021 21:12
 Operator : CG/JU
 Sample : M2573-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-060121

Manual Integrations
 APPROVED

mohammad
 6/3/2021 11:08:32 AM

Quant Time: Jun 03 02:43:57 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	7.993	152	347006	20.00	ng	0.00
21) Naphthalene-d8	10.799	136	1282218	20.00	ng	# 0.00
39) Acenaphthene-d10	14.616	164	735473	20.00	ng	0.00
64) Phenanthrene-d10	17.357	188	1354039	20.00	ng	# 0.00
76) Chrysene-d12	21.427	240	1297445	20.00	ng	# 0.00
86) Perylene-d12	23.880	264	1571122	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.552	112	434480	19.47	ng	0.00
7) Phenol-d6	7.152	99	519200	17.06	ng	0.00
23) Nitrobenzene-d5	9.152	82	315714	13.69	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	234183	24.83	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	777661	13.99	ng	0.00
79) Terphenyl-d14	19.898	244	900534	13.02	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.852	128	573271	7.51	ng	97
37) 2-Methylnaphthalene	12.451	142	269431	4.98	ng	# 85
38) 1-Methylnaphthalene	12.669	142	245913	4.79	ng	# 94
49) Acenaphthylene	14.340	152	512152	6.77	ng	99
52) Acenaphthene	14.675	154	334884	6.81	ng	94
55) Dibenzofuran	15.010	168	592406	7.86	ng	96
58) Fluorene	15.657	166	882503	14.64	ng	97
71) Phenanthrene	17.404	178	5354011	63.47	ng	99
72) Anthracene	17.492	178	1602220	19.24	ng	99
73) Carbazole	17.757	167	428416	5.23	ng	99
75) Fluoranthene	19.363	202	5851742	57.79	ng	96
78) Pyrene	19.710	202	4829438	52.75	ng	98
81) Benzo(a)anthracene	21.410	228	2488602	26.14	ng	96
83) Chrysene	21.463	228	2174538	23.58	ng	96
87) Indeno(1,2,3-cd)pyrene	26.451	276	1407862	10.53	ng	# 95
88) Benzo(b)fluoranthene	23.133	252	2840288	24.92	ng	# 96
89) Benzo(k)fluoranthene	23.174	252	923021m	8.54	ng	
90) Benzo(a)pyrene	23.769	252	2148860	20.72	ng	# 94
91) Dibenzo(a,h)anthracene	26.457	278	393426	3.39	ng	# 81
92) Benzo(g,h,i)perylene	27.251	276	1291638	11.54	ng	# 94

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

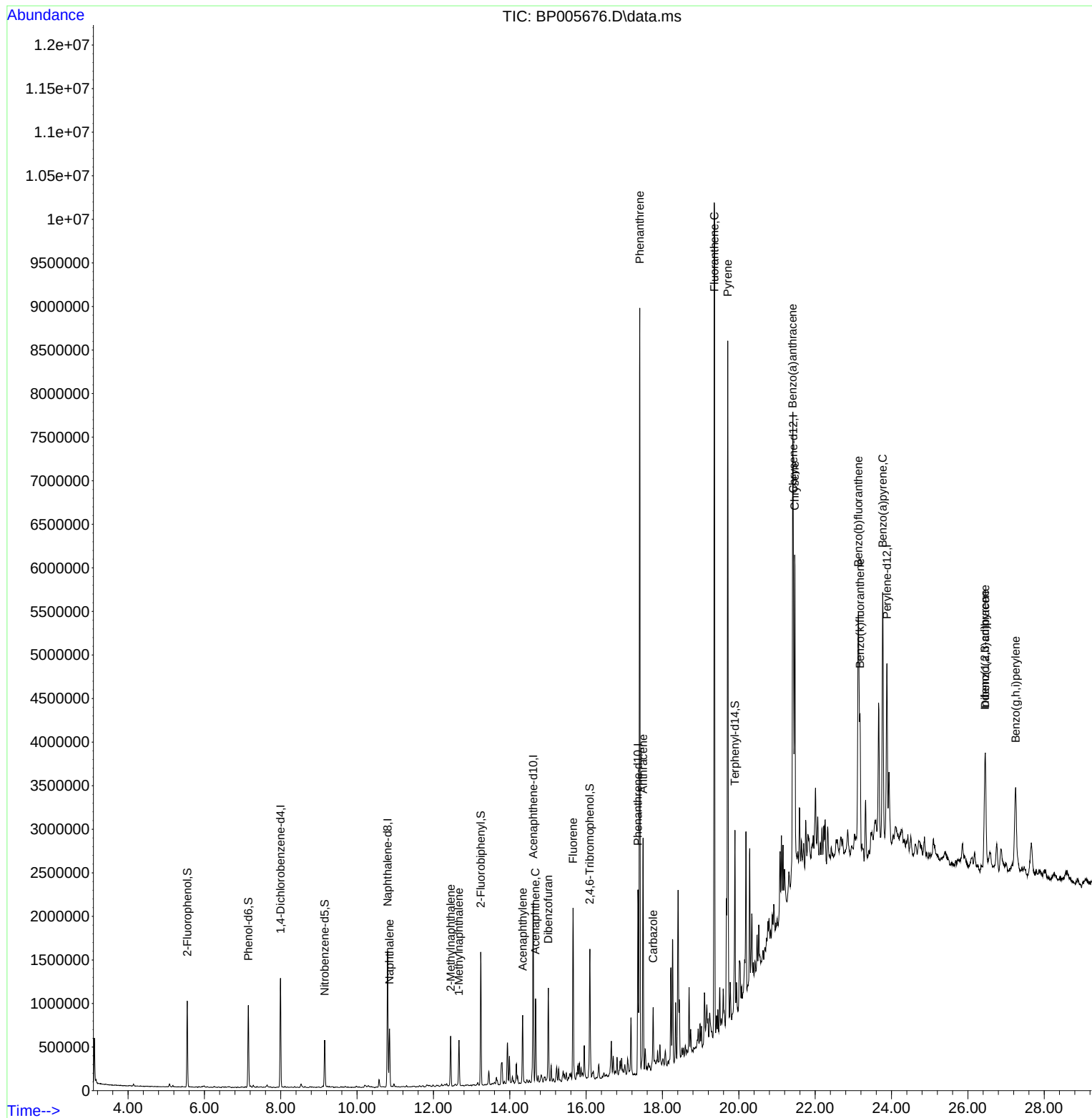
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005676.D
Acq On : 02 Jun 2021 21:12
Operator : CG/JU
Sample : M2573-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

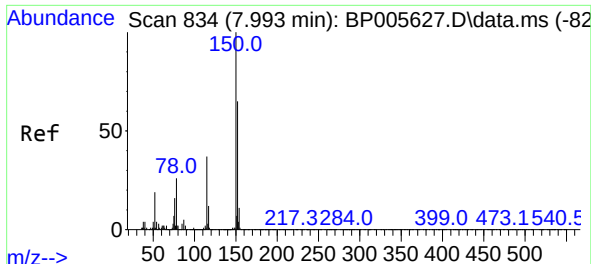
Instrument :
BNA_P
ClientSampleId :
OR-02-060121

Manual Integrations
APPROVED

mohammad
6/3/2021 11:08:32 AM

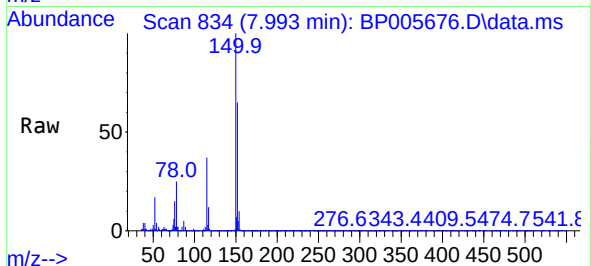
Quant Time: Jun 03 02:43:57 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 27 16:11:11 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.993 min Scan# 834
Delta R.T. -0.000 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

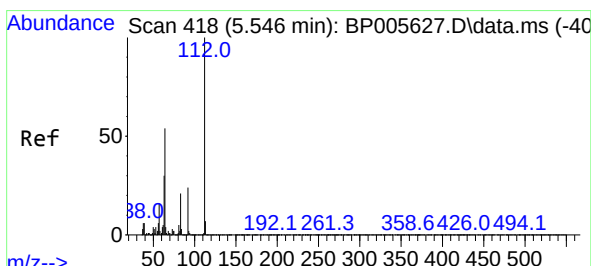
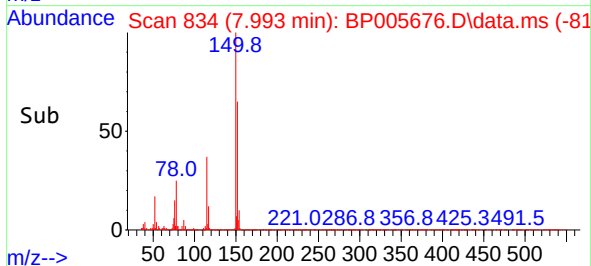
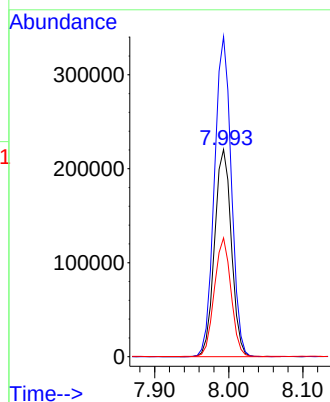
Instrument :
BNA_P
ClientSampleId :
OR-02-060121



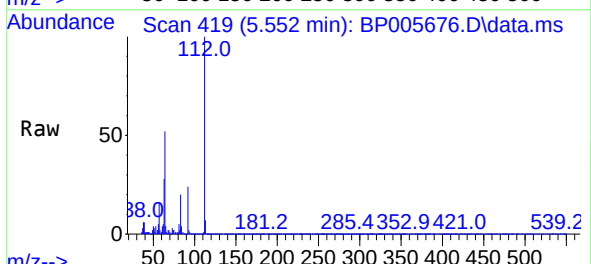
Tgt Ion:152 Resp: 347006
Ion Ratio Lower Upper
152 100
150 154.5 119.8 179.8
115 57.3 49.0 73.4

Manual Integrations
APPROVED

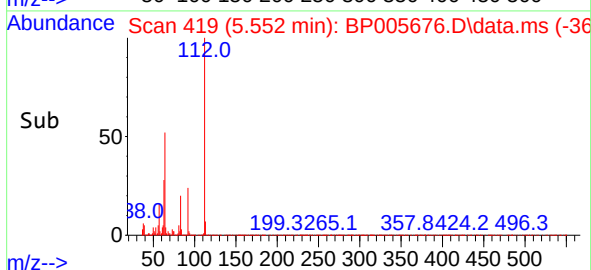
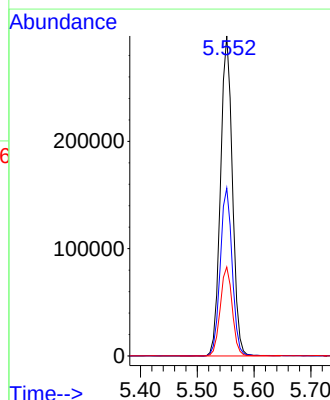
mohammad
6/3/2021 11:08:32 AM

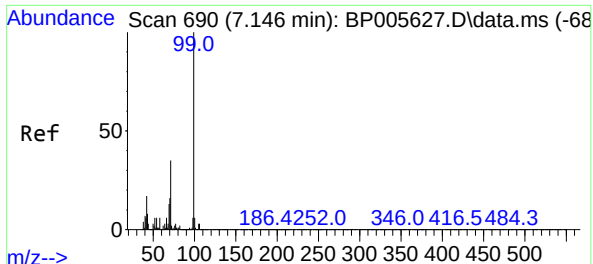


#5
2-Fluorophenol
Concen: 19.47 ng
RT: 5.552 min Scan# 419
Delta R.T. 0.006 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12



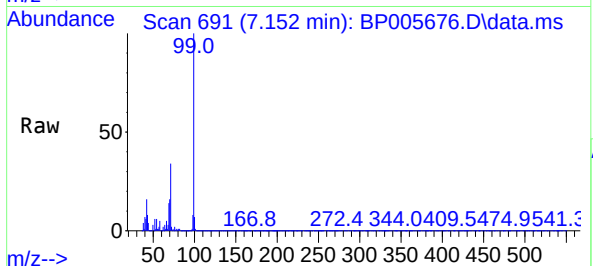
Tgt Ion:112 Resp: 434480
Ion Ratio Lower Upper
112 100
64 52.4 33.6 50.4#
63 27.8 18.6 27.8





#7
Phenol-d6
Concen: 17.06 ng
RT: 7.152 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

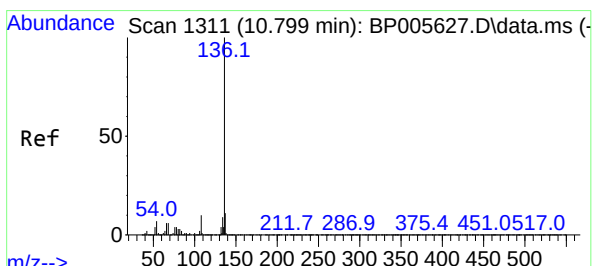
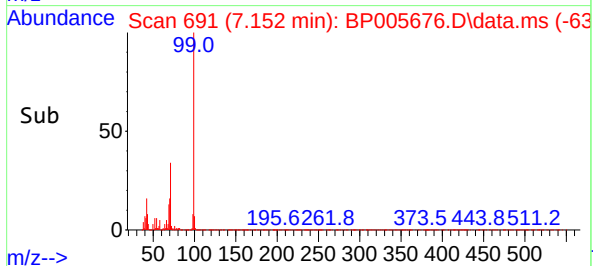
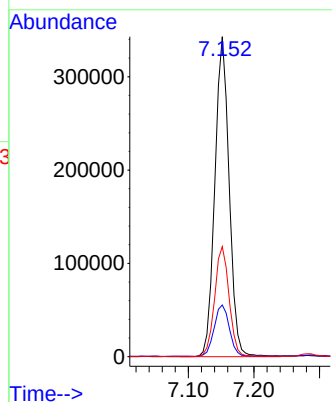
Instrument :
BNA_P
ClientSampleId :
OR-02-060121



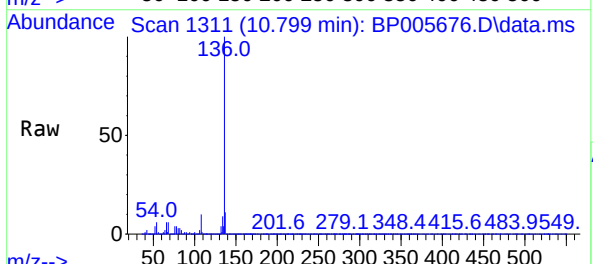
Tgt Ion: 99 Resp: 519200
Ion Ratio Lower Upper
99 100
42 16.1 12.9 19.3
71 34.4 26.7 40.1

Manual Integrations
APPROVED

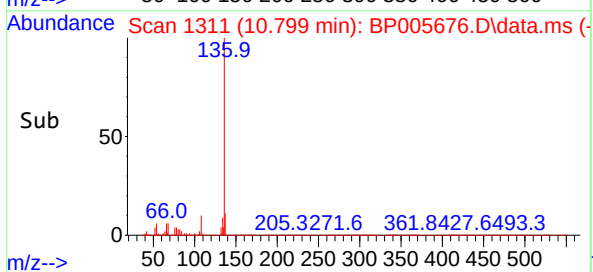
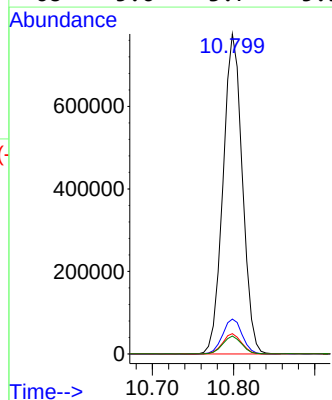
mohammad
6/3/2021 11:08:32 AM

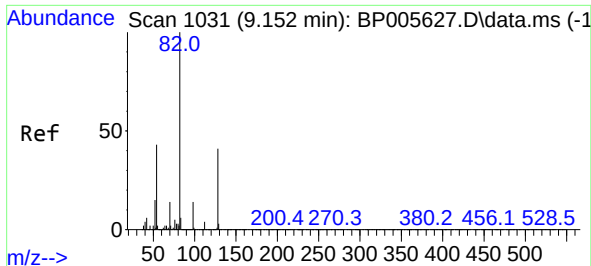


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.799 min Scan# 1311
Delta R.T. -0.000 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12



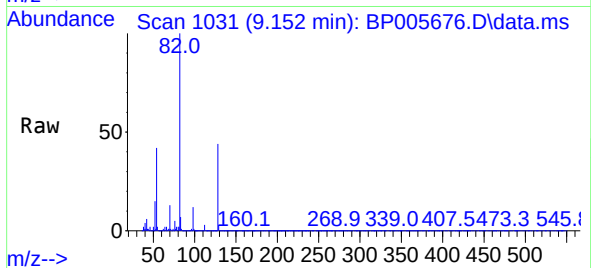
Tgt Ion: 136 Resp: 1282218
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.3 5.0 7.4
68 5.6 3.7 5.5#





#23
Nitrobenzene-d5
Concen: 13.69 ng
RT: 9.152 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

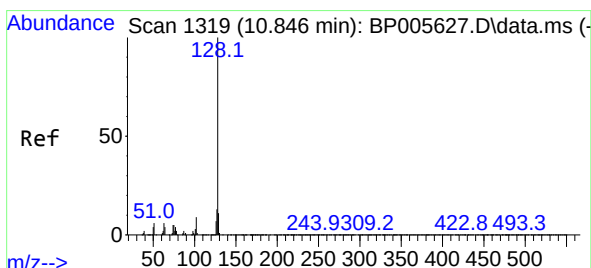
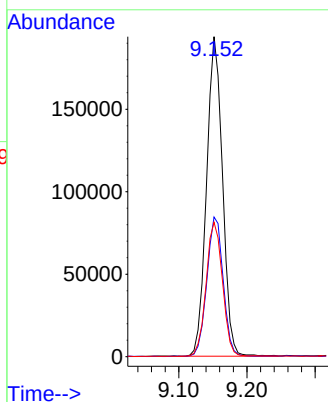
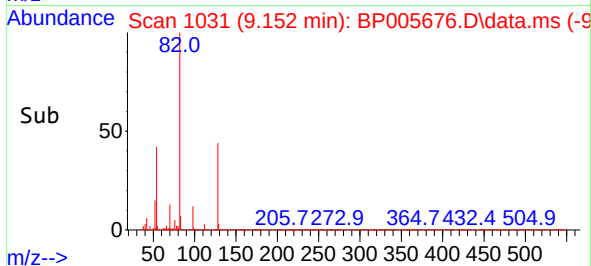
Instrument :
BNA_P
ClientSampleId :
OR-02-060121



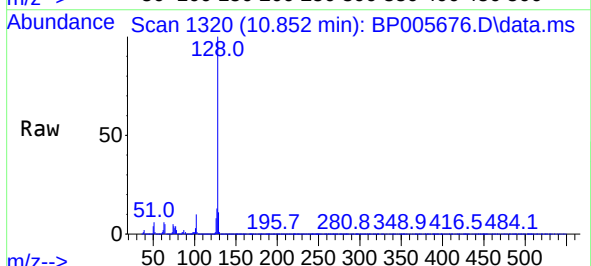
Tgt Ion: 82 Resp: 315714
Ion Ratio Lower Upper
82 100
128 43.7 30.5 45.7
54 42.0 33.9 50.9

Manual Integrations
APPROVED

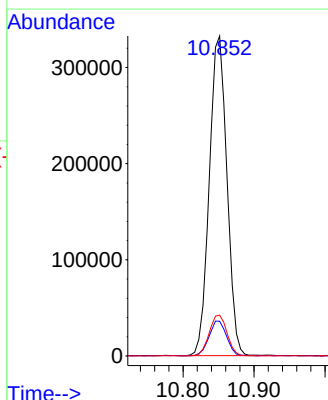
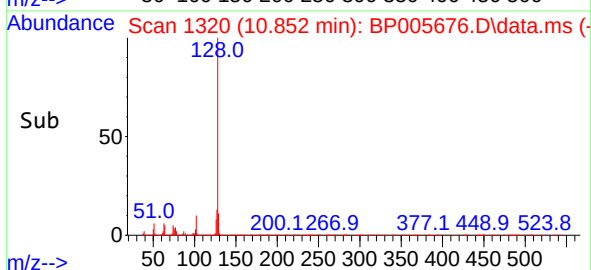
mohammad
6/3/2021 11:08:32 AM

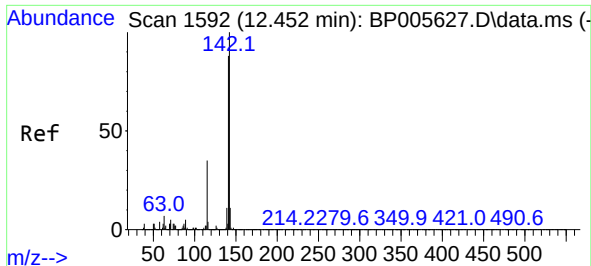


#31
Naphthalene
Concen: 7.51 ng
RT: 10.852 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12



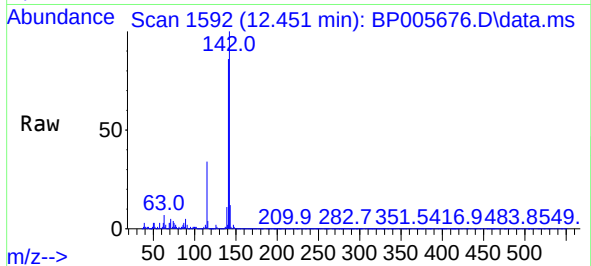
Tgt Ion: 128 Resp: 573271
Ion Ratio Lower Upper
128 100
129 10.9 8.0 12.0
127 12.8 11.1 16.7





#37
2-Methylnaphthalene
Concen: 4.98 ng
RT: 12.451 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

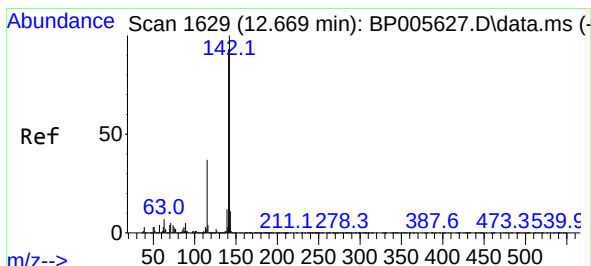
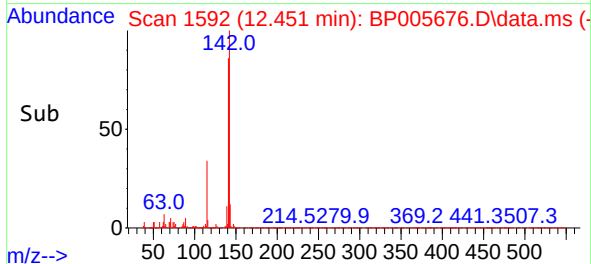
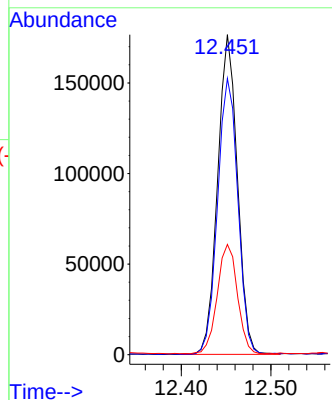
Instrument :
BNA_P
ClientSampleId :
OR-02-060121



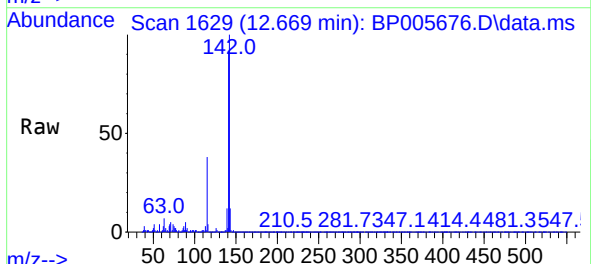
Tgt Ion:142 Resp: 269431
Ion Ratio Lower Upper
142 100
141 86.3 74.7 112.1
115 34.4 43.8 65.8#

Manual Integrations
APPROVED

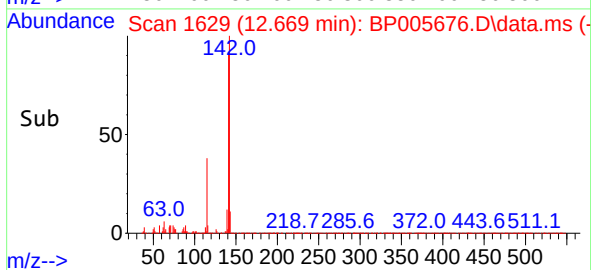
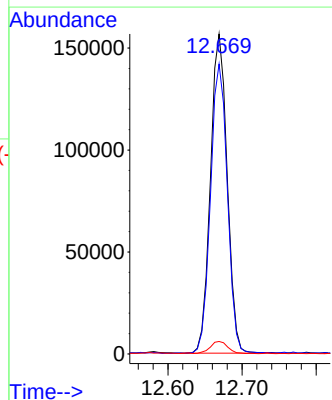
mohammad
6/3/2021 11:08:32 AM

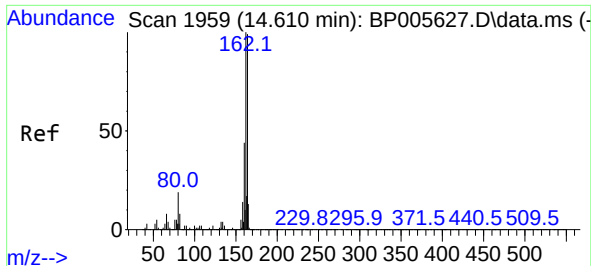


#38
1-Methylnaphthalene
Concen: 4.79 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.000 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12



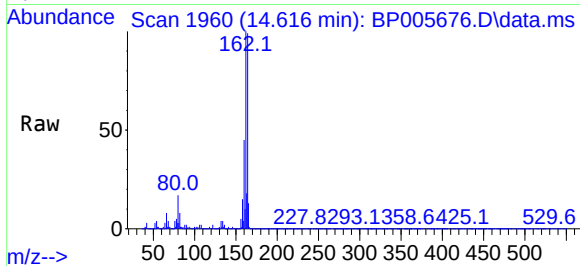
Tgt Ion:142 Resp: 245913
Ion Ratio Lower Upper
142 100
141 90.6 77.0 115.6
116 3.9 5.0 7.6#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.616 min Scan# 1960
Delta R.T. 0.006 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

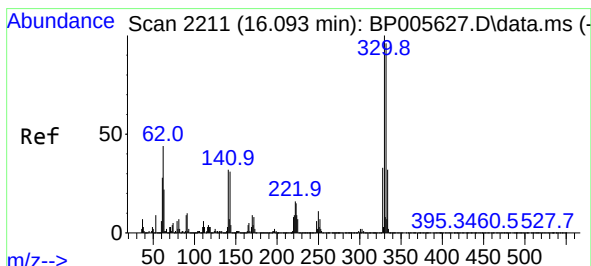
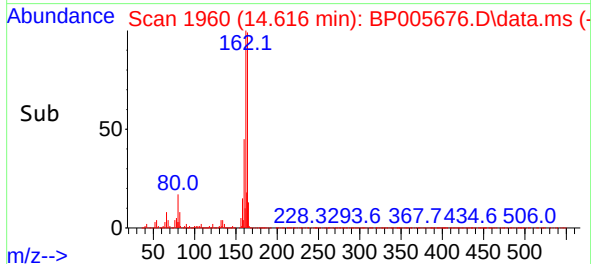
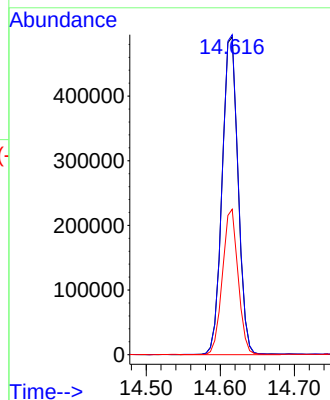
Instrument :
BNA_P
ClientSampleId :
OR-02-060121



Tgt Ion:164 Resp: 735473
Ion Ratio Lower Upper
164 100
162 100.7 73.5 110.3
160 45.7 40.6 61.0

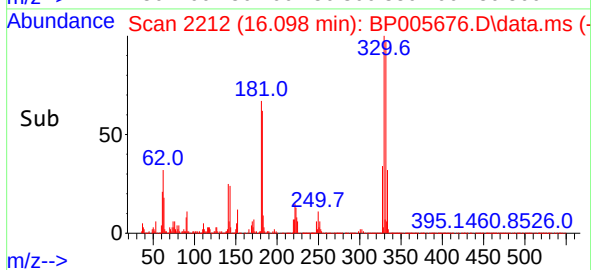
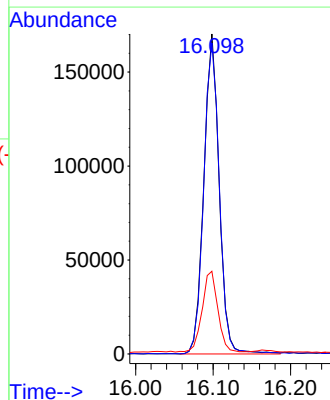
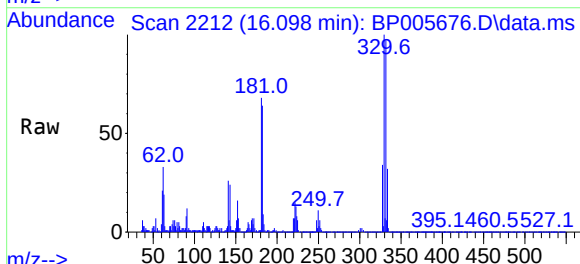
Manual Integrations
APPROVED

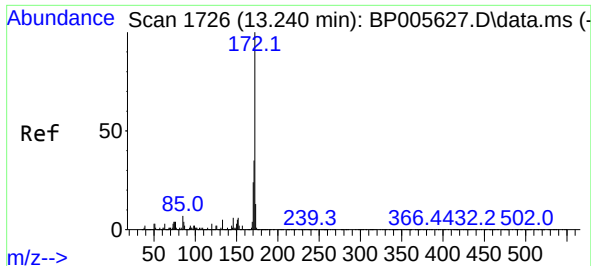
mohammad
6/3/2021 11:08:32 AM



#42
2,4,6-Tribromophenol
Concen: 24.83 ng
RT: 16.098 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

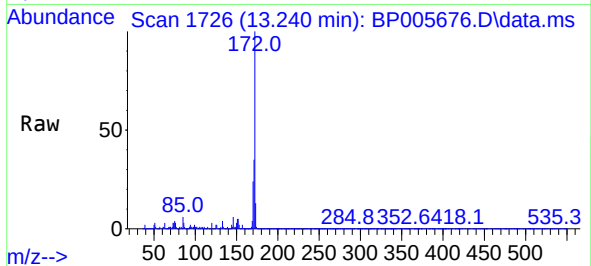
Tgt Ion:330 Resp: 234183
Ion Ratio Lower Upper
330 100
332 99.3 76.3 114.5
141 25.8 22.8 34.2





#45
2-Fluorobiphenyl
Concen: 13.99 ng
RT: 13.240 min Scan# 1726
Delta R.T. -0.000 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

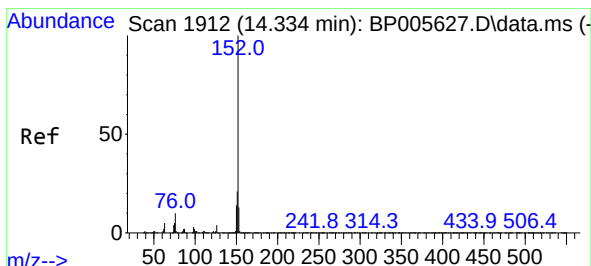
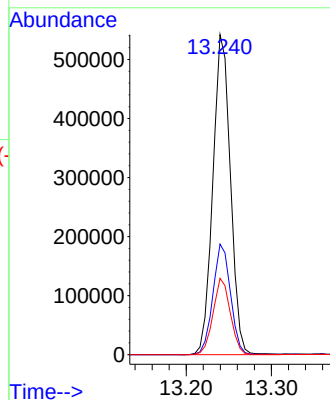
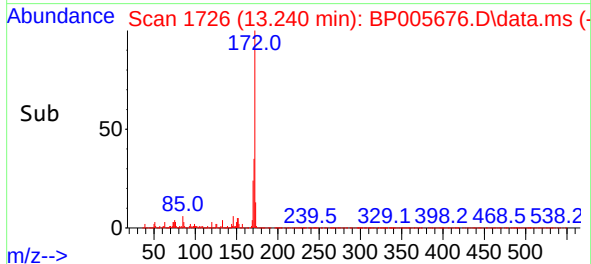
Instrument :
BNA_P
ClientSampleId :
OR-02-060121



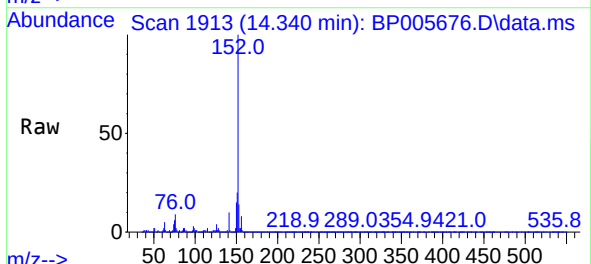
Tgt Ion:172 Resp: 777661
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 23.8 19.6 29.4

Manual Integrations
APPROVED

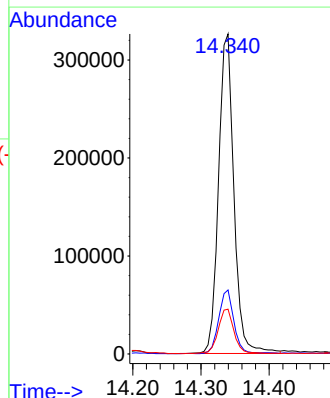
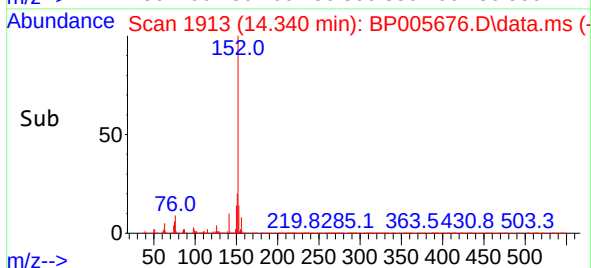
mohammad
6/3/2021 11:08:32 AM

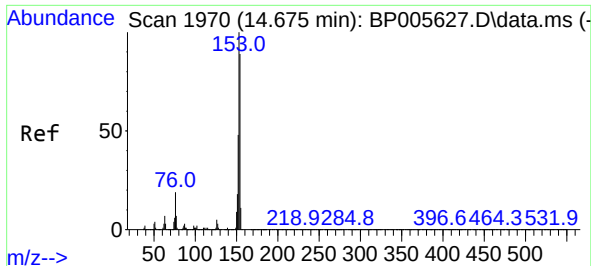


#49
Acenaphthylene
Concen: 6.77 ng
RT: 14.340 min Scan# 1913
Delta R.T. 0.006 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12



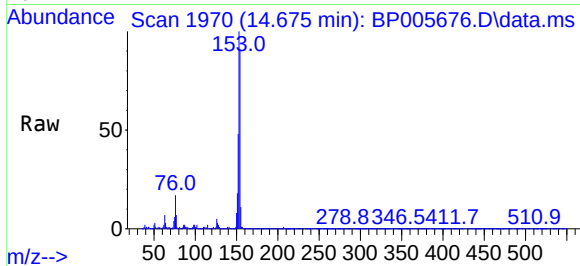
Tgt Ion:152 Resp: 512152
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.6
153 14.0 10.5 15.7





#52
Acenaphthene
Concen: 6.81 ng
RT: 14.675 min Scan# 1970
Delta R.T. -0.000 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

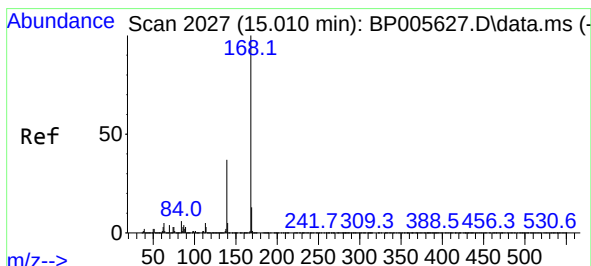
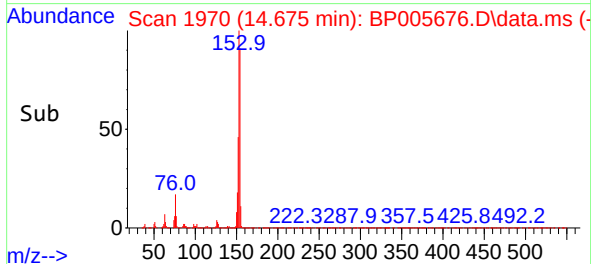
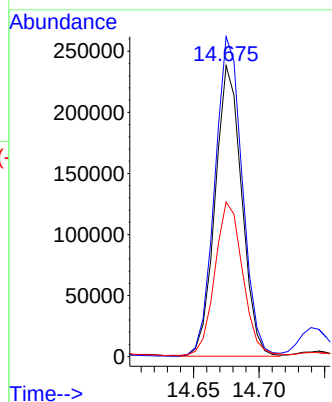
Instrument :
BNA_P
ClientSampleId :
OR-02-060121



Tgt Ion:154 Resp: 334884
Ion Ratio Lower Upper
154 100
153 110.0 90.9 136.3
152 53.2 48.5 72.7

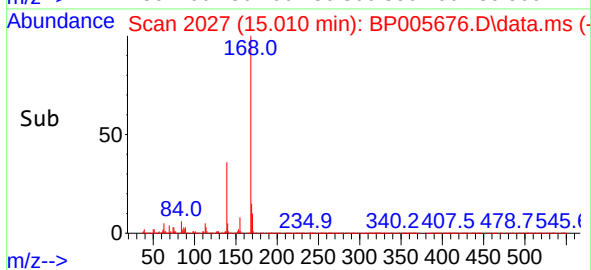
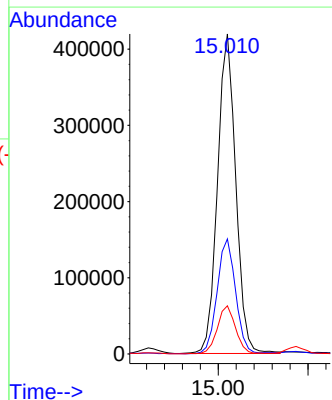
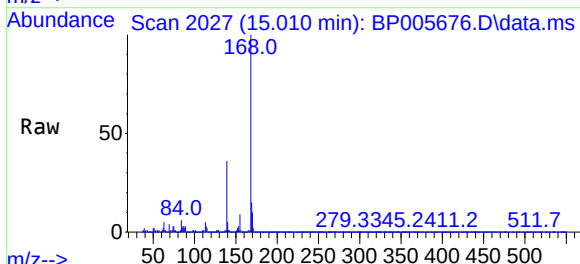
Manual Integrations
APPROVED

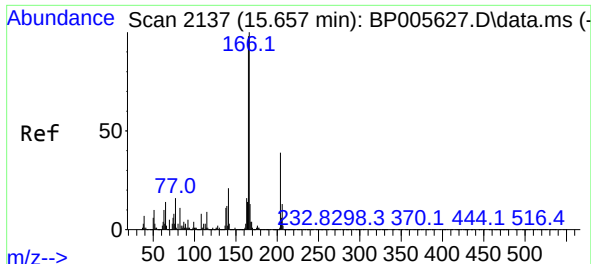
mohammad
6/3/2021 11:08:32 AM



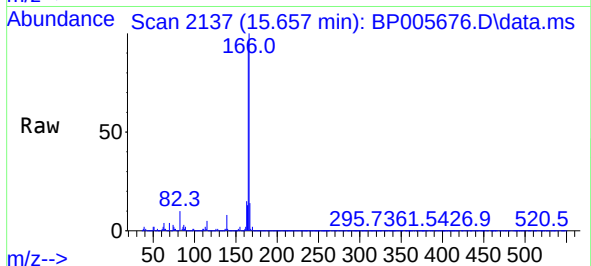
#55
Dibenzofuran
Concen: 7.86 ng
RT: 15.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

Tgt Ion:168 Resp: 592406
Ion Ratio Lower Upper
168 100
139 35.9 31.4 47.0
169 15.0 11.4 17.0

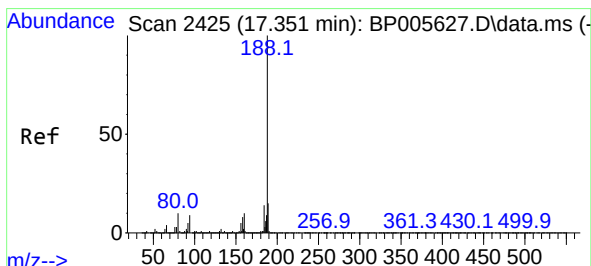
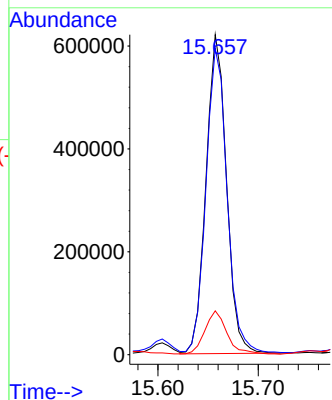
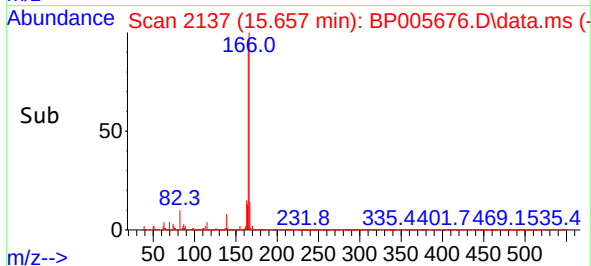




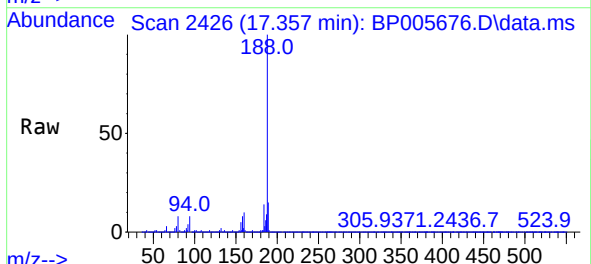
#58
Fluorene
Concen: 14.64 ng
RT: 15.657 min Scan# 2137
Delta R.T. -0.000 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12



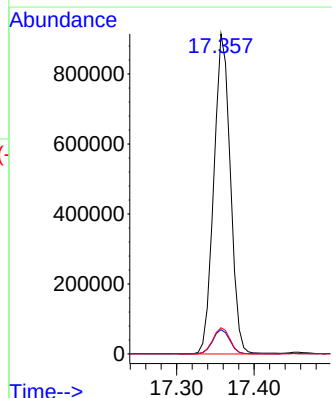
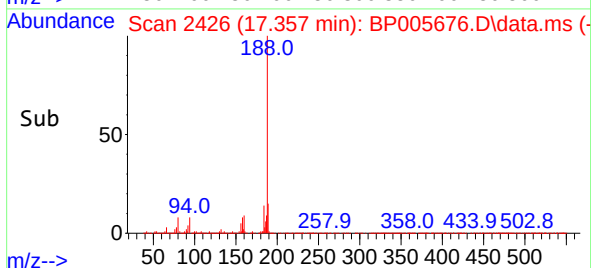
Tgt Ion:166 Resp: 882503
Ion Ratio Lower Upper
166 100
165 95.6 78.8 118.2
167 13.7 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.357 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12



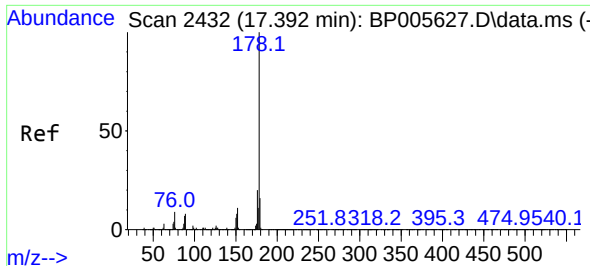
Tgt Ion:188 Resp: 1354039
Ion Ratio Lower Upper
188 100
94 7.6 5.0 7.6#
80 8.2 5.9 8.9



Instrument :
BNA_P
ClientSampleId :
OR-02-060121

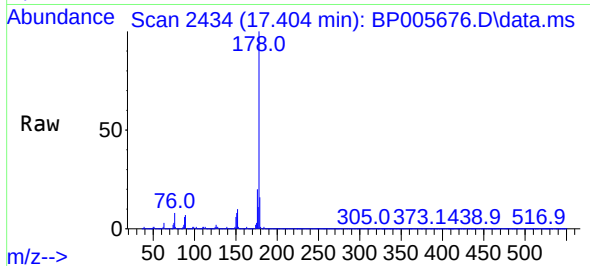
Manual Integrations
APPROVED

mohammad
6/3/2021 11:08:32 AM



#71
Phenanthrene
Concen: 63.47 ng
RT: 17.404 min Scan# 2434
Delta R.T. 0.012 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

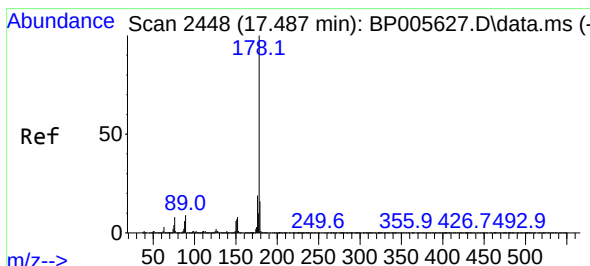
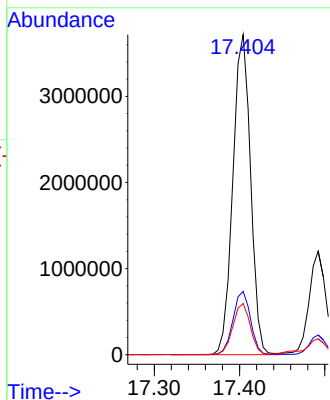
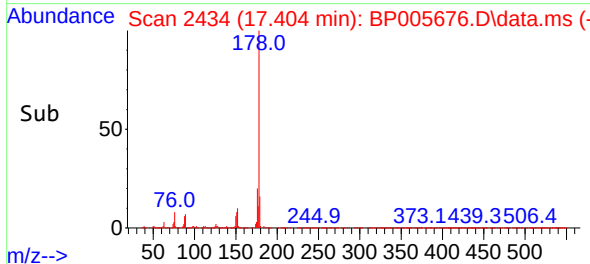
Instrument :
BNA_P
ClientSampleId :
OR-02-060121



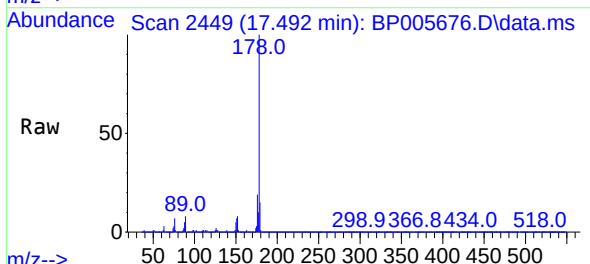
Tgt Ion:178 Resp: 5354011
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 16.0 12.3 18.5

Manual Integrations
APPROVED

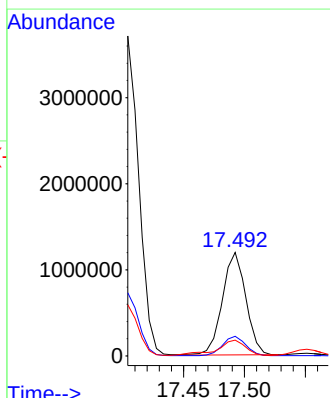
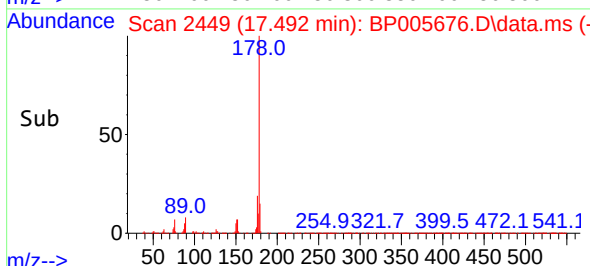
mohammad
6/3/2021 11:08:32 AM

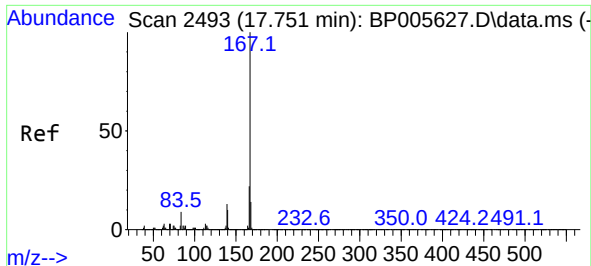


#72
Anthracene
Concen: 19.24 ng
RT: 17.492 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12



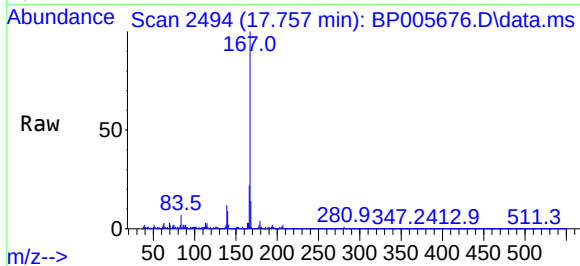
Tgt Ion:178 Resp: 1602220
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.3 12.6 19.0





#73
 Carbazole
 Concen: 5.23 ng
 RT: 17.757 min Scan# 2494
 Delta R.T. 0.006 min
 Lab File: BP005676.D
 Acq: 02 Jun 2021 21:12

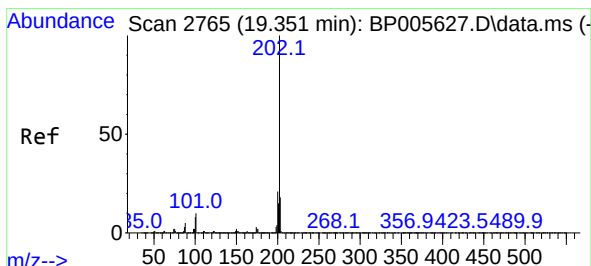
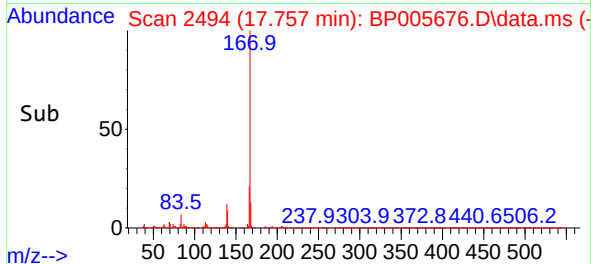
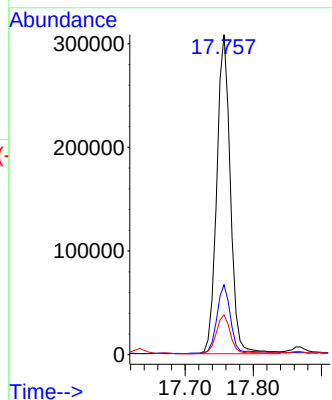
Instrument :
 BNA_P
 ClientSampleId :
 OR-02-060121



Tgt Ion:167 Resp: 428416
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.0
 139 12.4 10.4 15.6

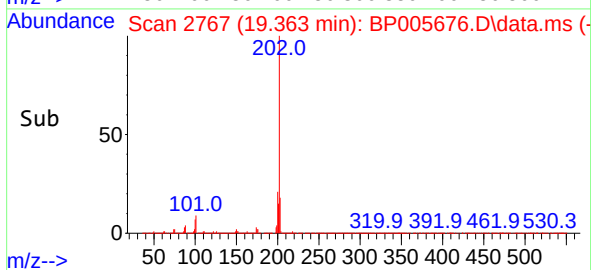
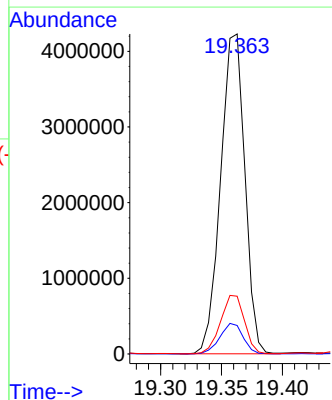
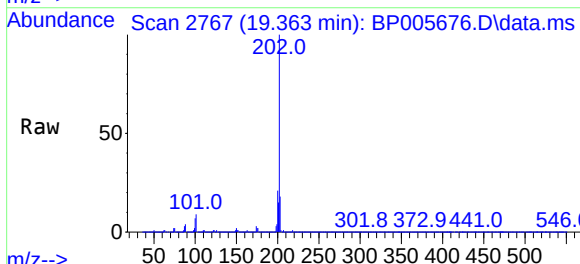
Manual Integrations
 APPROVED

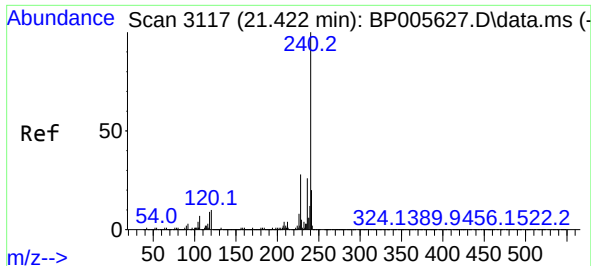
mohammad
 6/3/2021 11:08:32 AM



#75
 Fluoranthene
 Concen: 57.79 ng
 RT: 19.363 min Scan# 2767
 Delta R.T. 0.012 min
 Lab File: BP005676.D
 Acq: 02 Jun 2021 21:12

Tgt Ion:202 Resp: 5851742
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 26.1
 203 18.1 0.0 37.2





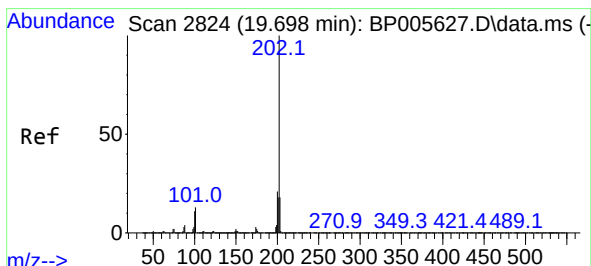
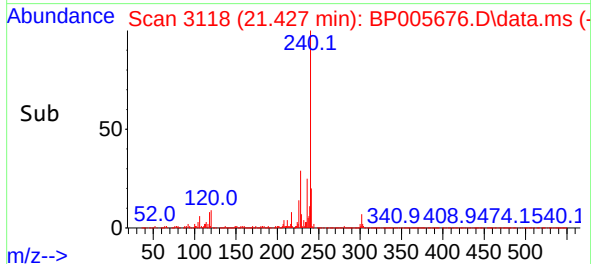
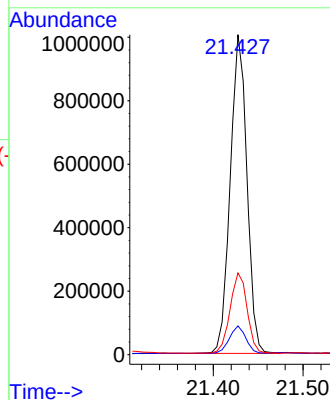
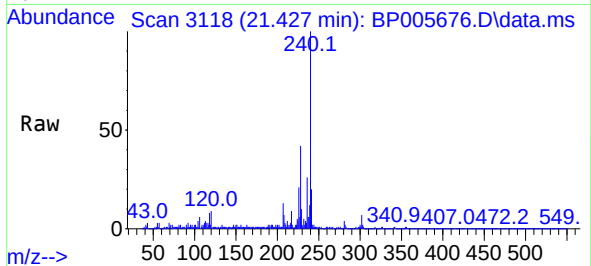
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.005 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

Tgt Ion:240 Resp: 1297445
Ion Ratio Lower Upper
240 100
120 9.0 4.2 6.2#
236 25.6 20.2 30.2

Instrument :
BNA_P
ClientSampleId :
OR-02-060121

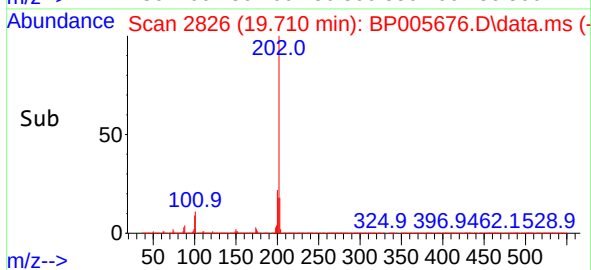
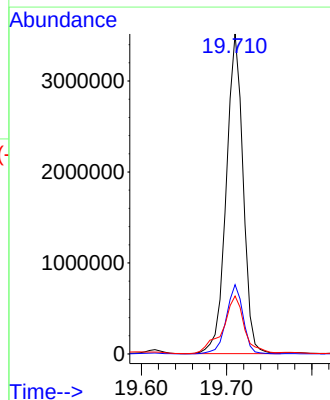
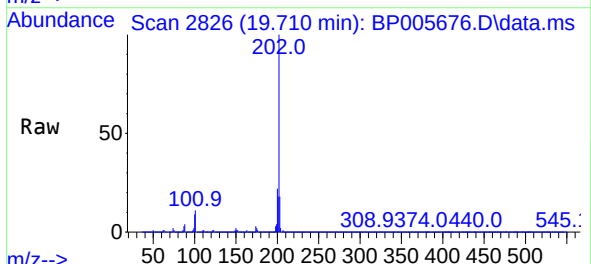
Manual Integrations
APPROVED

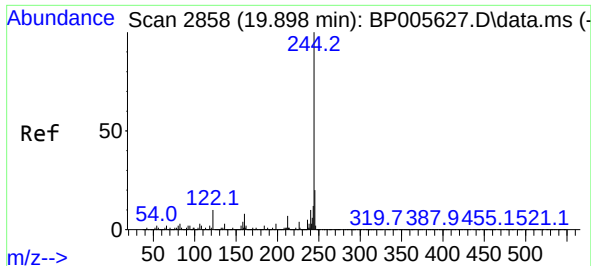
mohammad
6/3/2021 11:08:32 AM



#78
Pyrene
Concen: 52.75 ng
RT: 19.710 min Scan# 2826
Delta R.T. 0.012 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

Tgt Ion:202 Resp: 4829438
Ion Ratio Lower Upper
202 100
200 21.6 16.9 25.3
203 18.1 13.8 20.6





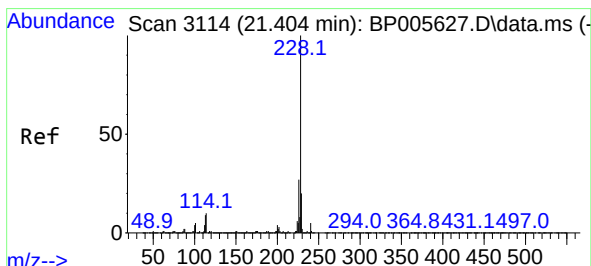
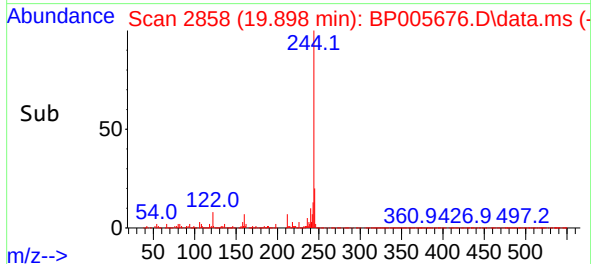
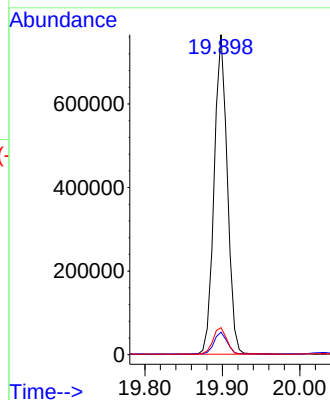
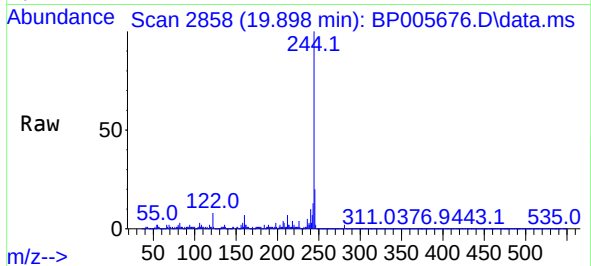
#79
Terphenyl-d14
Concen: 13.02 ng
RT: 19.898 min Scan# 2858
Delta R.T. -0.000 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

Tgt Ion:	244	Resp:	900534
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.6
122	9.9	5.2	7.8#

Instrument :
BNA_P
ClientSampleId :
OR-02-060121

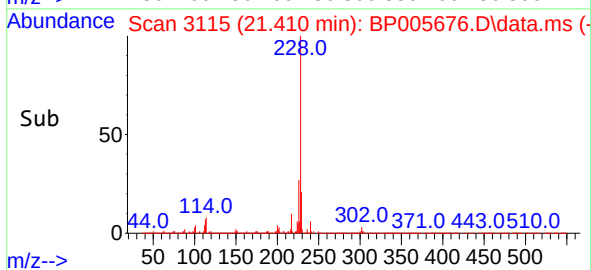
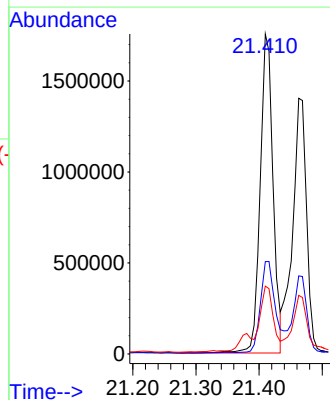
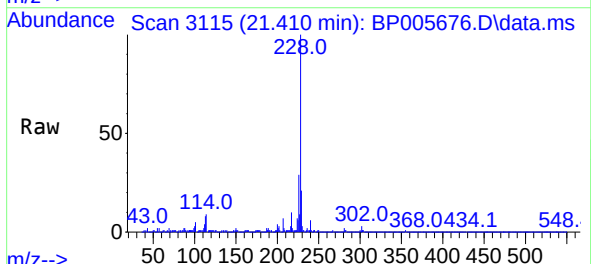
Manual Integrations
APPROVED

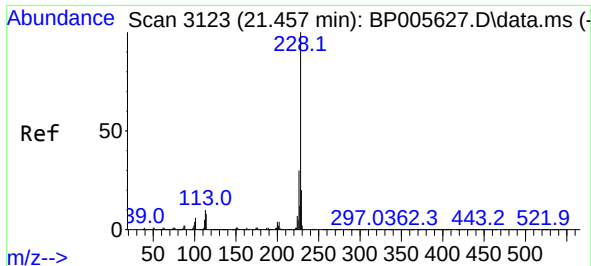
mohammad
6/3/2021 11:08:32 AM



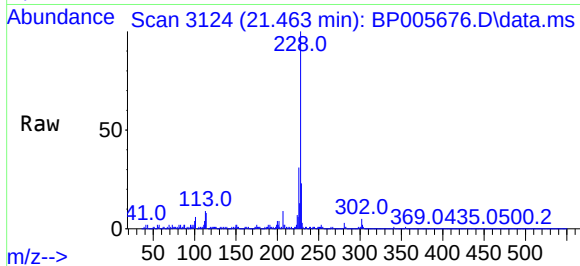
#81
Benzo(a)anthracene
Concen: 26.14 ng
RT: 21.410 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

Tgt Ion:	228	Resp:	2488602
Ion Ratio	Lower	Upper	
228	100		
226	28.9	21.2	31.8
229	21.2	15.6	23.4



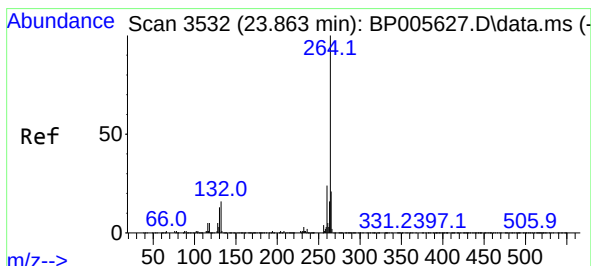
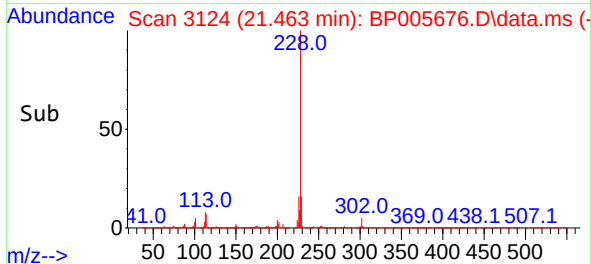
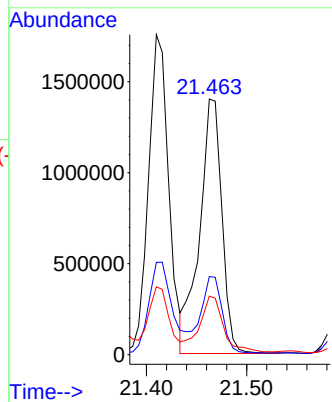


#83
Chrysene
Concen: 23.58 ng
RT: 21.463 min Scan# 3124
Delta R.T. 0.006 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

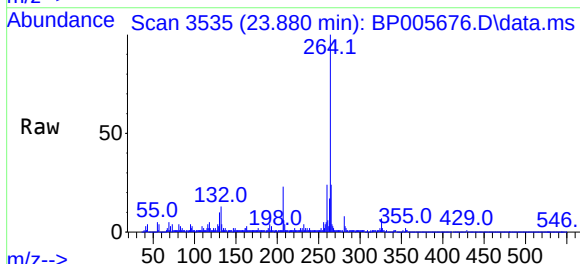


Tgt Ion: 228 Resp: 2174538

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.8	37.2
229	22.9	15.4	23.0

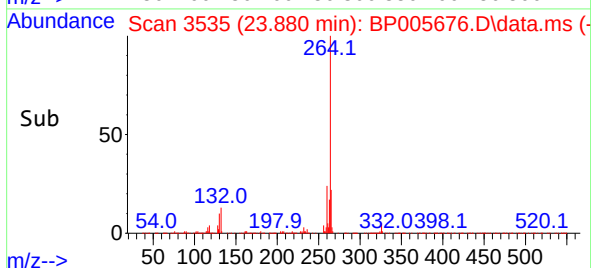
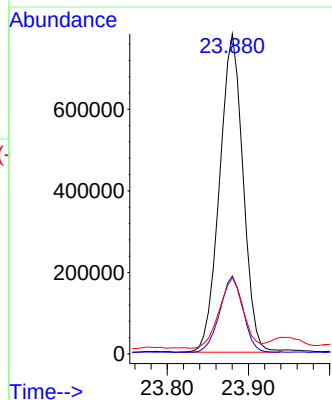


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.880 min Scan# 3535
Delta R.T. 0.018 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12



Tgt Ion: 264 Resp: 1571122

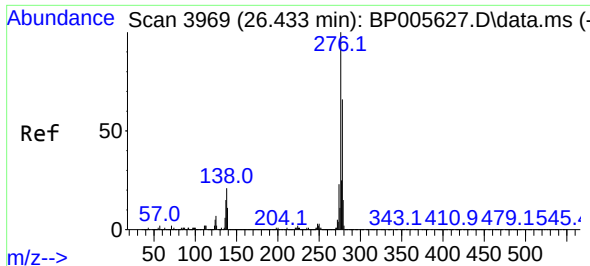
Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.6	30.8
265	23.9	19.0	28.6



Instrument :
BNA_P
ClientSampleId :
OR-02-060121

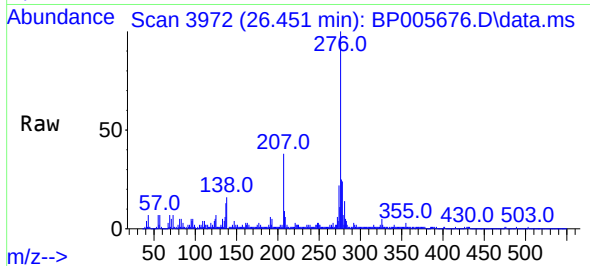
Manual Integrations
APPROVED

mohammad
6/3/2021 11:08:32 AM



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.53 ng
RT: 26.451 min Scan# 3972
Delta R.T. 0.018 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

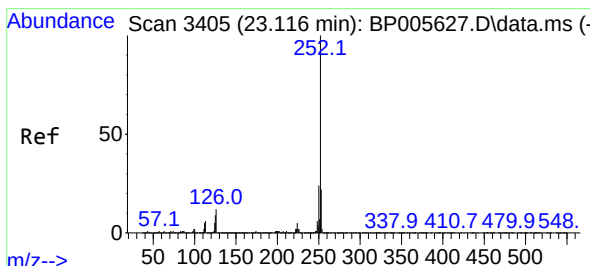
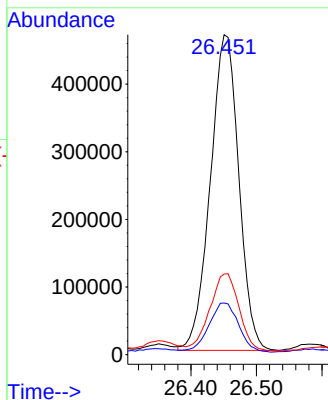
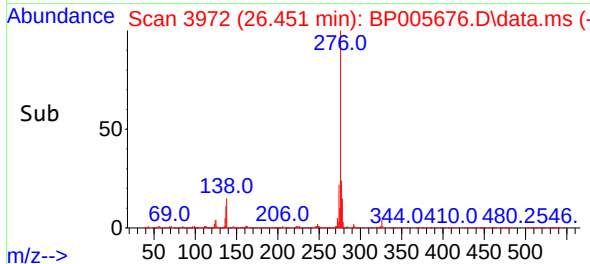
Instrument :
BNA_P
ClientSampleId :
OR-02-060121



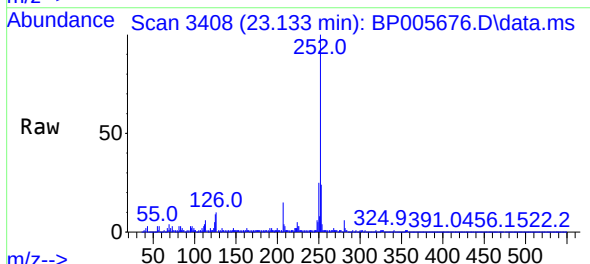
Tgt Ion:276 Resp: 1407862
Ion Ratio Lower Upper
276 100
138 16.2 8.4 12.6#
277 25.1 20.6 31.0

Manual Integrations
APPROVED

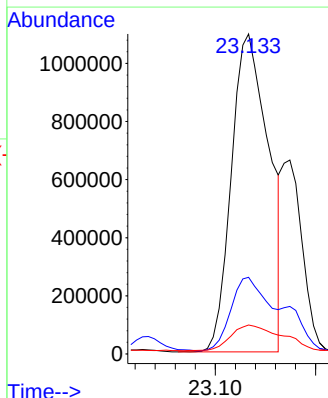
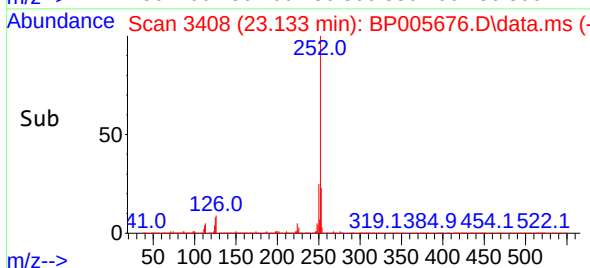
mohammad
6/3/2021 11:08:32 AM

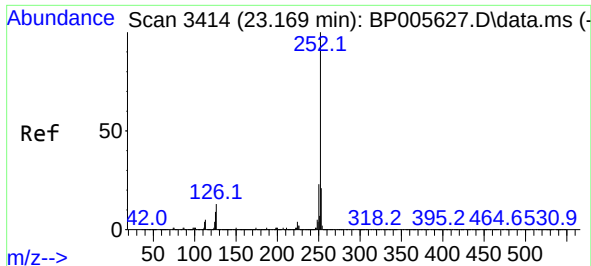


#88
Benzo(b)fluoranthene
Concen: 24.92 ng
RT: 23.133 min Scan# 3408
Delta R.T. 0.018 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12



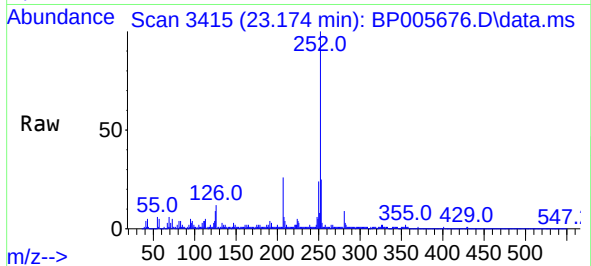
Tgt Ion:252 Resp: 2840288
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.2
125 9.0 3.4 5.0#





#89
Benzo(k)fluoranthene
Concen: 8.54 ng m
RT: 23.174 min Scan# 3415
Delta R.T. 0.006 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

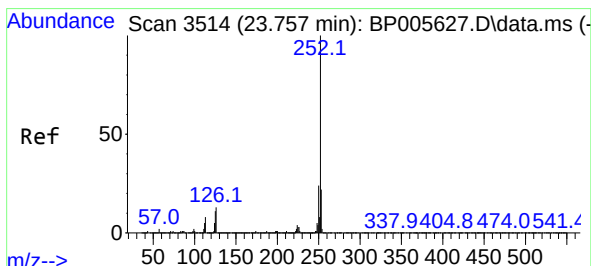
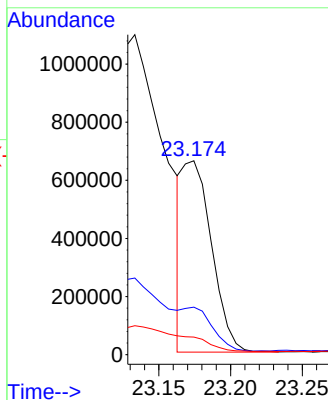
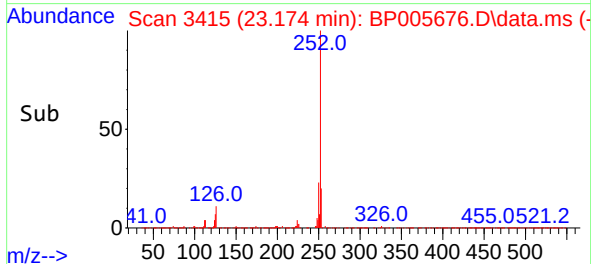
Instrument :
BNA_P
ClientSampleId :
OR-02-060121



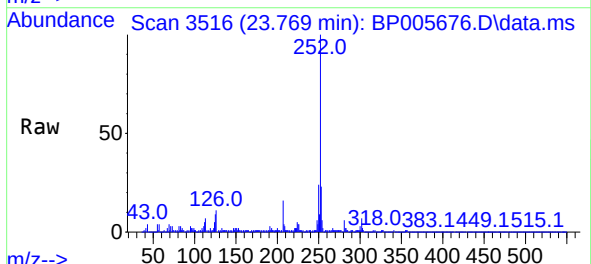
Tgt Ion:252 Resp: 923021
Ion Ratio Lower Upper
252 100
253 24.5 17.2 25.8
125 9.1 3.8 5.6#

Manual Integrations
APPROVED

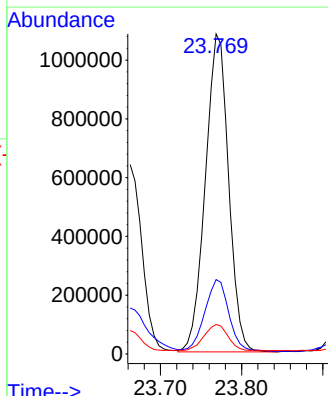
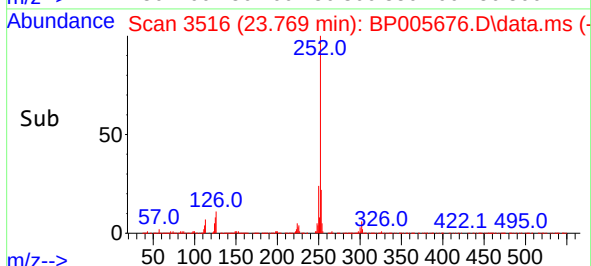
mohammad
6/3/2021 11:08:32 AM

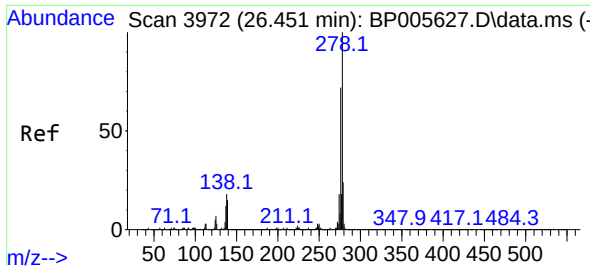


#90
Benzo(a)pyrene
Concen: 20.72 ng
RT: 23.769 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12



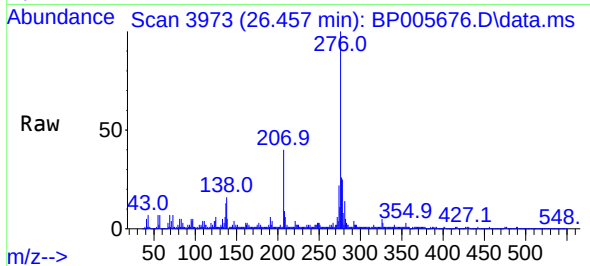
Tgt Ion:252 Resp: 2148860
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 9.2 3.8 5.6#





#91
Dibenzo(a,h)anthracene
Concen: 3.39 ng
RT: 26.457 min Scan# 3973
Delta R.T. 0.006 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

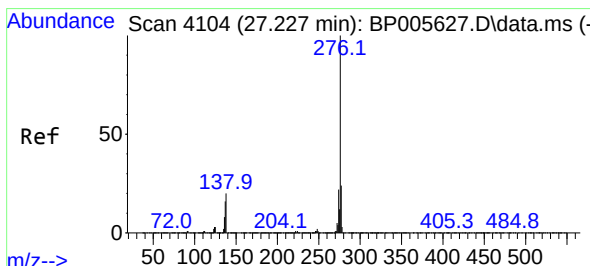
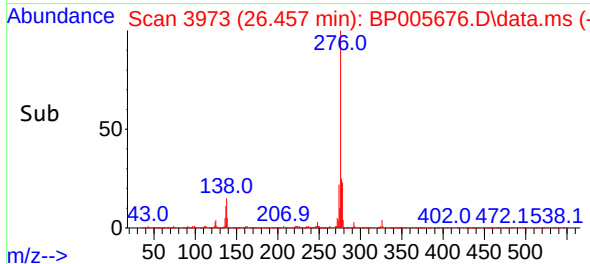
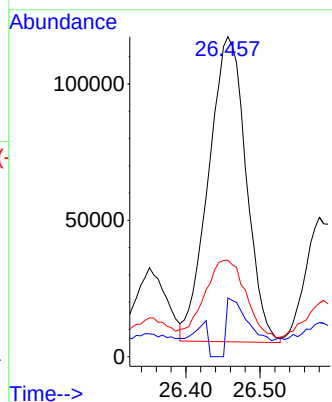
Instrument :
BNA_P
ClientSampled :
OR-02-060121



Tgt Ion:278 Resp: 393426
Ion Ratio Lower Upper
278 100
139 18.3 5.0 7.6#
279 30.1 18.6 28.0#

Manual Integrations
APPROVED

mohammad
6/3/2021 11:08:32 AM



#92
Benzo(g,h,i)perylene
Concen: 11.54 ng
RT: 27.251 min Scan# 4108
Delta R.T. 0.023 min
Lab File: BP005676.D
Acq: 02 Jun 2021 21:12

Tgt Ion:276 Resp: 1291638
Ion Ratio Lower Upper
276 100
277 25.2 19.8 29.8
138 17.4 7.7 11.5#

