

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
 Data File : BP004596.D
 Acq On : 16 Jan 2021 02:16
 Operator : CG/JU
 Sample : M1139-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PL-01-011421

Manual Integrations
 APPROVED

mohammad
 1/18/2021 3:36:29 PM

Quant Time: Jan 16 03:16:56 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 12 15:19:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	225635	20.00	ng	-0.01
21) Naphthalene-d8	10.599	136	898518	20.00	ng	#-0.01
39) Acenaphthene-d10	14.457	164	566988	20.00	ng	-0.01
64) Phenanthrene-d10	17.216	188	1245797	20.00	ng	-0.01
76) Chrysene-d12	21.310	240	1321091	20.00	ng	-0.01
86) Perylene-d12	23.663	264	1427215	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	431388	33.32	ng	0.00
7) Phenol-d6	6.981	99	534743	30.16	ng	0.00
23) Nitrobenzene-d5	8.963	82	301395	18.96	ng	-0.01
42) 2,4,6-Tribromophenol	15.957	330	264939	26.88	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	856115	19.63	ng	-0.01
79) Terphenyl-d14	19.780	244	1292908	17.88	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.516	154	92427	2.71	ng	99
58) Fluorene	15.510	166	142949	3.24	ng	98
71) Phenanthrene	17.257	178	1916839	26.84	ng	99
72) Anthracene	17.351	178	420641	6.08	ng	100
73) Carbazole	17.628	167	206818	3.21	ng	99
75) Fluoranthene	19.233	202	3602108	41.45	ng	99
78) Pyrene	19.586	202	3125506	34.77	ng	100
81) Benzo(a)anthracene	21.298	228	1562863	17.39	ng	99
83) Chrysene	21.345	228	1561352	18.26	ng	97
87) Indeno(1,2,3-cd)pyrene	26.080	276	1072611	9.74	ng	# 94
88) Benzo(b)fluoranthene	22.951	252	2097450	22.71	ng	99
89) Benzo(k)fluoranthene	22.992	252	716570m	8.13	ng	
90) Benzo(a)pyrene	23.557	252	1539493	17.87	ng	97
91) Dibenzo(a,h)anthracene	26.086	278	264753m	2.91	ng	
92) Benzo(g,h,i)perylene	26.827	276	1066565	11.92	ng	96

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

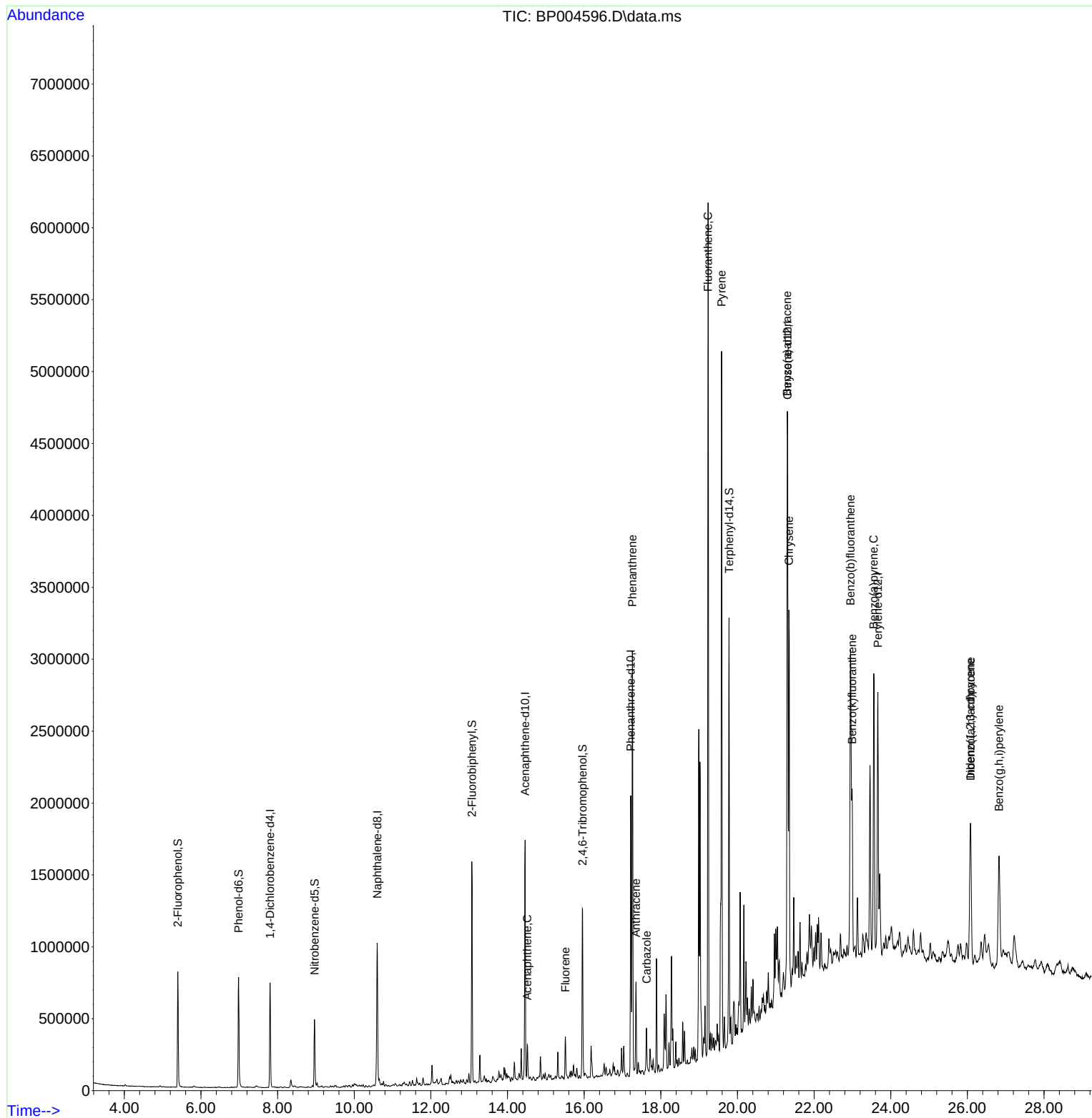
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004596.D
Acq On : 16 Jan 2021 02:16
Operator : CG/JU
Sample : M1139-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

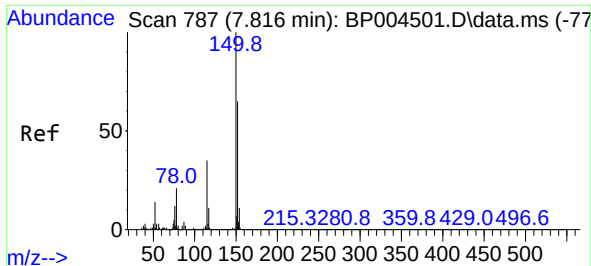
Instrument :
BNA_P
ClientSampleId :
PL-01-011421

Manual Integrations
APPROVED

mohammad
1/18/2021 3:36:29 PM

Quant Time: Jan 16 03:16:56 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 12 15:19:32 2021
Response via : Initial Calibration





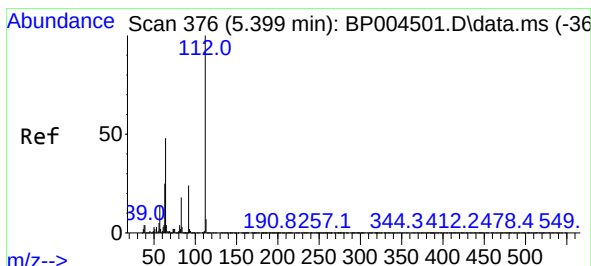
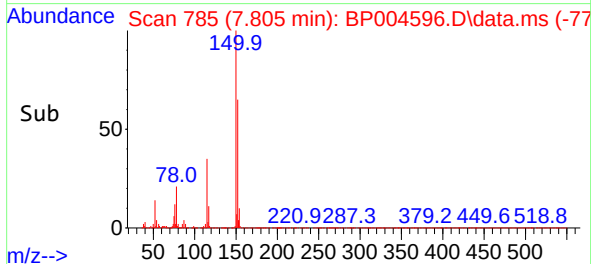
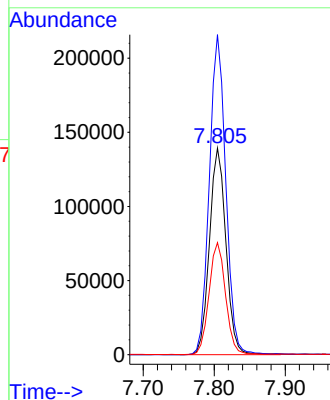
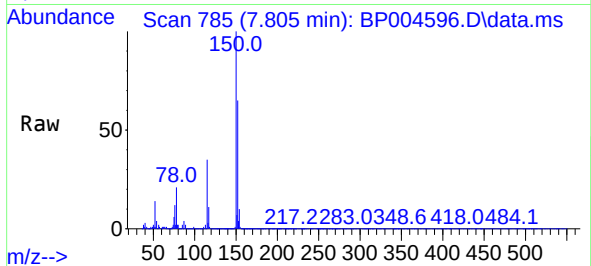
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.805 min Scan# 785
Delta R.T. -0.011 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

Tgt Ion:152 Resp: 225635
Ion Ratio Lower Upper
152 100
150 154.9 123.8 185.6
115 54.2 43.8 65.6

Instrument :
BNA_P
ClientSampleId :
PL-01-011421

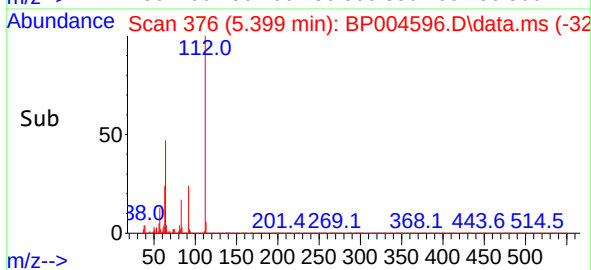
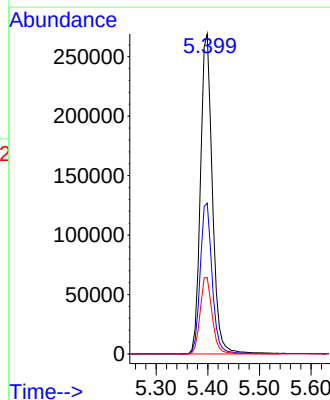
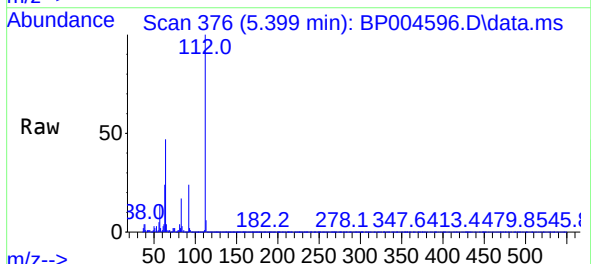
Manual Integrations
APPROVED

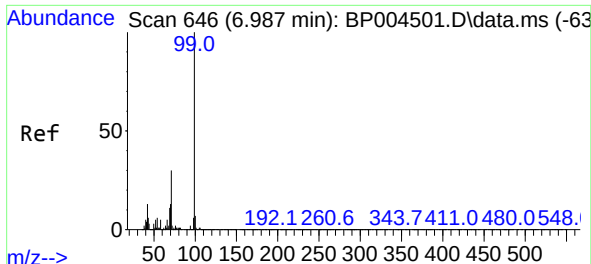
mohammad
1/18/2021 3:36:29 PM



#5
2-Fluorophenol
Concen: 33.32 ng
RT: 5.399 min Scan# 376
Delta R.T. 0.000 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

Tgt Ion:112 Resp: 431388
Ion Ratio Lower Upper
112 100
64 47.1 32.8 49.2
63 23.9 17.0 25.4





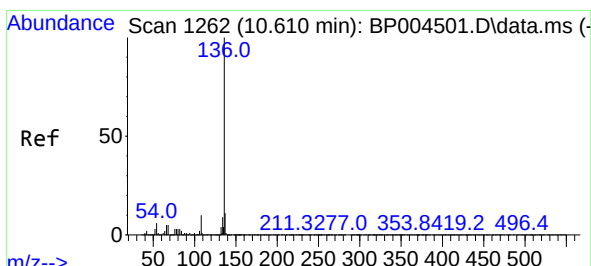
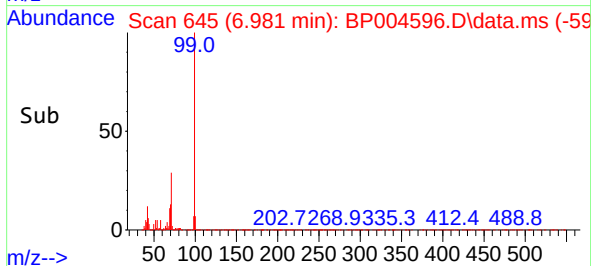
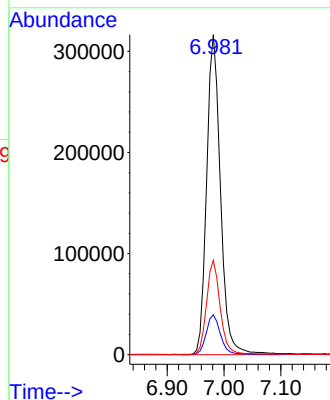
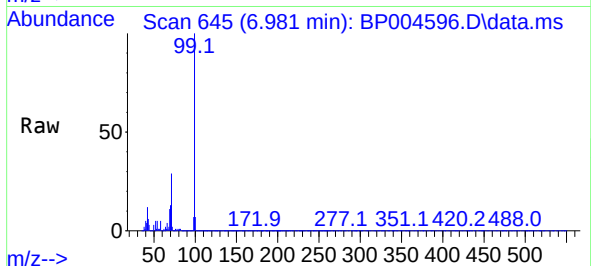
#7
Phenol-d6
Concen: 30.16 ng
RT: 6.981 min Scan# 645
Delta R.T. -0.006 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

Tgt Ion: 99 Resp: 534743
Ion Ratio Lower Upper
99 100
42 12.5 8.6 13.0
71 29.5 23.4 35.2

Instrument :
BNA_P
ClientSampleId :
PL-01-011421

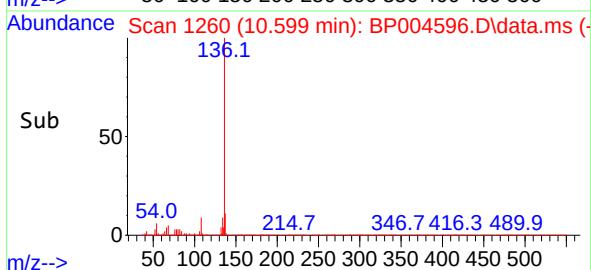
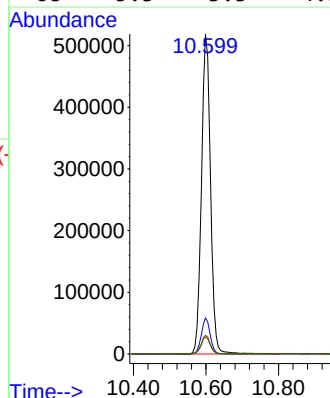
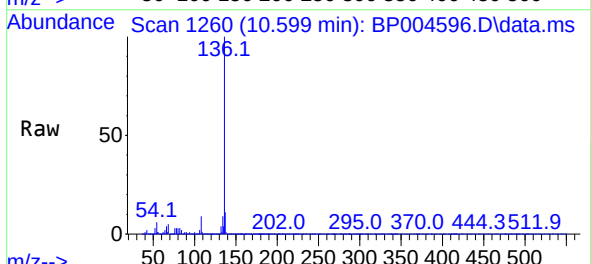
Manual Integrations
APPROVED

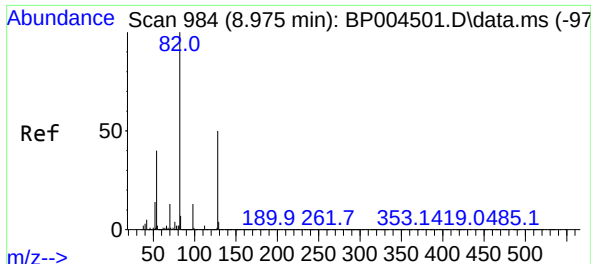
mohammad
1/18/2021 3:36:29 PM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.599 min Scan# 1260
Delta R.T. -0.011 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

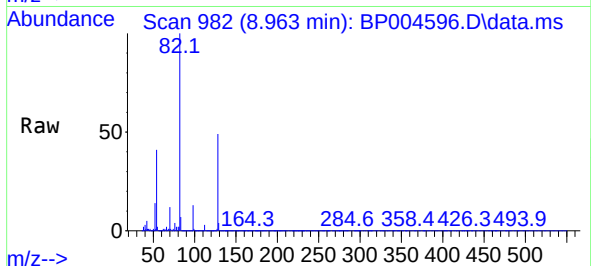
Tgt Ion: 136 Resp: 898518
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 5.8 3.6 5.4#
68 5.3 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 18.96 ng
RT: 8.963 min Scan# 982
Delta R.T. -0.012 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

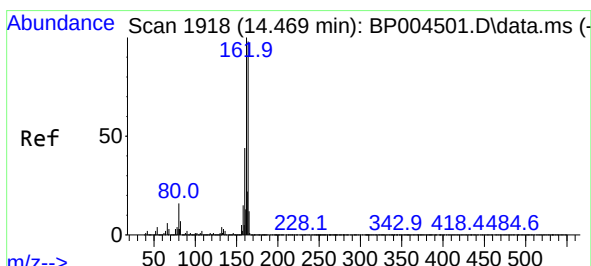
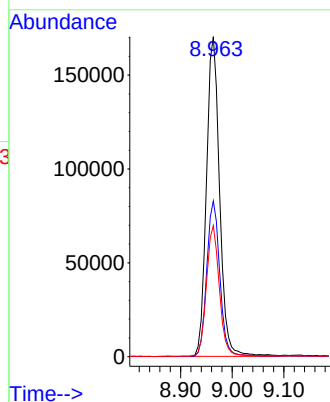
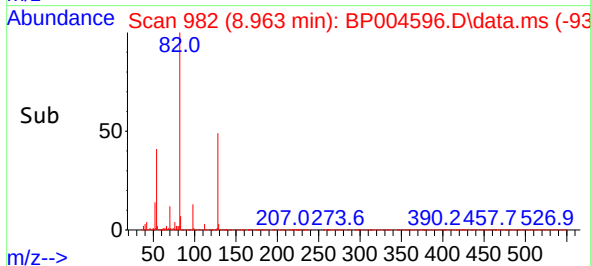
Instrument :
BNA_P
ClientSampleId :
PL-01-011421



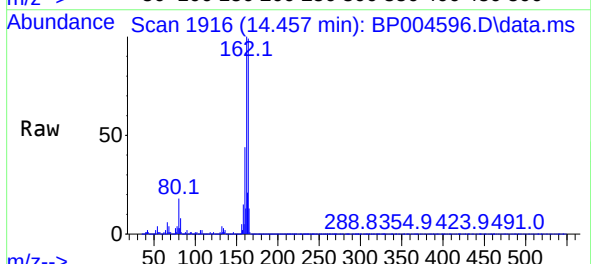
Tgt Ion: 82 Resp: 301395
Ion Ratio Lower Upper
82 100
128 48.6 45.6 68.4
54 41.0 30.1 45.1

Manual Integrations
APPROVED

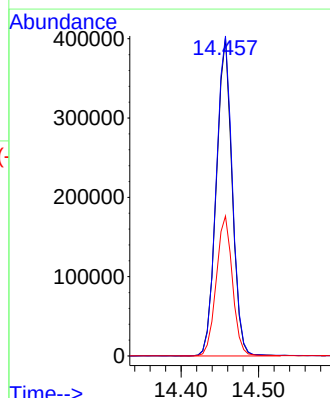
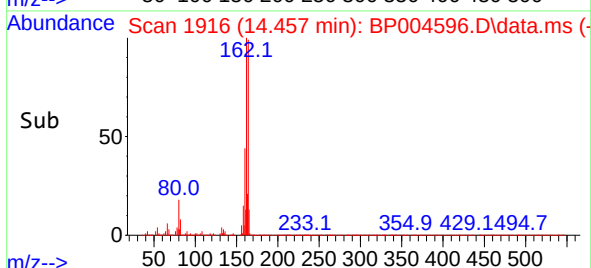
mohammad
1/18/2021 3:36:29 PM

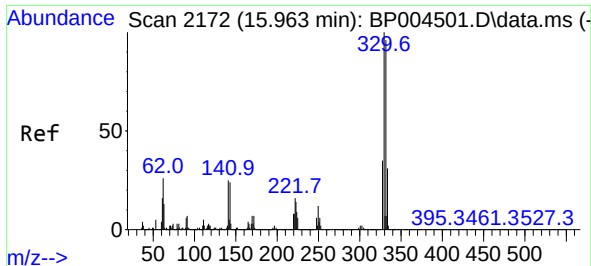


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.457 min Scan# 1916
Delta R.T. -0.012 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16



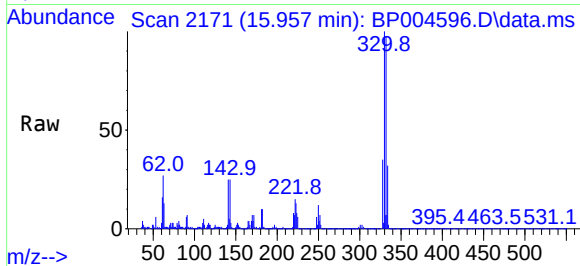
Tgt Ion: 164 Resp: 566988
Ion Ratio Lower Upper
164 100
162 100.7 79.4 119.2
160 44.0 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 26.88 ng
RT: 15.957 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

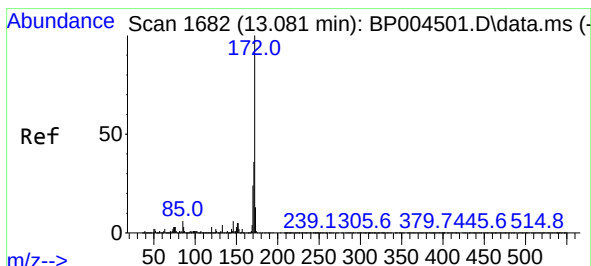
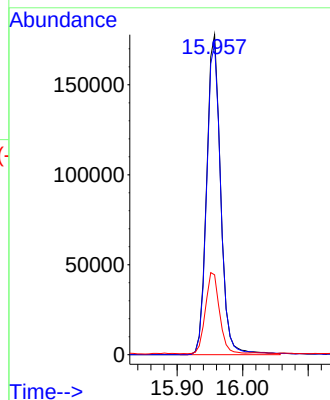
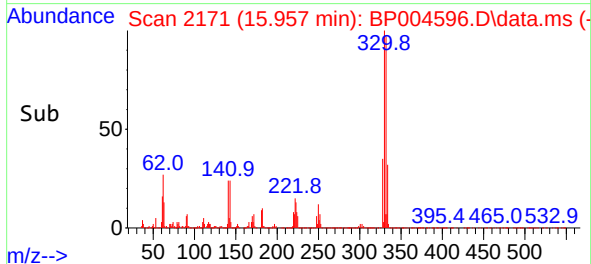
Instrument :
BNA_P
ClientSampled :
PL-01-011421



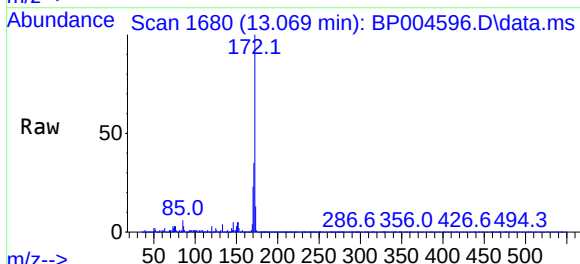
Tgt Ion:330 Resp: 264939
Ion Ratio Lower Upper
330 100
332 98.0 77.1 115.7
141 25.5 23.4 35.2

Manual Integrations
APPROVED

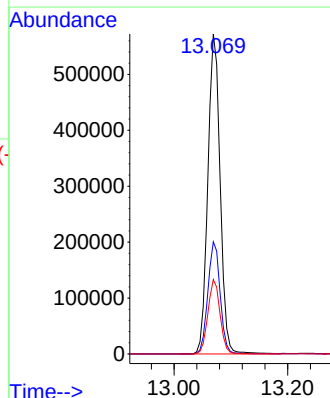
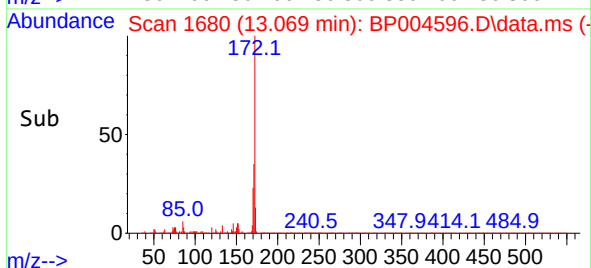
mohammad
1/18/2021 3:36:29 PM

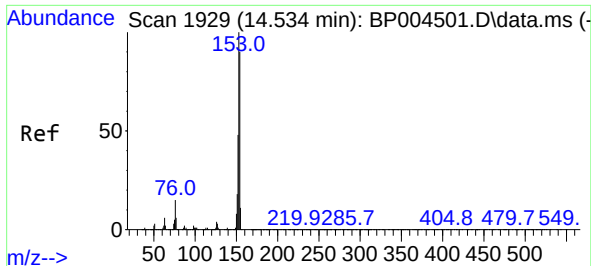


#45
2-Fluorobiphenyl
Concen: 19.63 ng
RT: 13.069 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16



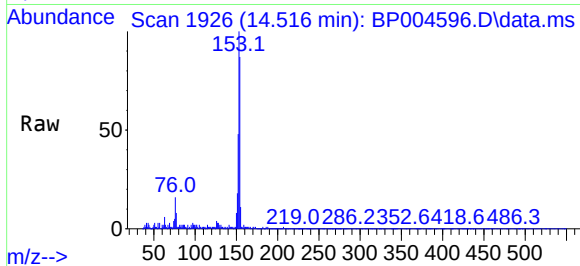
Tgt Ion:172 Resp: 856115
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.3 19.2 28.8





#52
Acenaphthene
Concen: 2.71 ng
RT: 14.516 min Scan# 1926
Delta R.T. -0.018 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

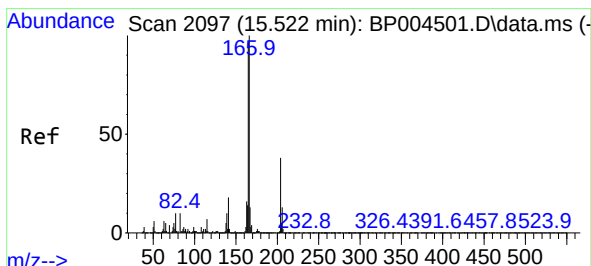
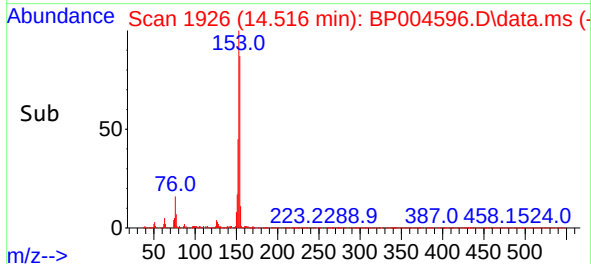
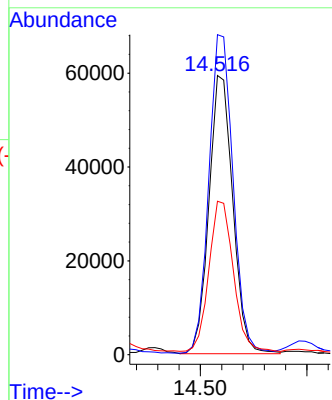
Instrument :
BNA_P
ClientSampleId :
PL-01-011421



Tgt Ion:154 Resp: 92427
Ion Ratio Lower Upper
154 100
153 114.6 91.0 136.6
152 55.0 43.0 64.6

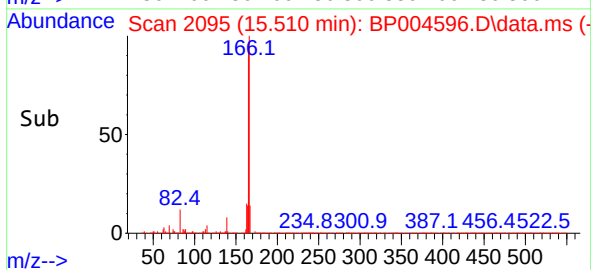
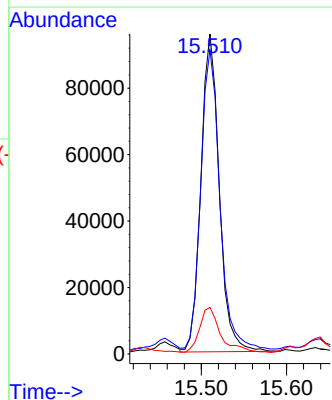
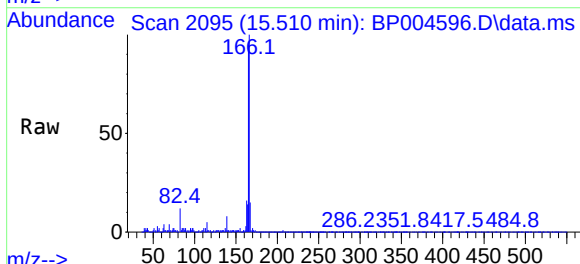
Manual Integrations
APPROVED

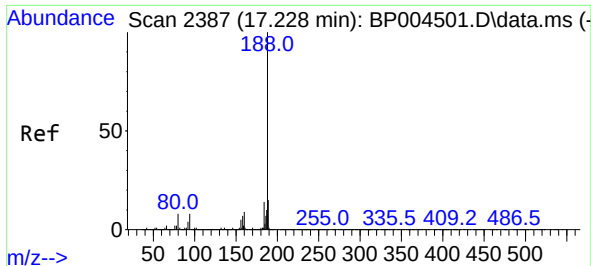
mohammad
1/18/2021 3:36:29 PM



#58
Fluorene
Concen: 3.24 ng
RT: 15.510 min Scan# 2095
Delta R.T. -0.012 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

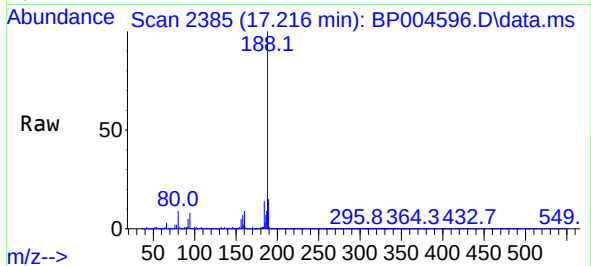
Tgt Ion:166 Resp: 142949
Ion Ratio Lower Upper
166 100
165 95.1 77.8 116.8
167 14.6 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.216 min Scan# 2385
Delta R.T. -0.012 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

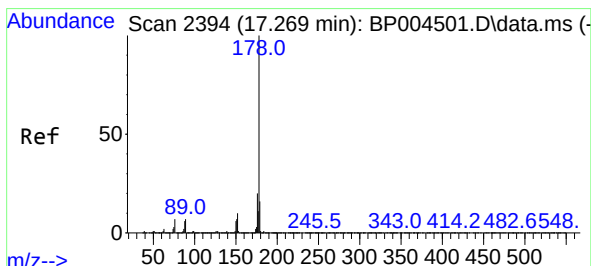
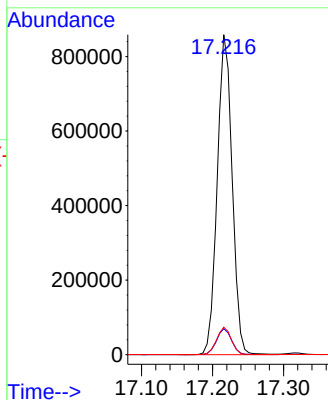
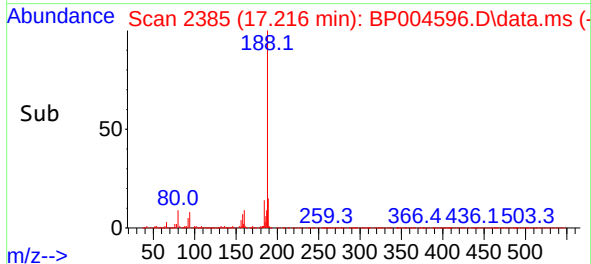
Instrument :
BNA_P
ClientSampled :
PL-01-011421



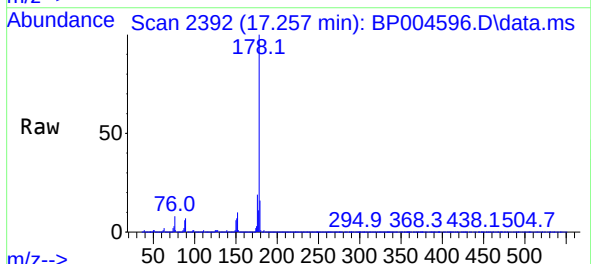
Tgt Ion:188 Resp: 1245797
Ion Ratio Lower Upper
188 100
94 8.2 6.2 9.2
80 8.6 6.2 9.2

Manual Integrations
APPROVED

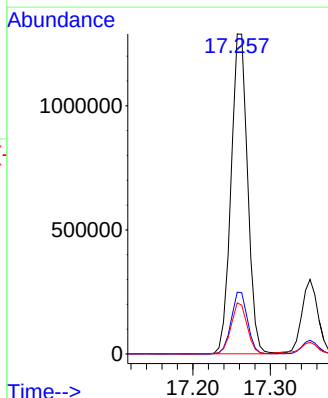
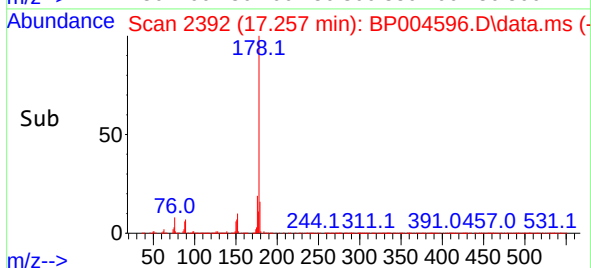
mohammad
1/18/2021 3:36:29 PM

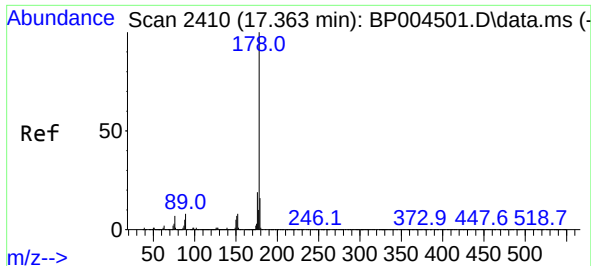


#71
Phenanthrene
Concen: 26.84 ng
RT: 17.257 min Scan# 2392
Delta R.T. -0.012 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16



Tgt Ion:178 Resp: 1916839
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.9 12.5 18.7





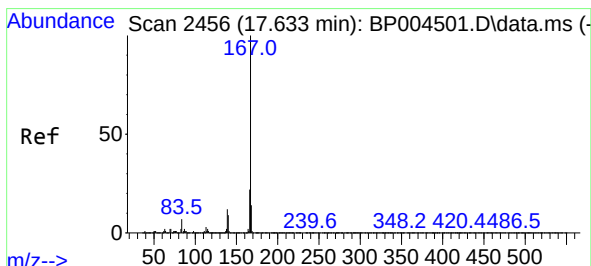
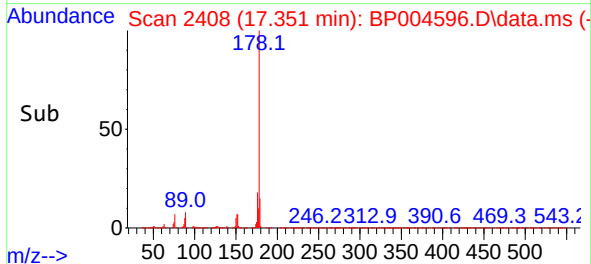
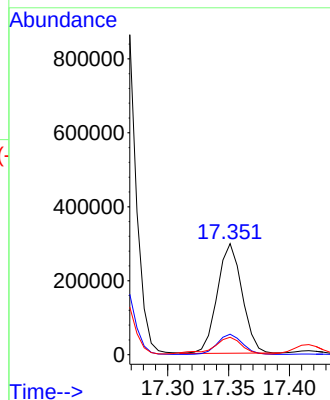
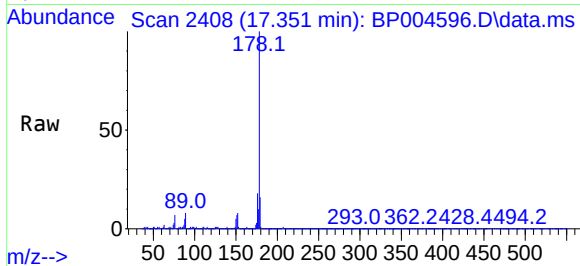
#72
 Anthracene
 Concen: 6.08 ng
 RT: 17.351 min Scan# 2408
 Delta R.T. -0.012 min
 Lab File: BP004596.D
 Acq: 16 Jan 2021 02:16

Tgt Ion:178 Resp: 420641
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.0 22.4
 179 15.7 12.5 18.7

Instrument :
 BNA_P
 ClientSampled :
 PL-01-011421

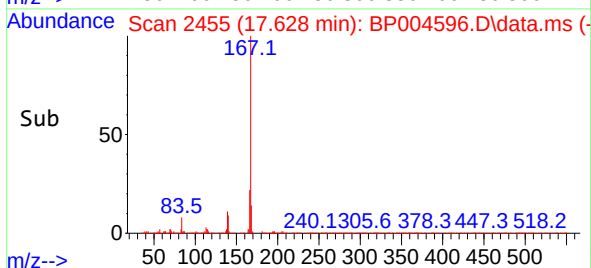
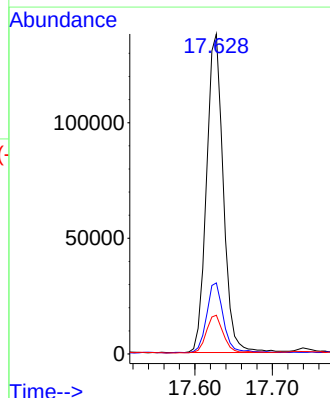
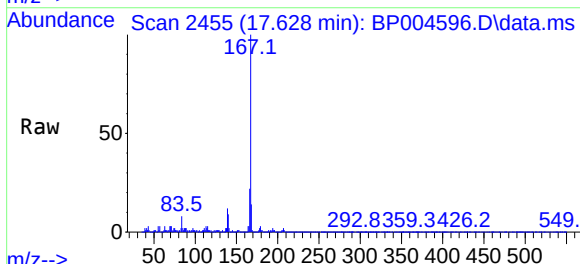
Manual Integrations
 APPROVED

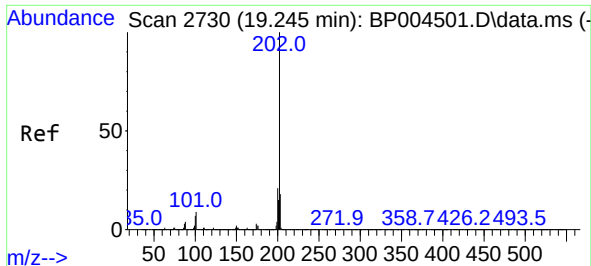
mohammad
 1/18/2021 3:36:29 PM



#73
 Carbazole
 Concen: 3.21 ng
 RT: 17.628 min Scan# 2455
 Delta R.T. -0.006 min
 Lab File: BP004596.D
 Acq: 16 Jan 2021 02:16

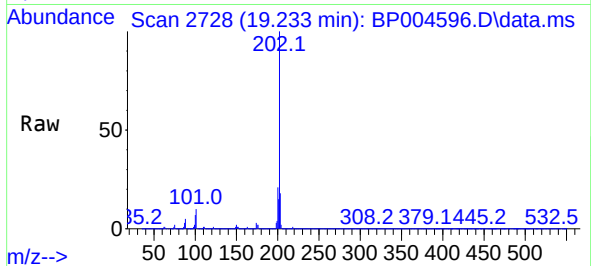
Tgt Ion:167 Resp: 206818
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.6 26.4
 139 12.1 10.2 15.4





#75
Fluoranthene
Concen: 41.45 ng
RT: 19.233 min Scan# 2728
Delta R.T. -0.012 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

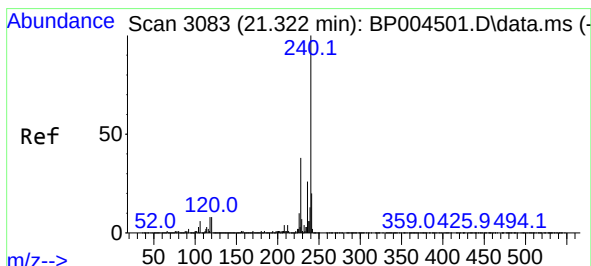
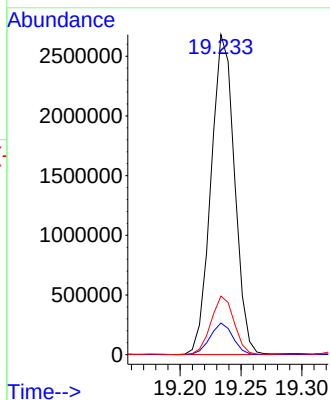
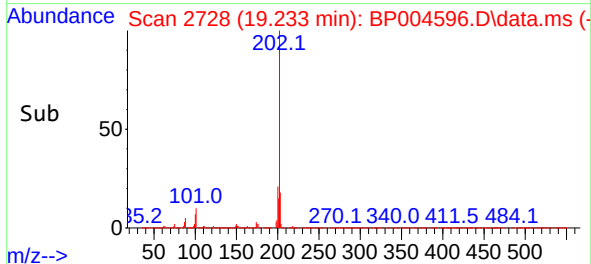
Instrument :
BNA_P
ClientSampled :
PL-01-011421



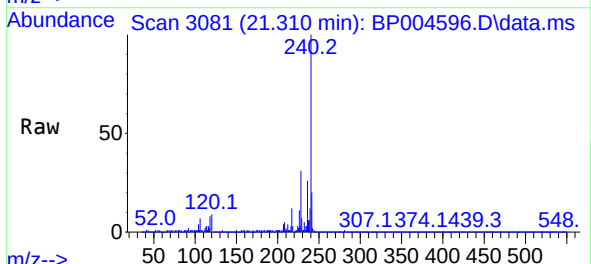
Tgt Ion:202 Resp: 3602108
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.4
203 18.3 0.0 37.8

Manual Integrations
APPROVED

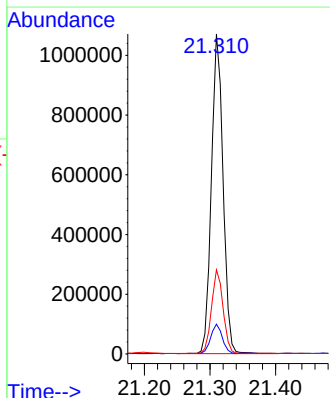
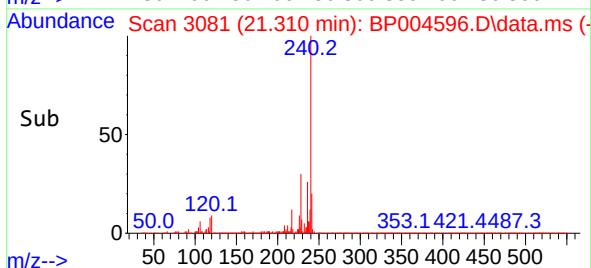
mohammad
1/18/2021 3:36:29 PM

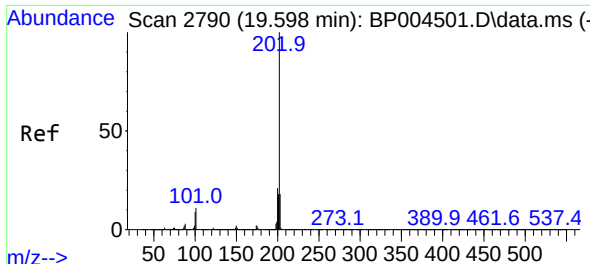


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.310 min Scan# 3081
Delta R.T. -0.012 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16



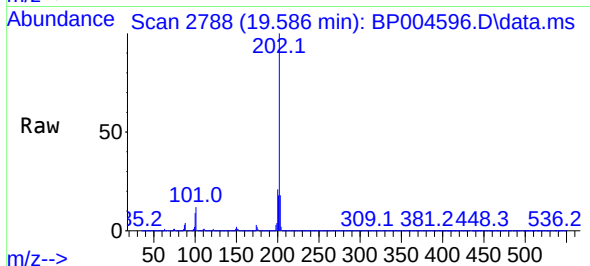
Tgt Ion:240 Resp: 1321091
Ion Ratio Lower Upper
240 100
120 9.3 7.8 11.6
236 26.3 20.8 31.2





#78
Pyrene
Concen: 34.77 ng
RT: 19.586 min Scan# 2788
Delta R.T. -0.012 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

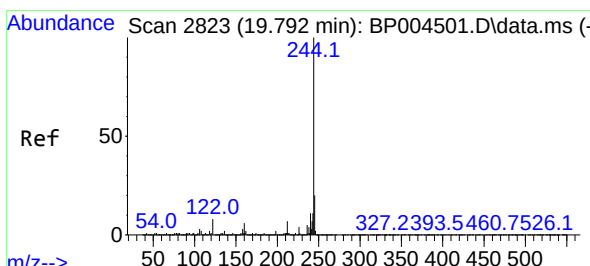
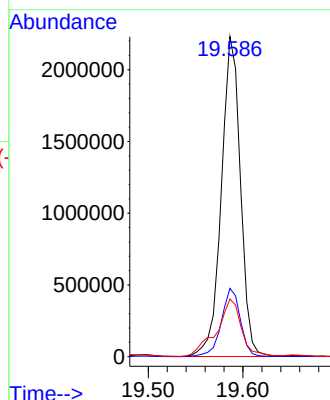
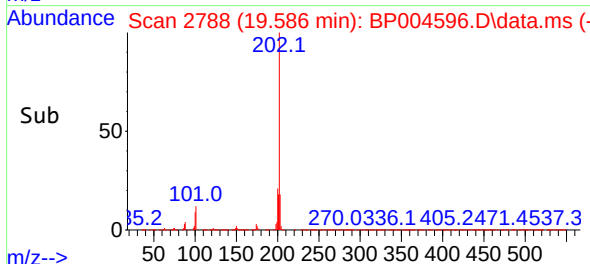
Instrument :
BNA_P
ClientSampleId :
PL-01-011421



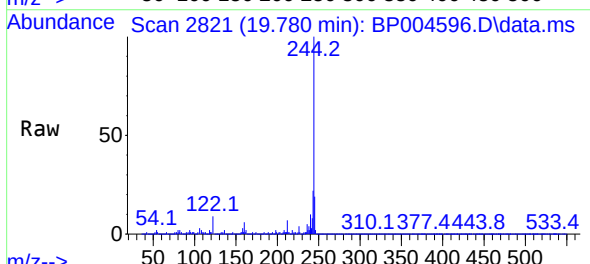
Tgt Ion:202 Resp: 3125506
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 18.0 14.2 21.2

Manual Integrations
APPROVED

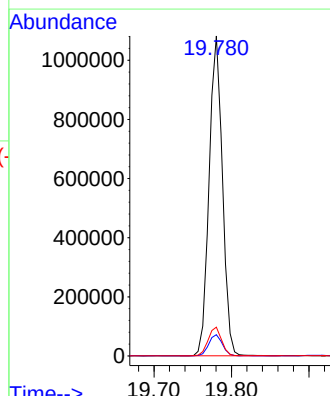
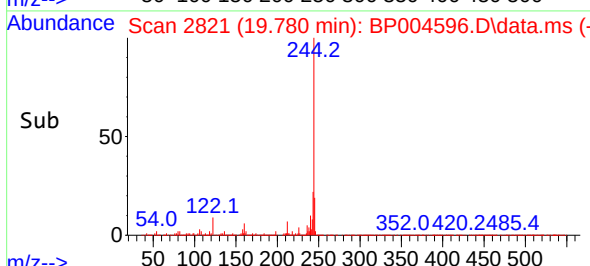
mohammad
1/18/2021 3:36:29 PM

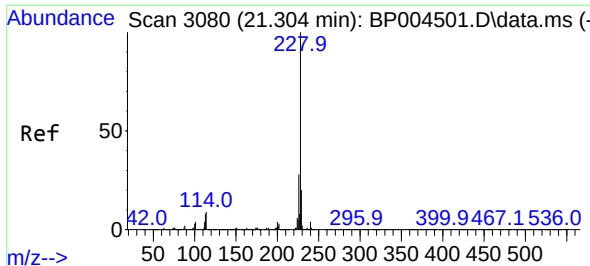


#79
Terphenyl-d14
Concen: 17.88 ng
RT: 19.780 min Scan# 2821
Delta R.T. -0.012 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16



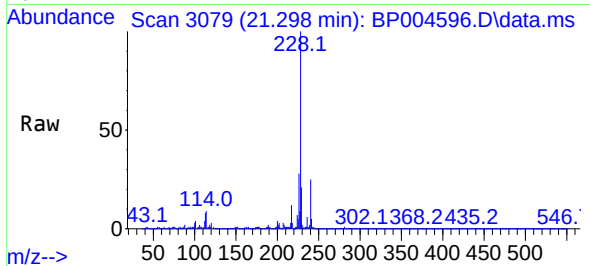
Tgt Ion:244 Resp: 1292908
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 9.0 7.8 11.8





#81
Benzo(a)anthracene
Concen: 17.39 ng
RT: 21.298 min Scan# 3079
Delta R.T. -0.006 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

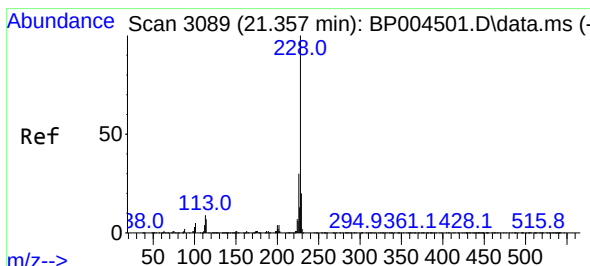
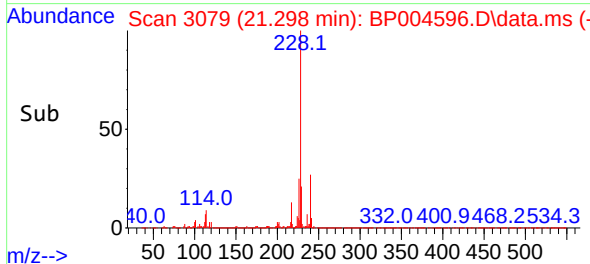
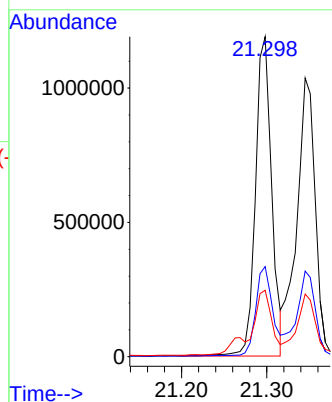
Instrument :
BNA_P
ClientSampled :
PL-01-011421



Tgt Ion:228 Resp: 1562863
Ion Ratio Lower Upper
228 100
226 28.2 22.1 33.1
229 20.8 15.9 23.9

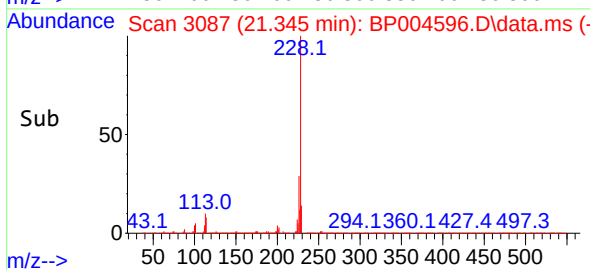
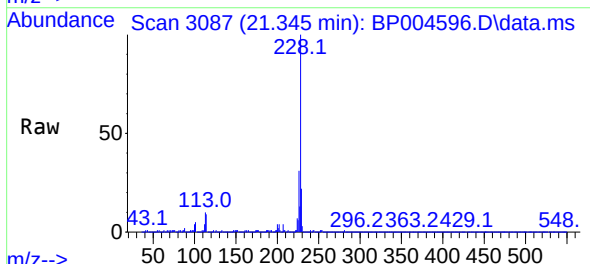
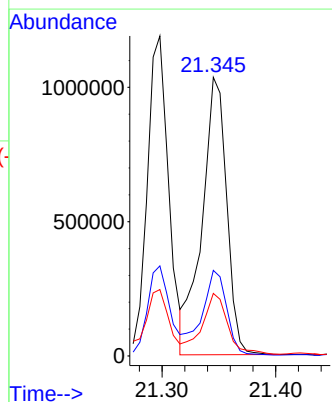
Manual Integrations
APPROVED

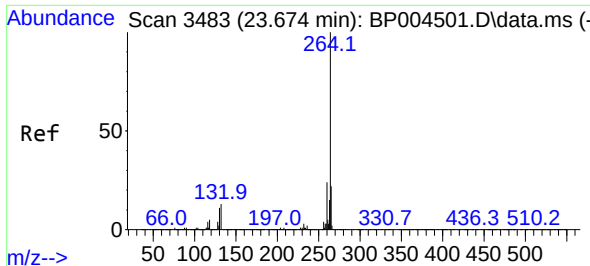
mohammad
1/18/2021 3:36:29 PM



#83
Chrysene
Concen: 18.26 ng
RT: 21.345 min Scan# 3087
Delta R.T. -0.012 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

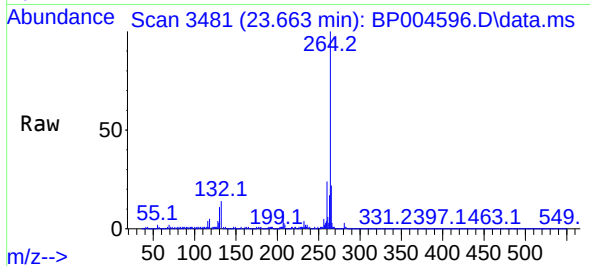
Tgt Ion:228 Resp: 1561352
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.5 15.8 23.6





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.663 min Scan# 3481
Delta R.T. -0.012 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

Instrument :
BNA_P
ClientSampled :
PL-01-011421

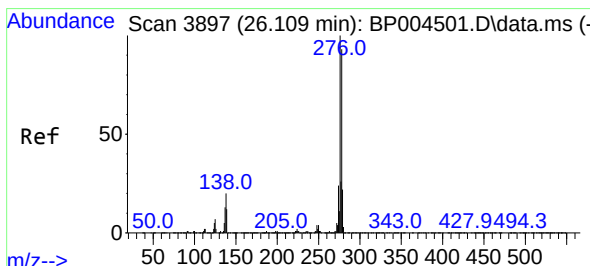
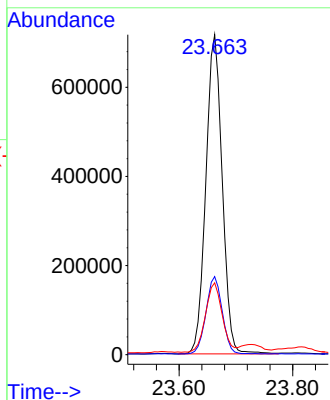
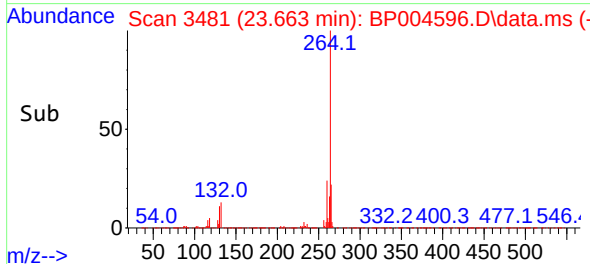


Tgt Ion:264 Resp: 1427215

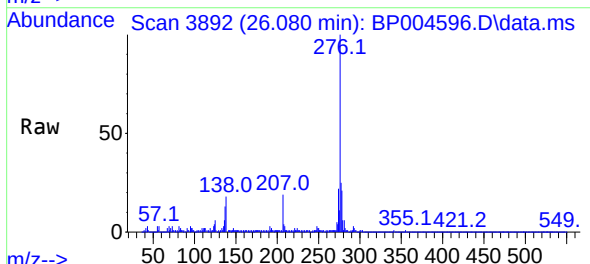
Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	22.4	17.4	26.2

Manual Integrations
APPROVED

mohammad
1/18/2021 3:36:29 PM

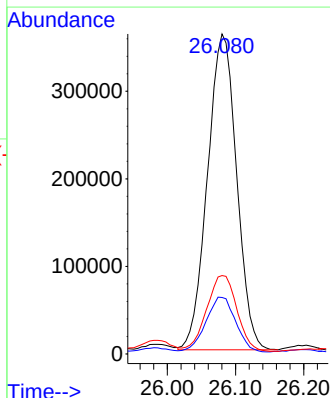
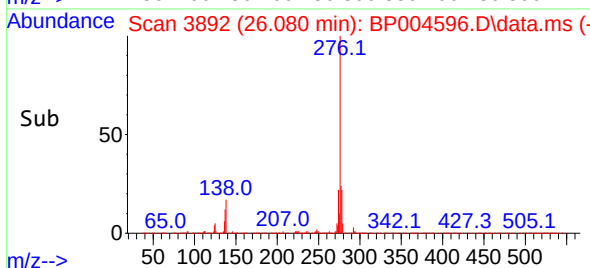


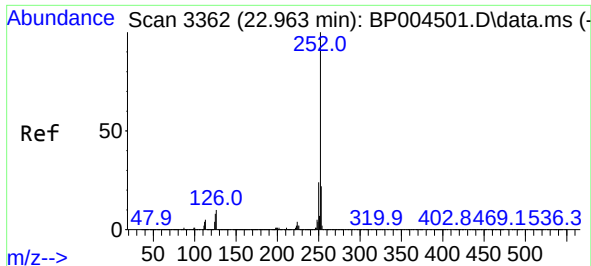
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.74 ng
RT: 26.080 min Scan# 3892
Delta R.T. -0.029 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16



Tgt Ion:276 Resp: 1072611

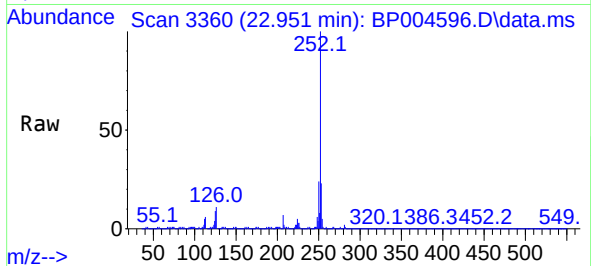
Ion	Ratio	Lower	Upper
276	100		
138	17.7	18.7	28.1#
277	25.0	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 22.71 ng
RT: 22.951 min Scan# 3360
Delta R.T. -0.012 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

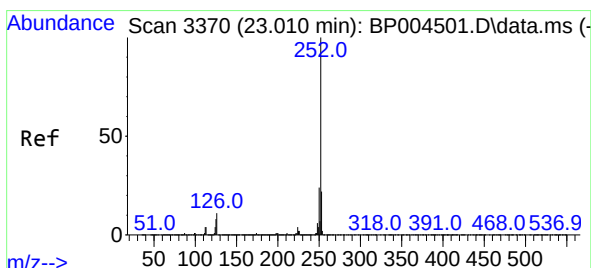
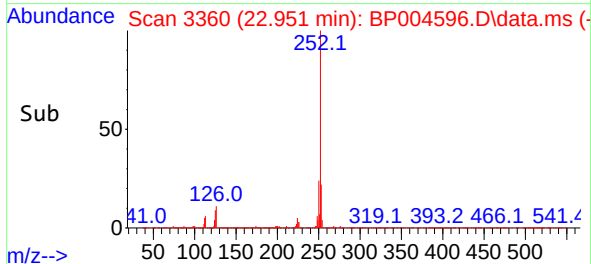
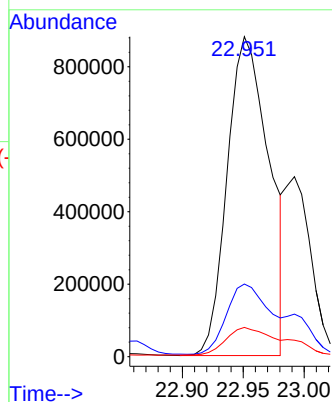
Instrument :
BNA_P
ClientSampled :
PL-01-011421



Tgt Ion:252 Resp: 2097450
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 9.2 7.3 10.9

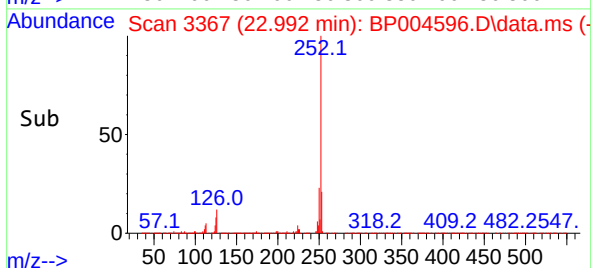
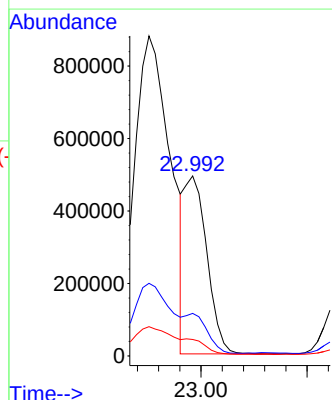
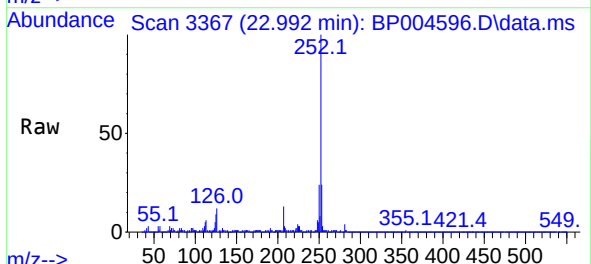
Manual Integrations
APPROVED

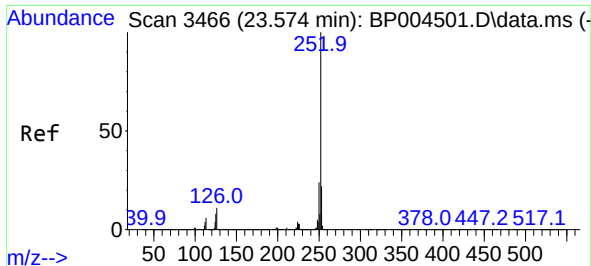
mohammad
1/18/2021 3:36:29 PM



#89
Benzo(k)fluoranthene
Concen: 8.13 ng m
RT: 22.992 min Scan# 3367
Delta R.T. -0.018 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

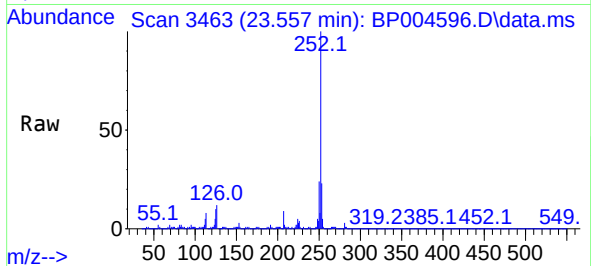
Tgt Ion:252 Resp: 716570
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 9.1 7.4 11.2





#90
Benzo(a)pyrene
Concen: 17.87 ng
RT: 23.557 min Scan# 3463
Delta R.T. -0.018 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

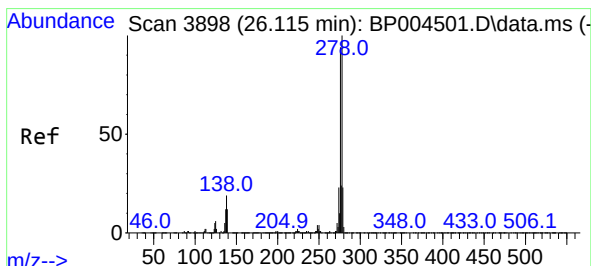
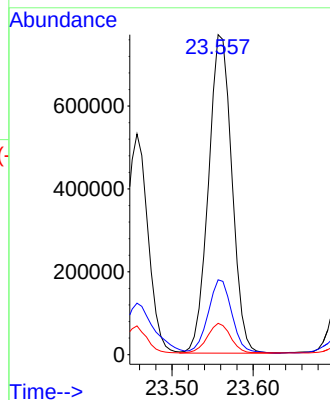
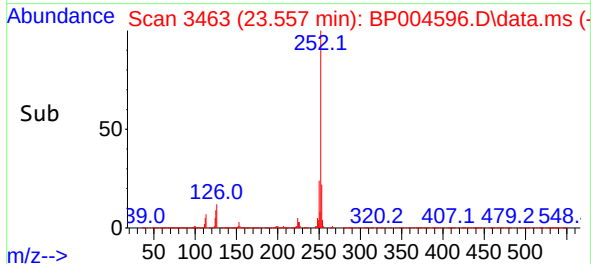
Instrument :
BNA_P
ClientSampled :
PL-01-011421



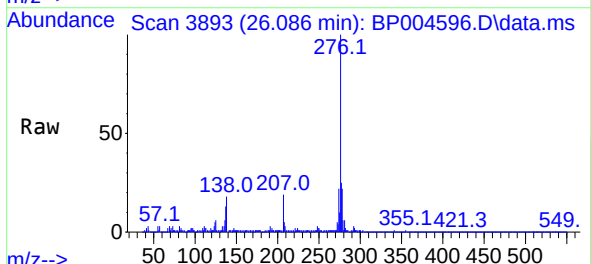
Tgt Ion:252 Resp: 1539493
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 9.8 8.2 12.4

Manual Integrations
APPROVED

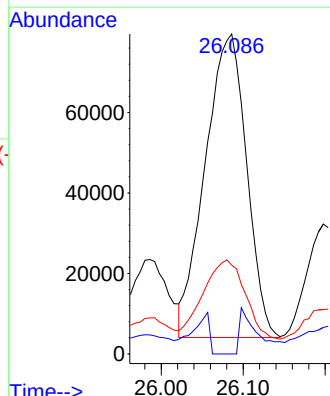
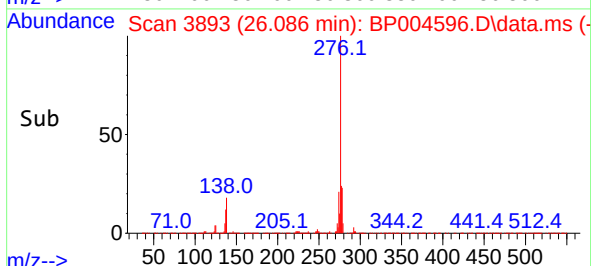
mohammad
1/18/2021 3:36:29 PM

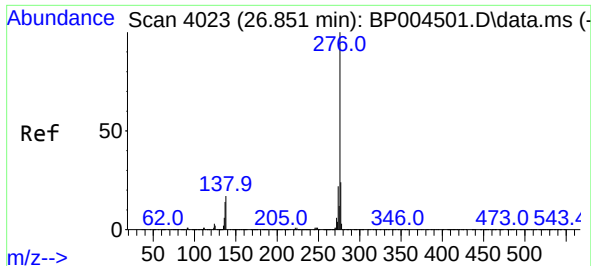


#91
Dibenzo(a,h)anthracene
Concen: 2.91 ng m
RT: 26.086 min Scan# 3893
Delta R.T. -0.029 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16



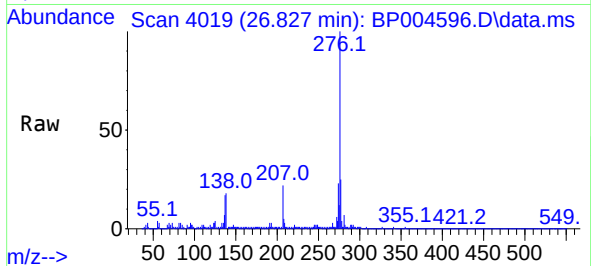
Tgt Ion:278 Resp: 264753
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6#
279 27.8 19.0 28.6





#92
Benzo(g,h,i)perylene
Concen: 11.92 ng
RT: 26.827 min Scan# 4019
Delta R.T. -0.023 min
Lab File: BP004596.D
Acq: 16 Jan 2021 02:16

Instrument :
BNA_P
ClientSampleId :
PL-01-011421



Tgt Ion:276 Resp: 1066565
Ion Ratio Lower Upper
276 100
277 25.2 19.0 28.6
138 18.1 16.6 24.8

Manual Integrations
APPROVED

mohammad
1/18/2021 3:36:29 PM

