

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
 Data File : BP007177.D
 Acq On : 25 Sep 2021 01:36
 Operator : CG/JU
 Sample : M3917-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-9

Manual Integrations
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 9/27/2021 3:04:38 PM

Quant Time: Sep 25 02:47:35 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	7.887	152	241170	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	946968	20.000	ng	# 0.00
39) Acenaphthene-d10	14.522	164	605446	20.000	ng	0.00
64) Phenanthrene-d10	17.275	188	1251574	20.000	ng	0.00
76) Chrysene-d12	21.363	240	1225980	20.000	ng	0.00
86) Perylene-d12	23.774	264	1376793	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	1095953	76.069	ng	0.00
7) Phenol-d6	7.063	99	1416647	71.943	ng	0.00
23) Nitrobenzene-d5	9.052	82	824239	50.689	ng	0.00
42) 2,4,6-Tribromophenol	16.016	330	678456	86.435	ng	0.00
45) 2-Fluorobiphenyl	13.145	172	2048663	48.476	ng	0.00
79) Terphenyl-d14	19.827	244	2892799	45.216	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.740	128	511723	10.588	ng	100
37) 2-Methylnaphthalene	12.351	142	194115	5.736	ng	97
38) 1-Methylnaphthalene	12.569	142	156534	4.734	ng	99
49) Acenaphthylene	14.245	152	417194	7.765	ng	99
52) Acenaphthene	14.587	154	480970	14.775	ng	100
55) Dibenzofuran	14.922	168	491188	9.044	ng	95
58) Fluorene	15.569	166	801172	19.094	ng	99
71) Phenanthrene	17.322	178	6769456	100.873	ng	98
72) Anthracene	17.410	178	2193545	33.414	ng	100
73) Carbazole	17.675	167	714315	11.104	ng	98
75) Fluoranthene	19.286	202	7693733	99.509	ng	97
78) Pyrene	19.639	202	6801263	84.556	ng	97
81) Benzo(a)anthracene	21.345	228	3781792	47.523	ng	96
83) Chrysene	21.398	228	3079644	40.492	ng	96
87) Indeno(1,2,3-cd)pyrene	26.304	276	1984185	20.054	ng	99
88) Benzo(b)fluoranthene	23.045	252	3911635m	47.541	ng	
89) Benzo(k)fluoranthene	23.080	252	1510064m	18.127	ng	
90) Benzo(a)pyrene	23.668	252	3256458	46.585	ng	# 96
91) Dibenzo(a,h)anthracene	26.309	278	548558	6.616	ng	# 83
92) Benzo(g,h,i)perylene	27.086	276	1891402	23.374	ng	# 95

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

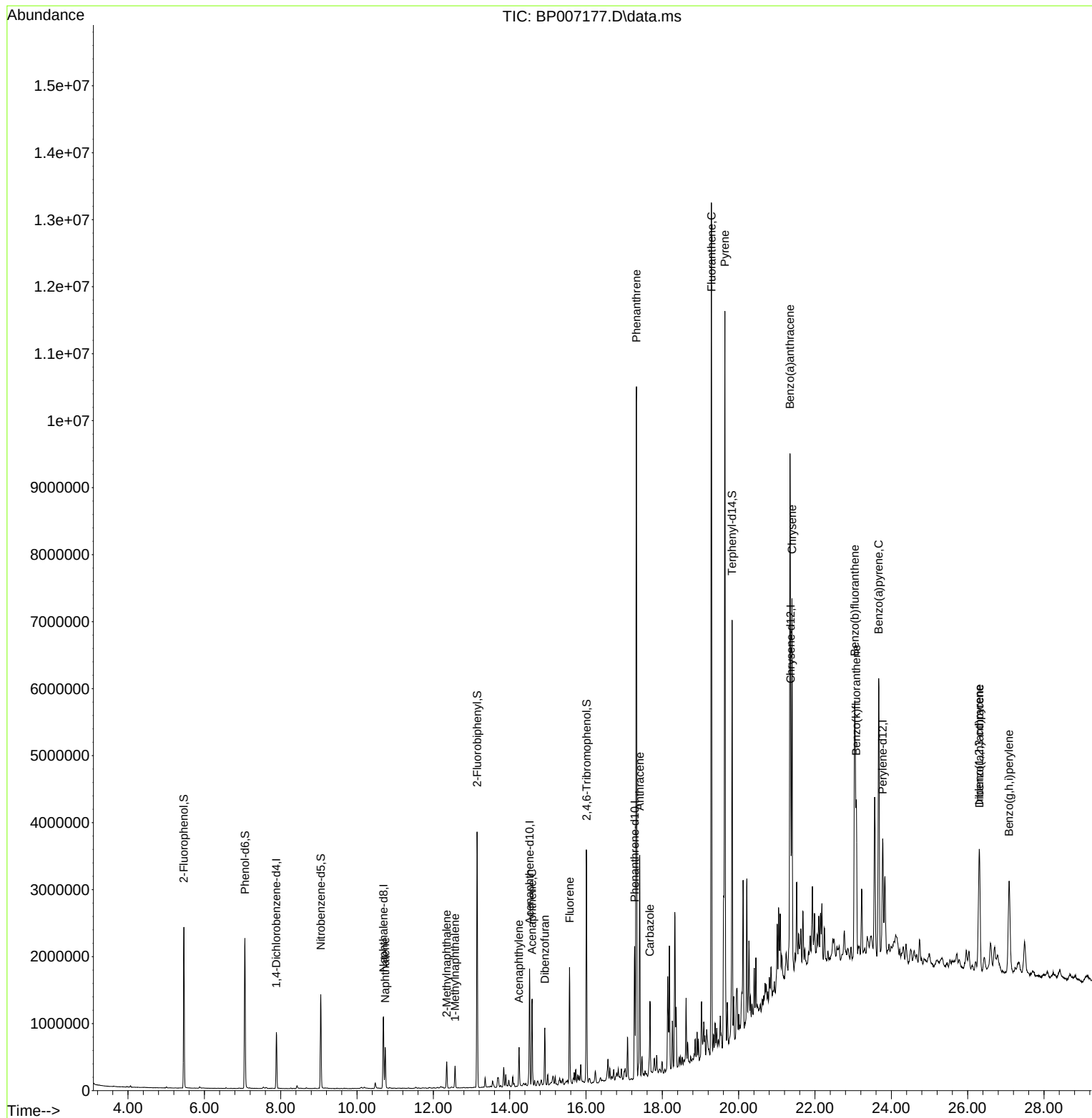
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092421\
Data File : BP007177.D
Acq On : 25 Sep 2021 01:36
Operator : CG/JU
Sample : M3917-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

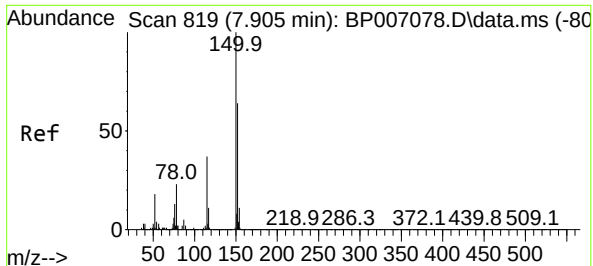
Instrument :
BNA_P
ClientSampled :
TP-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 23 11:17:25 2021
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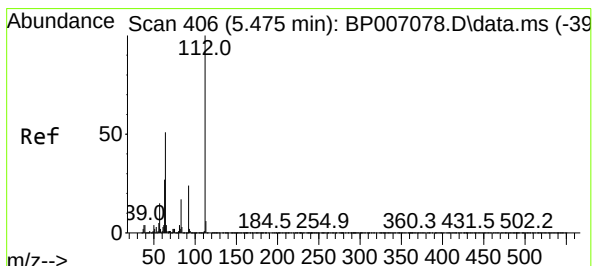
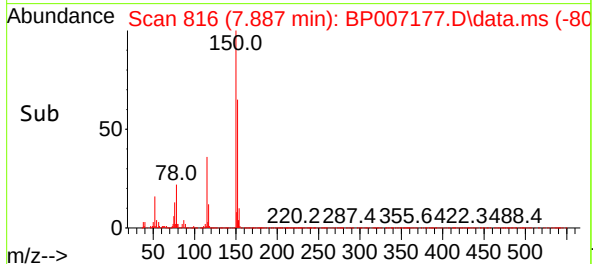
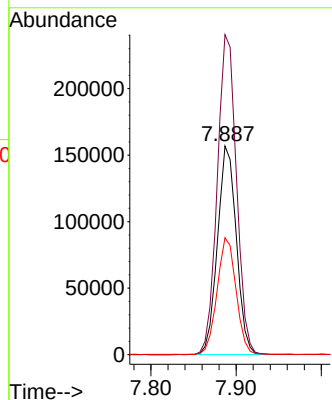
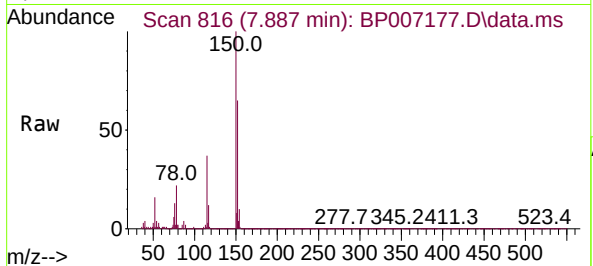
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

Tgt Ion:152 Resp: 241170
Ion Ratio Lower Upper
152 100
150 153.3 125.6 188.4
115 56.1 48.5 72.7

Instrument :
BNA_P
ClientSampled :
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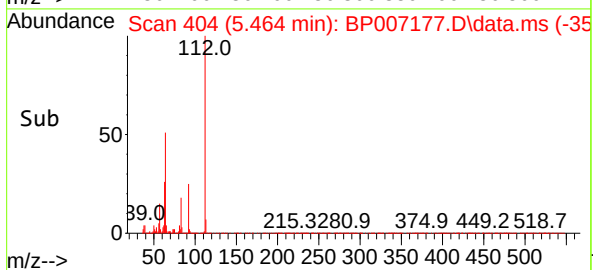
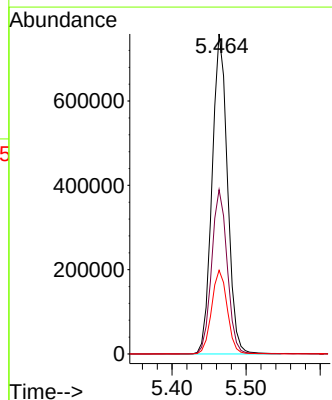
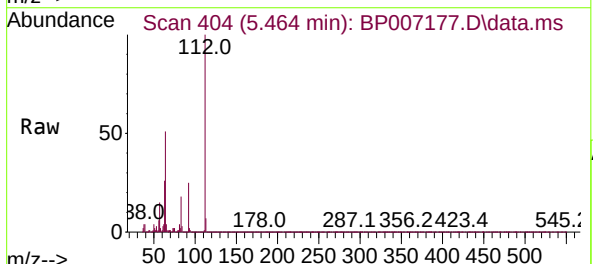
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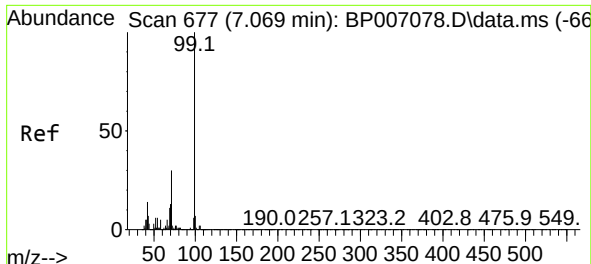
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#5
2-Fluorophenol
Concen: 76.069 ng
RT: 5.464 min Scan# 404
Delta R.T. -0.000 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

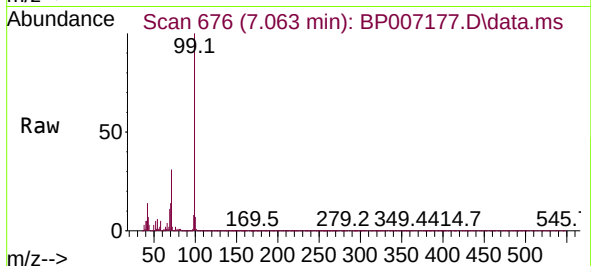
Tgt Ion:112 Resp: 1095953
Ion Ratio Lower Upper
112 100
64 51.4 41.4 62.2
63 26.2 23.8 35.8





#7
Phenol-d6
Concen: 71.943 ng
RT: 7.063 min Scan# 676
Delta R.T. -0.000 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

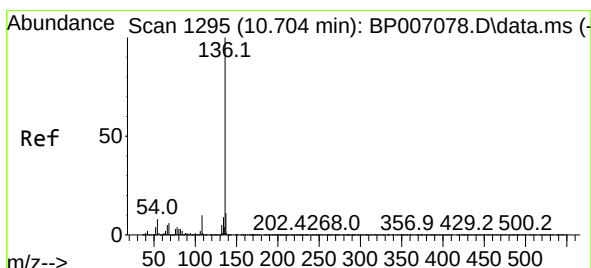
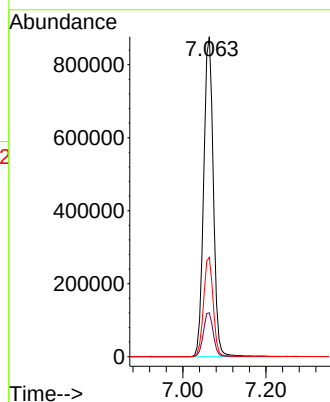
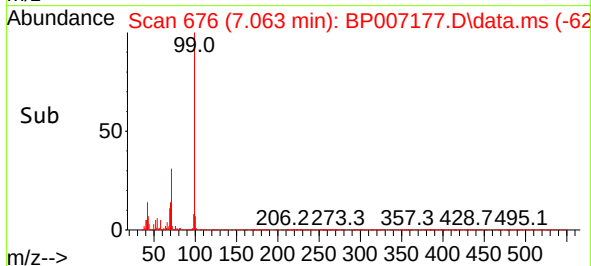
Instrument :
BNA_P
ClientSampled :
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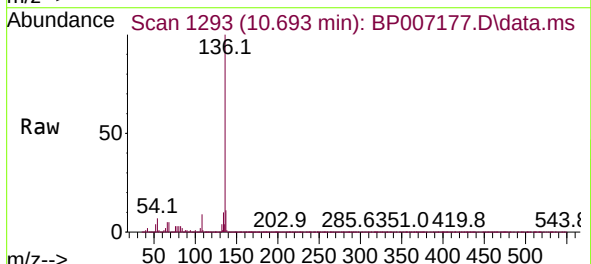
Tgt Ion: 99 Resp: 1416647
Ion Ratio Lower Upper
99 100
42 13.7 13.4 20.0
71 31.1 30.6 46.0

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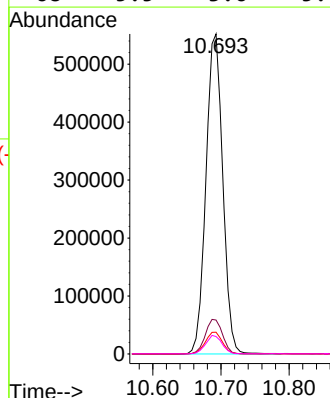
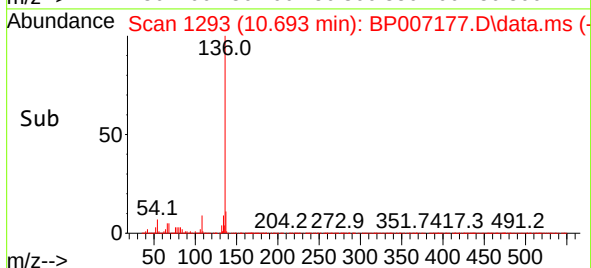
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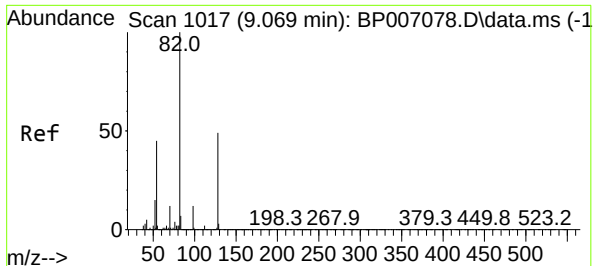


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36



Tgt Ion: 136 Resp: 946968
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 6.8 4.6 6.8
68 5.5 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 50.689 ng

RT: 9.052 min Scan# 1014

Delta R.T. -0.006 min

Lab File: BP007177.D

Acq: 25 Sep 2021 01:36

Tgt Ion: 82 Resp: 824239

Ion Ratio Lower Upper

82 100

128 48.2 35.7 53.5

54 44.5 35.0 52.4

Instrument :

BNA_P

ClientSampled :

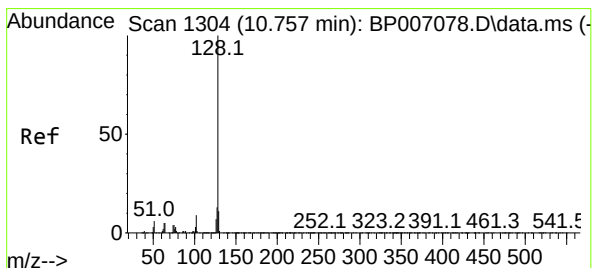
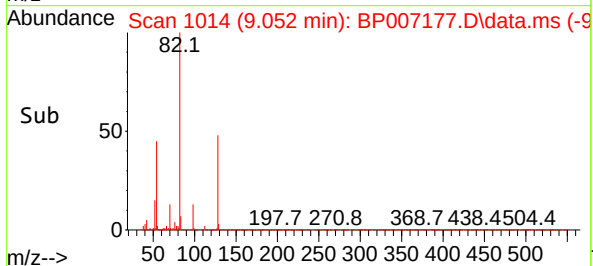
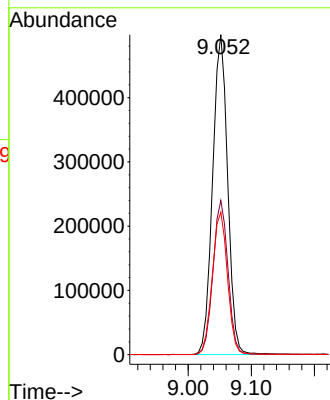
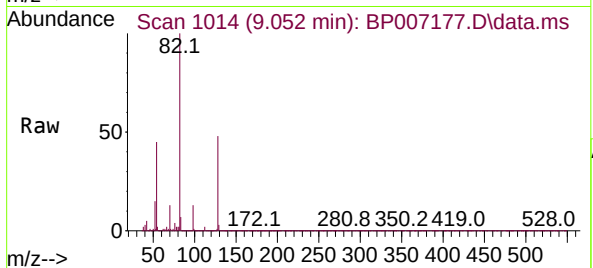
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#31

Naphthalene

Concen: 10.588 ng

RT: 10.740 min Scan# 1301

Delta R.T. -0.006 min

Lab File: BP007177.D

Acq: 25 Sep 2021 01:36

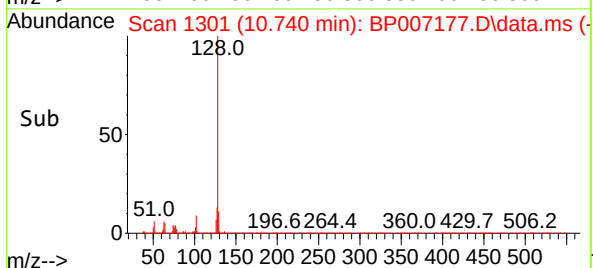
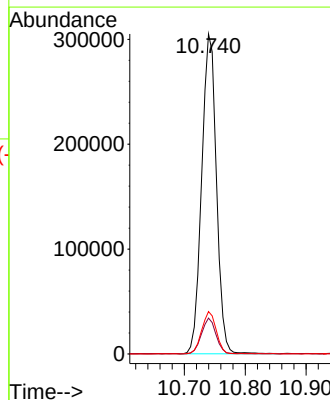
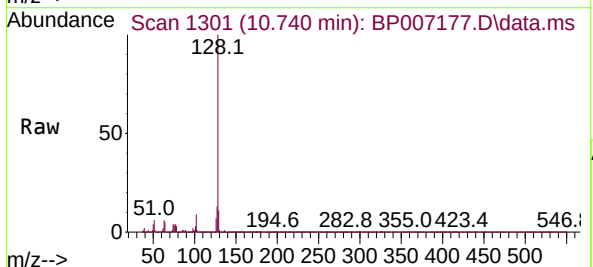
Tgt Ion: 128 Resp: 511723

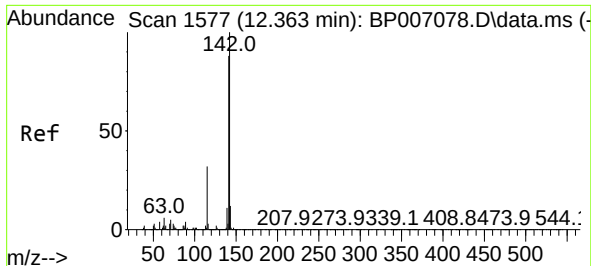
Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 13.3 10.7 16.1





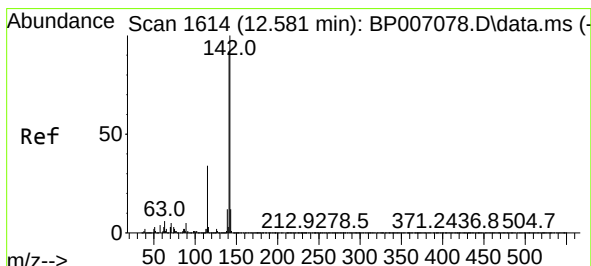
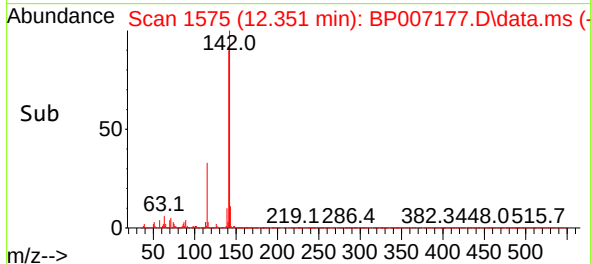
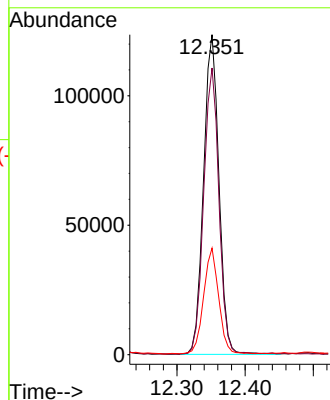
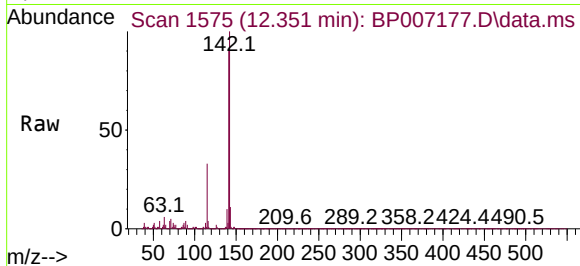
#37
2-Methylnaphthalene
Concen: 5.736 ng
RT: 12.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

Instrument :
BNA_P
ClientSampled :
TP-9

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.8	107.6
115	33.3	31.6	47.4

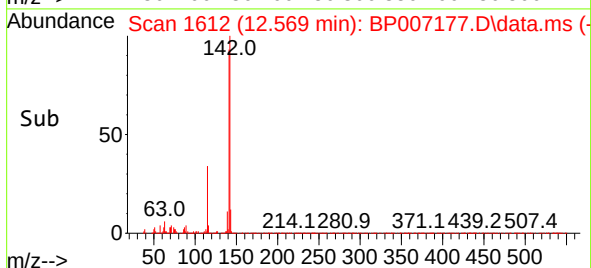
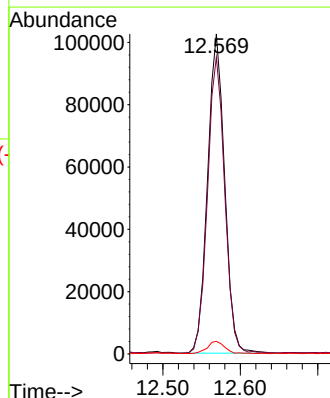
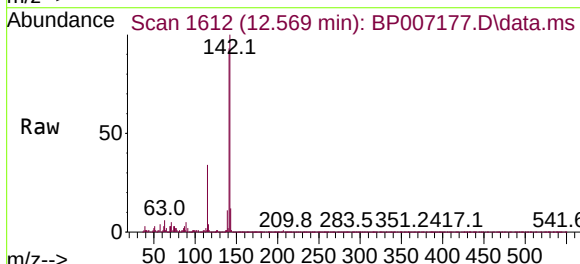
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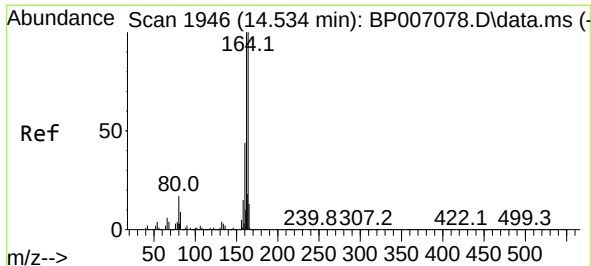
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#38
1-Methylnaphthalene
Concen: 4.734 ng
RT: 12.569 min Scan# 1612
Delta R.T. -0.006 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

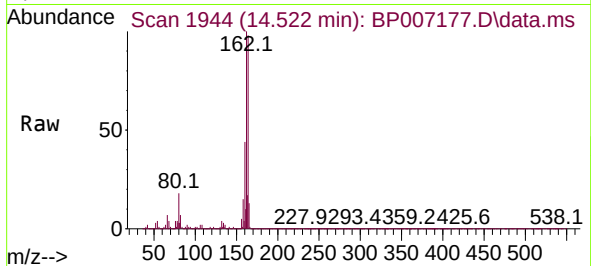
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.3	109.9
116	4.0	3.5	5.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

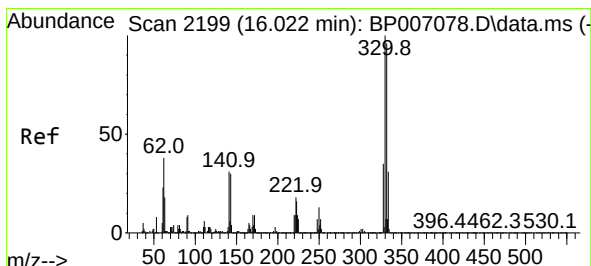
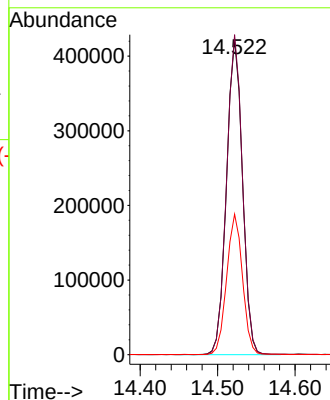
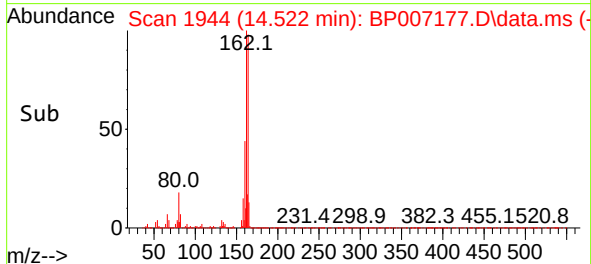
Instrument :
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ClientSampled :
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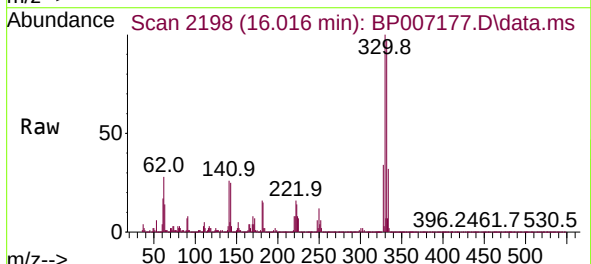
Tgt Ion:164 Resp: 605446
Ion Ratio Lower Upper
164 100
162 101.6 80.2 120.2
160 44.6 34.5 51.7

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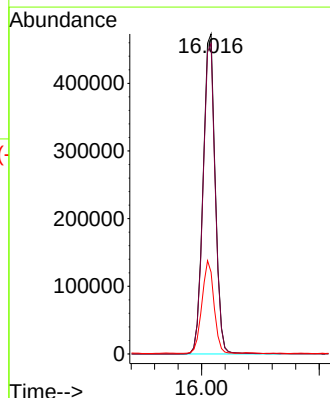
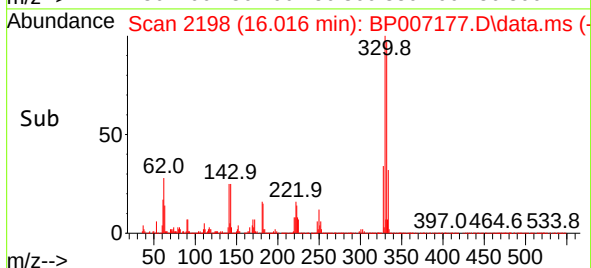
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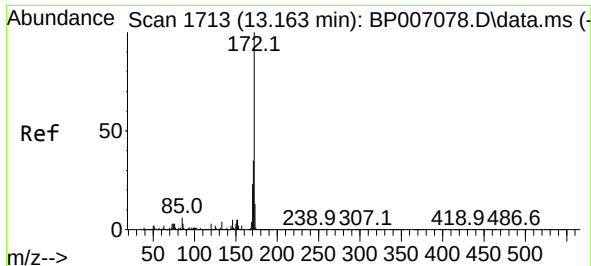


#42
2,4,6-Tribromophenol
Concen: 86.435 ng
RT: 16.016 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36



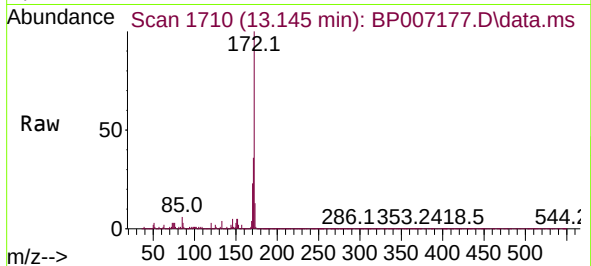
Tgt Ion:330 Resp: 678456
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.8
141 28.7 25.4 38.2





#45
2-Fluorobiphenyl
Concen: 48.476 ng
RT: 13.145 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

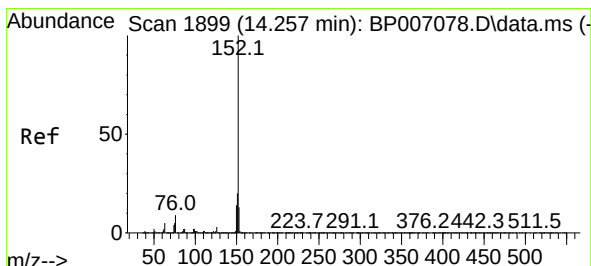
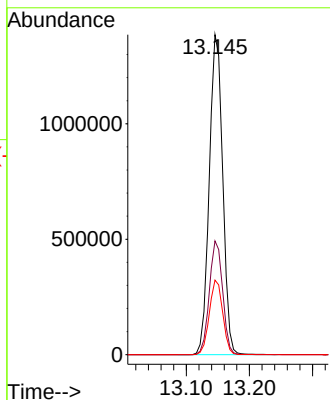
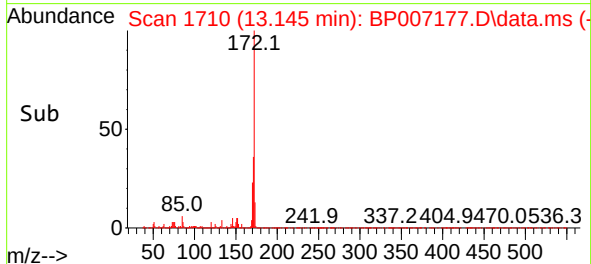
Instrument :
BNA_P
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TP-9



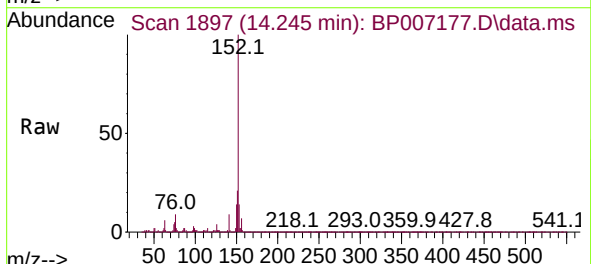
Tgt Ion:172 Resp: 2048663
Ion Ratio Lower Upper
172 100
171 35.6 27.9 41.9
170 23.3 18.6 27.8

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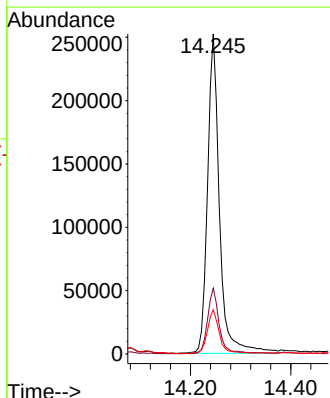
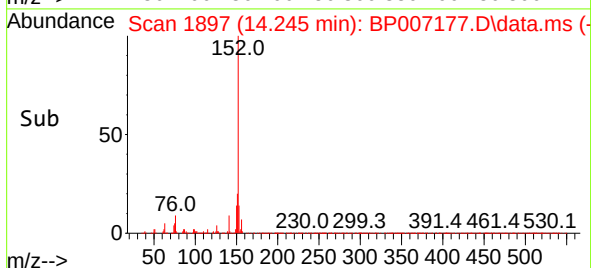
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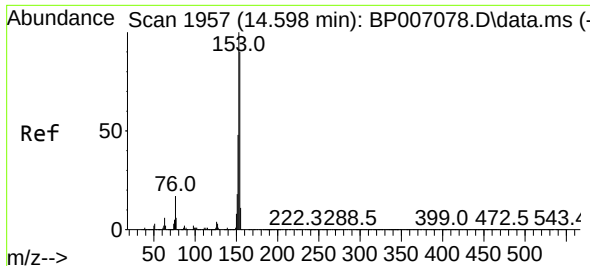


#49
Acenaphthylene
Concen: 7.765 ng
RT: 14.245 min Scan# 1897
Delta R.T. -0.000 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36



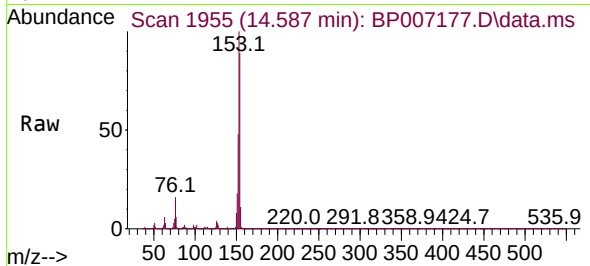
Tgt Ion:152 Resp: 417194
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.2
153 13.8 10.6 16.0





#52
Acenaphthene
Concen: 14.775 ng
RT: 14.587 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

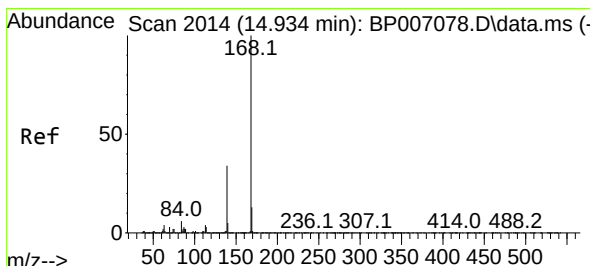
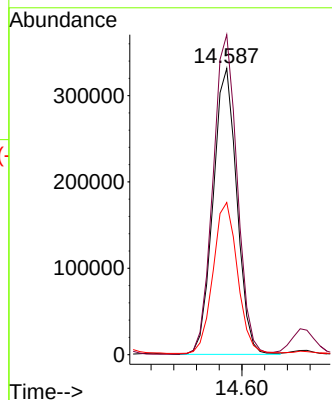
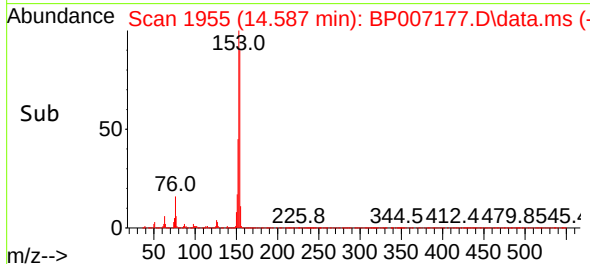
Instrument :
BNA_P
ClientSampleId :
TP-9



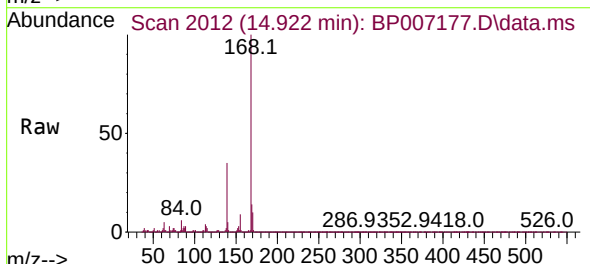
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Ion Ratio Lower Upper
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153 111.8 89.4 134.2
152 53.1 43.0 64.4

Manual Integrations
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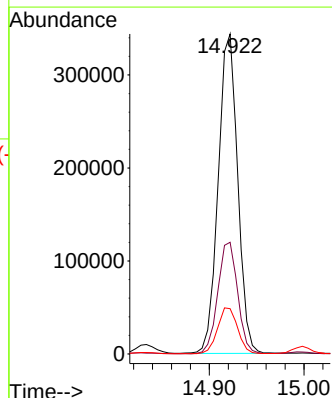
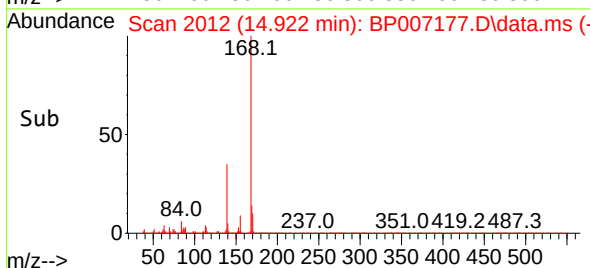
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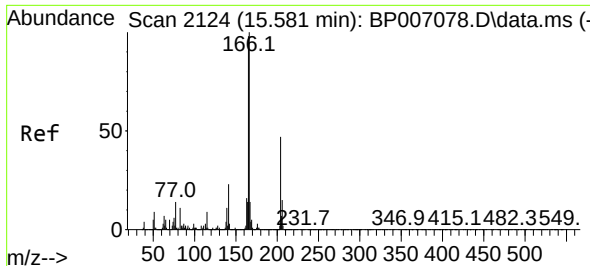


#55
Dibenzofuran
Concen: 9.044 ng
RT: 14.922 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36



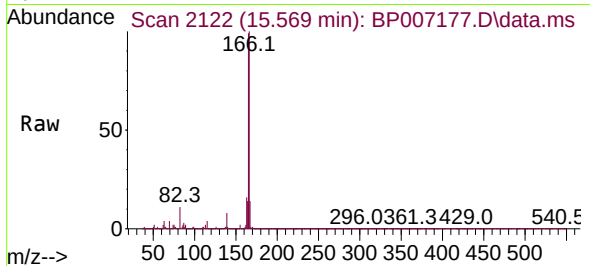
Tgt Ion:168 Resp: 491188
Ion Ratio Lower Upper
168 100
139 34.9 31.0 46.6
169 14.2 10.8 16.2





#58
Fluorene
Concen: 19.094 ng
RT: 15.569 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

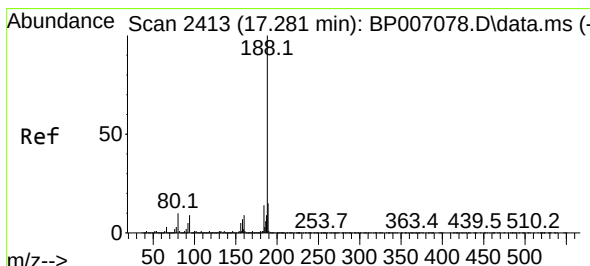
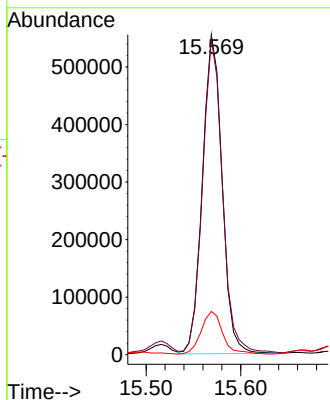
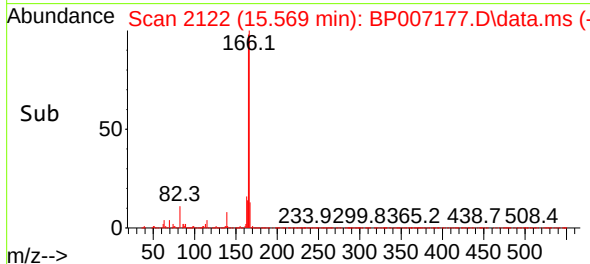
Instrument :
BNA_P
ClientSampled :
TP-9



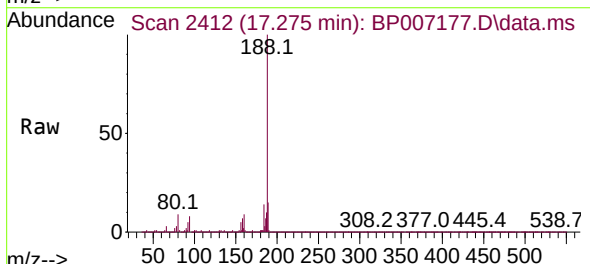
Tgt Ion:166 Resp: 801172
Ion Ratio Lower Upper
166 100
165 98.5 78.0 117.0
167 13.5 10.5 15.7

Manual Integrations
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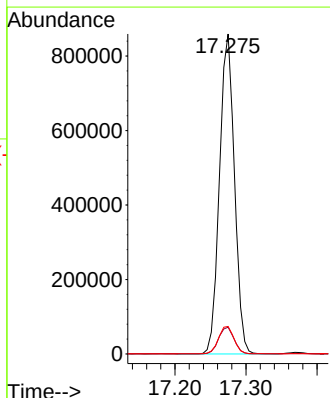
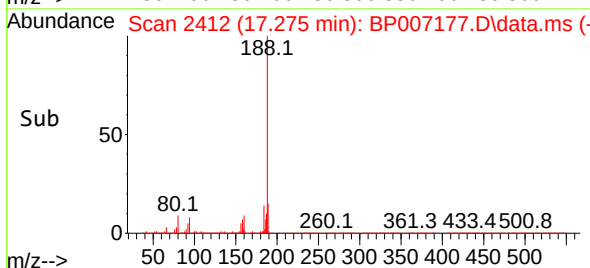
mohammad
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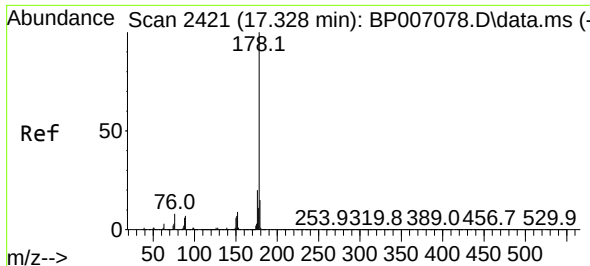


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.275 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36



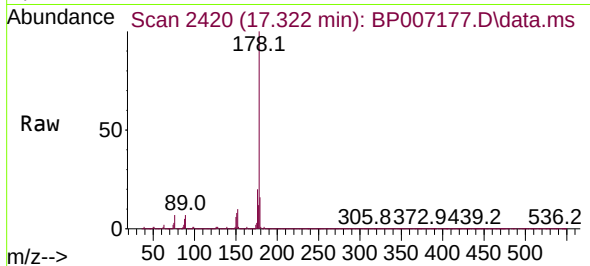
Tgt Ion:188 Resp: 1251574
Ion Ratio Lower Upper
188 100
94 8.4 5.6 8.4
80 8.6 6.3 9.5





#71
Phenanthrene
Concen: 100.873 ng
RT: 17.322 min Scan# 2420
Delta R.T. 0.006 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

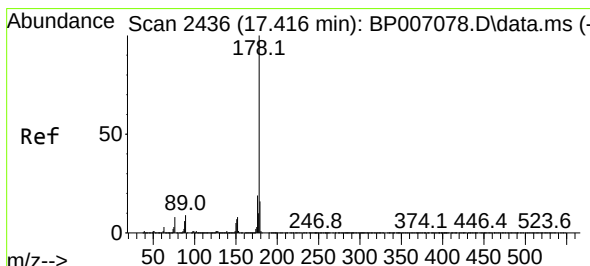
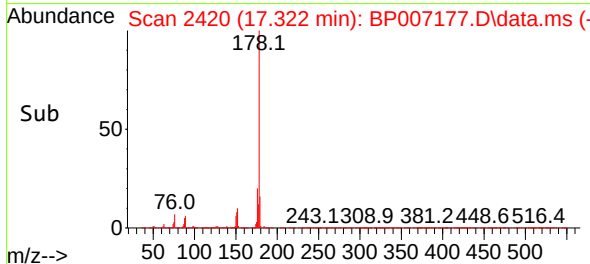
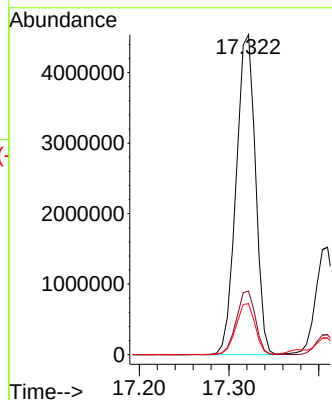
Instrument :
BNA_P
ClientSampled :
TP-9



Tgt Ion:178 Resp: 6769456
Ion Ratio Lower Upper
178 100
176 19.9 15.1 22.7
179 15.9 12.4 18.6

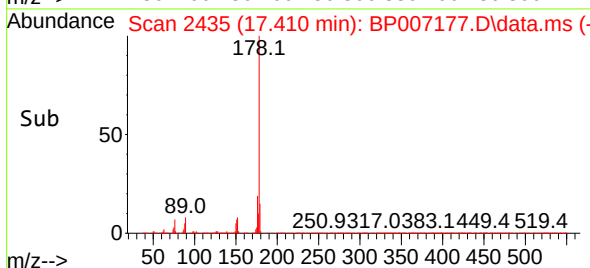
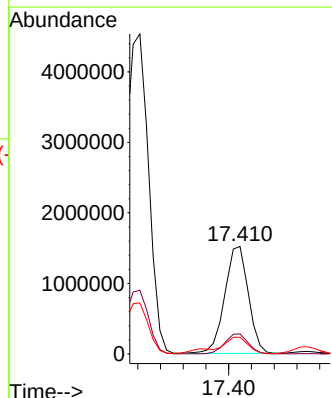
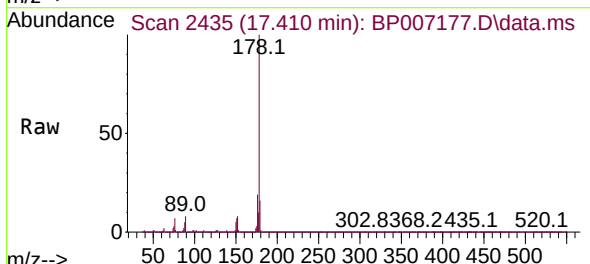
Manual Integrations
APPROVED

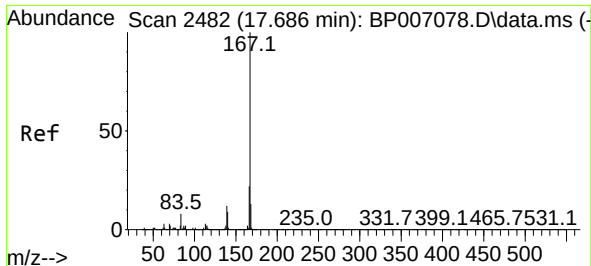
mohammad
9/27/2021 3:04:38 PM



#72
Anthracene
Concen: 33.414 ng
RT: 17.410 min Scan# 2435
Delta R.T. -0.000 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

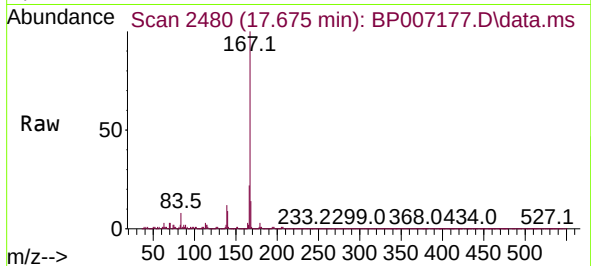
Tgt Ion:178 Resp: 2193545
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.5 12.2 18.2





#73
Carbazole
Concen: 11.104 ng
RT: 17.675 min Scan# 2480
Delta R.T. -0.006 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

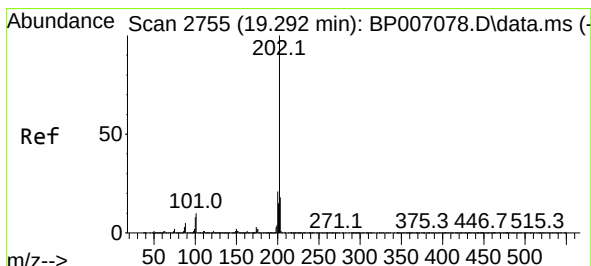
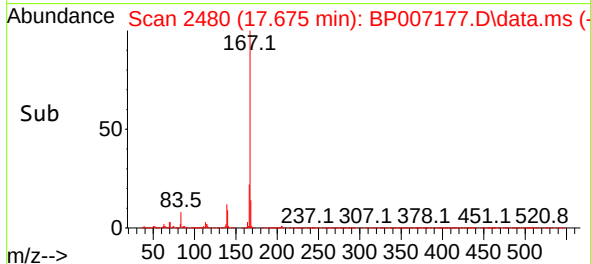
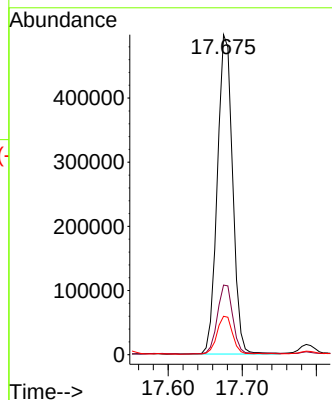
Instrument :
BNA_P
ClientSampled :
TP-9



Tgt Ion:167 Resp: 714315
Ion Ratio Lower Upper
167 100
166 21.7 17.1 25.7
139 12.0 10.7 16.1

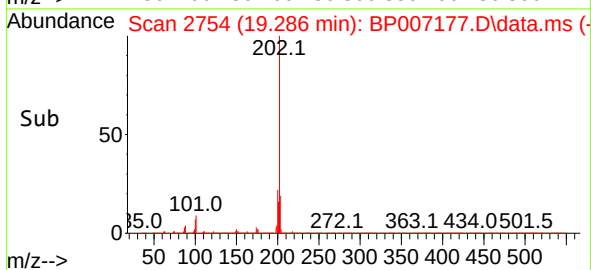
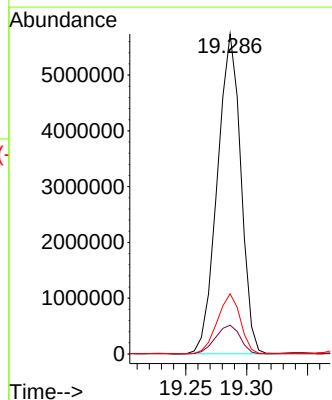
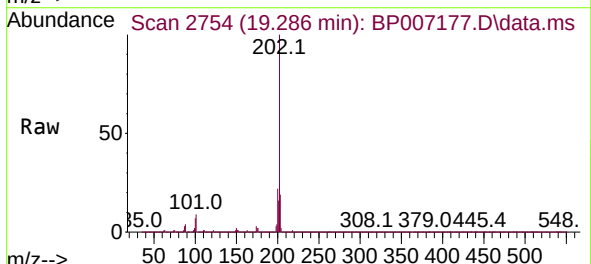
Manual Integrations
APPROVED

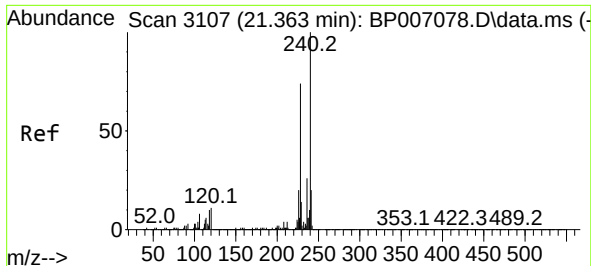
mohammad
9/27/2021 3:04:38 PM



#75
Fluoranthene
Concen: 99.509 ng
RT: 19.286 min Scan# 2754
Delta R.T. 0.006 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

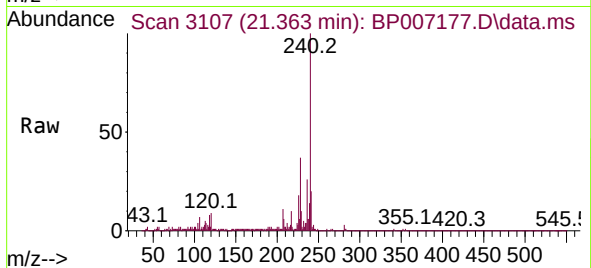
Tgt Ion:202 Resp: 7693733
Ion Ratio Lower Upper
202 100
101 9.0 0.0 27.6
203 18.8 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.363 min Scan# 3107
Delta R.T. 0.006 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

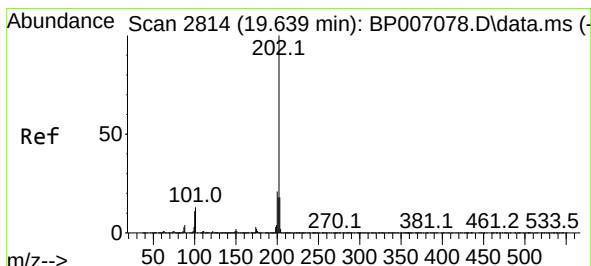
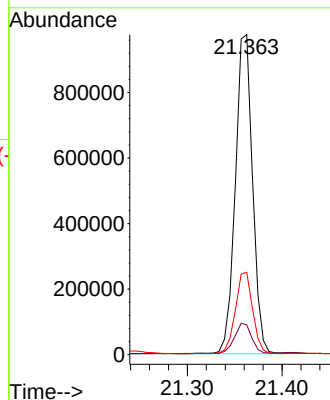
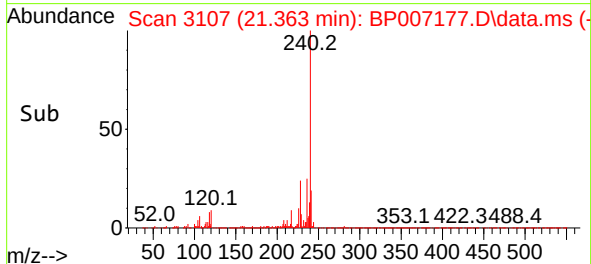
Instrument :
BNA_P
ClientSampleId :
TP-9



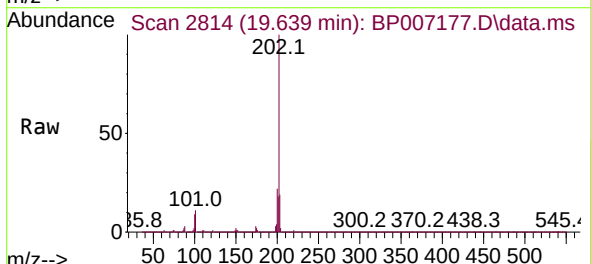
Tgt Ion:240 Resp: 1225980
Ion Ratio Lower Upper
240 100
120 9.3 6.5 9.7
236 25.8 20.6 31.0

Manual Integrations
APPROVED

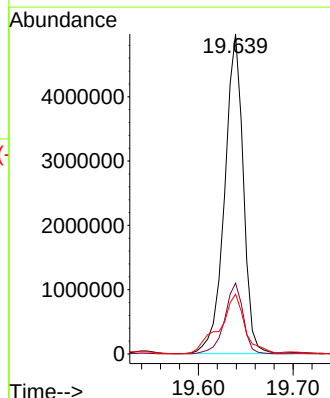
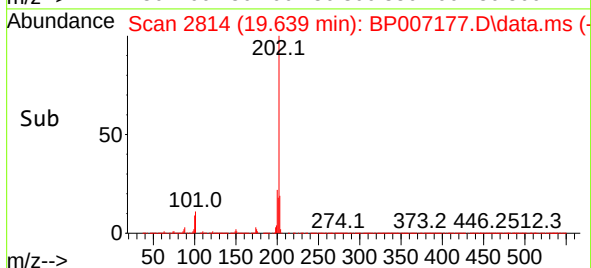
mohammad
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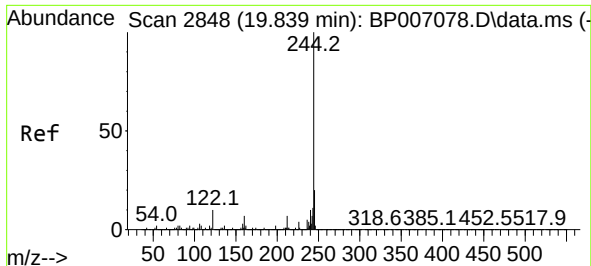


#78
Pyrene
Concen: 84.556 ng
RT: 19.639 min Scan# 2814
Delta R.T. 0.006 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36



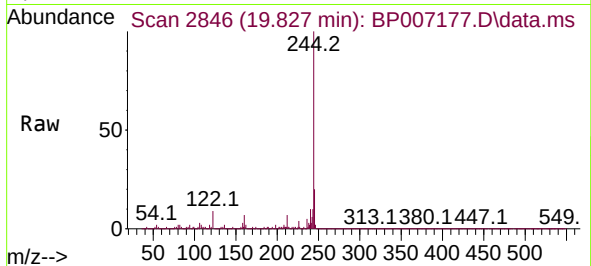
Tgt Ion:202 Resp: 6801263
Ion Ratio Lower Upper
202 100
200 22.2 16.3 24.5
203 18.7 14.2 21.2





#79
 Terphenyl-d14
 Concen: 45.216 ng
 RT: 19.827 min Scan# 2846
 Delta R.T. -0.006 min
 Lab File: BP007177.D
 Acq: 25 Sep 2021 01:36

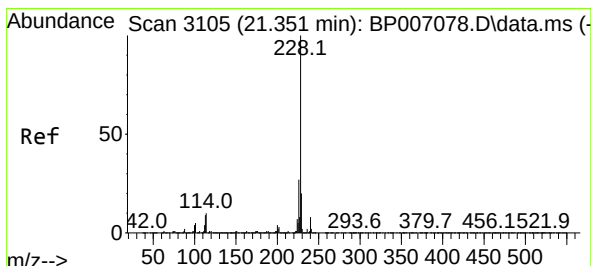
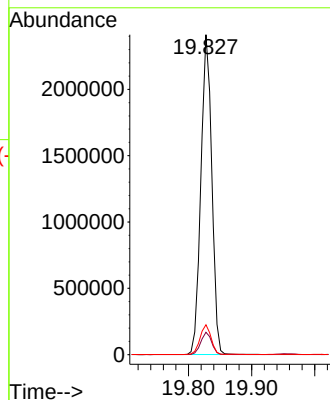
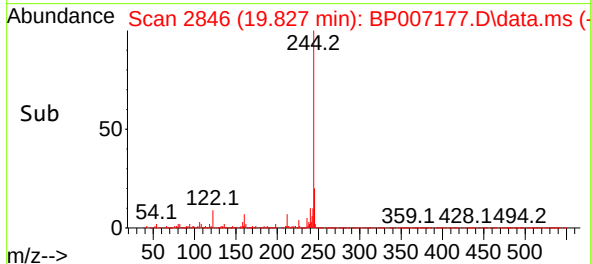
Instrument :
 BNA_P
 ClientSampled :
 TP-9



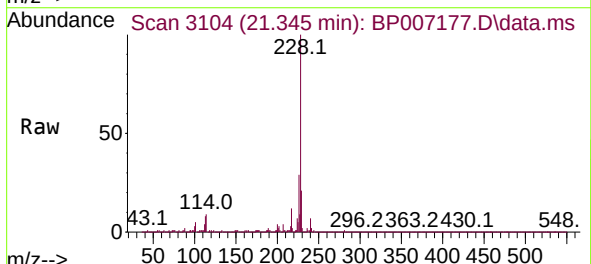
Tgt Ion:244 Resp: 2892799
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.4 7.1 10.7

Manual Integrations
 APPROVED

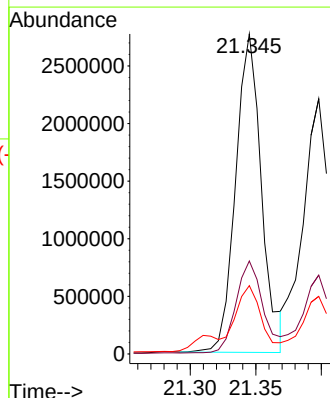
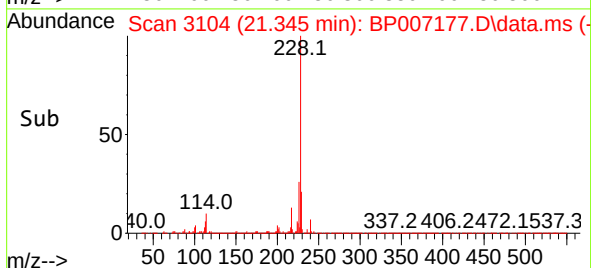
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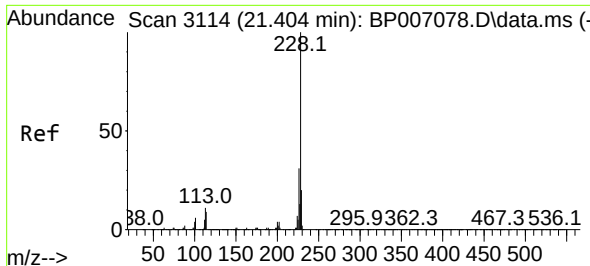


#81
 Benzo(a)anthracene
 Concen: 47.523 ng
 RT: 21.345 min Scan# 3104
 Delta R.T. -0.000 min
 Lab File: BP007177.D
 Acq: 25 Sep 2021 01:36



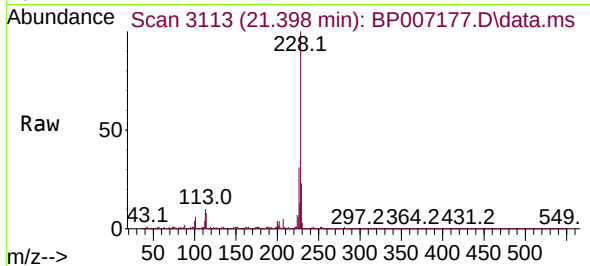
Tgt Ion:228 Resp: 3781792
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.6 32.4
 229 21.4 15.8 23.6





#83
Chrysene
Concen: 40.492 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

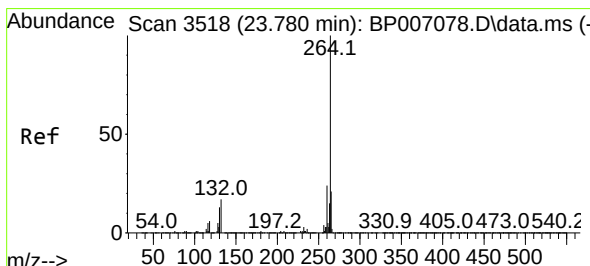
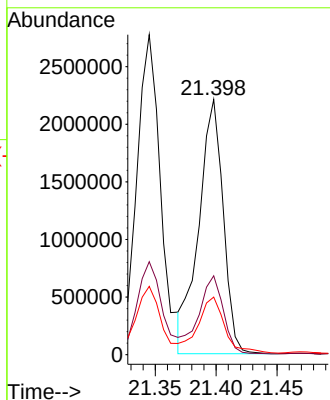
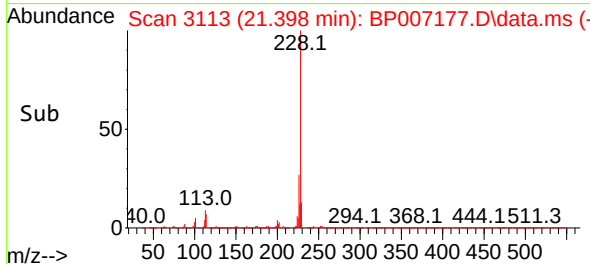
Instrument :
BNA_P
ClientSampleId :
TP-9



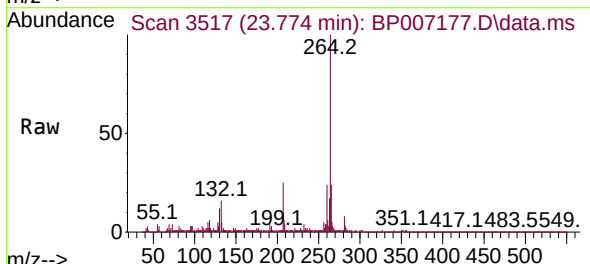
Tgt Ion:228 Resp: 3079644
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.6
229 22.6 15.4 23.2

Manual Integrations
APPROVED

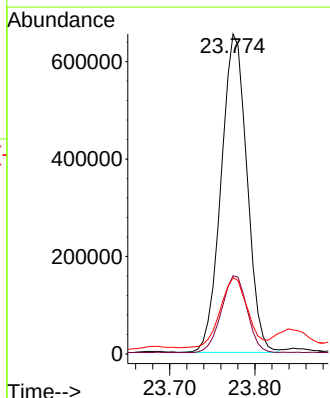
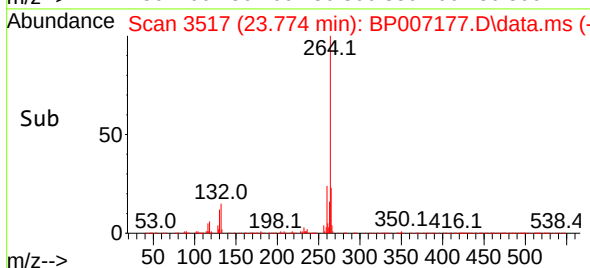
mohammad
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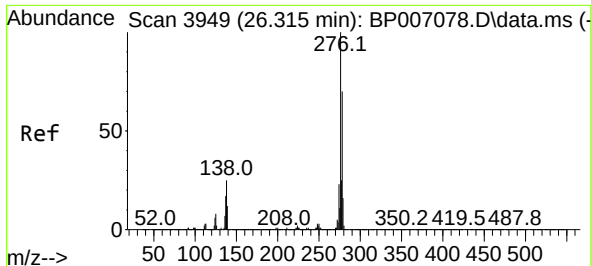


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.774 min Scan# 3517
Delta R.T. 0.006 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36



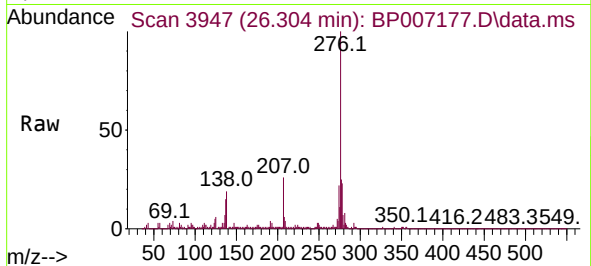
Tgt Ion:264 Resp: 1376793
Ion Ratio Lower Upper
264 100
260 24.5 18.6 28.0
265 23.8 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 20.054 ng
RT: 26.304 min Scan# 3947
Delta R.T. -0.000 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

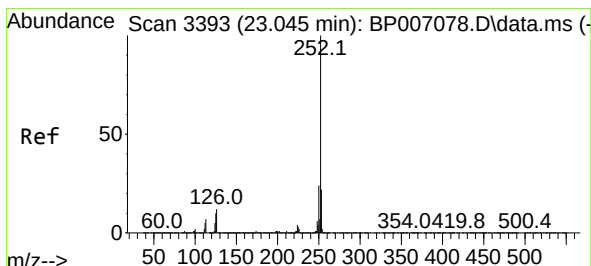
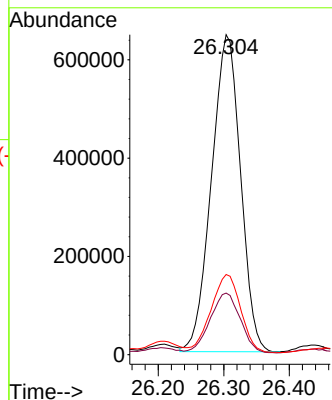
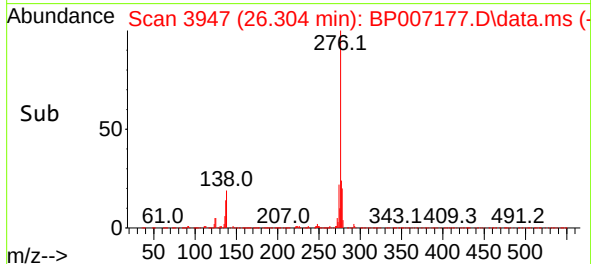
Instrument :
BNA_P
ClientSampled :
TP-9



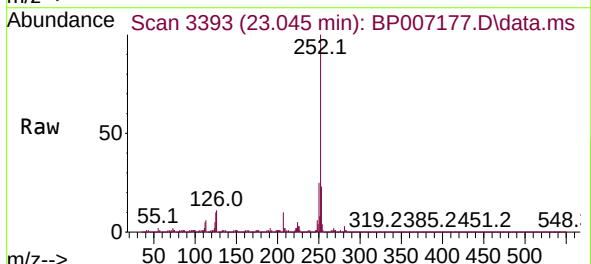
Tgt Ion:276 Resp: 1984185
Ion Ratio Lower Upper
276 100
138 19.6 15.3 22.9
277 25.1 20.4 30.6

Manual Integrations
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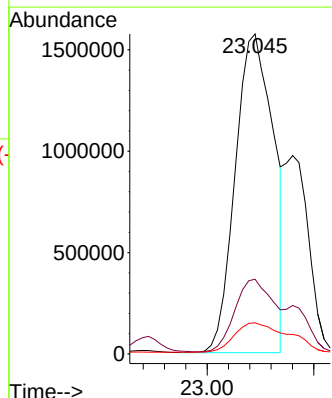
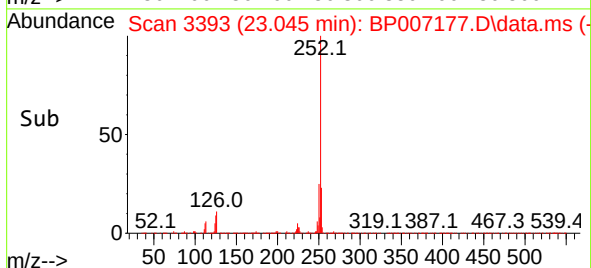
mohammad
9/27/2021 3:04:38 PM

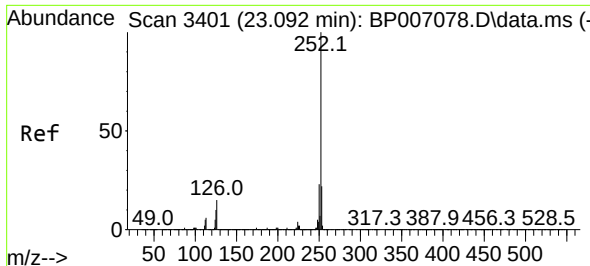


#88
Benzo(b)fluoranthene
Concen: 47.541 ng m
RT: 23.045 min Scan# 3393
Delta R.T. 0.012 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36



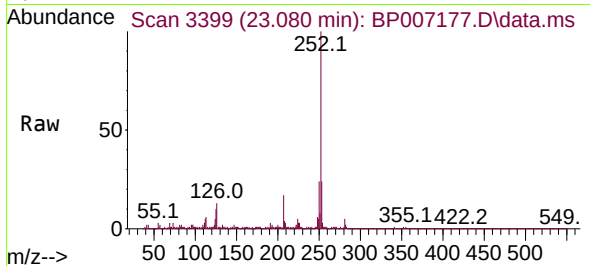
Tgt Ion:252 Resp: 3911635
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 9.8 6.2 9.4#





#89
Benzo(k)fluoranthene
Concen: 18.127 ng m
RT: 23.080 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

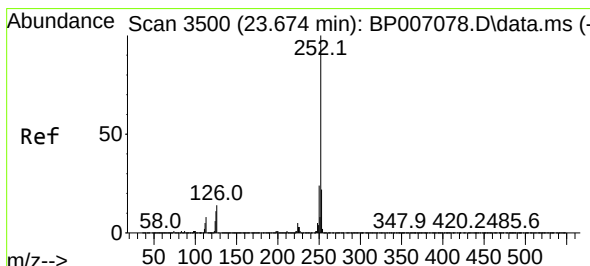
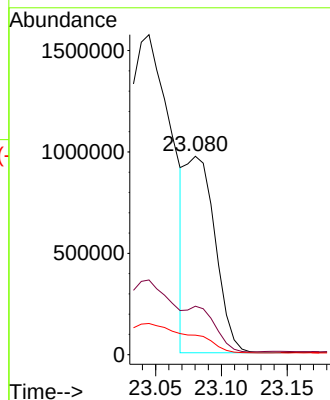
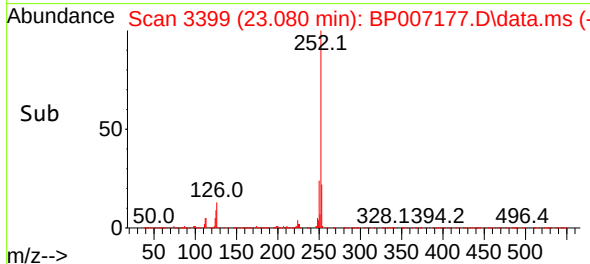
Instrument :
BNA_P
ClientSampled :
TP-9



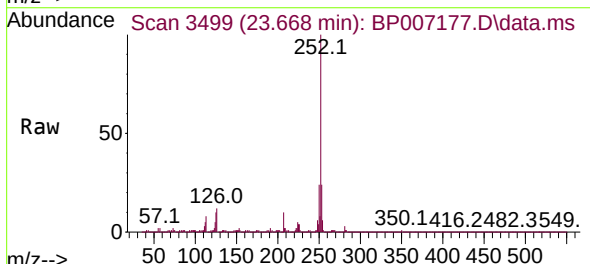
Tgt Ion:252 Resp: 1510064
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 9.9 6.0 9.0#

Manual Integrations
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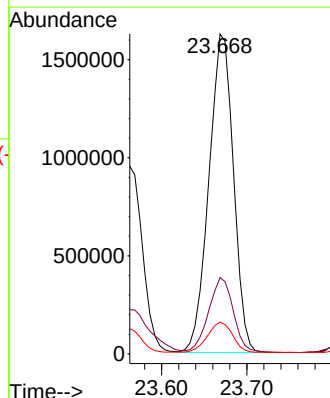
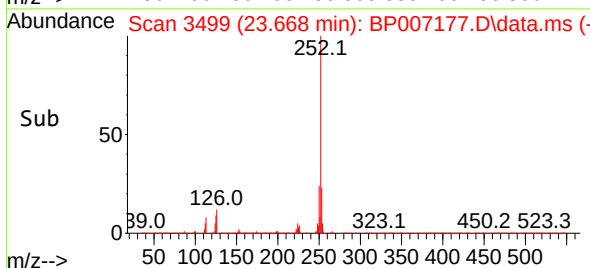
mohammad
9/27/2021 3:04:38 PM

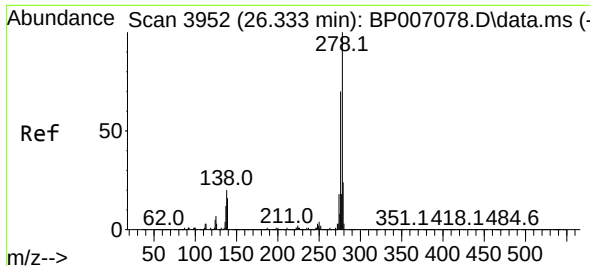


#90
Benzo(a)pyrene
Concen: 46.585 ng
RT: 23.668 min Scan# 3499
Delta R.T. -0.000 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36



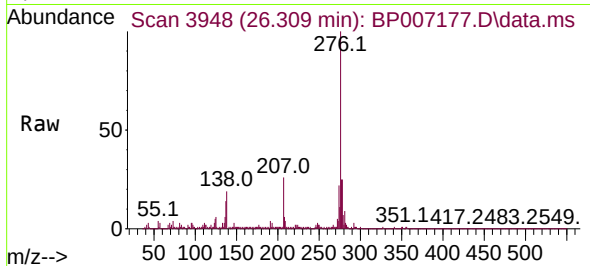
Tgt Ion:252 Resp: 3256458
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 10.0 6.5 9.7#





#91
Dibenzo(a,h)anthracene
Concen: 6.616 ng
RT: 26.309 min Scan# 3948
Delta R.T. -0.006 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36

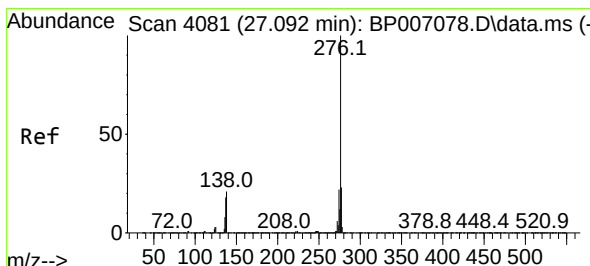
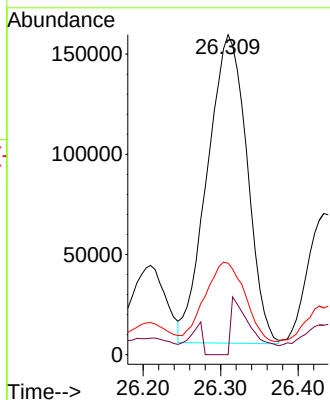
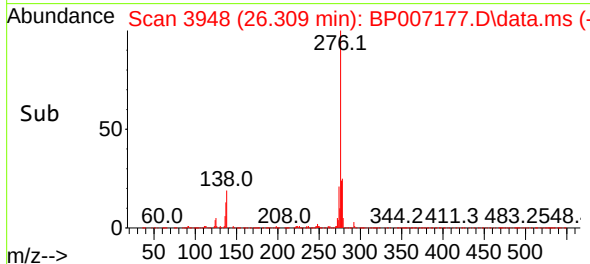
Instrument :
BNA_P
ClientSampled :
TP-9



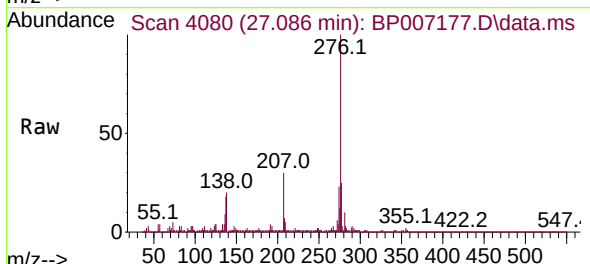
Tgt Ion:278 Resp: 548558
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 28.6 18.8 28.2#

Manual Integrations
APPROVED

mohammad
9/27/2021 3:04:38 PM



#92
Benzo(g,h,i)perylene
Concen: 23.374 ng
RT: 27.086 min Scan# 4080
Delta R.T. 0.012 min
Lab File: BP007177.D
Acq: 25 Sep 2021 01:36



Tgt Ion:276 Resp: 1891402
Ion Ratio Lower Upper
276 100
277 24.6 18.9 28.3
138 19.9 12.6 18.8#

