

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
 Data File : BP007212.D
 Acq On : 27 Sep 2021 18:58
 Operator : CG/JU
 Sample : M3934-04 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-7

Manual Integrations
 APPROVED

mohammad
 9/28/2021 1:41:31 PM

Quant Time: Sep 28 02:50:58 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 23 11:17:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	238493	20.000	ng	-0.01
21) Naphthalene-d8	10.687	136	816552	20.000	ng	0.00
39) Acenaphthene-d10	14.516	164	458796	20.000	ng	-0.01
64) Phenanthrene-d10	17.269	188	953677	20.000	ng	0.00
76) Chrysene-d12	21.363	240	1050668	20.000	ng	0.00
86) Perylene-d12	23.780	264	1220501	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	625555	43.907	ng	0.00
7) Phenol-d6	7.057	99	709147	36.418	ng	0.00
23) Nitrobenzene-d5	9.046	82	408872	29.161	ng	-0.01
42) 2,4,6-Tribromophenol	16.010	330	301225	50.643	ng	0.00
45) 2-Fluorobiphenyl	13.140	172	935161	29.201	ng	-0.01
79) Terphenyl-d14	19.827	244	1335202	24.352	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.734	128	206285	4.950	ng	99
37) 2-Methylnaphthalene	12.345	142	140796	4.825	ng	95
38) 1-Methylnaphthalene	12.563	142	154053	5.403	ng	98
49) Acenaphthylene	14.239	152	665544	16.346	ng	99
52) Acenaphthene	14.581	154	252010	10.216	ng	99
55) Dibenzofuran	14.916	168	279220	6.784	ng	# 95
58) Fluorene	15.563	166	630487	19.829	ng	99
71) Phenanthrene	17.316	178	6372961	124.629	ng	98
72) Anthracene	17.404	178	1899444	37.972	ng	100
73) Carbazole	17.675	167	459015	9.364	ng	98
75) Fluoranthene	19.286	202	10329422	175.329	ng	97
78) Pyrene	19.639	202	9627683	139.667	ng	95
81) Benzo(a)anthracene	21.345	228	5225535	76.623	ng	96
83) Chrysene	21.398	228	4639621	71.182	ng	95
87) Indeno(1,2,3-cd)pyrene	26.321	276	3377695	38.509	ng	98
88) Benzo(b)fluoranthene	23.051	252	6150936	84.329	ng	97
89) Benzo(k)fluoranthene	23.086	252	2299308m	31.135	ng	
90) Benzo(a)pyrene	23.680	252	4997430	80.645	ng	98
91) Dibenzo(a,h)anthracene	26.327	278	830090	11.293	ng	# 84
92) Benzo(g,h,i)perylene	27.103	276	3292979	45.907	ng	97

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

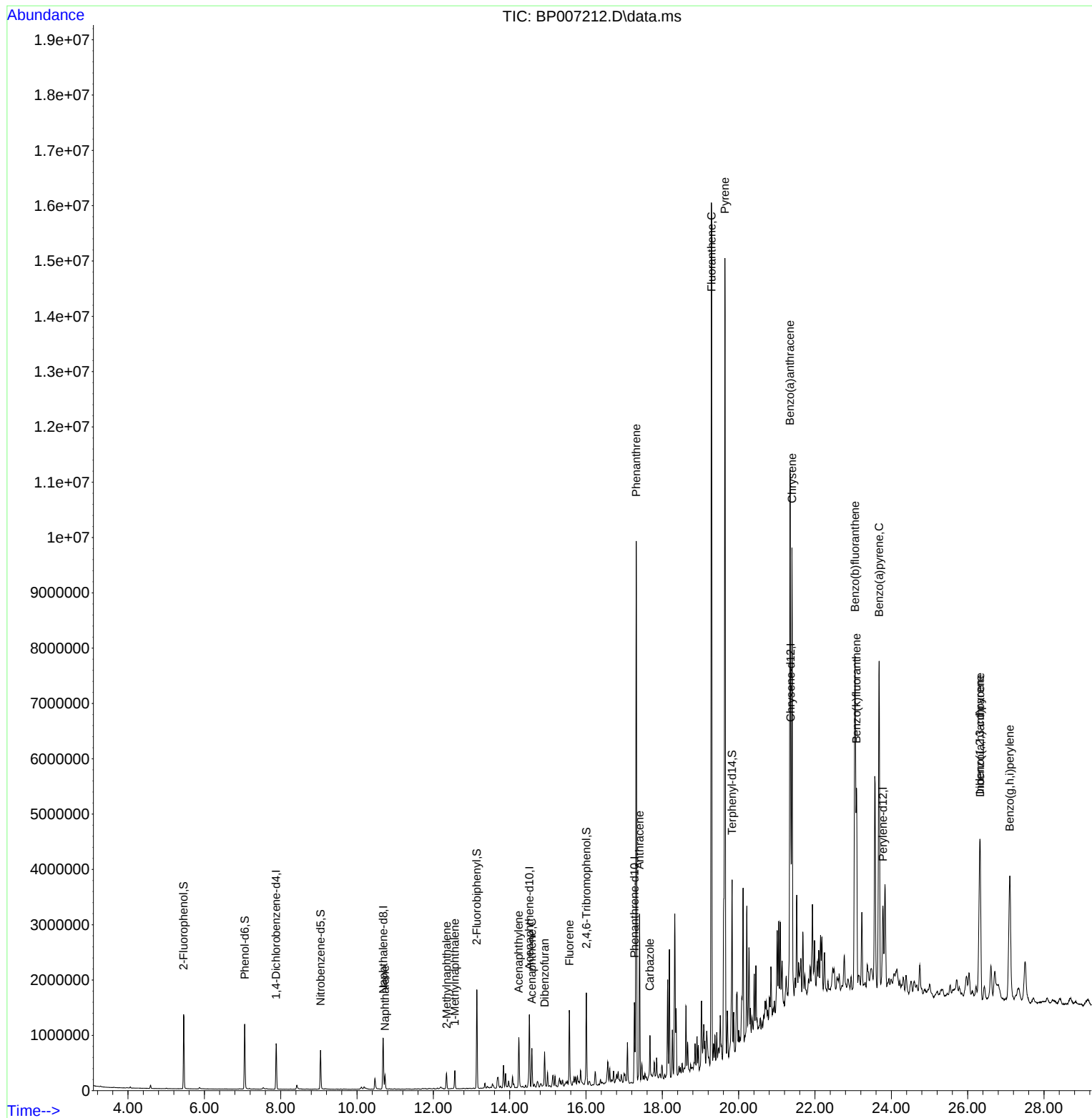
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007212.D
Acq On : 27 Sep 2021 18:58
Operator : CG/JU
Sample : M3934-04 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

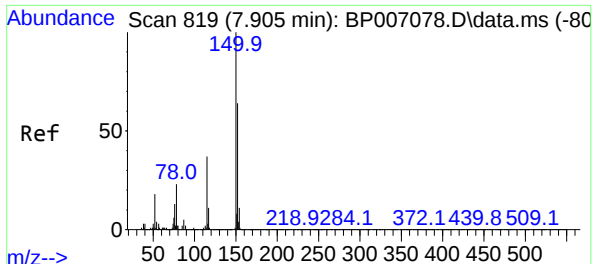
Instrument :
BNA_P
ClientSampleId :
TP-7

Manual Integrations
APPROVED

mohammad
9/28/2021 1:41:31 PM

Quant Time: Sep 28 02:50:58 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 23 11:17:25 2021
Response via : Initial Calibration





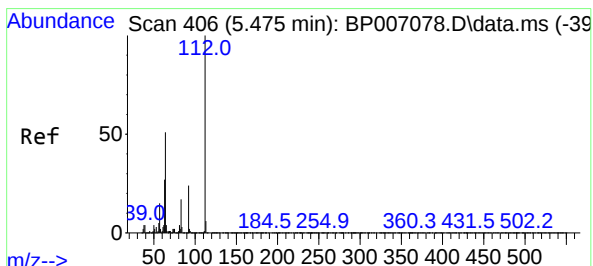
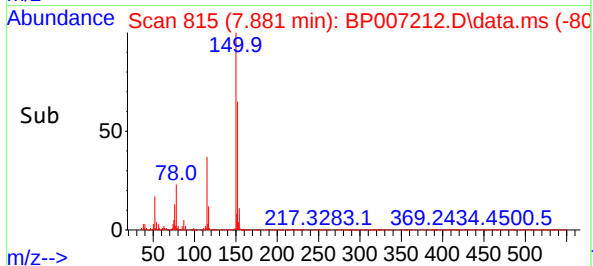
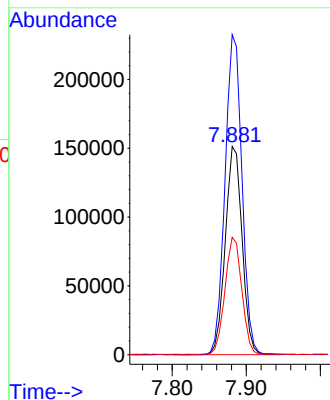
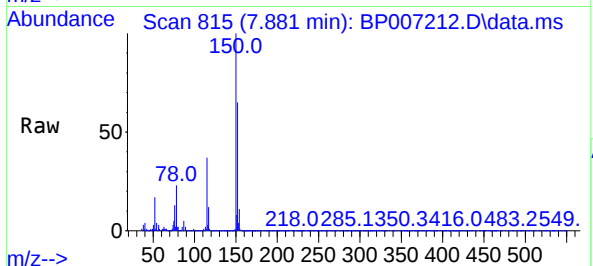
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 815
Delta R.T. -0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion:152 Resp: 238493
Ion Ratio Lower Upper
152 100
150 153.7 125.6 188.4
115 56.4 48.5 72.7

Instrument :
BNA_P
ClientSampleId :
TP-7

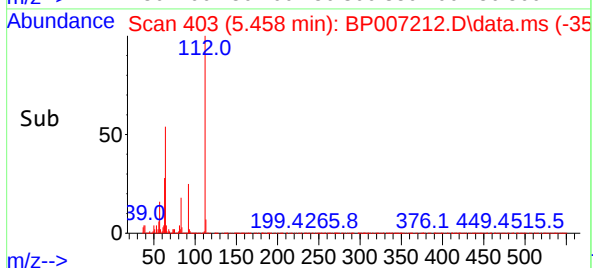
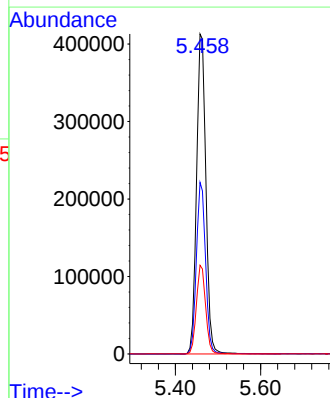
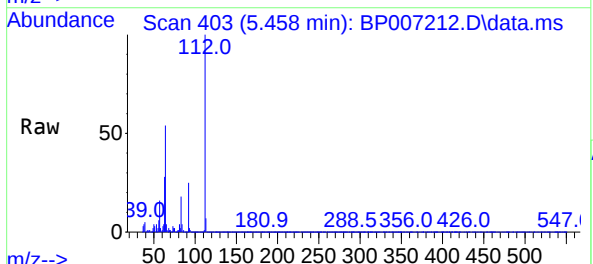
Manual Integrations
APPROVED

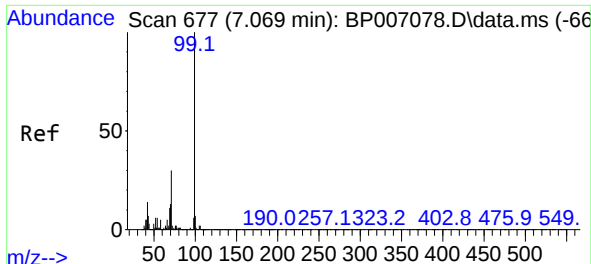
mohammad
9/28/2021 1:41:31 PM



#5
2-Fluorophenol
Concen: 43.907 ng
RT: 5.458 min Scan# 403
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

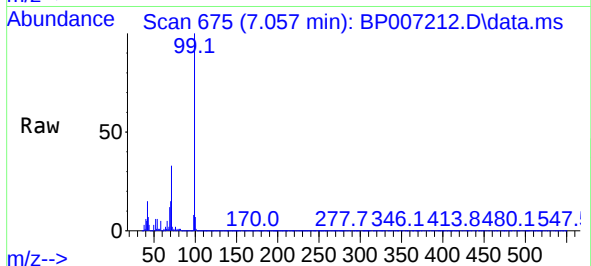
Tgt Ion:112 Resp: 625555
Ion Ratio Lower Upper
112 100
64 53.6 41.4 62.2
63 27.7 23.8 35.8





#7
Phenol-d6
Concen: 36.418 ng
RT: 7.057 min Scan# 675
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

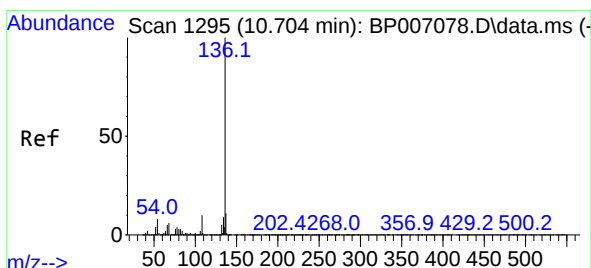
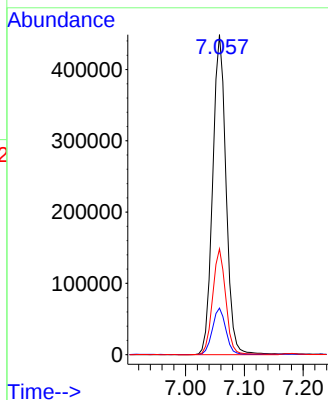
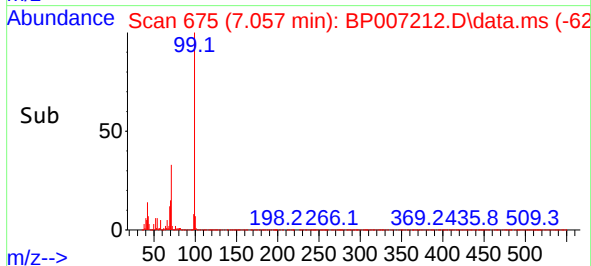
Instrument :
BNA_P
ClientSampled :
TP-7



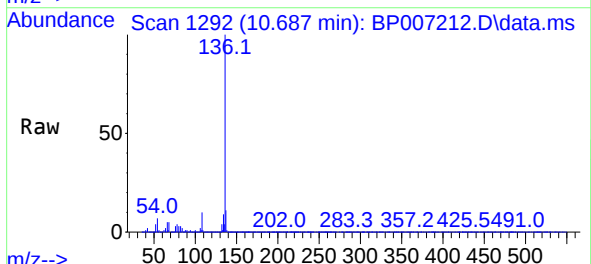
Tgt Ion: 99 Resp: 709147
Ion Ratio Lower Upper
99 100
42 14.6 13.4 20.0
71 33.0 30.6 46.0

Manual Integrations
APPROVED

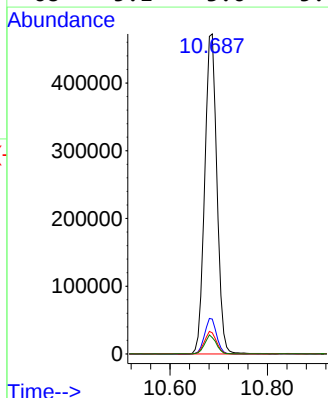
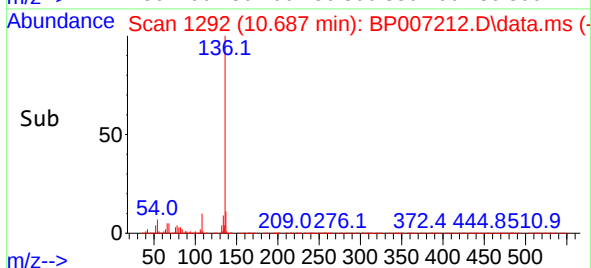
mohammad
9/28/2021 1:41:31 PM

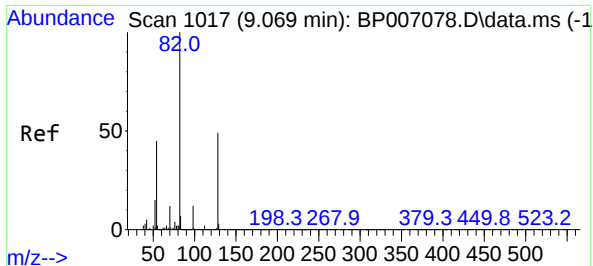


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.687 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58



Tgt Ion: 136 Resp: 816552
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.6 4.6 6.8
68 5.1 3.6 5.4





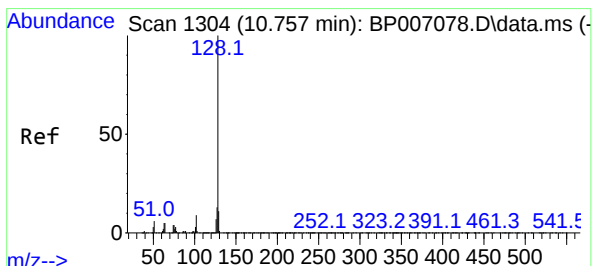
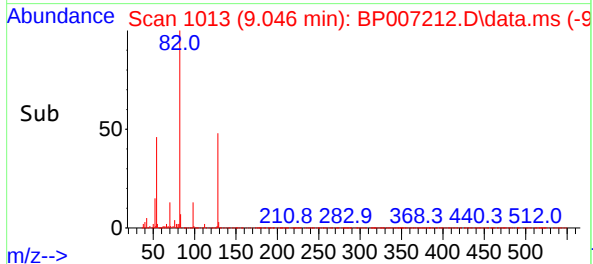
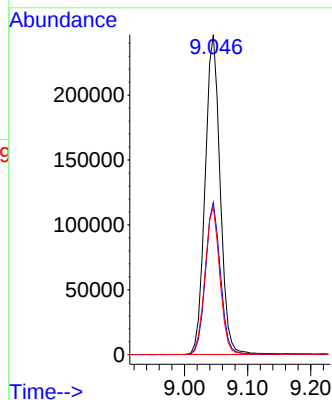
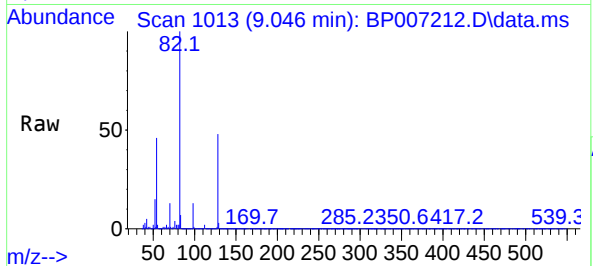
#23
Nitrobenzene-d5
Concen: 29.161 ng
RT: 9.046 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Tgt Ion: 82 Resp: 408872
Ion Ratio Lower Upper
82 100
128 47.5 35.7 53.5
54 46.1 35.0 52.4

Instrument :
BNA_P
ClientSampleId :
TP-7

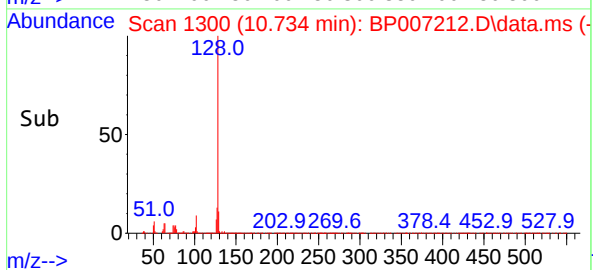
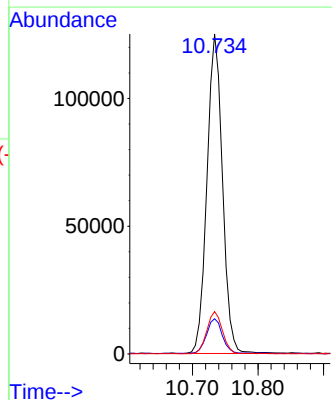
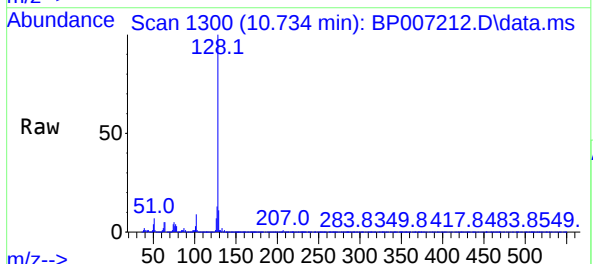
Manual Integrations
APPROVED

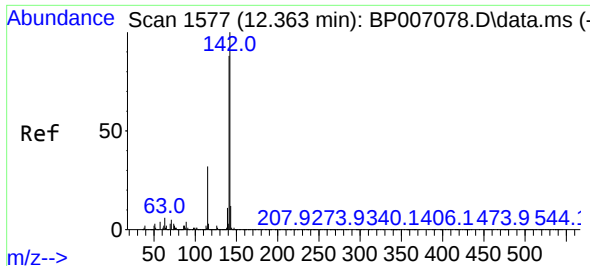
mohammad
9/28/2021 1:41:31 PM



#31
Naphthalene
Concen: 4.950 ng
RT: 10.734 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

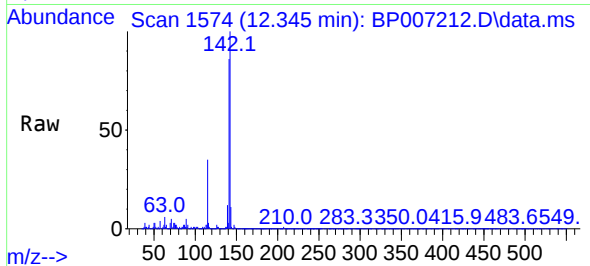
Tgt Ion: 128 Resp: 206285
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.2 10.7 16.1





#37
2-Methylnaphthalene
Concen: 4.825 ng
RT: 12.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

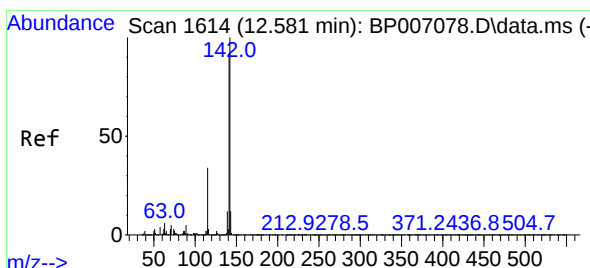
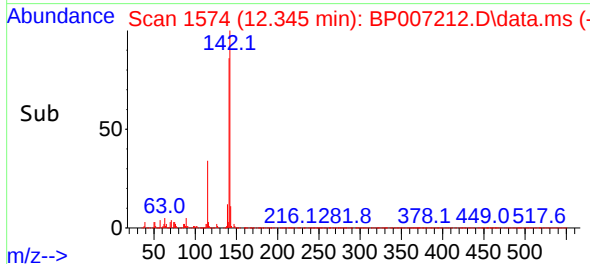
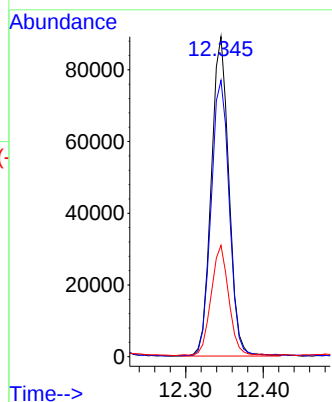
Instrument :
BNA_P
ClientSampled :
TP-7



Tgt Ion:142 Resp: 140796
Ion Ratio Lower Upper
142 100
141 86.3 71.8 107.6
115 34.8 31.6 47.4

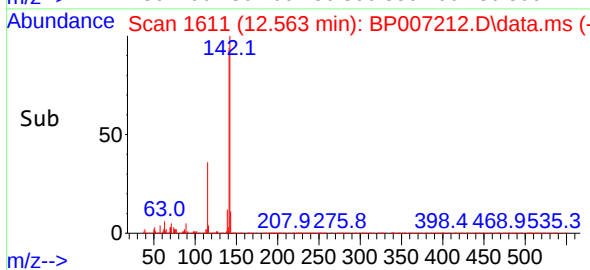
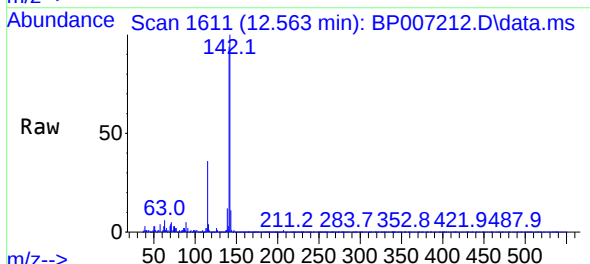
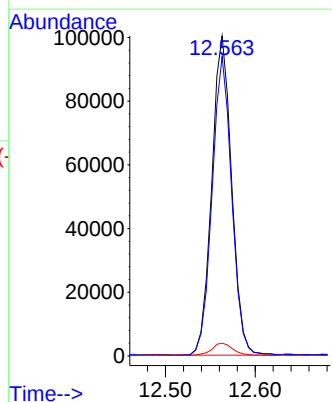
Manual Integrations
APPROVED

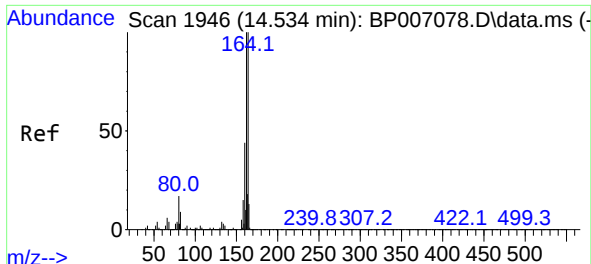
mohammad
9/28/2021 1:41:31 PM



#38
1-Methylnaphthalene
Concen: 5.403 ng
RT: 12.563 min Scan# 1611
Delta R.T. -0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

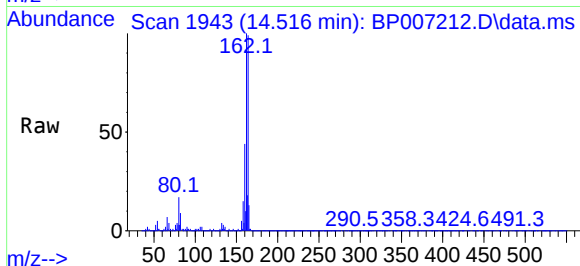
Tgt Ion:142 Resp: 154053
Ion Ratio Lower Upper
142 100
141 93.6 73.3 109.9
116 4.0 3.5 5.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

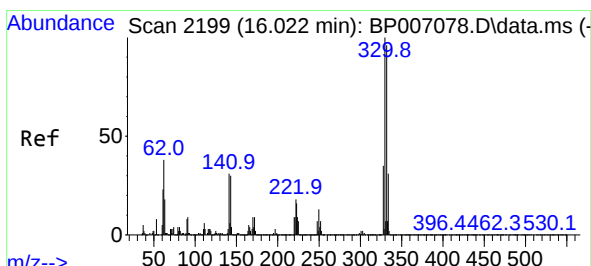
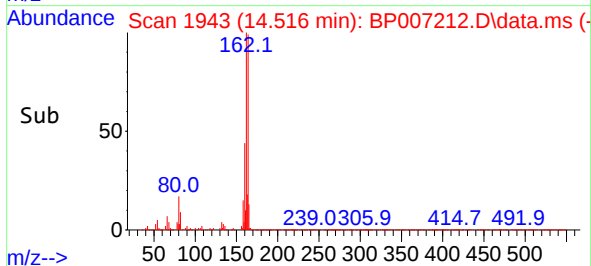
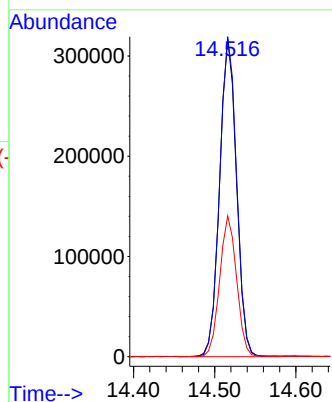
Instrument :
BNA_P
ClientSampleId :
TP-7



Tgt Ion:164 Resp: 458796
Ion Ratio Lower Upper
164 100
162 100.8 80.2 120.2
160 44.4 34.5 51.7

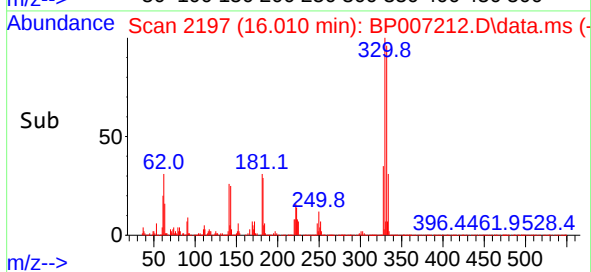
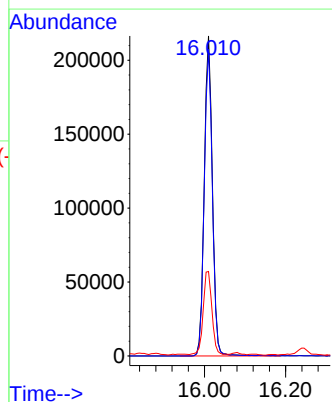
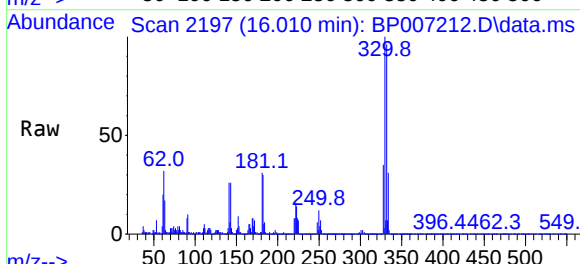
Manual Integrations
APPROVED

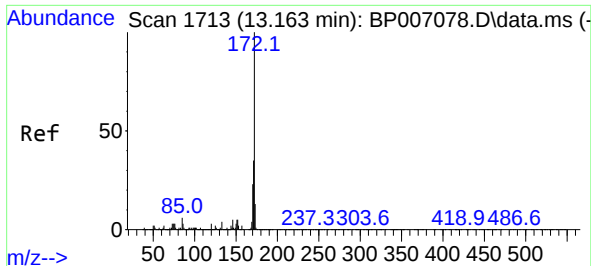
mohammad
9/28/2021 1:41:31 PM



#42
2,4,6-Tribromophenol
Concen: 50.643 ng
RT: 16.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

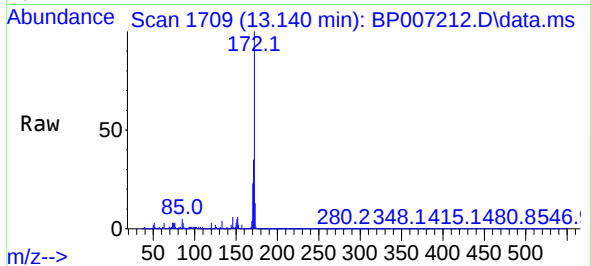
Tgt Ion:330 Resp: 301225
Ion Ratio Lower Upper
330 100
332 95.3 77.8 116.8
141 27.7 25.4 38.2





#45
2-Fluorobiphenyl
Concen: 29.201 ng
RT: 13.140 min Scan# 1709
Delta R.T. -0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

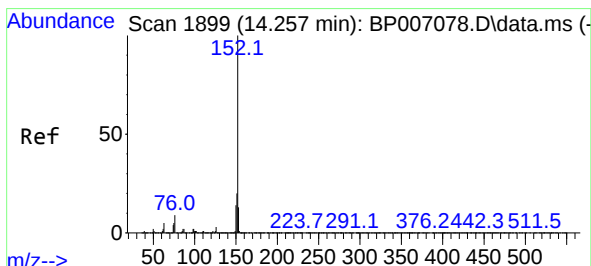
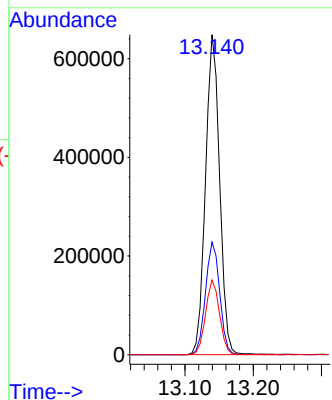
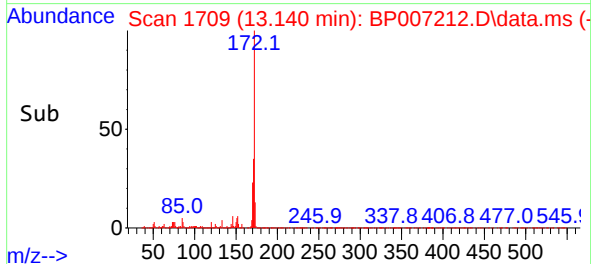
Instrument :
BNA_P
ClientSampleId :
TP-7



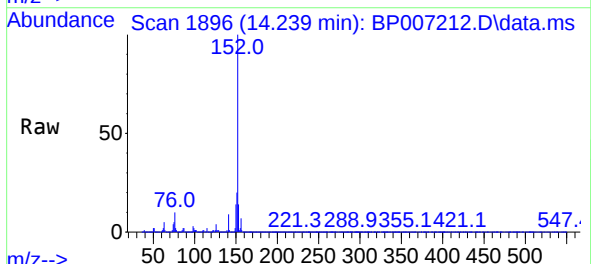
Tgt Ion:172 Resp: 935161
Ion Ratio Lower Upper
172 100
171 35.1 27.9 41.9
170 23.3 18.6 27.8

Manual Integrations
APPROVED

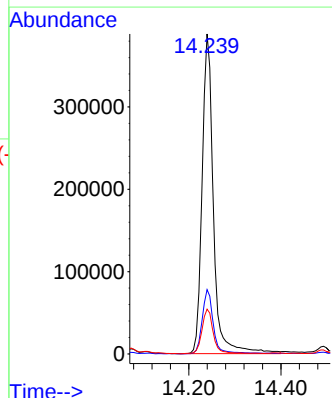
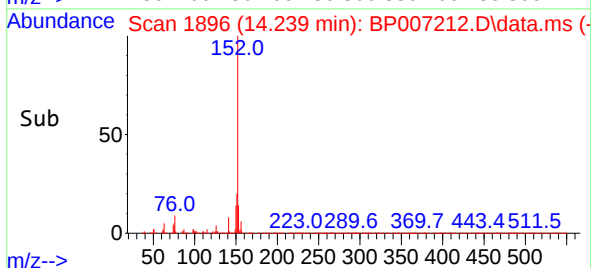
mohammad
9/28/2021 1:41:31 PM

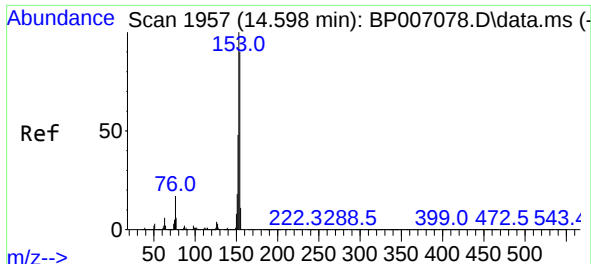


#49
Acenaphthylene
Concen: 16.346 ng
RT: 14.239 min Scan# 1896
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58



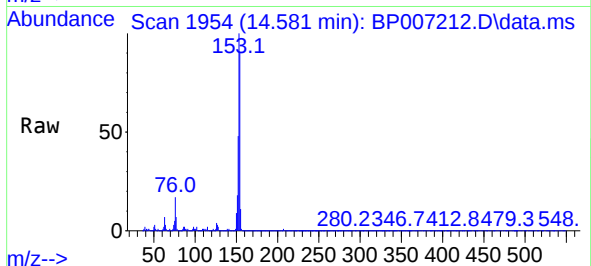
Tgt Ion:152 Resp: 665544
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 14.0 10.6 16.0





#52
Acenaphthene
Concen: 10.216 ng
RT: 14.581 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

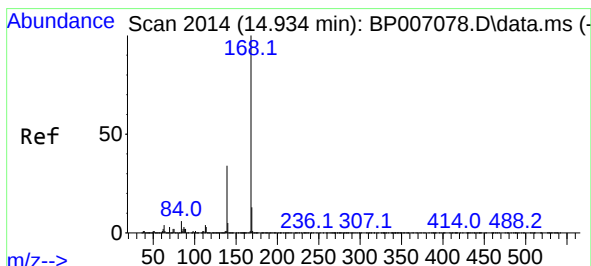
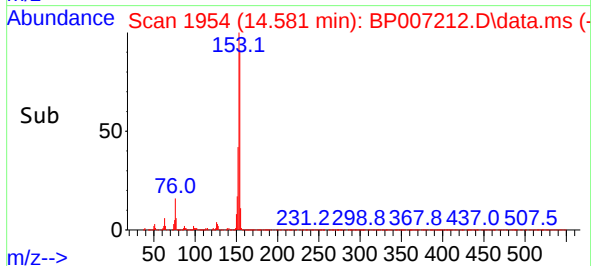
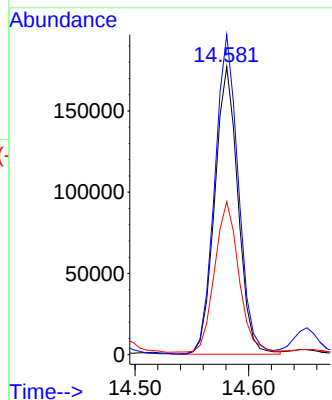
Instrument :
BNA_P
ClientSampled :
TP-7



Tgt Ion:154 Resp: 252010
Ion Ratio Lower Upper
154 100
153 111.1 89.4 134.2
152 53.1 43.0 64.4

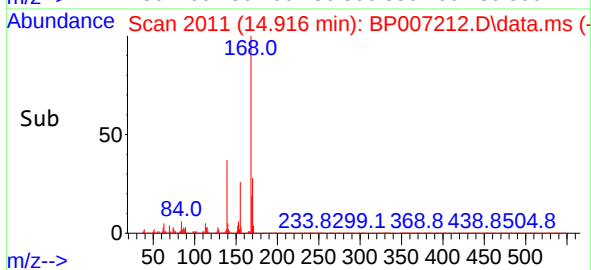
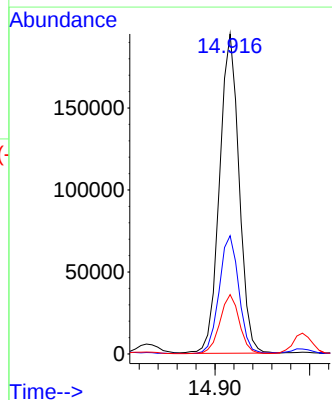
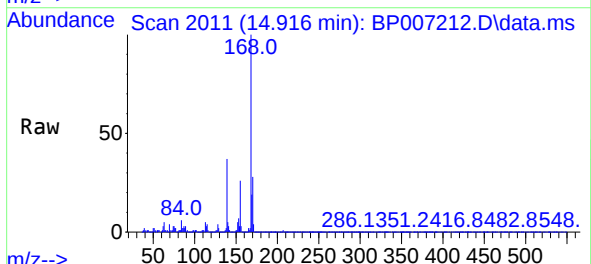
Manual Integrations
APPROVED

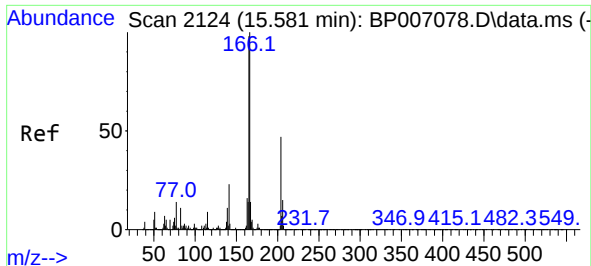
mohammad
9/28/2021 1:41:31 PM



#55
Dibenzofuran
Concen: 6.784 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

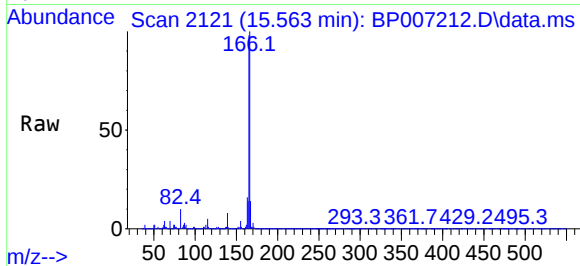
Tgt Ion:168 Resp: 279220
Ion Ratio Lower Upper
168 100
139 37.0 31.0 46.6
169 18.5 10.8 16.2#





#58
Fluorene
Concen: 19.829 ng
RT: 15.563 min Scan# 2121
Delta R.T. -0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

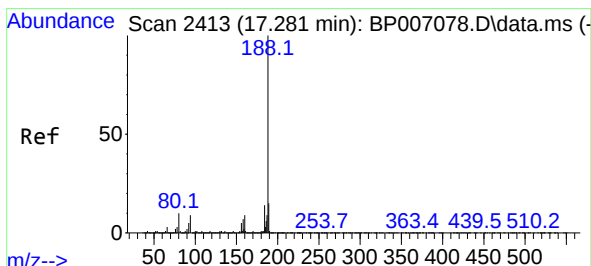
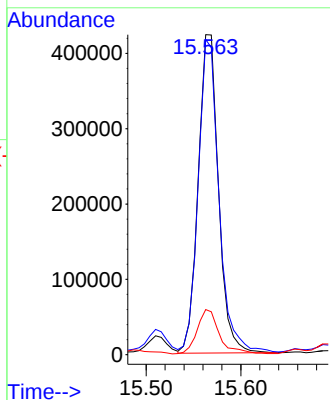
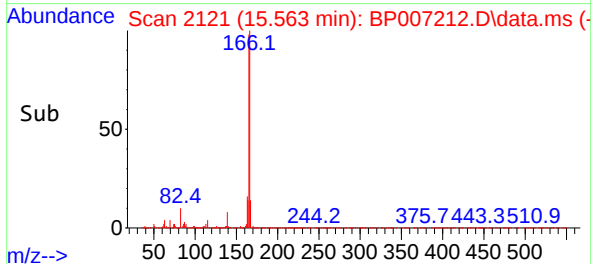
Instrument :
BNA_P
ClientSampleId :
TP-7



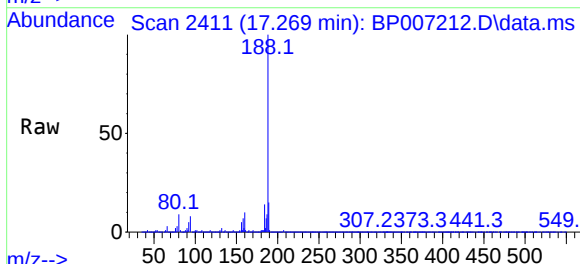
Tgt Ion:166 Resp: 630487
Ion Ratio Lower Upper
166 100
165 98.5 78.0 117.0
167 14.1 10.5 15.7

Manual Integrations
APPROVED

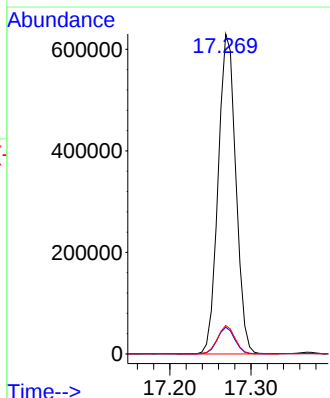
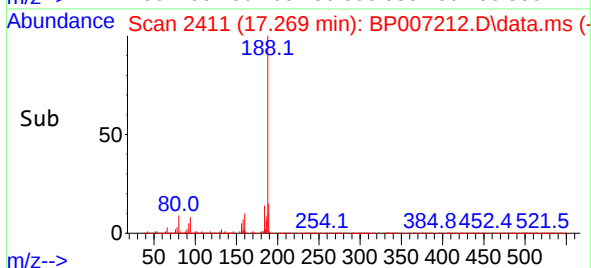
mohammad
9/28/2021 1:41:31 PM

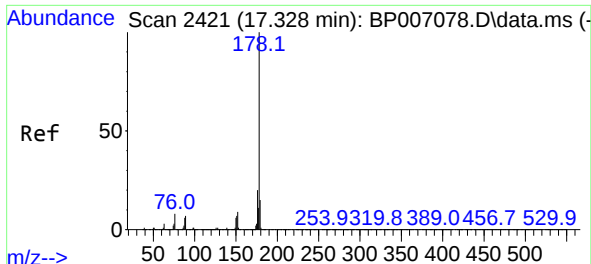


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58



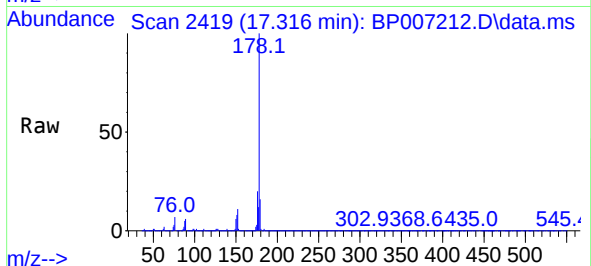
Tgt Ion:188 Resp: 953677
Ion Ratio Lower Upper
188 100
94 8.3 5.6 8.4
80 8.9 6.3 9.5





#71
Phenanthrene
Concen: 124.629 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

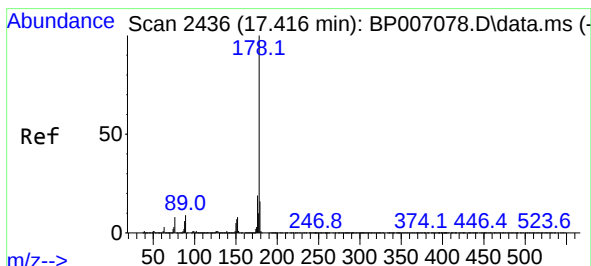
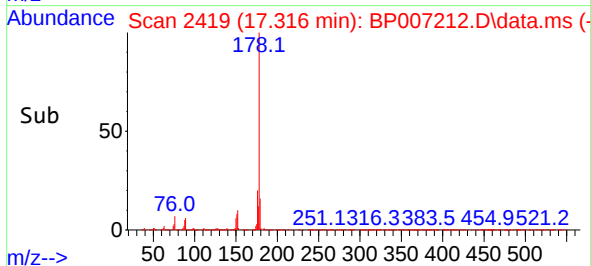
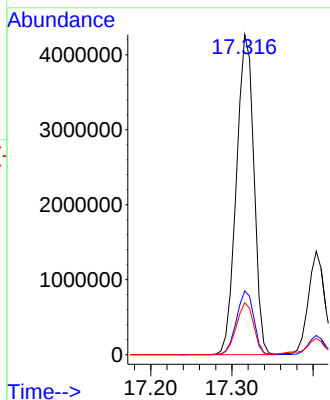
Instrument :
BNA_P
ClientSampled :
TP-7



Tgt Ion:178 Resp: 6372961
Ion Ratio Lower Upper
178 100
176 20.0 15.1 22.7
179 16.2 12.4 18.6

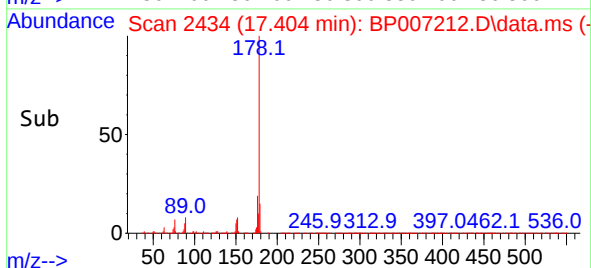
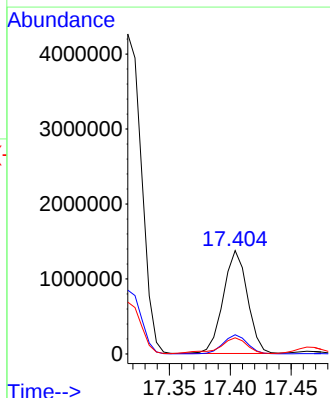
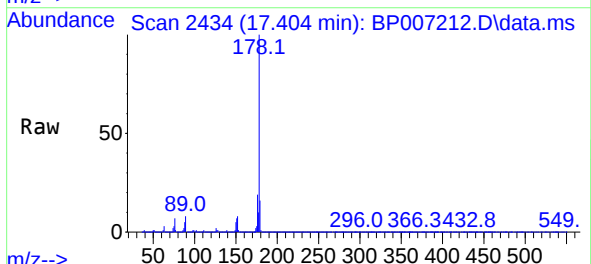
Manual Integrations
APPROVED

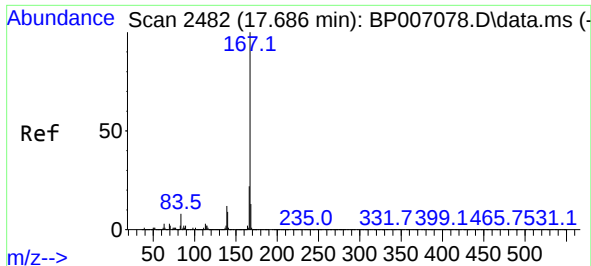
mohammad
9/28/2021 1:41:31 PM



#72
Anthracene
Concen: 37.972 ng
RT: 17.404 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

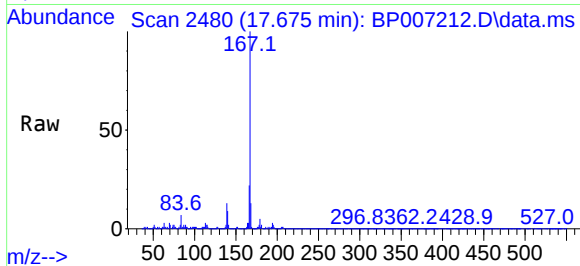
Tgt Ion:178 Resp: 1899444
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.6 12.2 18.2





#73
Carbazole
Concen: 9.364 ng
RT: 17.675 min Scan# 2480
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

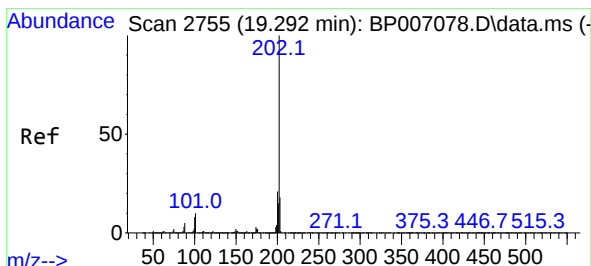
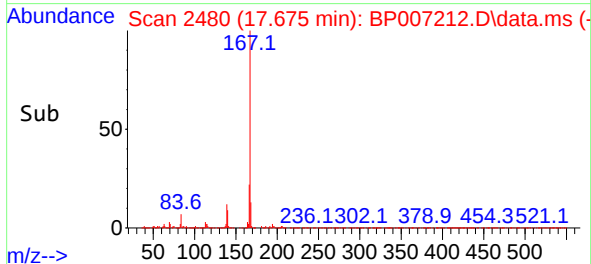
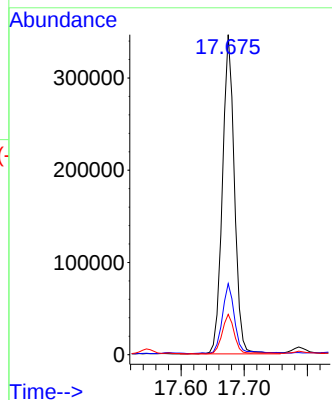
Instrument :
BNA_P
ClientSampled :
TP-7



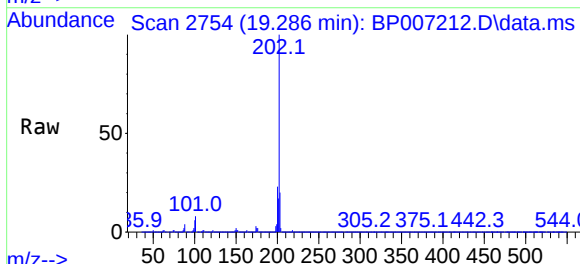
Tgt Ion:167 Resp: 459015
Ion Ratio Lower Upper
167 100
166 22.2 17.1 25.7
139 12.6 10.7 16.1

Manual Integrations
APPROVED

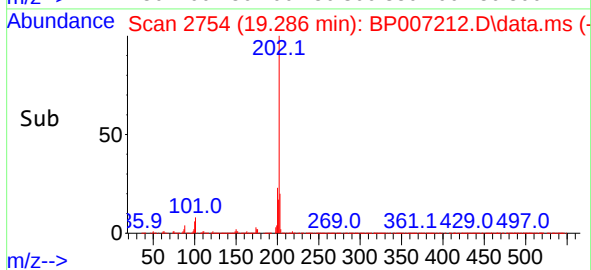
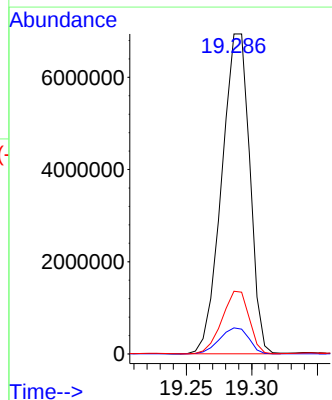
mohammad
9/28/2021 1:41:31 PM

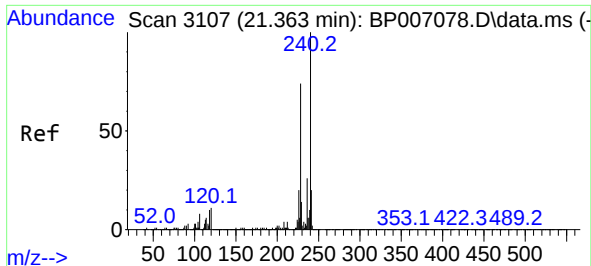


#75
Fluoranthene
Concen: 175.329 ng
RT: 19.286 min Scan# 2754
Delta R.T. 0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58



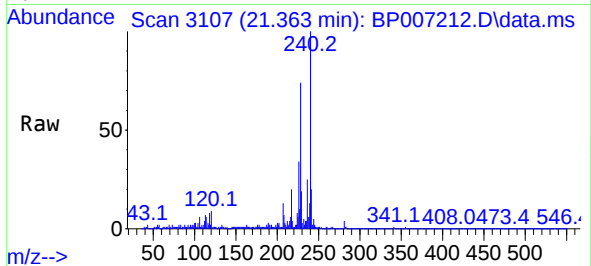
Tgt Ion:202 Resp:10329422
Ion Ratio Lower Upper
202 100
101 8.1 0.0 27.6
203 19.6 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.363 min Scan# 3107
Delta R.T. 0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

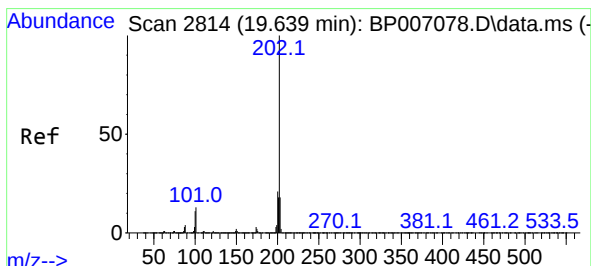
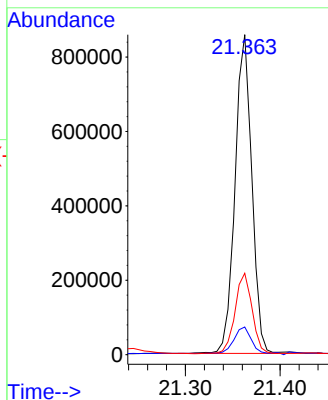
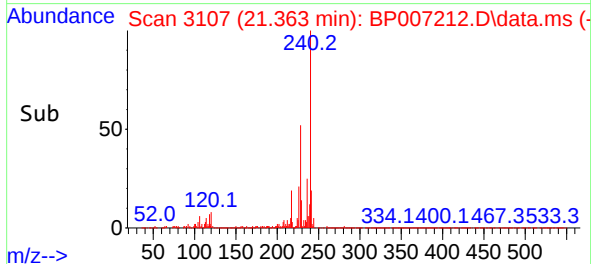
Instrument :
BNA_P
ClientSampled :
TP-7



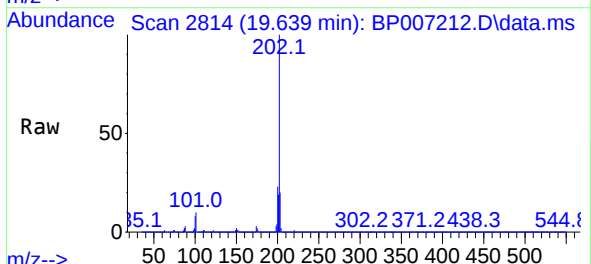
Tgt Ion:240 Resp: 1050668
Ion Ratio Lower Upper
240 100
120 8.7 6.5 9.7
236 25.5 20.6 31.0

Manual Integrations
APPROVED

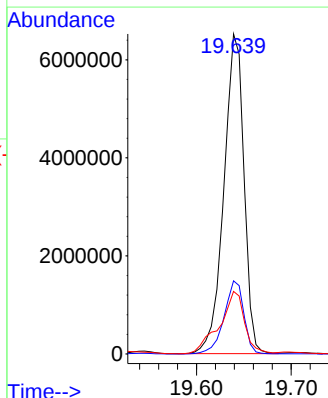
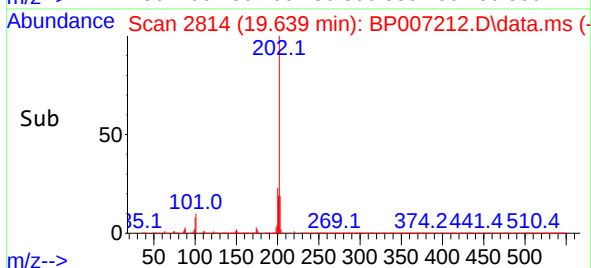
mohammad
9/28/2021 1:41:31 PM

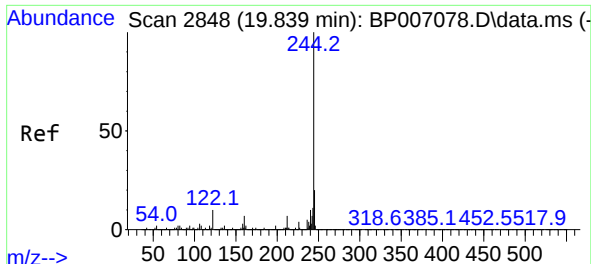


#78
Pyrene
Concen: 139.667 ng
RT: 19.639 min Scan# 2814
Delta R.T. 0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58



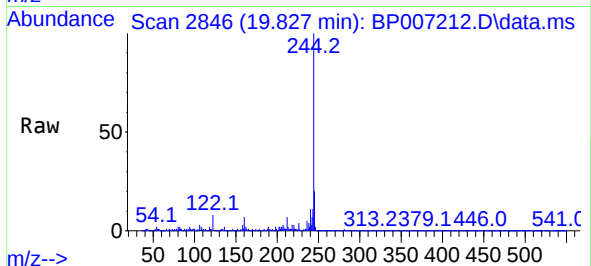
Tgt Ion:202 Resp: 9627683
Ion Ratio Lower Upper
202 100
200 22.8 16.3 24.5
203 19.6 14.2 21.2





#79
Terphenyl-d14
Concen: 24.352 ng
RT: 19.827 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

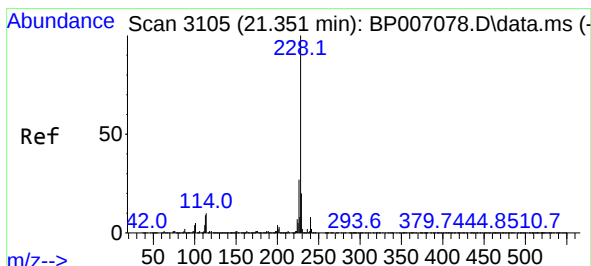
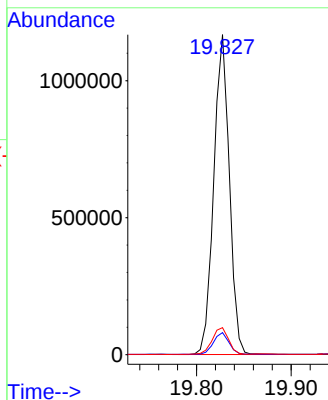
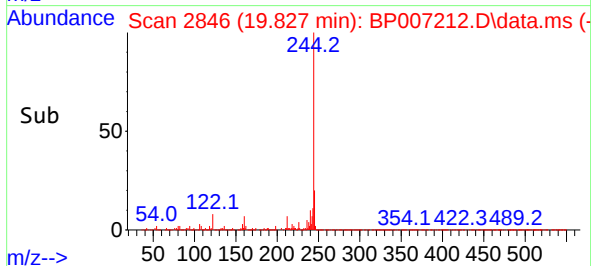
Instrument :
BNA_P
ClientSampleId :
TP-7



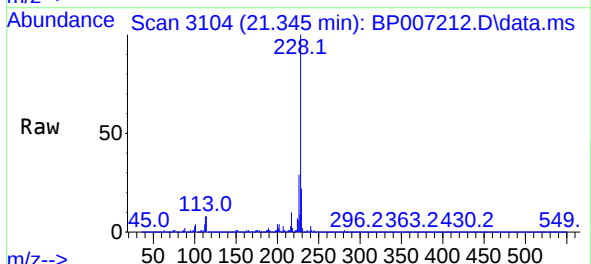
Tgt Ion:244 Resp: 1335202
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 8.4 7.1 10.7

Manual Integrations
APPROVED

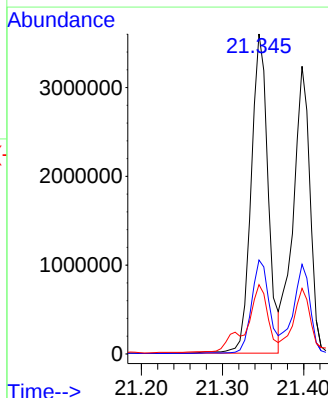
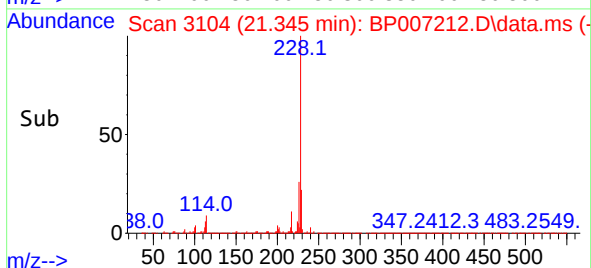
mohammad
9/28/2021 1:41:31 PM

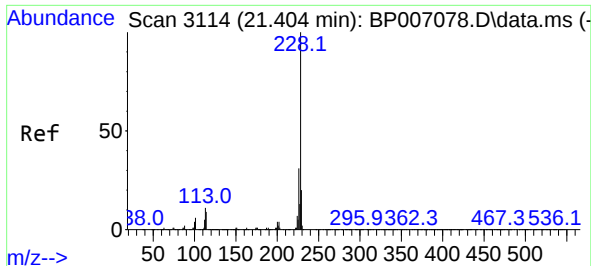


#81
Benzo(a)anthracene
Concen: 76.623 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.000 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58



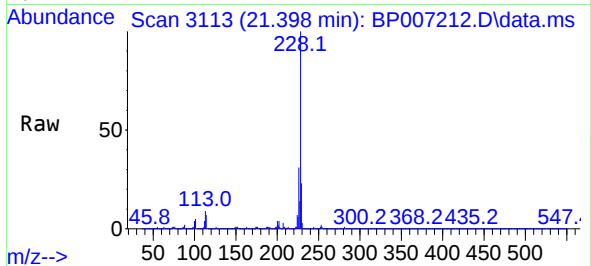
Tgt Ion:228 Resp: 5225535
Ion Ratio Lower Upper
228 100
226 29.4 21.6 32.4
229 21.6 15.8 23.6





#83
Chrysene
Concen: 71.182 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

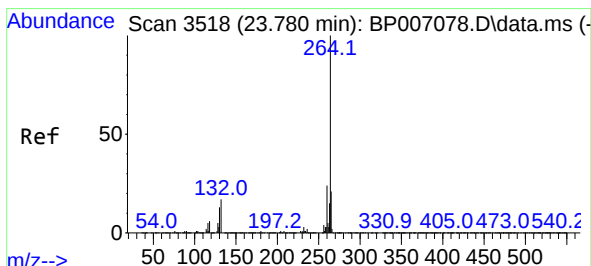
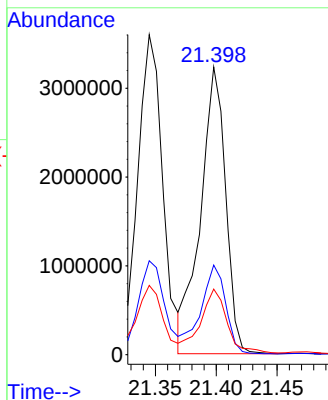
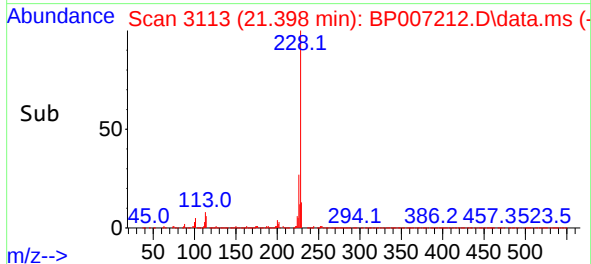
Instrument :
BNA_P
ClientSampled :
TP-7



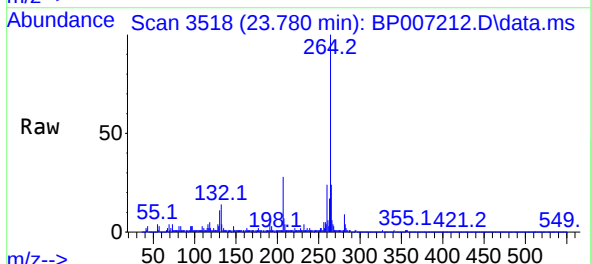
Tgt Ion:228 Resp: 4639621
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.6
229 22.8 15.4 23.2

Manual Integrations
APPROVED

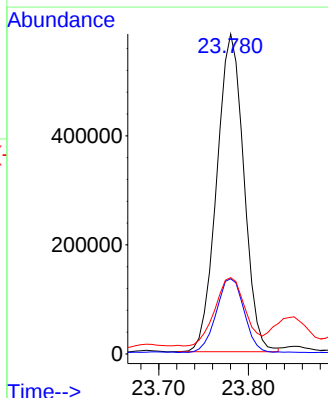
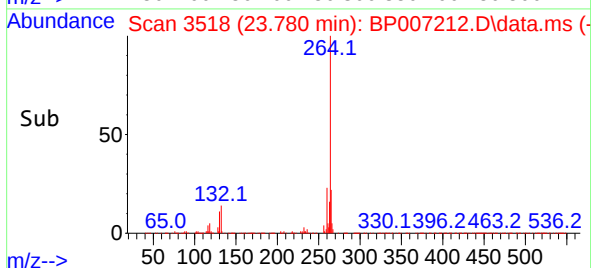
mohammad
9/28/2021 1:41:31 PM

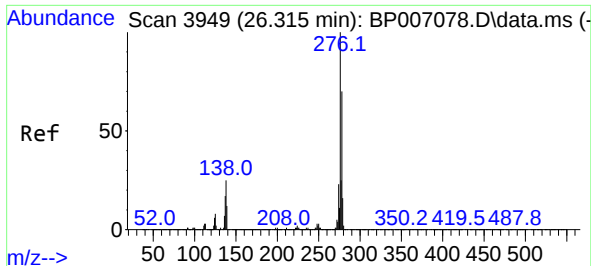


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.780 min Scan# 3518
Delta R.T. 0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58



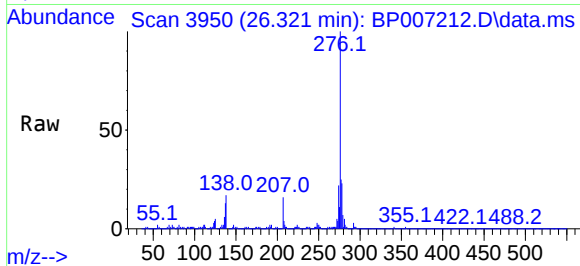
Tgt Ion:264 Resp: 1220501
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 23.9 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 38.509 ng
RT: 26.321 min Scan# 3950
Delta R.T. 0.017 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

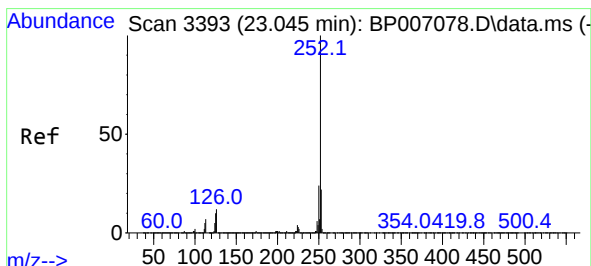
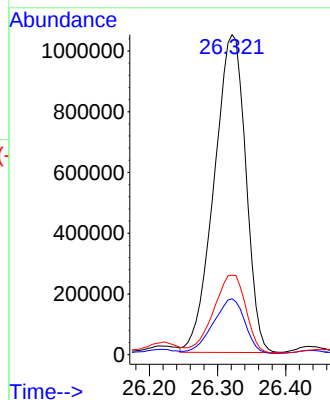
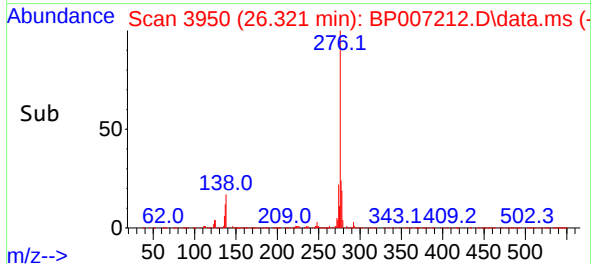
Instrument :
BNA_P
ClientSampleId :
TP-7



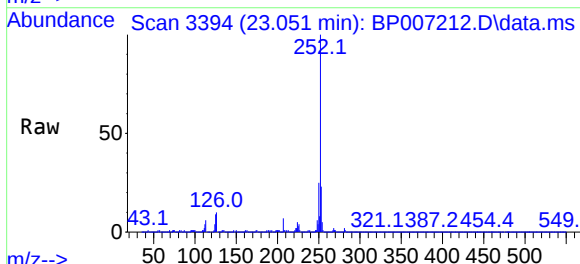
Tgt Ion:276 Resp: 3377695
Ion Ratio Lower Upper
276 100
138 17.2 15.3 22.9
277 25.2 20.4 30.6

Manual Integrations
APPROVED

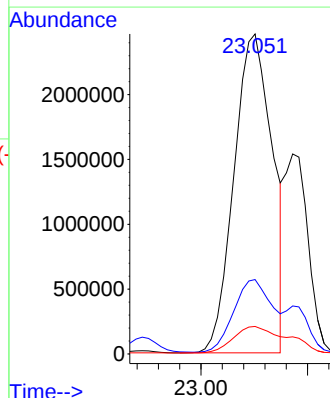
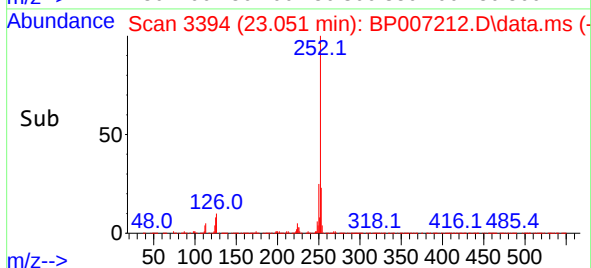
mohammad
9/28/2021 1:41:31 PM

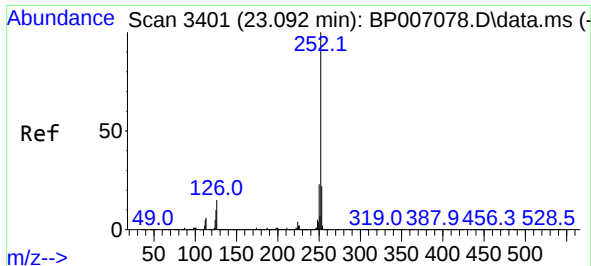


#88
Benzo(b)fluoranthene
Concen: 84.329 ng
RT: 23.051 min Scan# 3394
Delta R.T. 0.017 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58



Tgt Ion:252 Resp: 6150936
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 8.6 6.2 9.4





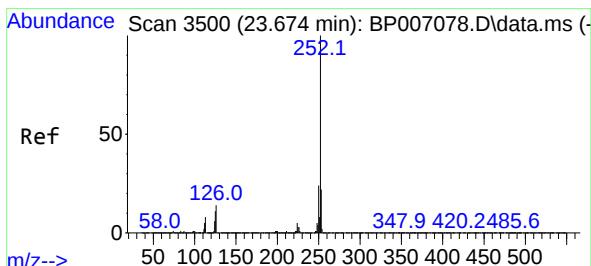
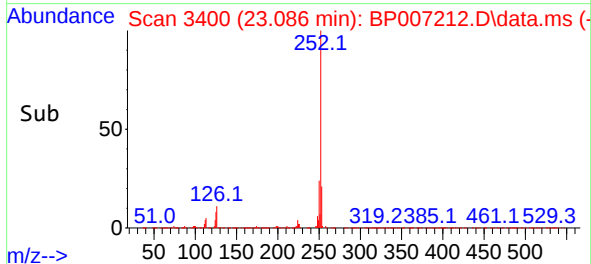
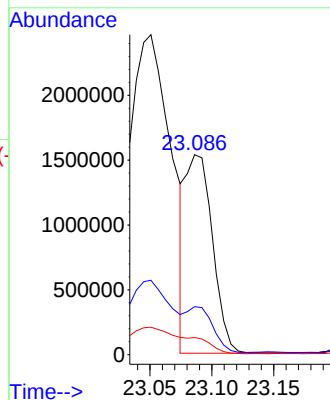
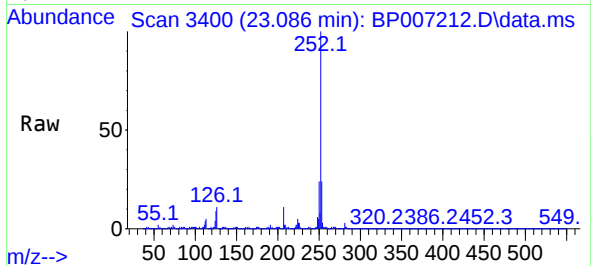
#89
Benzo(k)fluoranthene
Concen: 31.135 ng m
RT: 23.086 min Scan# 3400
Delta R.T. -0.000 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

Instrument :
BNA_P
ClientSampled :
TP-7

Tgt Ion:252 Resp: 2299308
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 8.6 6.0 9.0

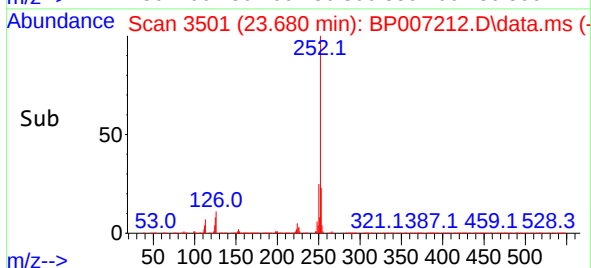
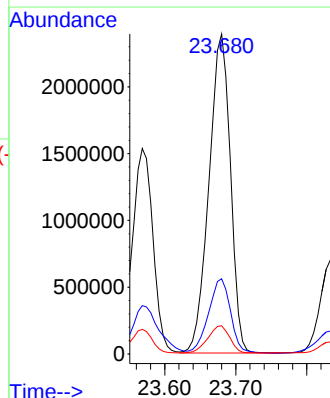
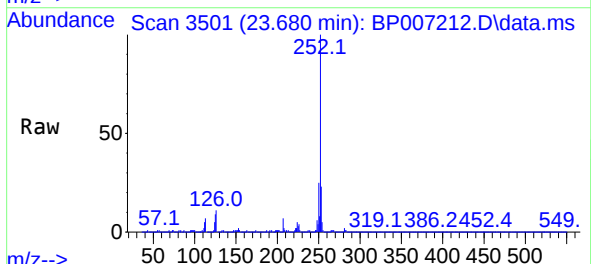
Manual Integrations
APPROVED

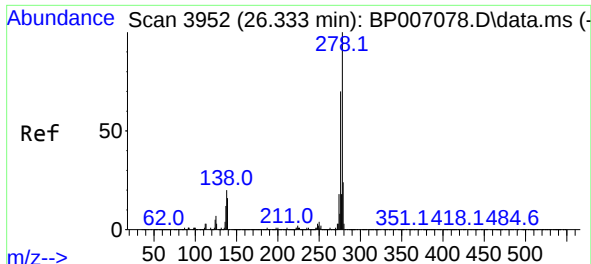
mohammad
9/28/2021 1:41:31 PM



#90
Benzo(a)pyrene
Concen: 80.645 ng
RT: 23.680 min Scan# 3501
Delta R.T. 0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

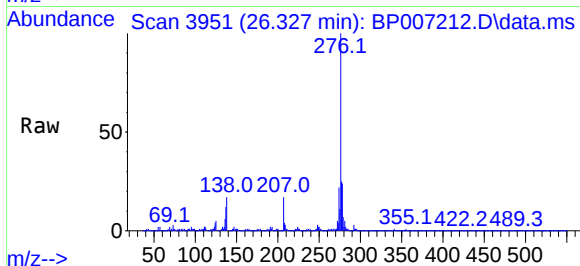
Tgt Ion:252 Resp: 4997430
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 8.8 6.5 9.7





#91
Dibenzo(a,h)anthracene
Concen: 11.293 ng
RT: 26.327 min Scan# 3951
Delta R.T. 0.012 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58

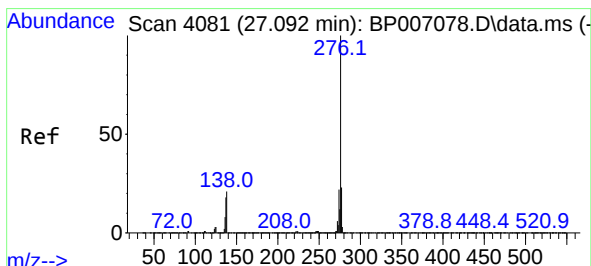
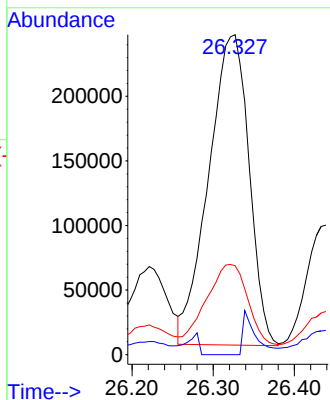
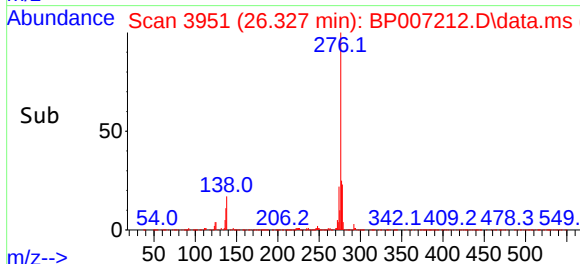
Instrument :
BNA_P
ClientSampleId :
TP-7



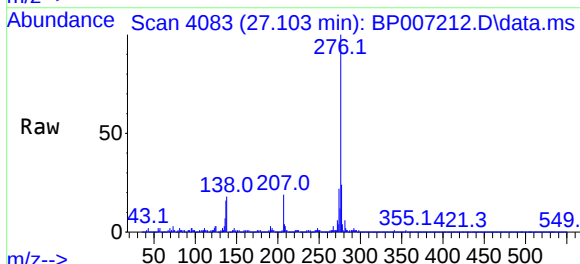
Tgt Ion:278 Resp: 830090
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 27.8 18.8 28.2

Manual Integrations
APPROVED

mohammad
9/28/2021 1:41:31 PM



#92
Benzo(g,h,i)perylene
Concen: 45.907 ng
RT: 27.103 min Scan# 4083
Delta R.T. 0.029 min
Lab File: BP007212.D
Acq: 27 Sep 2021 18:58



Tgt Ion:276 Resp: 3292979
Ion Ratio Lower Upper
276 100
277 24.2 18.9 28.3
138 17.8 12.6 18.8

