

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
 Data File : BP006105.D
 Acq On : 29 Jun 2021 23:10
 Operator : CG/JU
 Sample : M2886-05 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR-24

Manual Integrations
 APPROVED

mohammad
 6/30/2021 2:14:09 PM

Quant Time: Jun 30 01:15:05 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 28 11:34:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	153740	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	578097	20.000	ng	0.00
39) Acenaphthene-d10	14.534	164	332488	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	603258	20.000	ng	0.00
76) Chrysene-d12	21.363	240	507687	20.000	ng	0.00
86) Perylene-d12	23.768	264	597359	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	124152	12.958	ng	0.00
7) Phenol-d6	7.087	99	154499	12.441	ng	0.00
23) Nitrobenzene-d5	9.069	82	99024	8.398	ng	0.00
42) 2,4,6-Tribromophenol	16.028	330	66314	11.622	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	239893	9.474	ng	0.00
79) Terphenyl-d14	19.827	244	291837	10.764	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	10.757	128	160496	4.798	ng	99
37) 2-Methylnaphthalene	12.363	142	56551	2.375	ng	99
38) 1-Methylnaphthalene	12.581	142	52391	2.336	ng	98
52) Acenaphthene	14.598	154	329866	16.174	ng	98
55) Dibenzofuran	14.934	168	287747	8.579	ng	99
58) Fluorene	15.581	166	333566	12.764	ng	98
71) Phenanthrene	17.333	178	5776115	159.437	ng	99
72) Anthracene	17.416	178	1246799	34.968	ng	99
73) Carbazole	17.692	167	578248	16.892	ng	99
75) Fluoranthene	19.304	202	7591828	172.556	ng	98
78) Pyrene	19.651	202	6627002	186.979	ng	97
81) Benzo(a)anthracene	21.351	228	3418404	93.278	ng	98
83) Chrysene	21.404	228	3176424	89.488	ng	97
87) Indeno(1,2,3-cd)pyrene	26.315	276	2580685	50.519	ng	98
88) Benzo(b)fluoranthene	23.039	252	4517605	110.417	ng	97
89) Benzo(k)fluoranthene	23.080	252	1593854m	40.174	ng	
90) Benzo(a)pyrene	23.668	252	3384452	87.987	ng	98
91) Dibenzo(a,h)anthracene	26.309	278	656136	14.923	ng	# 86
92) Benzo(g,h,i)perylene	27.092	276	2486398	57.246	ng	97

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

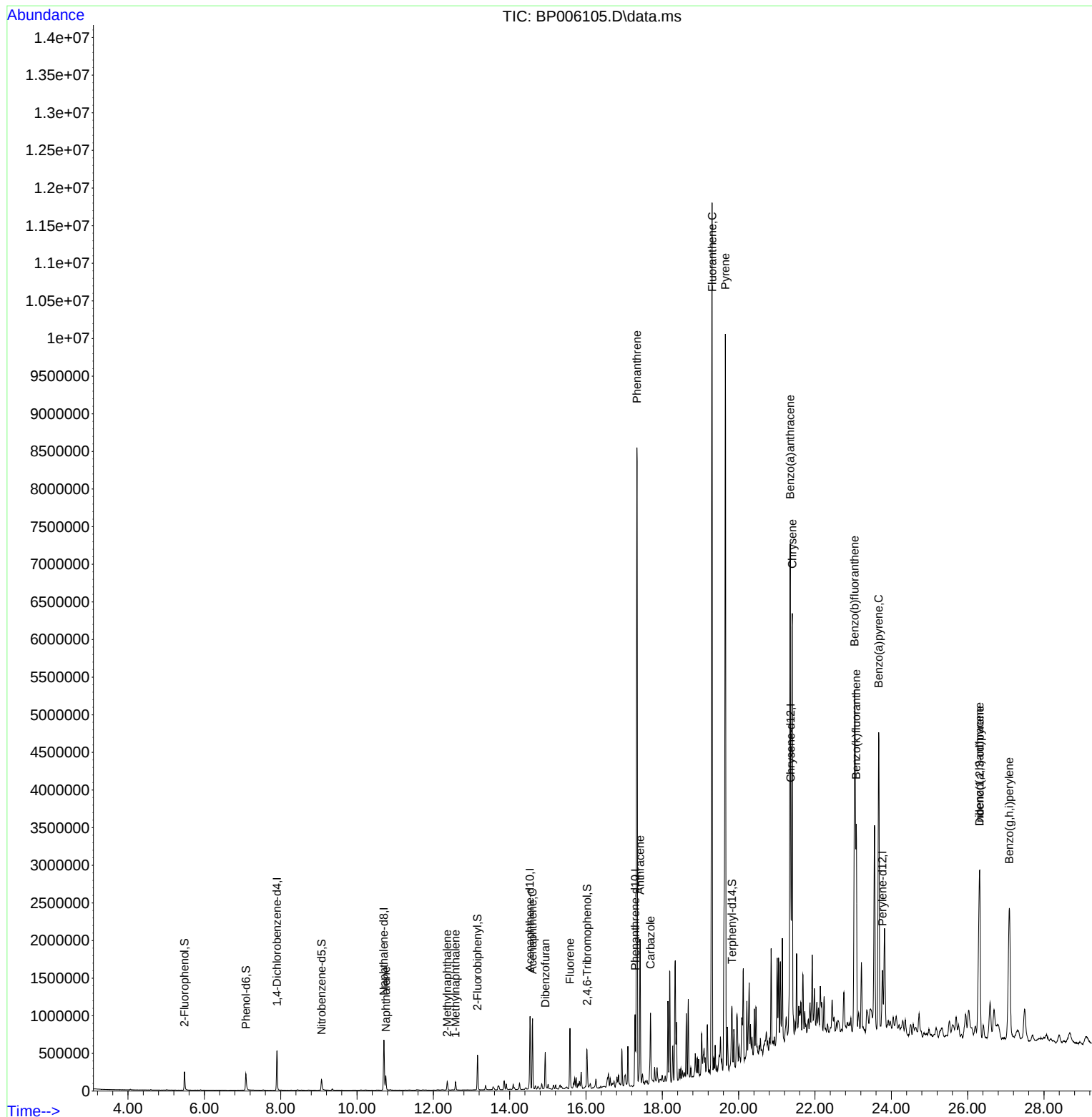
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062921\
Data File : BP006105.D
Acq On : 29 Jun 2021 23:10
Operator : CG/JU
Sample : M2886-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

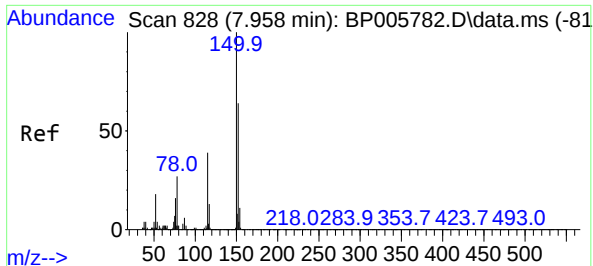
Instrument :
BNA_P
ClientSampleId :
RBR-24

Manual Integrations
APPROVED

mohammad
6/30/2021 2:14:09 PM

Quant Time: Jun 30 01:15:05 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 28 11:34:30 2021
Response via : Initial Calibration





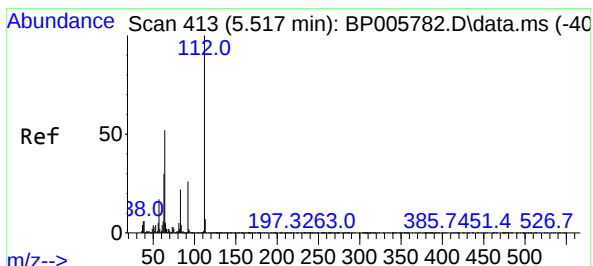
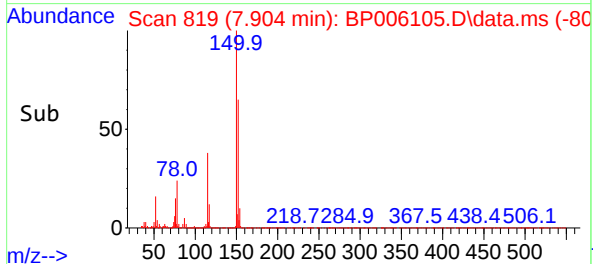
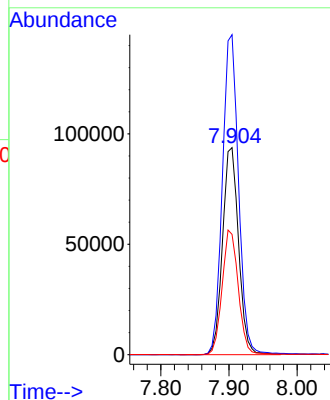
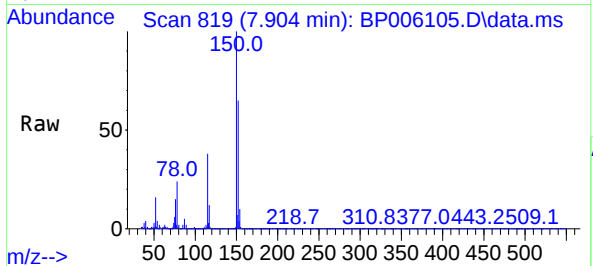
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 819
Delta R.T. -0.001 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

Tgt Ion:152 Resp: 153740
Ion Ratio Lower Upper
152 100
150 154.5 125.6 188.4
115 58.1 48.5 72.7

Instrument :
BNA_P
ClientSampleId :
RBR-24

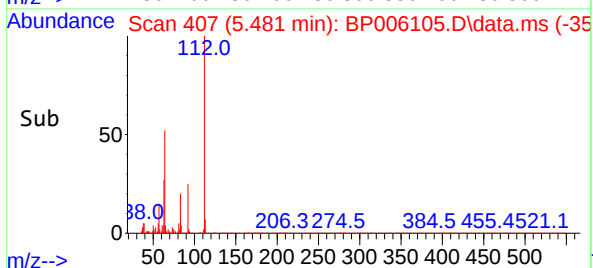
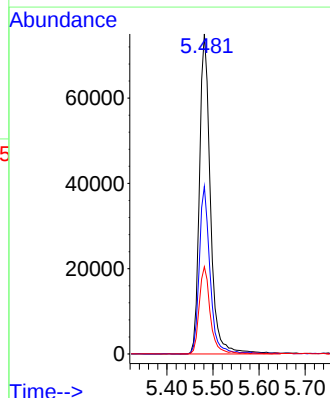
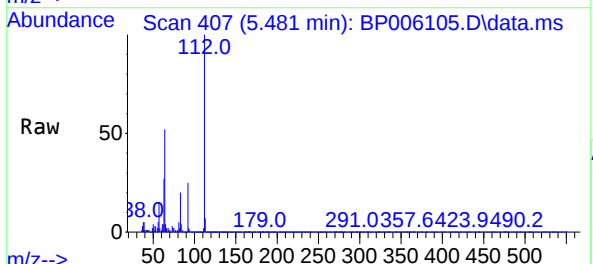
Manual Integrations
APPROVED

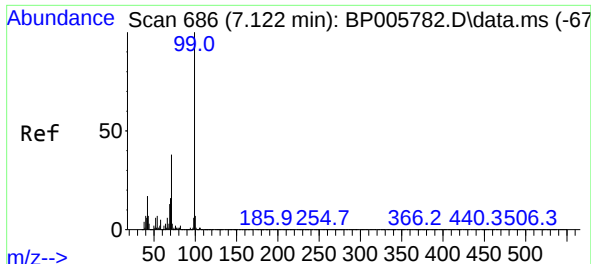
mohammad
6/30/2021 2:14:09 PM



#5
2-Fluorophenol
Concen: 12.958 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

Tgt Ion:112 Resp: 124152
Ion Ratio Lower Upper
112 100
64 52.4 41.4 62.2
63 27.2 23.8 35.8





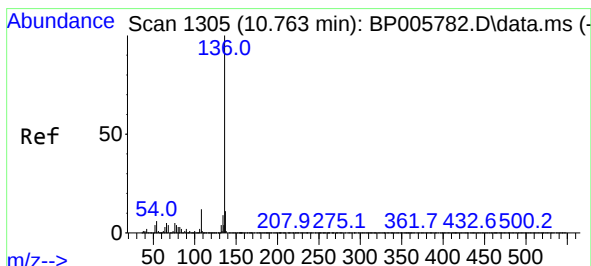
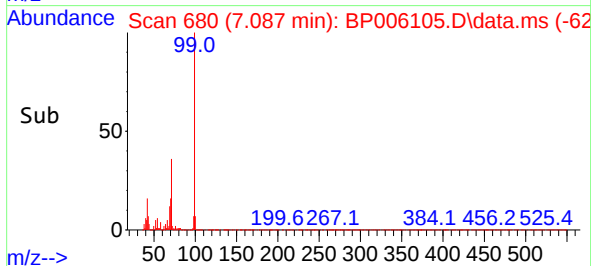
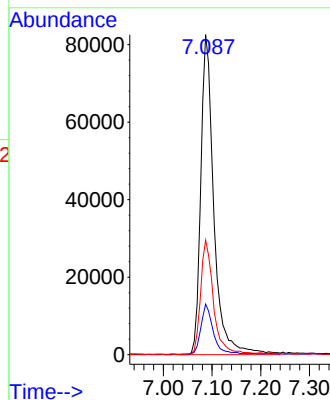
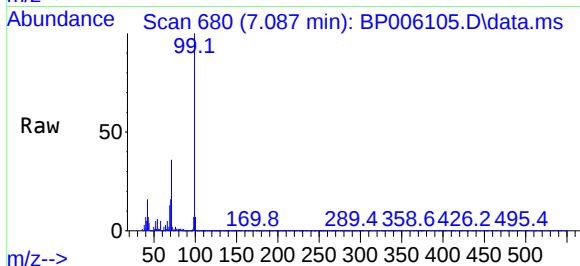
#7
Phenol-d6
Concen: 12.441 ng
RT: 7.087 min Scan# 680
Delta R.T. 0.006 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

Tgt Ion: 99 Resp: 154499
Ion Ratio Lower Upper
99 100
42 15.8 13.4 20.0
71 35.8 30.6 46.0

Instrument :
BNA_P
ClientSampled :
RBR-24

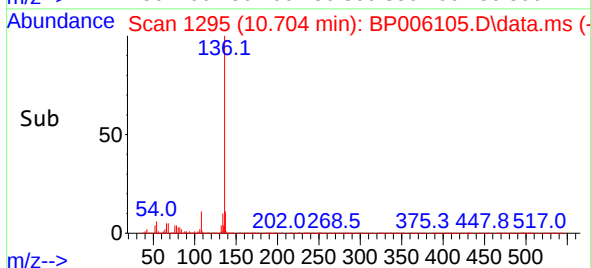
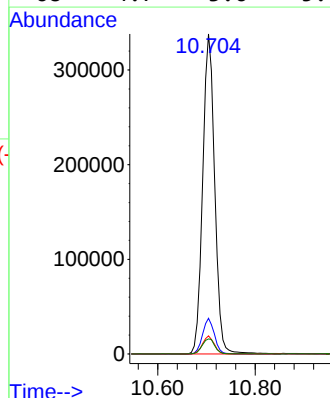
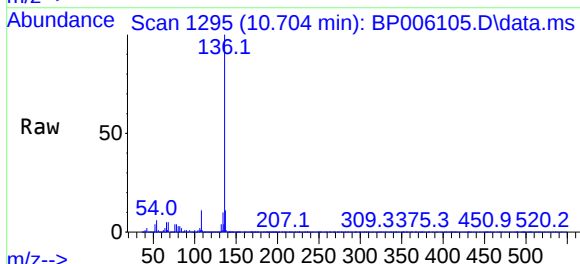
Manual Integrations
APPROVED

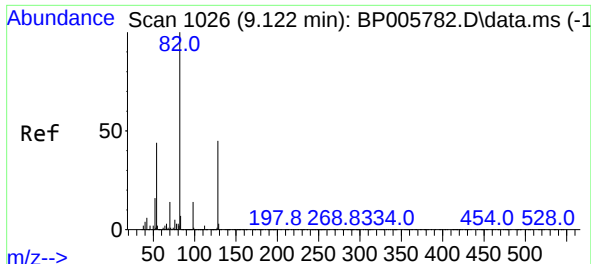
mohammad
6/30/2021 2:14:09 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

Tgt Ion: 136 Resp: 578097
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 5.7 4.6 6.8
68 4.7 3.6 5.4





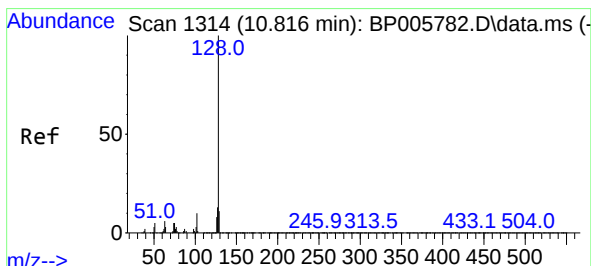
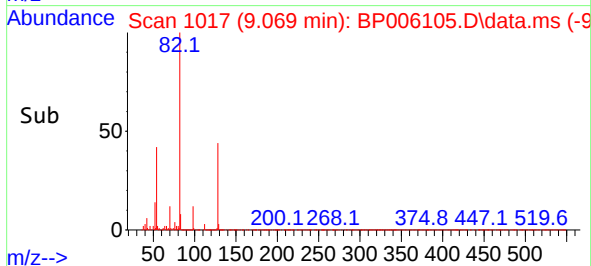
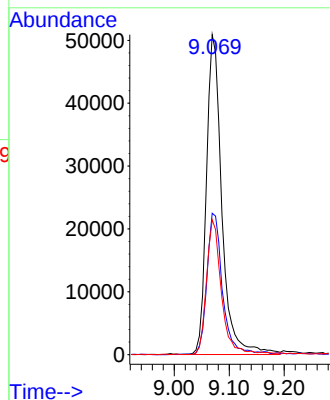
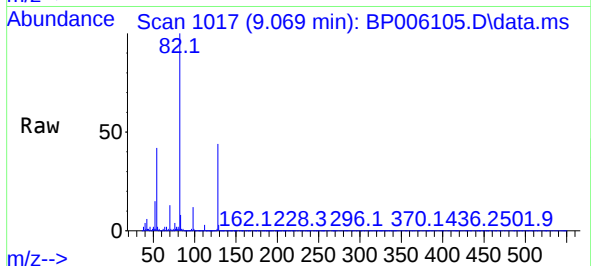
#23
Nitrobenzene-d5
Concen: 8.398 ng
RT: 9.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

Tgt Ion:	82	Resp:	99024
Ion Ratio	Lower	Upper	
82	100		
128	44.2	35.7	53.5
54	42.1	35.0	52.4

Instrument :
BNA_P
ClientSampled :
RBR-24

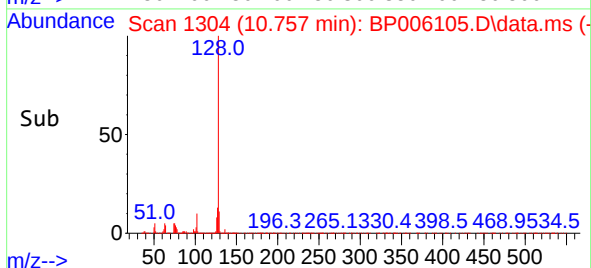
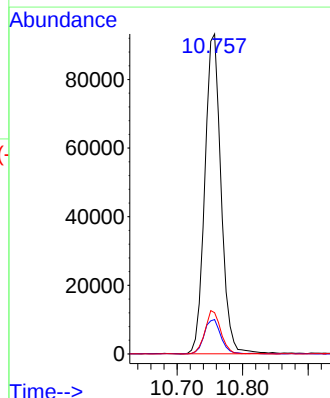
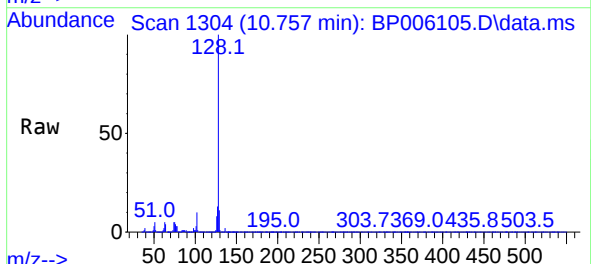
Manual Integrations
APPROVED

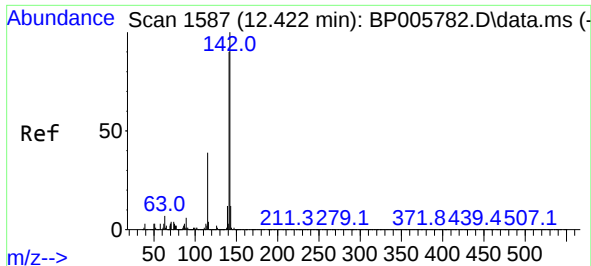
mohammad
6/30/2021 2:14:09 PM



#31
Naphthalene
Concen: 4.798 ng
RT: 10.757 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

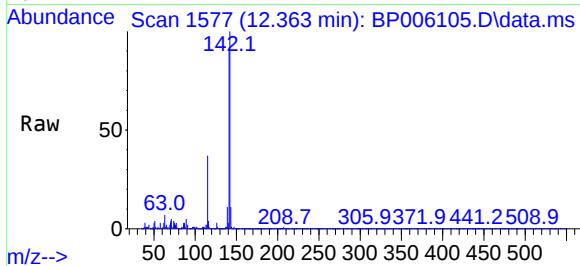
Tgt Ion:	128	Resp:	160496
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.0	13.6
127	12.9	10.7	16.1





#37
2-Methylnaphthalene
Concen: 2.375 ng
RT: 12.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

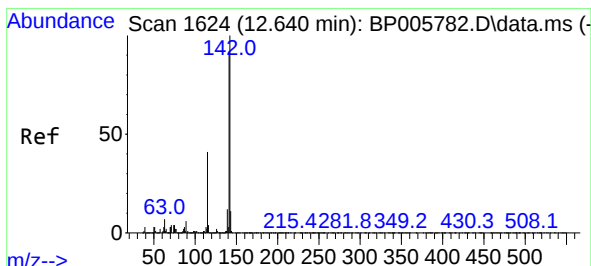
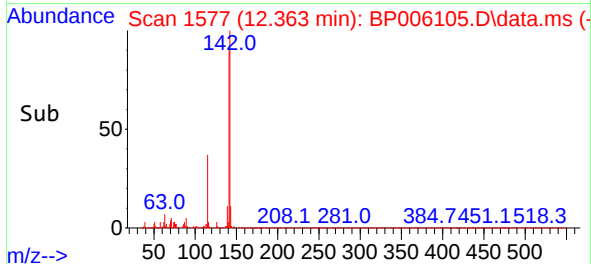
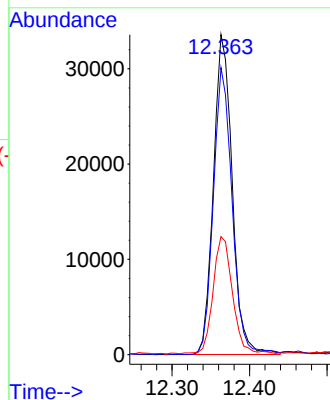
Instrument :
BNA_P
ClientSampled :
RBR-24



Tgt Ion:142 Resp: 56551
Ion Ratio Lower Upper
142 100
141 89.7 71.8 107.6
115 36.9 31.6 47.4

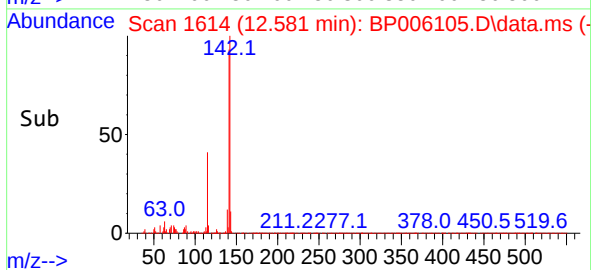
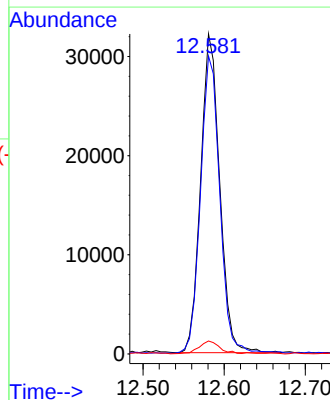
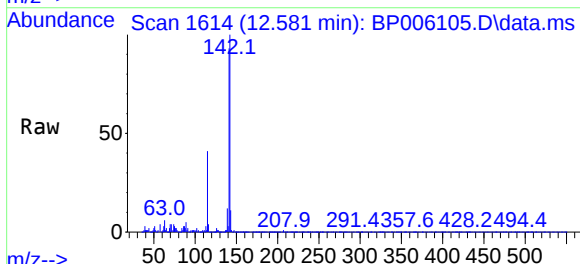
Manual Integrations
APPROVED

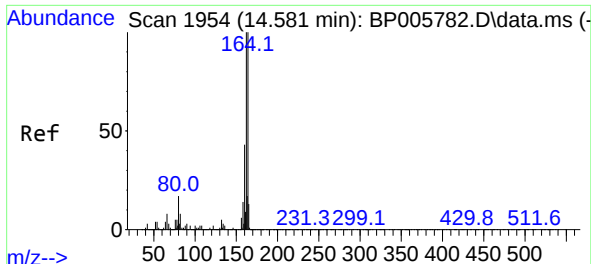
mohammad
6/30/2021 2:14:09 PM



#38
1-Methylnaphthalene
Concen: 2.336 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

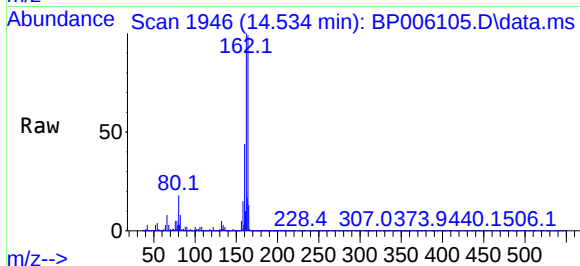
Tgt Ion:142 Resp: 52391
Ion Ratio Lower Upper
142 100
141 93.1 73.3 109.9
116 4.0 3.5 5.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. -0.000 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

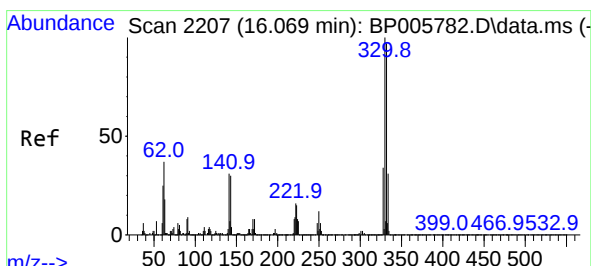
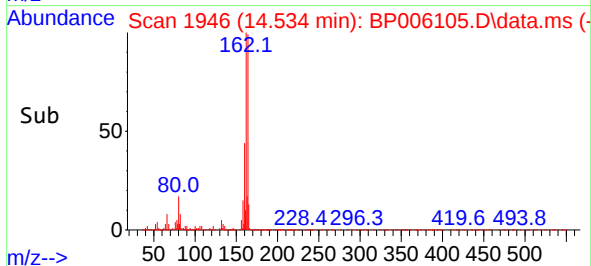
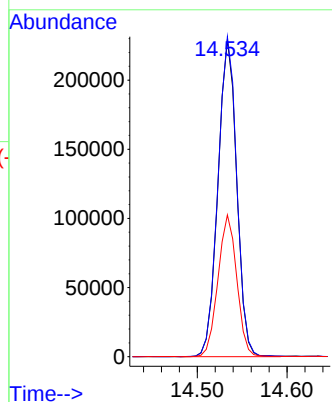
Instrument :
BNA_P
ClientSampled :
RBR-24



Tgt Ion:164 Resp: 332488
Ion Ratio Lower Upper
164 100
162 101.0 80.2 120.2
160 44.7 34.5 51.7

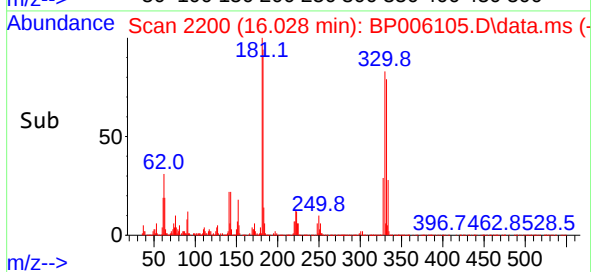
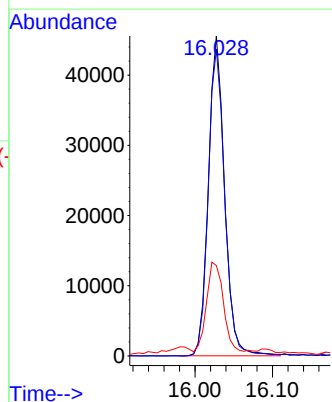
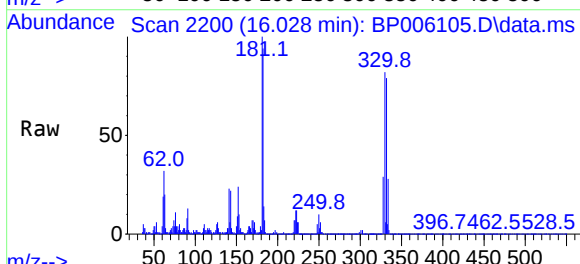
Manual Integrations
APPROVED

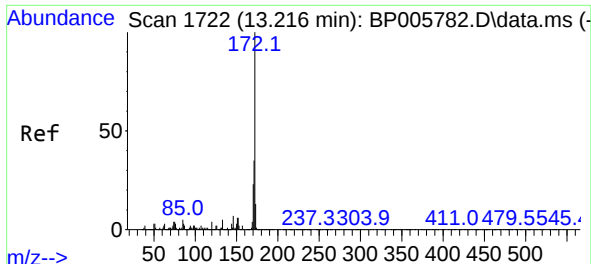
mohammad
6/30/2021 2:14:09 PM



#42
2,4,6-Tribromophenol
Concen: 11.622 ng
RT: 16.028 min Scan# 2200
Delta R.T. -0.000 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

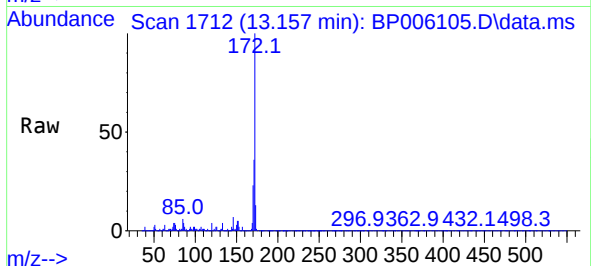
Tgt Ion:330 Resp: 66314
Ion Ratio Lower Upper
330 100
332 97.3 77.8 116.8
141 30.4 25.4 38.2





#45
2-Fluorobiphenyl
Concen: 9.474 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.006 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

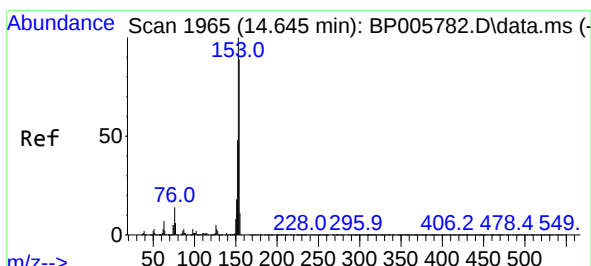
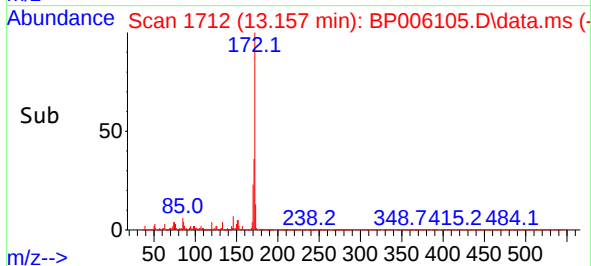
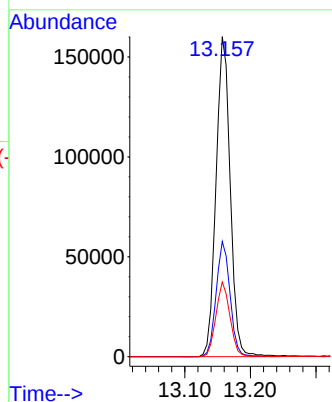
Instrument :
BNA_P
ClientSampled :
RBR-24



Tgt Ion:172 Resp: 239893
Ion Ratio Lower Upper
172 100
171 36.0 27.9 41.9
170 23.3 18.6 27.8

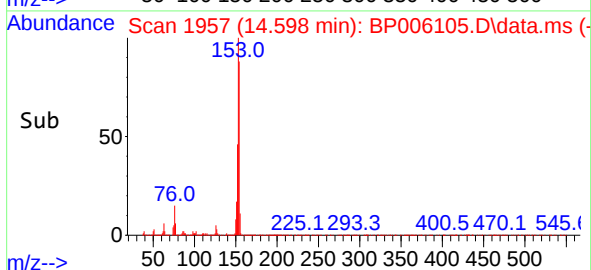
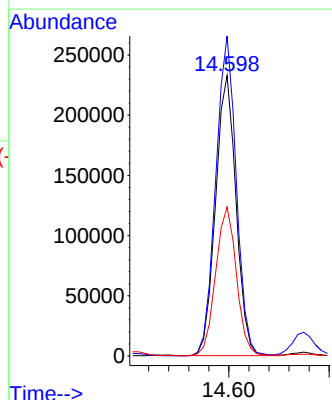
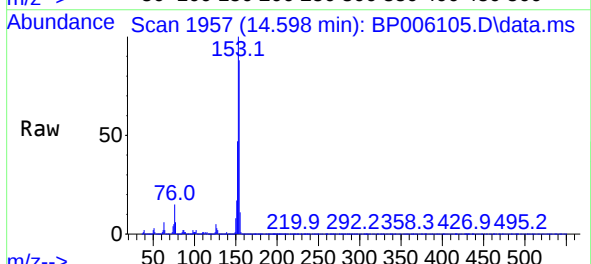
Manual Integrations
APPROVED

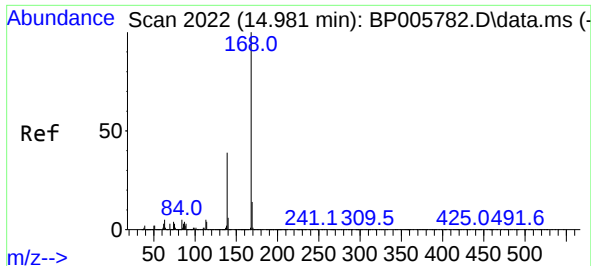
mohammad
6/30/2021 2:14:09 PM



#52
Acenaphthene
Concen: 16.174 ng
RT: 14.598 min Scan# 1957
Delta R.T. -0.000 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

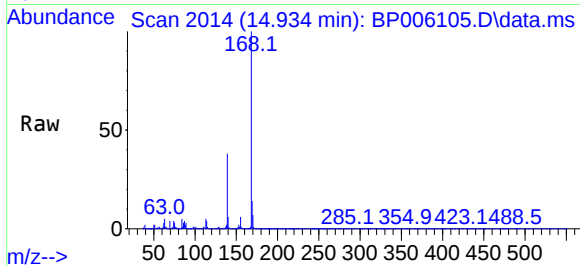
Tgt Ion:154 Resp: 329866
Ion Ratio Lower Upper
154 100
153 114.2 89.4 134.2
152 53.2 43.0 64.4





#55
Dibenzenofuran
Concen: 8.579 ng
RT: 14.934 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

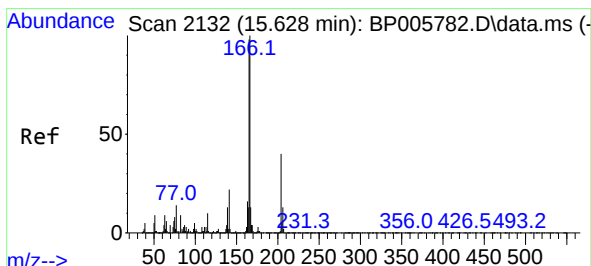
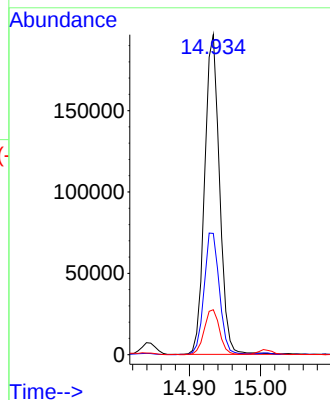
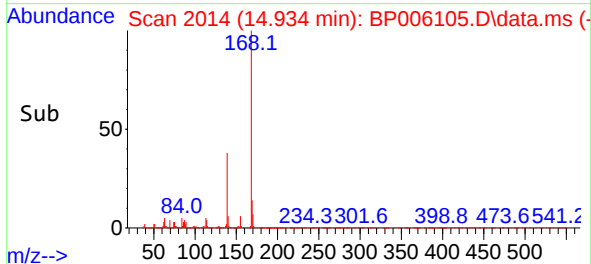
Instrument :
BNA_P
ClientSampled :
RBR-24



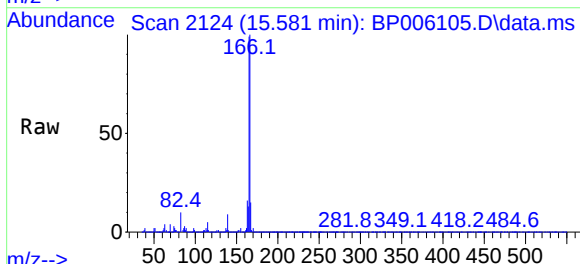
Tgt Ion:168 Resp: 287747
Ion Ratio Lower Upper
168 100
139 37.9 31.0 46.6
169 14.1 10.8 16.2

Manual Integrations
APPROVED

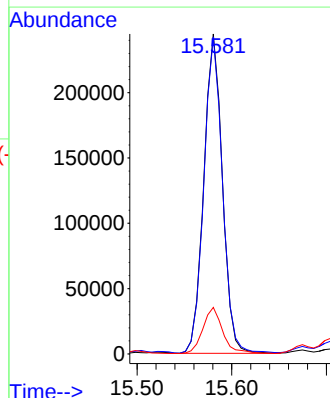
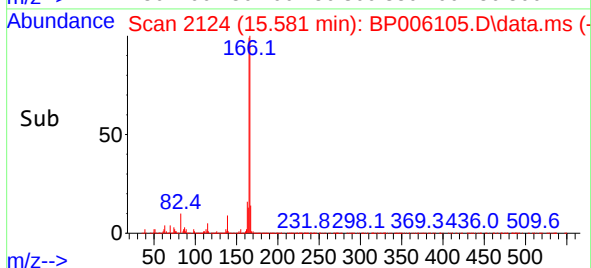
mohammad
6/30/2021 2:14:09 PM

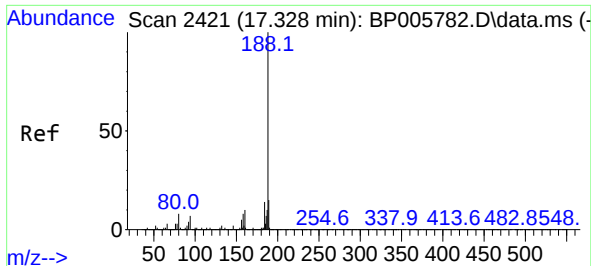


#58
Fluorene
Concen: 12.764 ng
RT: 15.581 min Scan# 2124
Delta R.T. -0.000 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10



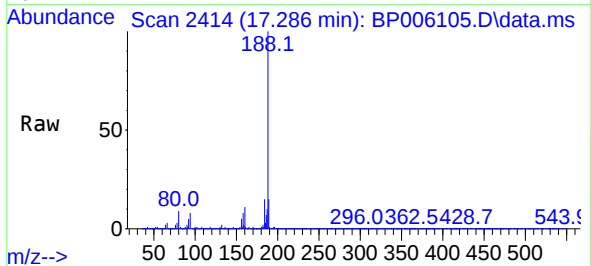
Tgt Ion:166 Resp: 333566
Ion Ratio Lower Upper
166 100
165 99.1 78.0 117.0
167 14.5 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.286 min Scan# 2414
Delta R.T. 0.006 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

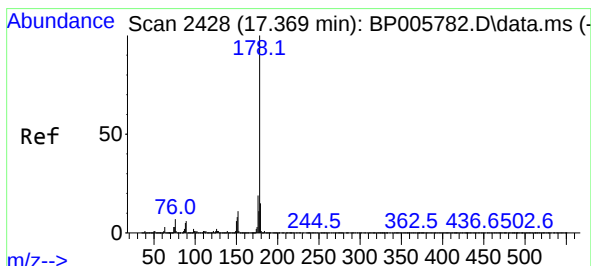
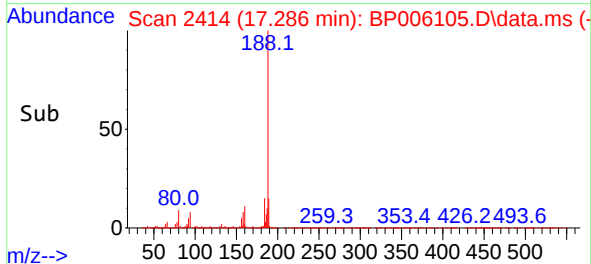
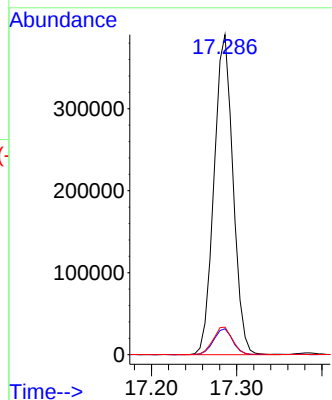
Instrument :
BNA_P
ClientSampled :
RBR-24



Tgt Ion:188 Resp: 603258
Ion Ratio Lower Upper
188 100
94 8.1 5.6 8.4
80 8.6 6.3 9.5

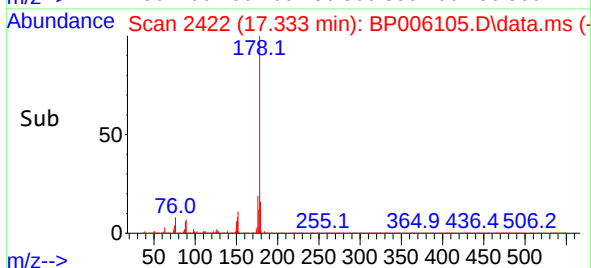
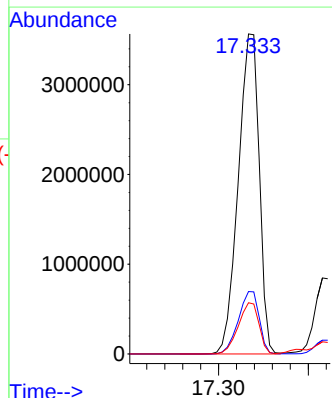
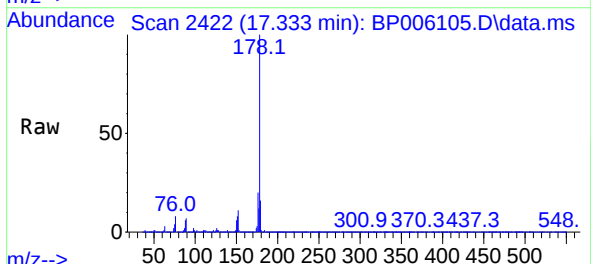
Manual Integrations
APPROVED

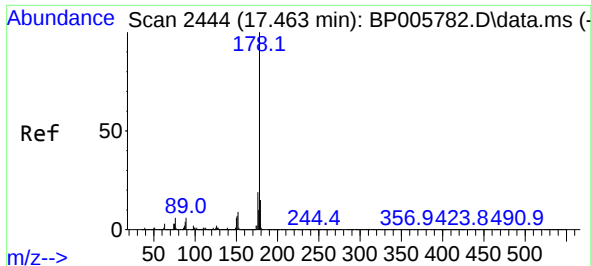
mohammad
6/30/2021 2:14:09 PM



#71
Phenanthrene
Concen: 159.437 ng
RT: 17.333 min Scan# 2422
Delta R.T. 0.006 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

Tgt Ion:178 Resp: 5776115
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 16.0 12.4 18.6



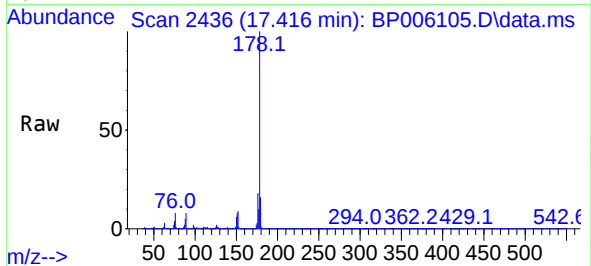


#72
 Anthracene
 Concen: 34.968 ng
 RT: 17.416 min Scan# 2436
 Delta R.T. -0.000 min
 Lab File: BP006105.D
 Acq: 29 Jun 2021 23:10

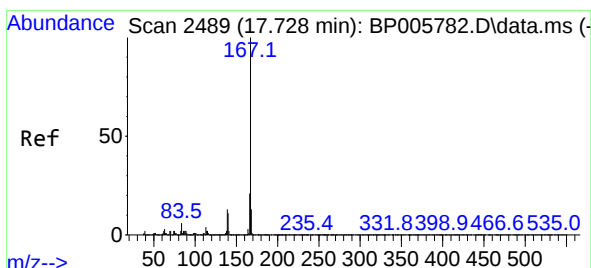
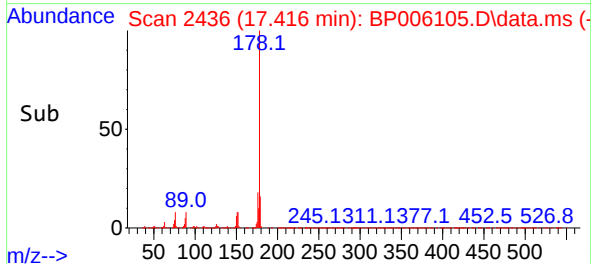
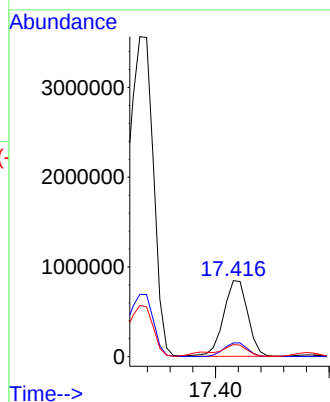
Instrument :
 BNA_P
 ClientSampled :
 RBR-24

Manual Integrations
 APPROVED

mohammad
 6/30/2021 2:14:09 PM

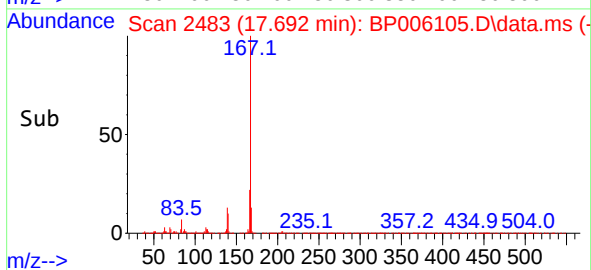
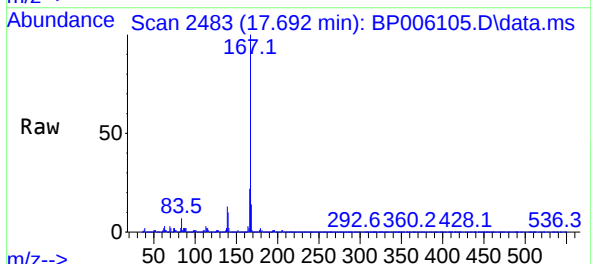
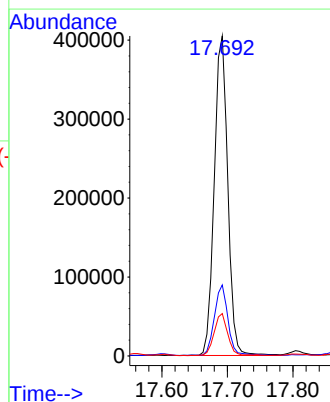


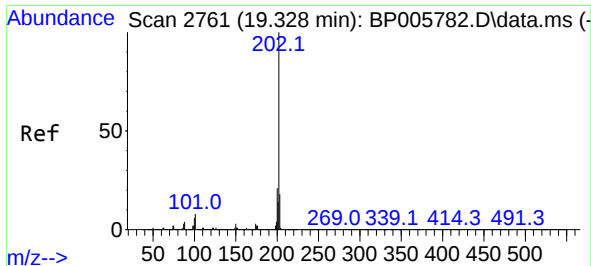
Tgt Ion:178 Resp: 1246799
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.9 22.3
 179 15.9 12.2 18.2



#73
 Carbazole
 Concen: 16.892 ng
 RT: 17.692 min Scan# 2483
 Delta R.T. -0.000 min
 Lab File: BP006105.D
 Acq: 29 Jun 2021 23:10

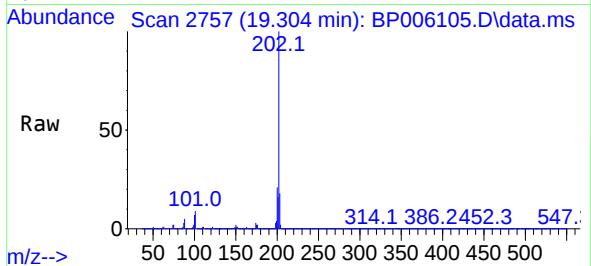
Tgt Ion:167 Resp: 578248
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.1 25.7
 139 13.3 10.7 16.1





#75
Fluoranthene
Concen: 172.556 ng
RT: 19.304 min Scan# 2757
Delta R.T. 0.018 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

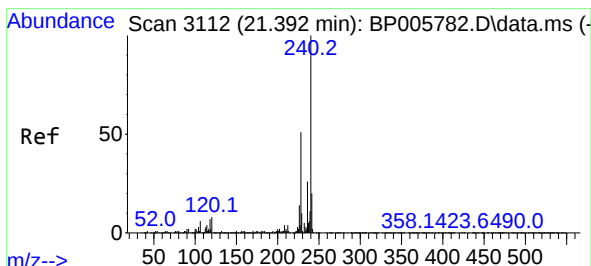
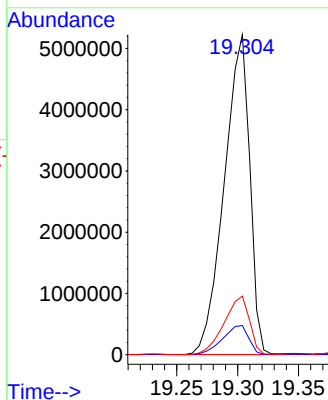
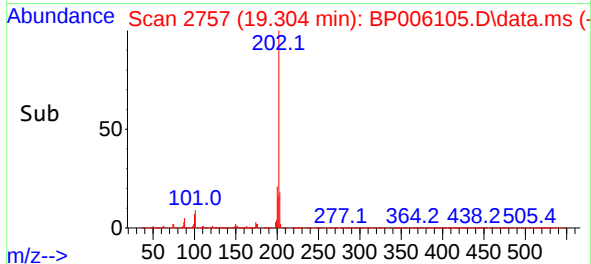
Instrument :
BNA_P
ClientSampled :
RBR-24



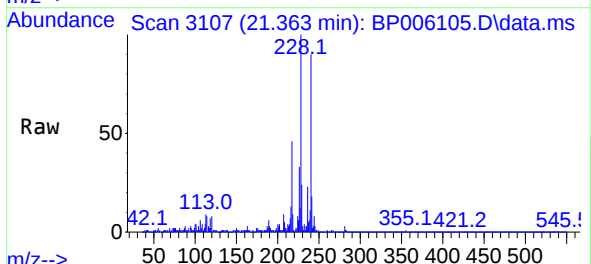
Tgt Ion:202 Resp: 7591828
Ion Ratio Lower Upper
202 100
101 9.1 0.0 27.6
203 18.3 0.0 37.8

Manual Integrations
APPROVED

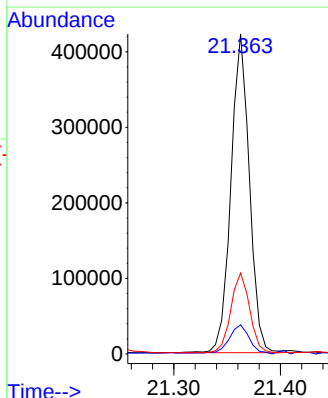
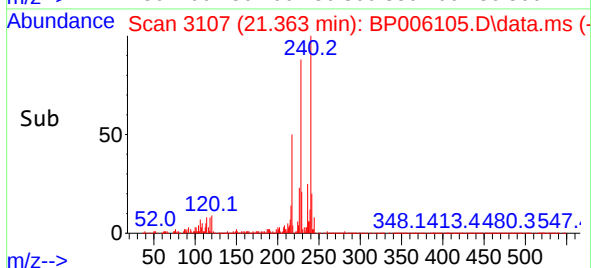
mohammad
6/30/2021 2:14:09 PM

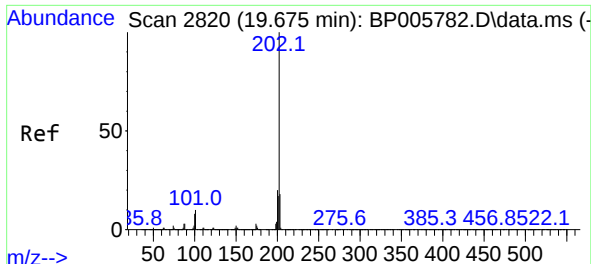


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.363 min Scan# 3107
Delta R.T. 0.006 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10



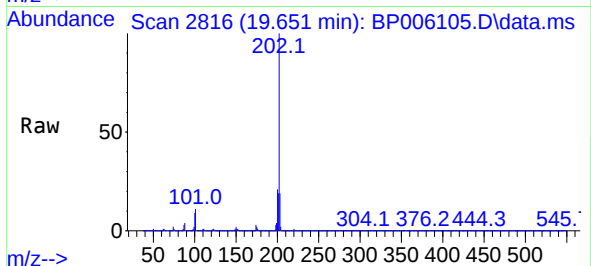
Tgt Ion:240 Resp: 507687
Ion Ratio Lower Upper
240 100
120 9.1 6.5 9.7
236 25.3 20.6 31.0





#78
Pyrene
Concen: 186.979 ng
RT: 19.651 min Scan# 2816
Delta R.T. 0.012 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

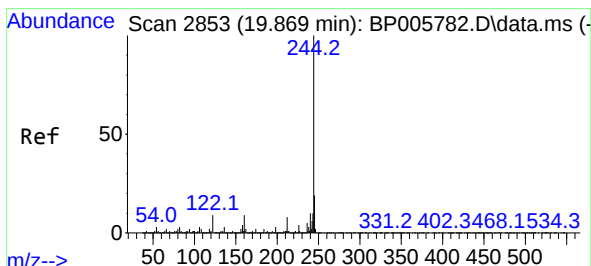
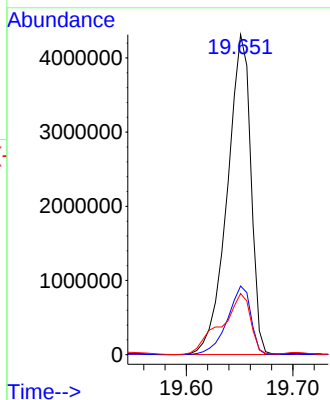
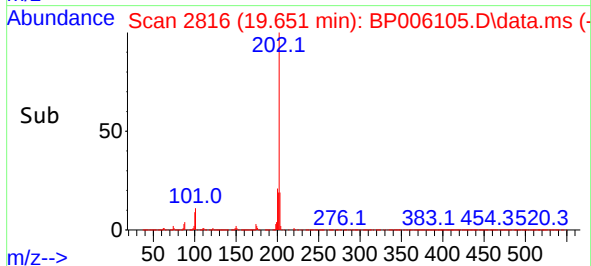
Instrument :
BNA_P
ClientSampled :
RBR-24



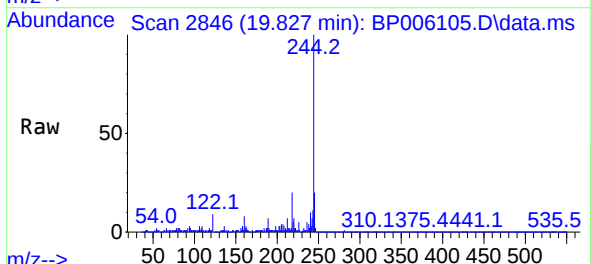
Tgt Ion:202 Resp: 6627002
Ion Ratio Lower Upper
202 100
200 21.4 16.3 24.5
203 19.1 14.2 21.2

Manual Integrations
APPROVED

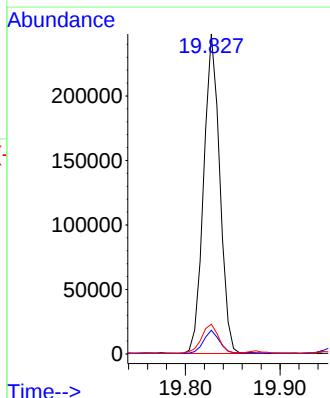
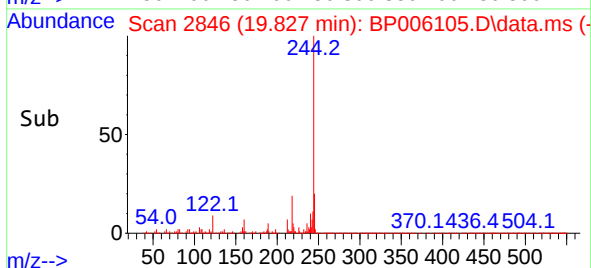
mohammad
6/30/2021 2:14:09 PM

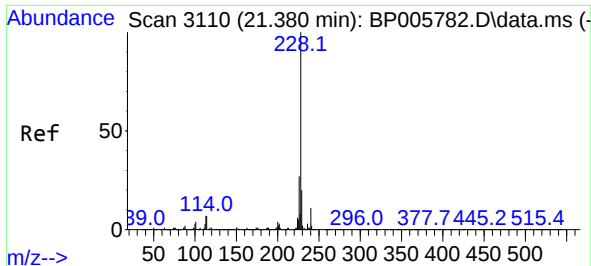


#79
Terphenyl-d14
Concen: 10.764 ng
RT: 19.827 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10



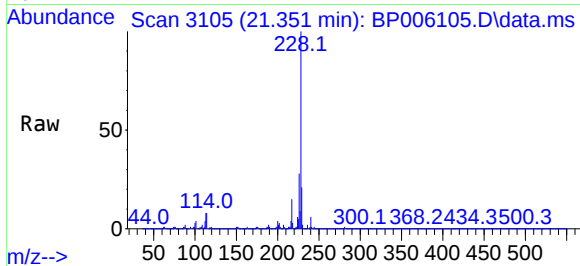
Tgt Ion:244 Resp: 291837
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 9.3 7.1 10.7





#81
Benzo(a)anthracene
Concen: 93.278 ng
RT: 21.351 min Scan# 3105
Delta R.T. 0.012 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

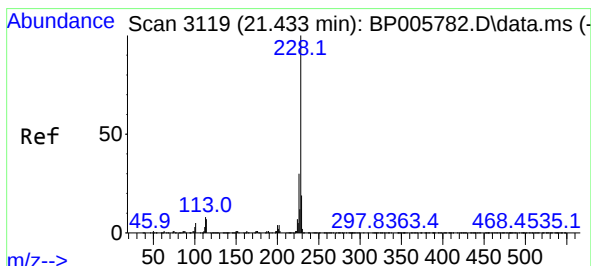
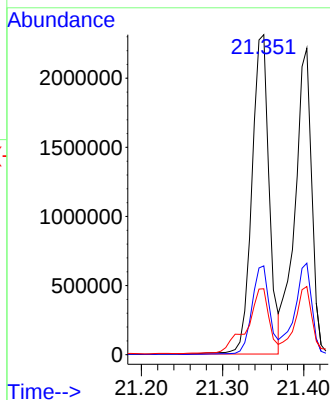
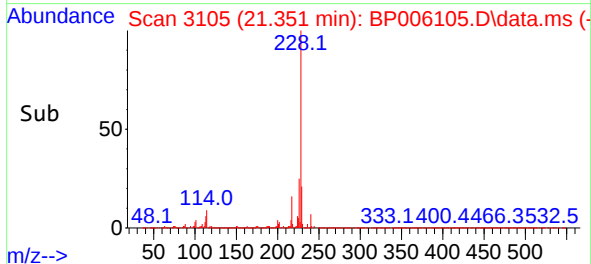
Instrument :
BNA_P
ClientSampled :
RBR-24



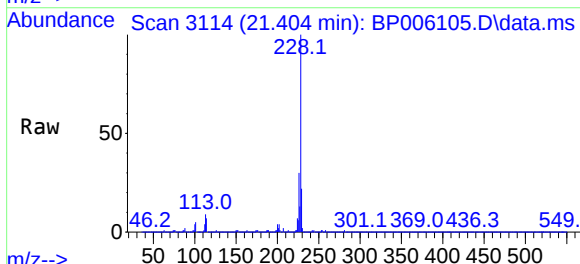
Tgt Ion:228 Resp: 3418404
Ion Ratio Lower Upper
228 100
226 27.7 21.6 32.4
229 20.6 15.8 23.6

Manual Integrations
APPROVED

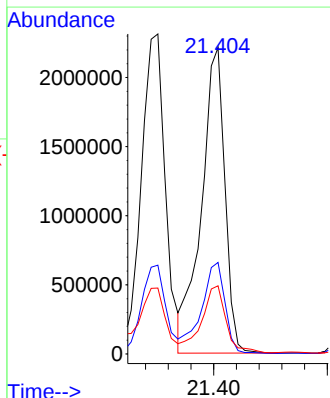
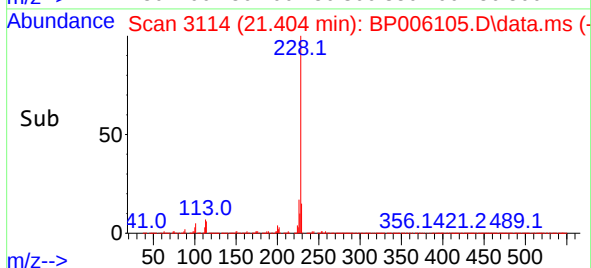
mohammad
6/30/2021 2:14:09 PM

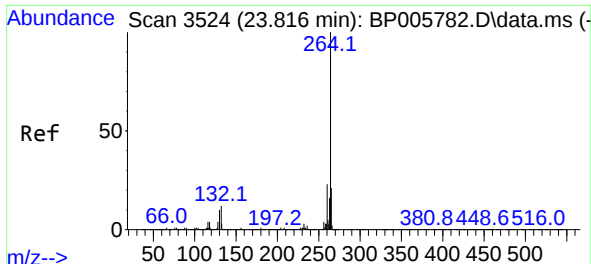


#83
Chrysene
Concen: 89.488 ng
RT: 21.404 min Scan# 3114
Delta R.T. 0.012 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10



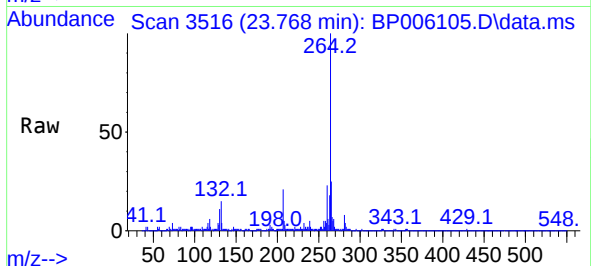
Tgt Ion:228 Resp: 3176424
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.6
229 22.3 15.4 23.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.768 min Scan# 3516
Delta R.T. 0.012 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

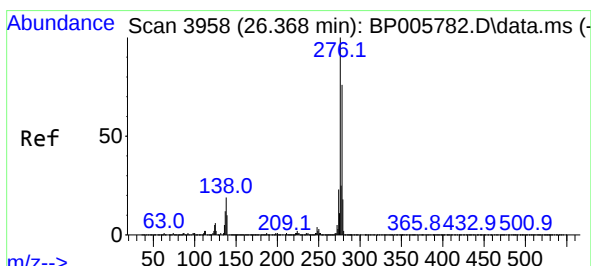
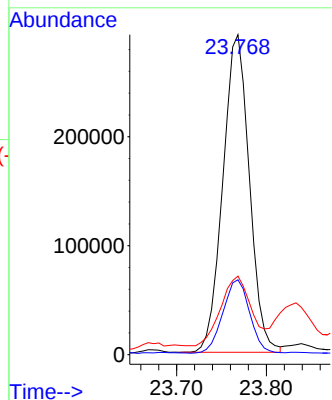
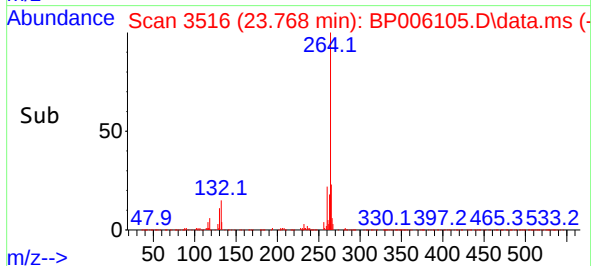
Instrument :
BNA_P
ClientSampled :
RBR-24



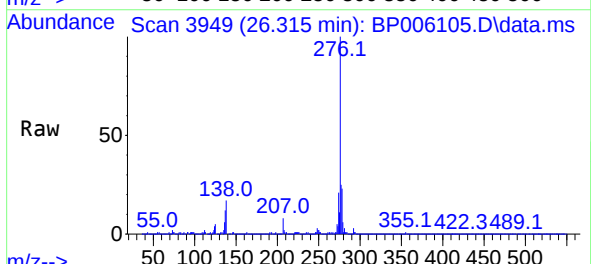
Tgt Ion:264 Resp: 597359
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 24.5 17.6 26.4

Manual Integrations
APPROVED

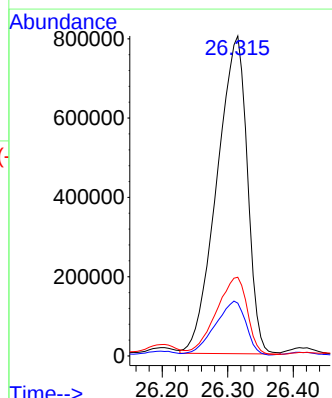
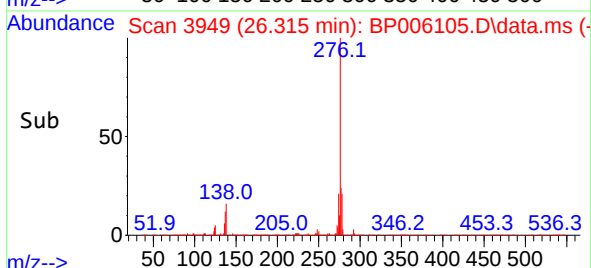
mohammad
6/30/2021 2:14:09 PM

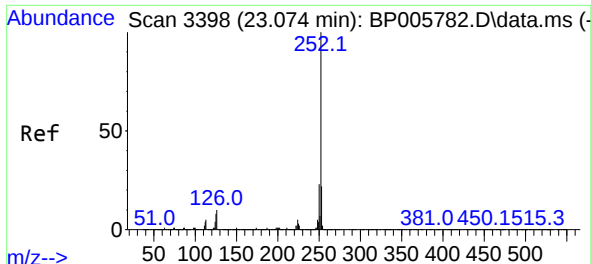


#87
Indeno(1,2,3-cd)pyrene
Concen: 50.519 ng
RT: 26.315 min Scan# 3949
Delta R.T. 0.023 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10



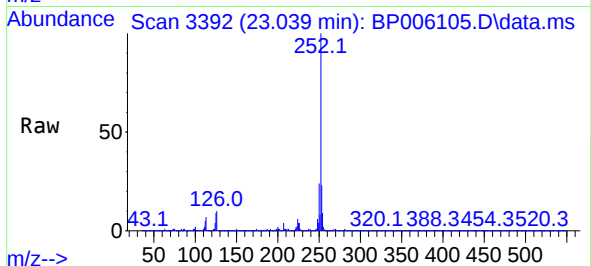
Tgt Ion:276 Resp: 2580685
Ion Ratio Lower Upper
276 100
138 17.3 15.3 22.9
277 24.8 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 110.417 ng
RT: 23.039 min Scan# 3392
Delta R.T. 0.018 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

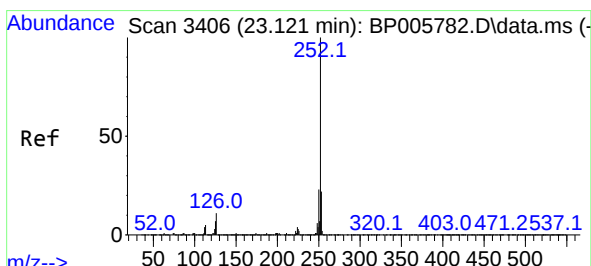
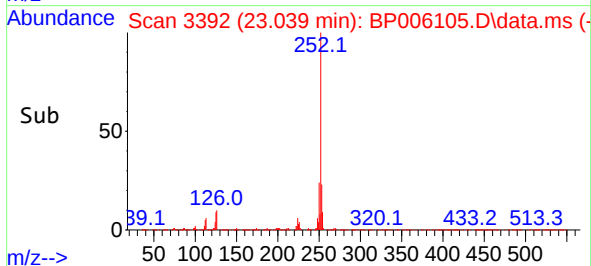
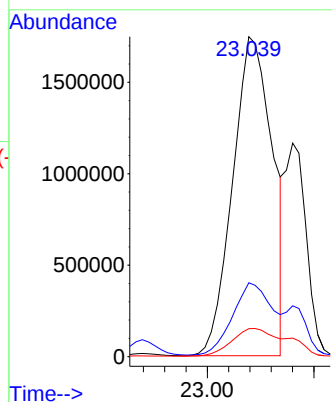
Instrument :
BNA_P
ClientSampled :
RBR-24



Tgt Ion:252 Resp: 4517605
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 8.7 6.2 9.4

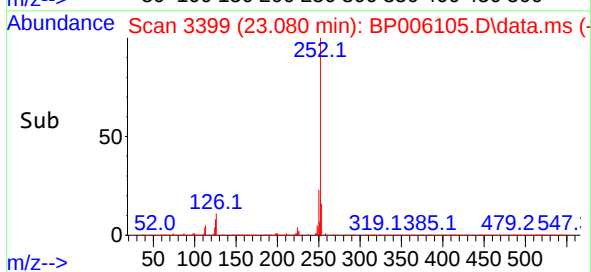
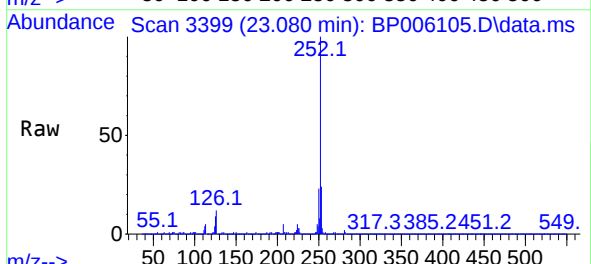
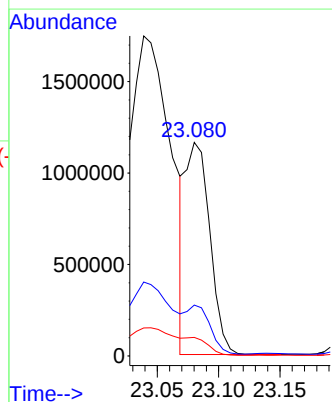
Manual Integrations
APPROVED

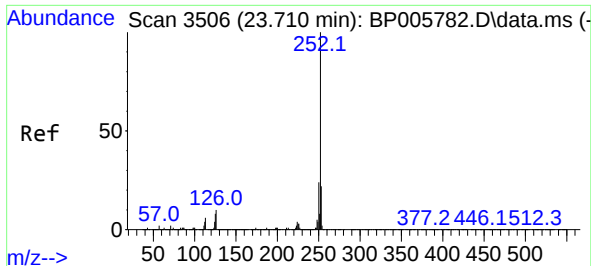
mohammad
6/30/2021 2:14:09 PM



#89
Benzo(k)fluoranthene
Concen: 40.174 ng m
RT: 23.080 min Scan# 3399
Delta R.T. 0.012 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

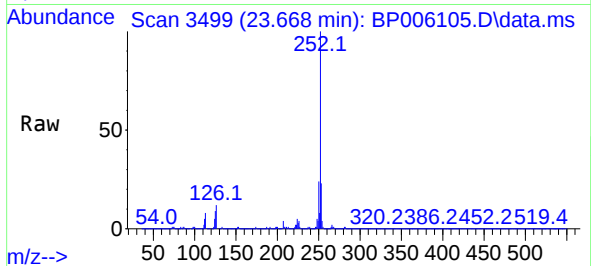
Tgt Ion:252 Resp: 1593854
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 8.7 6.0 9.0





#90
Benzo(a)pyrene
Concen: 87.987 ng
RT: 23.668 min Scan# 3499
Delta R.T. 0.018 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

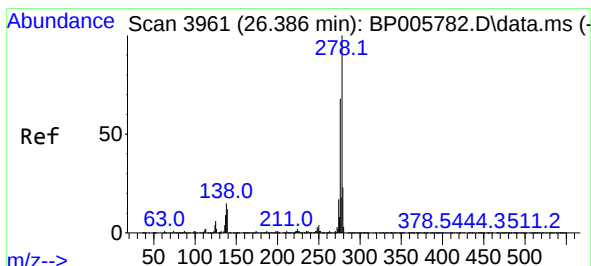
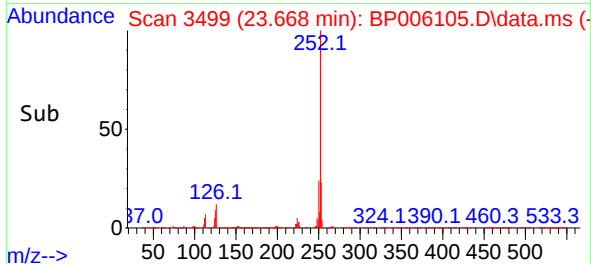
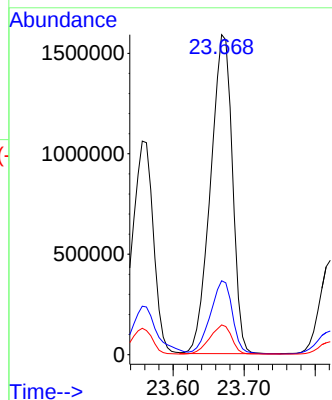
Instrument :
BNA_P
ClientSampled :
RBR-24



Tgt Ion:252 Resp: 3384452
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 9.3 6.5 9.7

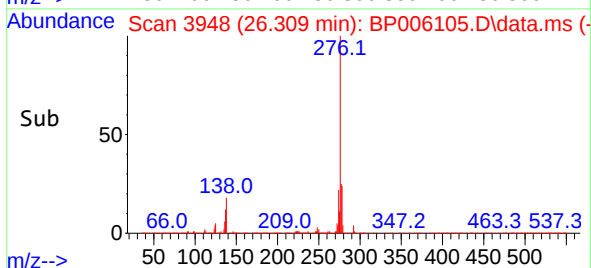
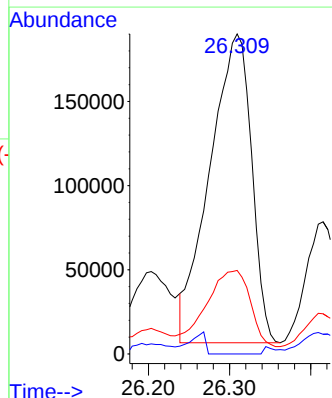
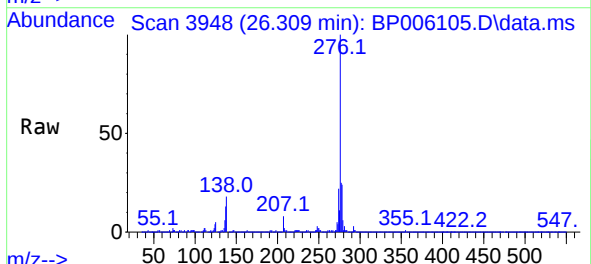
Manual Integrations
APPROVED

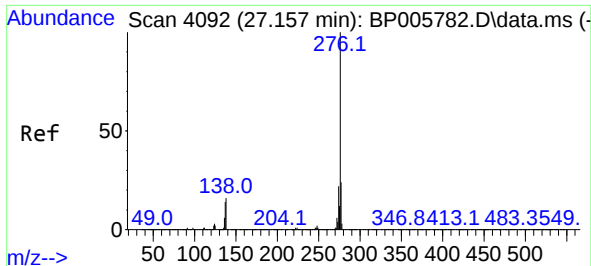
mohammad
6/30/2021 2:14:09 PM



#91
Dibenzo(a,h)anthracene
Concen: 14.923 ng
RT: 26.309 min Scan# 3948
Delta R.T. 0.012 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

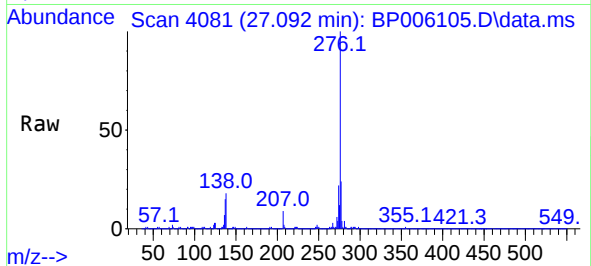
Tgt Ion:278 Resp: 656136
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 26.1 18.8 28.2





#92
Benzo(g,h,i)perylene
Concen: 57.246 ng
RT: 27.092 min Scan# 4081
Delta R.T. 0.029 min
Lab File: BP006105.D
Acq: 29 Jun 2021 23:10

Instrument :
BNA_P
ClientSampleId :
RBR-24



Tgt Ion:276 Resp: 2486398
Ion Ratio Lower Upper
276 100
277 24.2 18.9 28.3
138 17.6 12.6 18.8

Manual Integrations
APPROVED

mohammad
6/30/2021 2:14:09 PM

