

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100521\
 Data File : BP007346.D
 Acq On : 06 Oct 2021 02:52
 Operator : CG/JU
 Sample : M4067-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-02-100421

Manual Integrations
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10/8/2021 8:33:15 AM

Quant Time: Oct 06 05:29:06 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 12:49:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	189689	20.00	ng	0.00
21) Naphthalene-d8	10.663	136	729034	20.00	ng	# 0.00
39) Acenaphthene-d10	14.498	164	450696	20.00	ng	0.00
64) Phenanthrene-d10	17.251	188	906382	20.00	ng	0.00
76) Chrysene-d12	21.345	240	913145	20.00	ng	0.00
86) Perylene-d12	23.751	264	991906	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	534336	47.15	ng	0.00
7) Phenol-d6	7.046	99	638806	41.25	ng	0.00
23) Nitrobenzene-d5	9.028	82	379366	30.30	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	252270	43.17	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	895059	28.45	ng	0.00
79) Terphenyl-d14	19.810	244	1227413	25.76	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.222	152	1439775	36.00	ng	100
52) Acenaphthene	14.563	154	79778	3.29	ng	95
55) Dibenzofuran	14.898	168	128304	3.17	ng	# 95
58) Fluorene	15.545	166	287143	9.19	ng	96
71) Phenanthrene	17.292	178	2802887	57.67	ng	99
72) Anthracene	17.386	178	1397228	29.39	ng	99
73) Carbazole	17.657	167	172566	3.70	ng	97
75) Fluoranthene	19.269	202	6409960	114.48	ng	97
78) Pyrene	19.621	202	5928095	98.95	ng	97
81) Benzo(a)anthracene	21.327	228	3751371	63.29	ng	93
83) Chrysene	21.380	228	3182034	56.17	ng	95
87) Indeno(1,2,3-cd)pyrene	26.286	276	2813451	39.47	ng	99
88) Benzo(b)fluoranthene	23.021	252	5236656	88.34	ng	# 96
89) Benzo(k)fluoranthene	23.062	252	1736338m	28.93	ng	
90) Benzo(a)pyrene	23.651	252	3977271	78.97	ng	# 97
91) Dibenzo(a,h)anthracene	26.286	278	740377	12.39	ng	# 85
92) Benzo(g,h,i)perylene	27.074	276	2596012	44.53	ng	# 95

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

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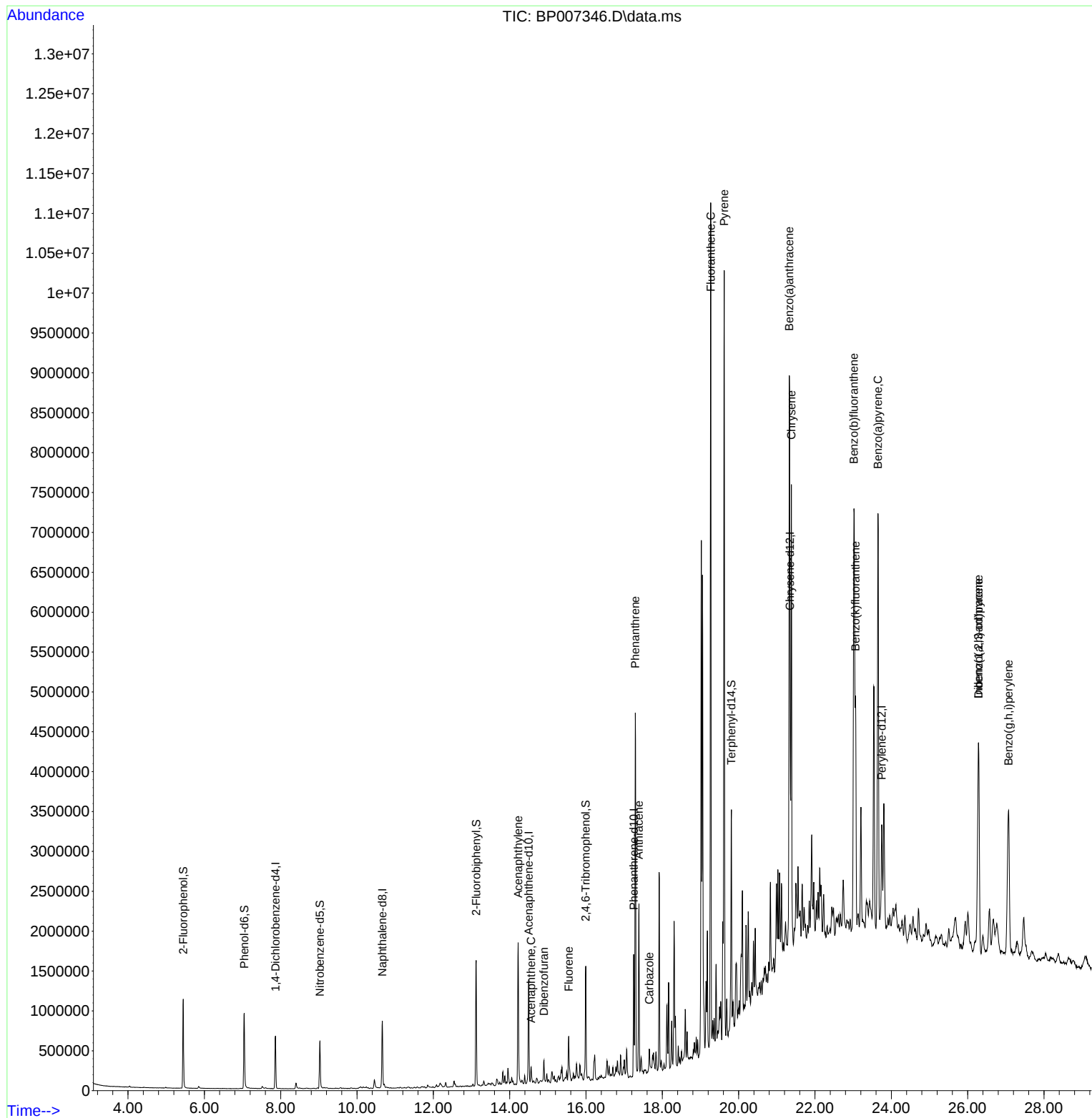
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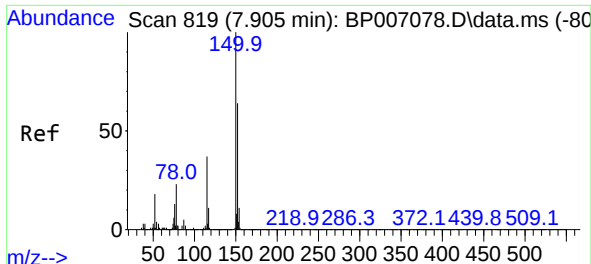
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#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.863 min Scan# 812
Delta R.T. 0.000 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

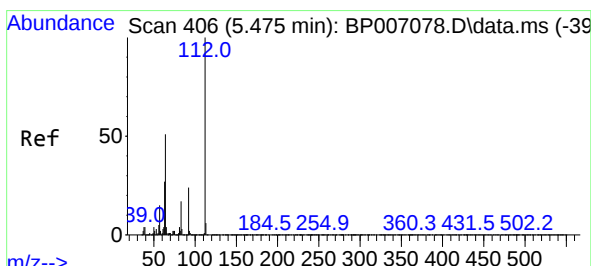
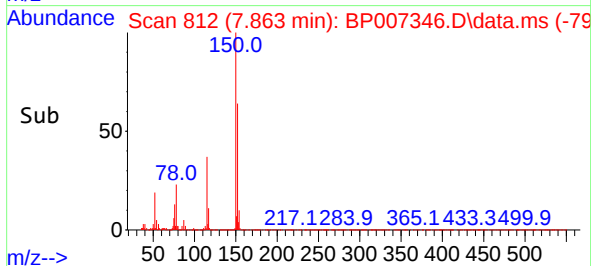
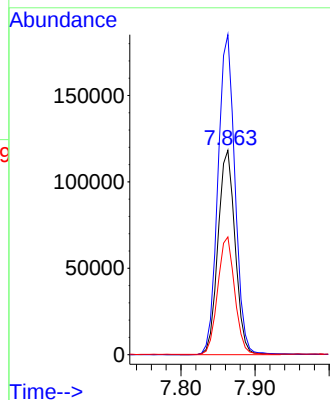
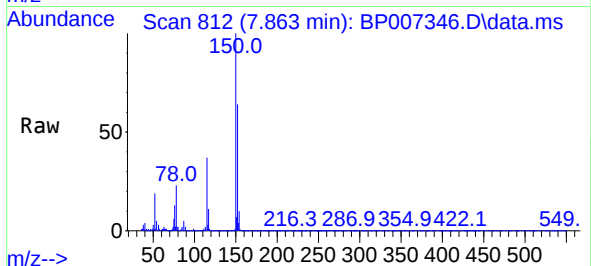
Tgt Ion:152 Resp: 189689
Ion Ratio Lower Upper
152 100
150 156.6 125.6 188.4
115 57.6 48.5 72.7

Instrument :
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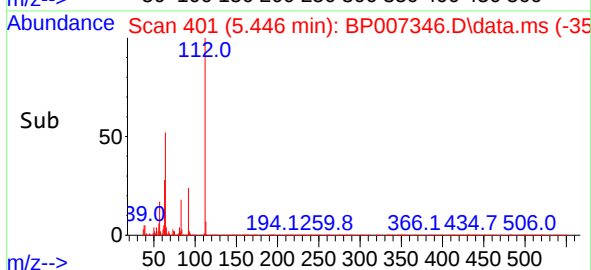
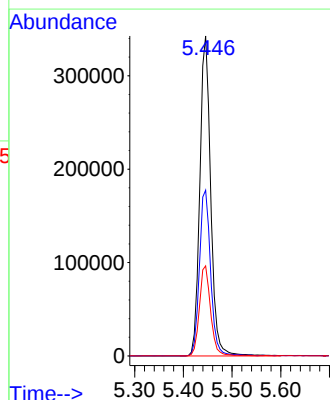
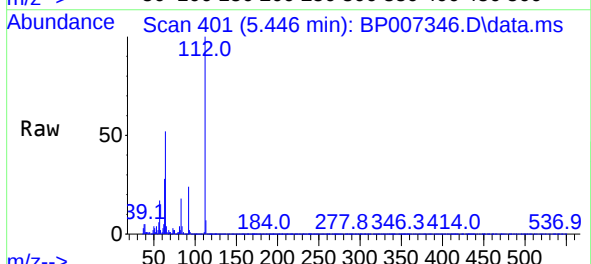
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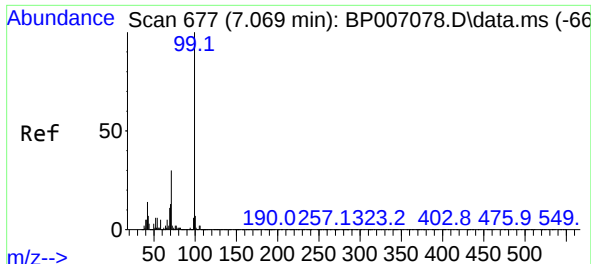
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#5
2-Fluorophenol
Concen: 47.15 ng
RT: 5.446 min Scan# 401
Delta R.T. -0.006 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Tgt Ion:112 Resp: 534336
Ion Ratio Lower Upper
112 100
64 51.8 41.4 62.2
63 28.1 23.8 35.8





#7
Phenol-d6
Concen: 41.25 ng
RT: 7.046 min Scan# 673
Delta R.T. -0.006 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Tgt Ion: 99 Resp: 638806

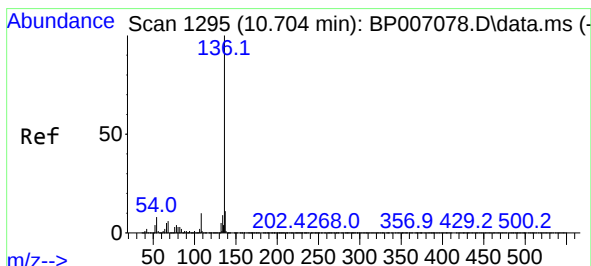
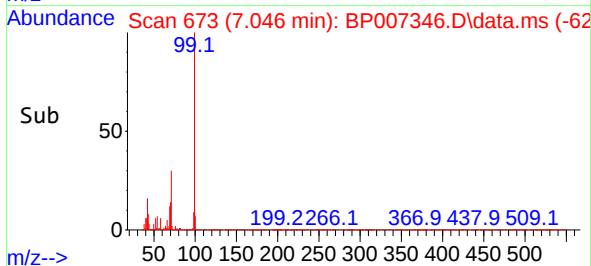
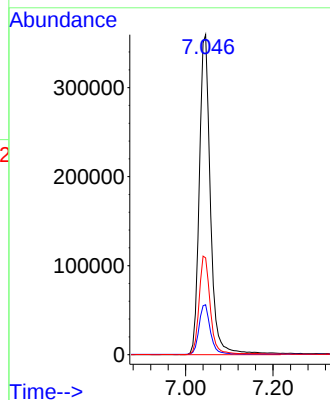
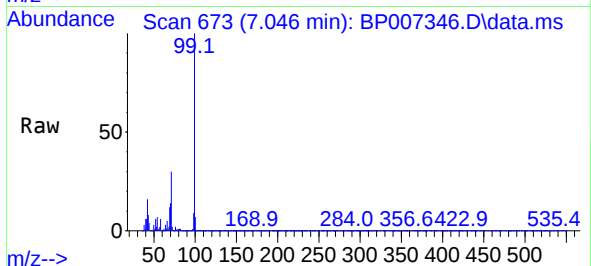
Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.4	20.0
71	30.3	30.6	46.0#

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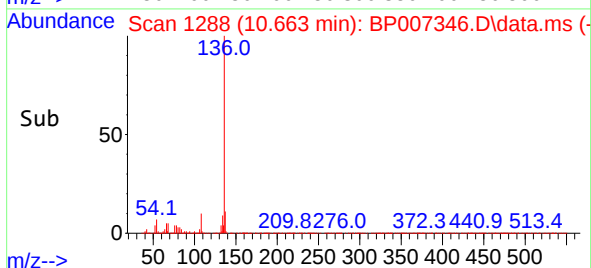
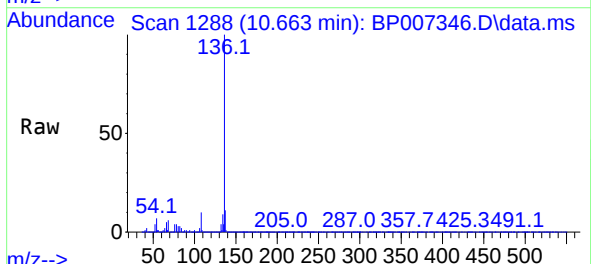
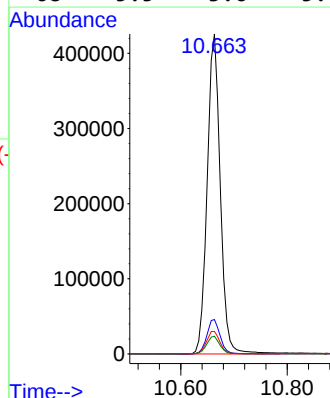
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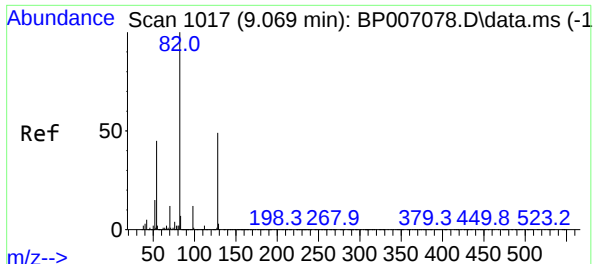


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Tgt Ion: 136 Resp: 729034

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	7.1	4.6	6.8#
68	5.5	3.6	5.4#





#23
Nitrobenzene-d5
Concen: 30.30 ng
RT: 9.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

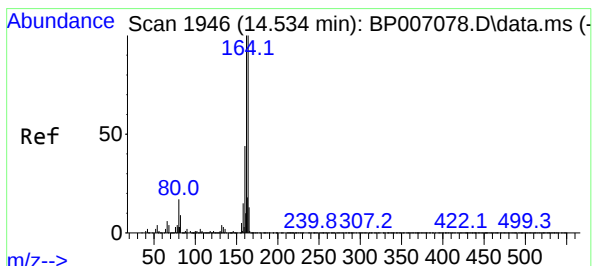
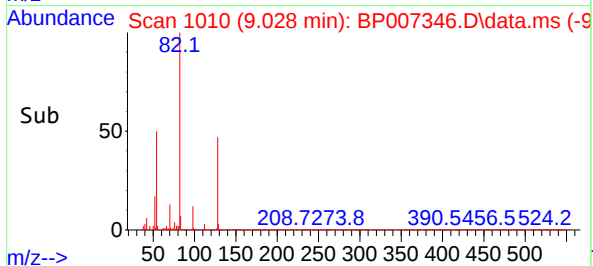
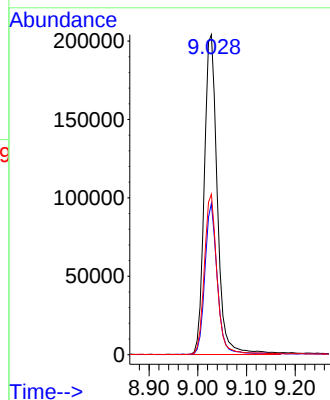
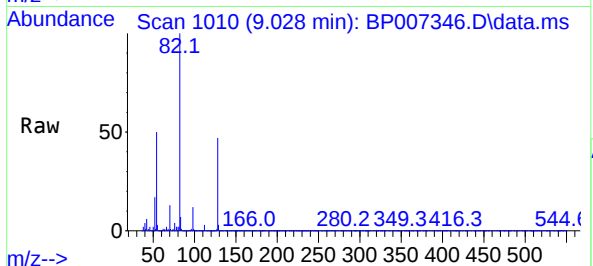
Tgt Ion: 82 Resp: 379366
Ion Ratio Lower Upper
82 100
128 47.2 35.7 53.5
54 50.1 35.0 52.4

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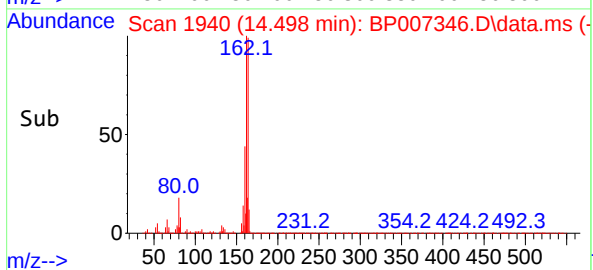
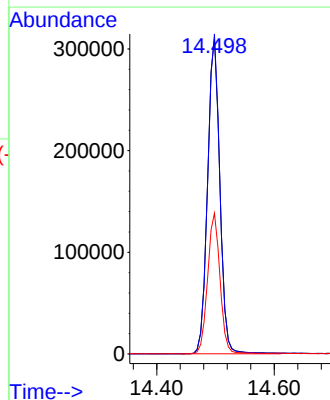
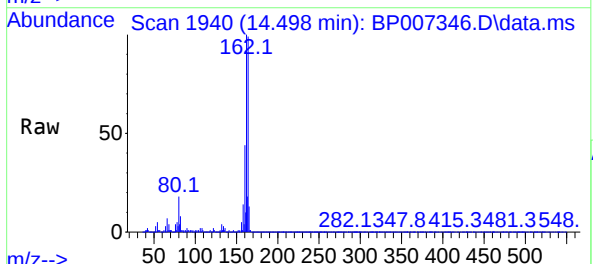
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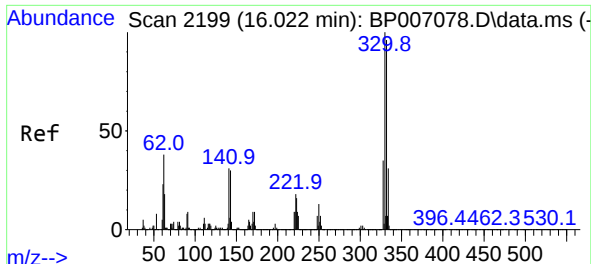
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Tgt Ion: 164 Resp: 450696
Ion Ratio Lower Upper
164 100
162 101.5 80.2 120.2
160 44.7 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 43.17 ng
RT: 15.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

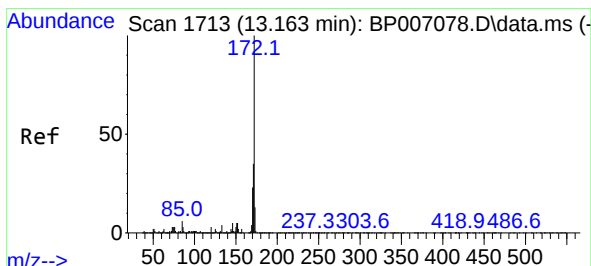
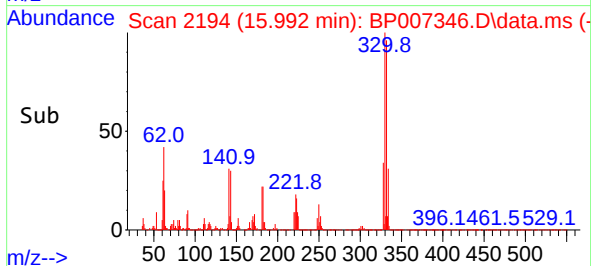
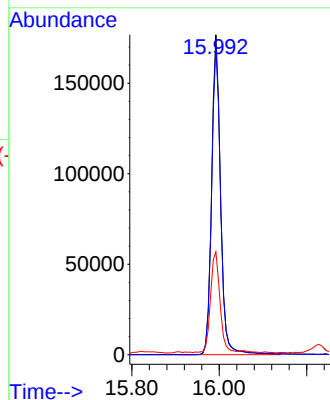
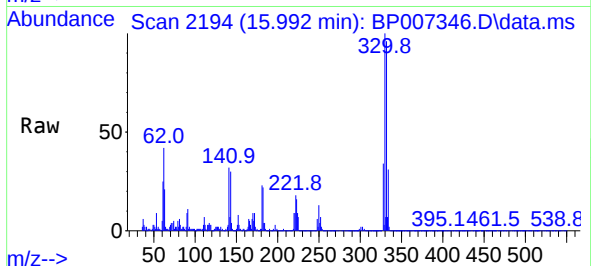
Tgt Ion: 330 Resp: 252270
Ion Ratio Lower Upper
330 100
332 96.7 77.8 116.8
141 33.0 25.4 38.2

Instrument :
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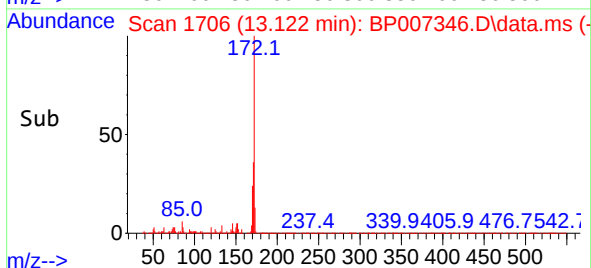
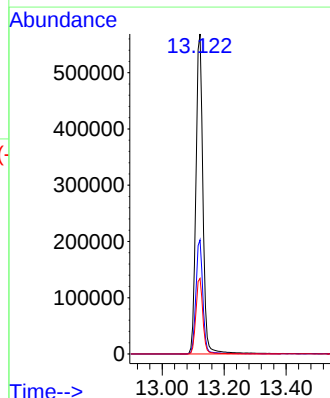
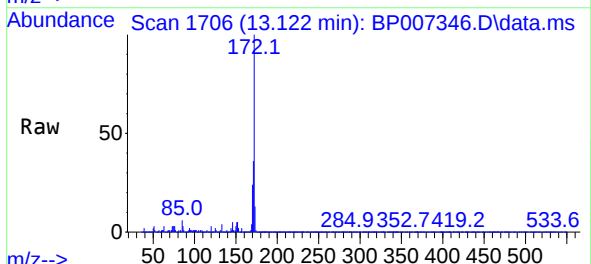
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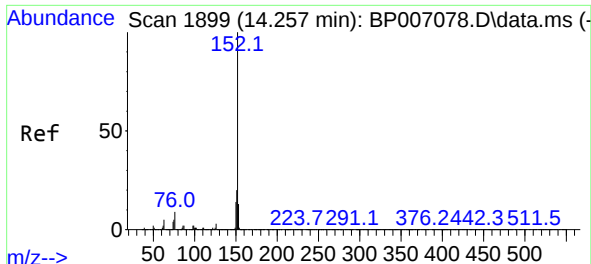
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#45
2-Fluorobiphenyl
Concen: 28.45 ng
RT: 13.122 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Tgt Ion: 172 Resp: 895059
Ion Ratio Lower Upper
172 100
171 35.6 27.9 41.9
170 23.6 18.6 27.8





#49
Acenaphthylene
Concen: 36.00 ng
RT: 14.222 min Scan# 1893
Delta R.T. 0.000 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

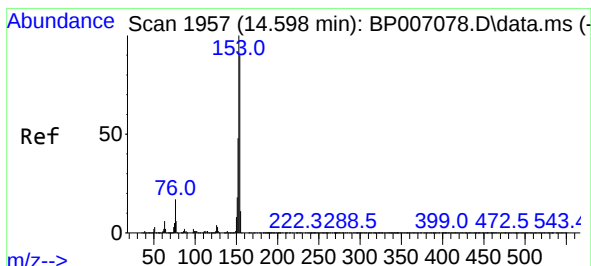
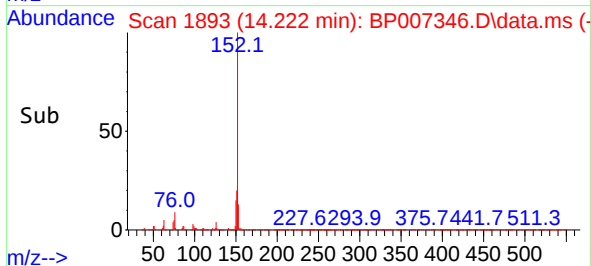
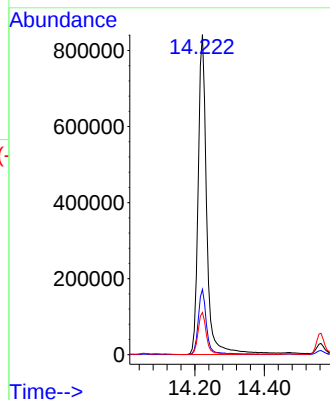
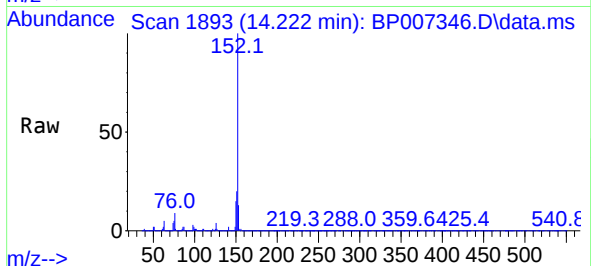
Tgt Ion:152 Resp: 1439775
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 13.2 10.6 16.0

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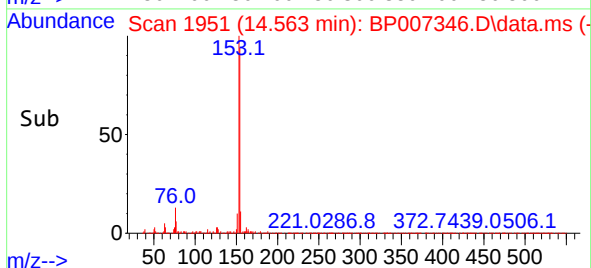
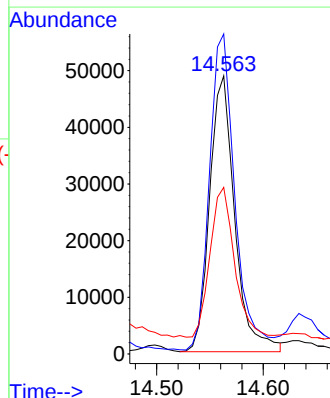
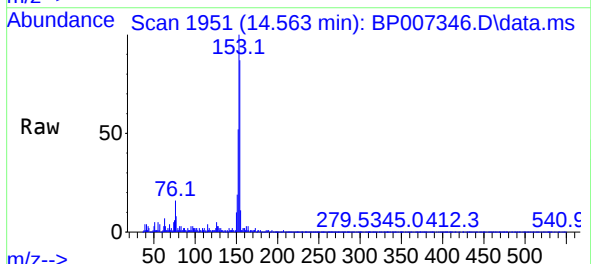
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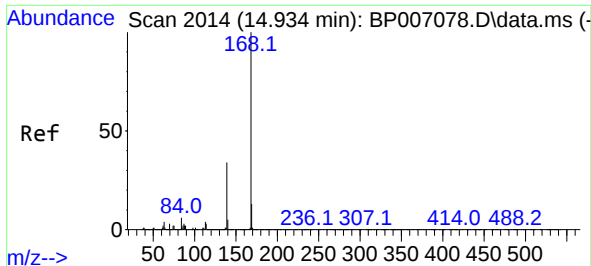
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#52
Acenaphthene
Concen: 3.29 ng
RT: 14.563 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

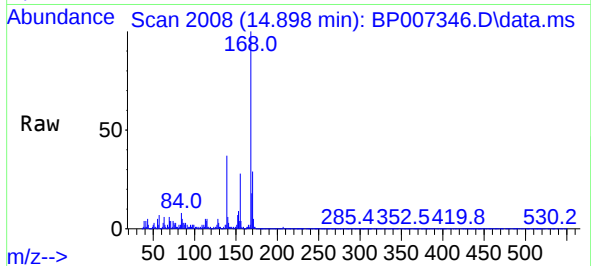
Tgt Ion:154 Resp: 79778
Ion Ratio Lower Upper
154 100
153 115.1 89.4 134.2
152 59.9 43.0 64.4





#55
Dibenzenofuran
Concen: 3.17 ng
RT: 14.898 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Instrument :
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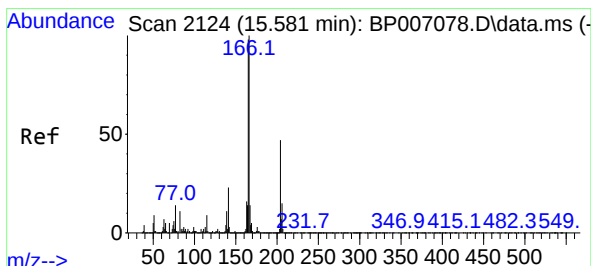
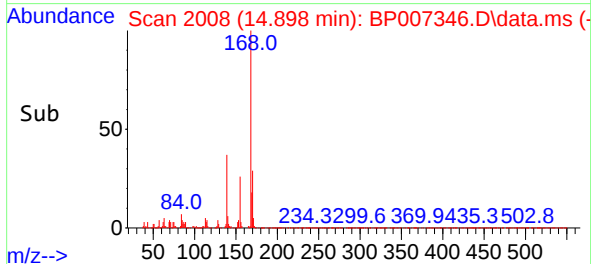
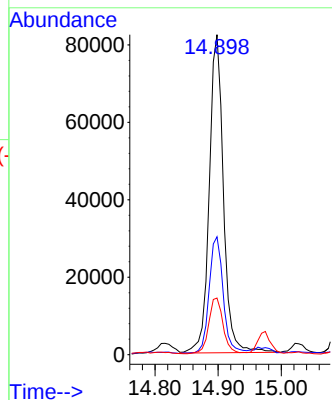


Tgt Ion:168 Resp: 128304
Ion Ratio Lower Upper
168 100
139 36.8 31.0 46.6
169 17.7 10.8 16.2#

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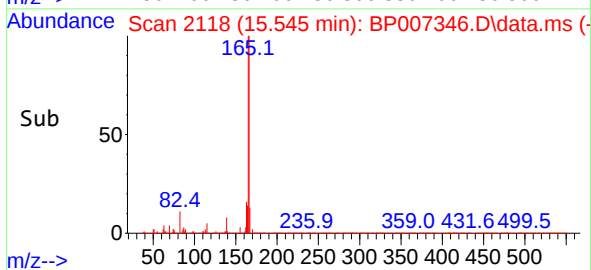
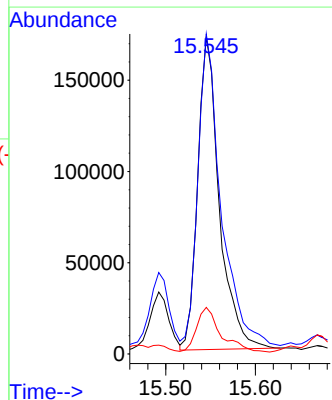
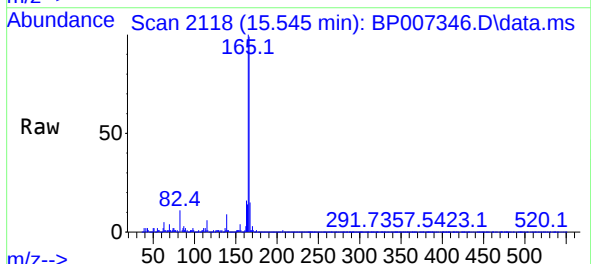
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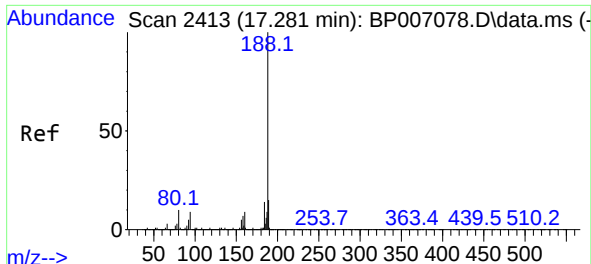
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#58
Fluorene
Concen: 9.19 ng
RT: 15.545 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Tgt Ion:166 Resp: 287143
Ion Ratio Lower Upper
166 100
165 100.9 78.0 117.0
167 14.7 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.251 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

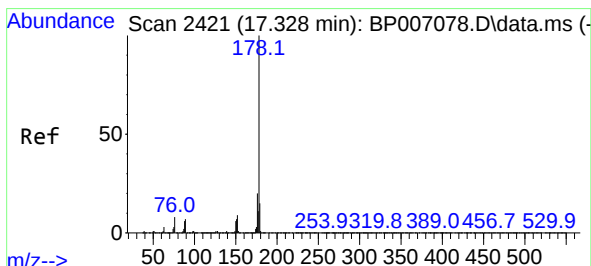
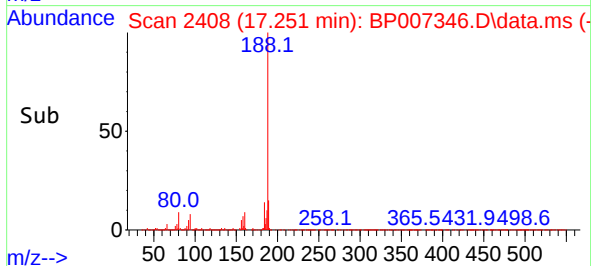
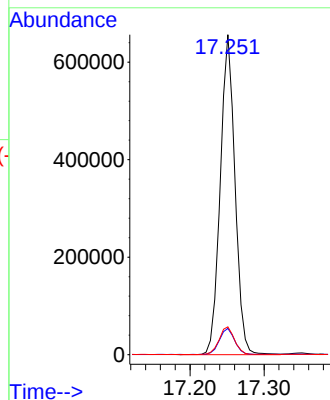
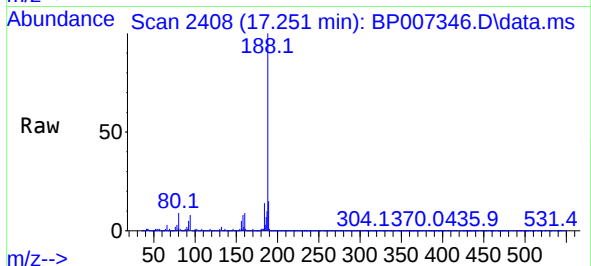
Tgt Ion:188 Resp: 906382
Ion Ratio Lower Upper
188 100
94 8.2 5.6 8.4
80 8.7 6.3 9.5

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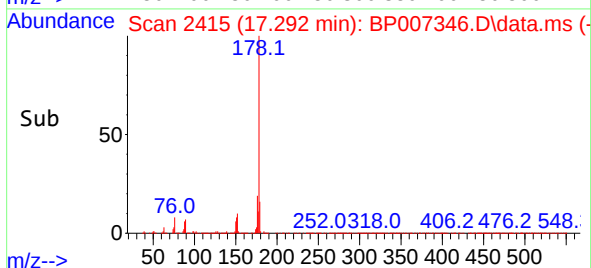
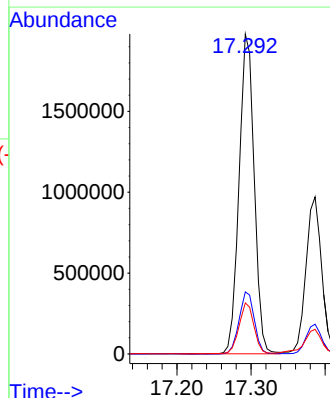
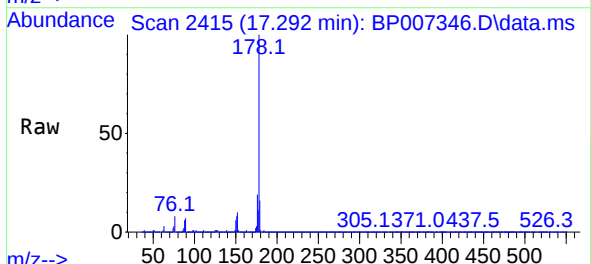
mohammad

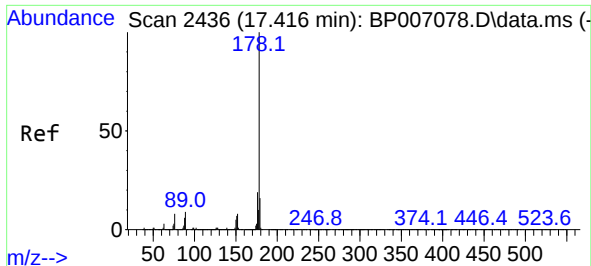
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#71
Phenanthrene
Concen: 57.67 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Tgt Ion:178 Resp: 2802887
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 15.9 12.4 18.6





#72
 Anthracene
 Concen: 29.39 ng
 RT: 17.386 min Scan# 2431
 Delta R.T. 0.000 min
 Lab File: BP007346.D
 Acq: 06 Oct 2021 02:52

Tgt Ion:178 Resp: 1397228

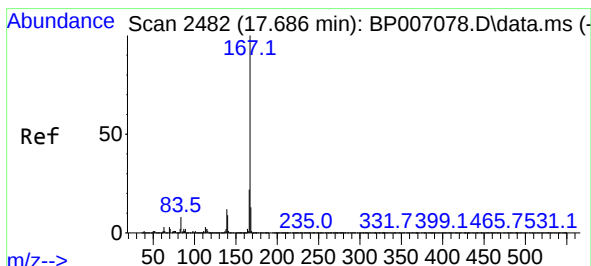
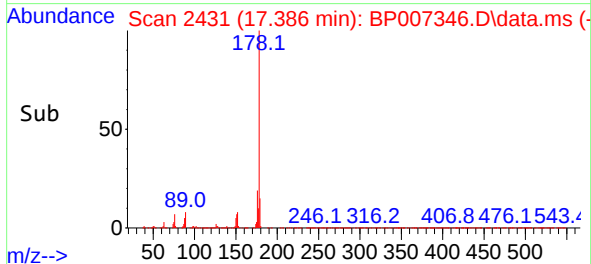
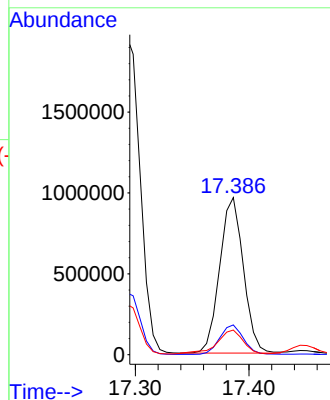
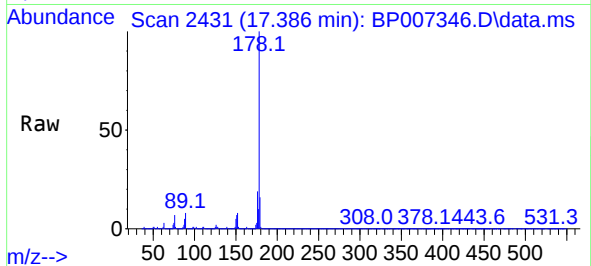
Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.7	12.2	18.2

Instrument :
 BNA_P
 ClientSampleId :
 SU-02-100421

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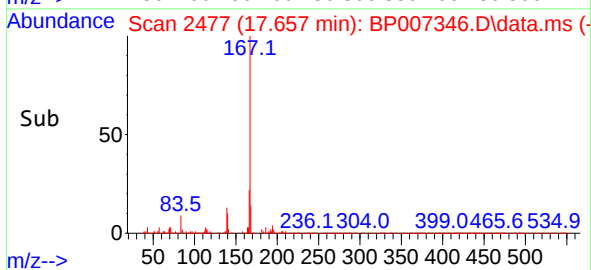
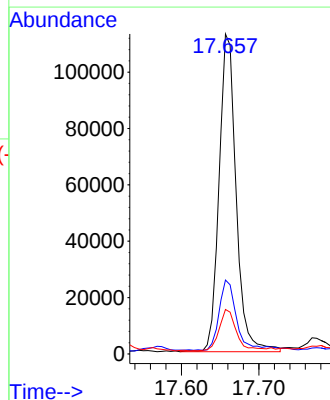
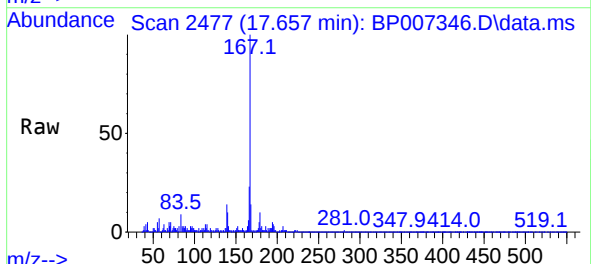
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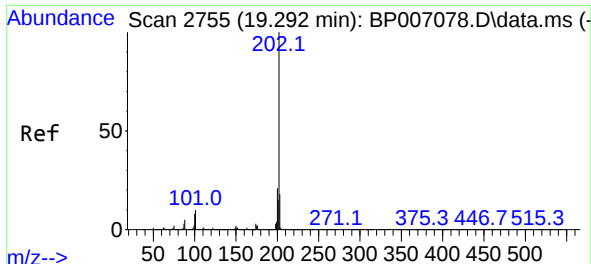


#73
 Carbazole
 Concen: 3.70 ng
 RT: 17.657 min Scan# 2477
 Delta R.T. -0.006 min
 Lab File: BP007346.D
 Acq: 06 Oct 2021 02:52

Tgt Ion:167 Resp: 172566

Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.1	25.7
139	13.9	10.7	16.1





#75
Fluoranthene
Concen: 114.48 ng
RT: 19.269 min Scan# 2751
Delta R.T. 0.006 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

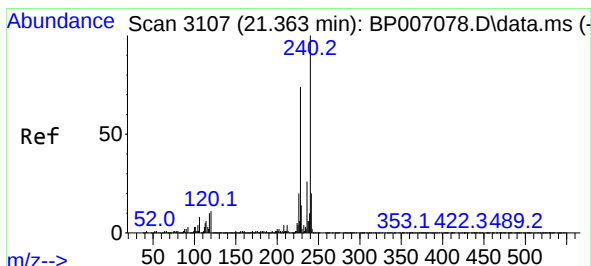
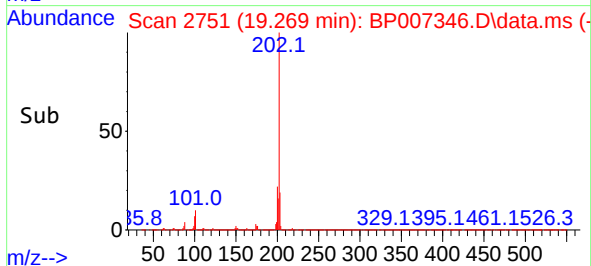
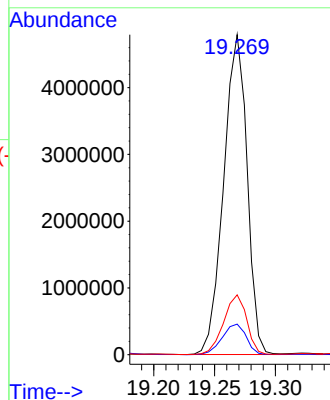
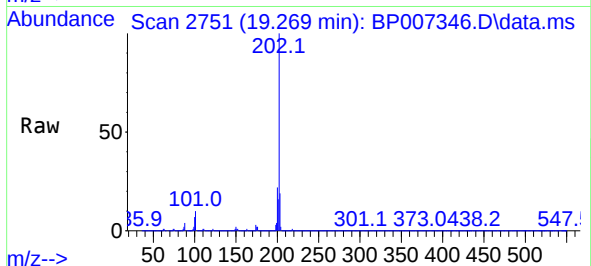
Tgt Ion:202 Resp: 6409960
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.6
203 18.7 0.0 37.8

Instrument :
BNA_P
ClientSampleId :
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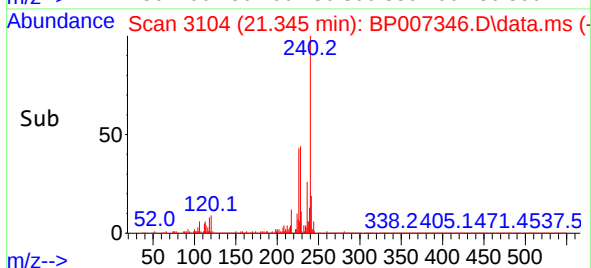
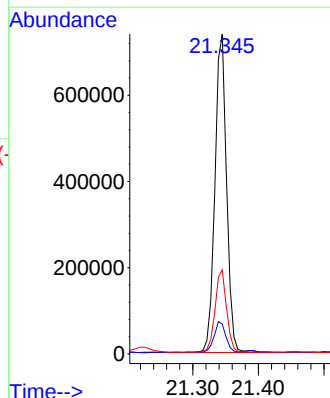
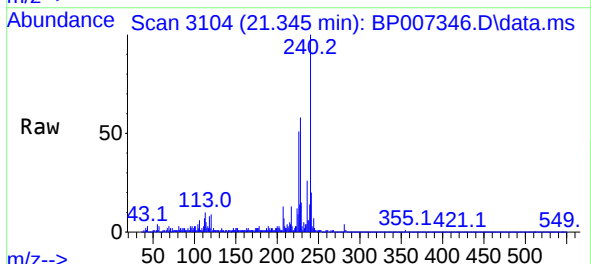
mohammad

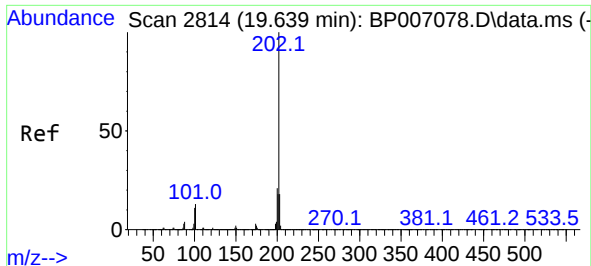
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.006 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Tgt Ion:240 Resp: 913145
Ion Ratio Lower Upper
240 100
120 9.4 6.5 9.7
236 26.2 20.6 31.0





#78
Pyrene
Concen: 98.95 ng
RT: 19.621 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

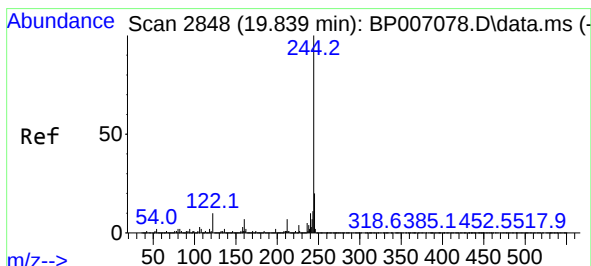
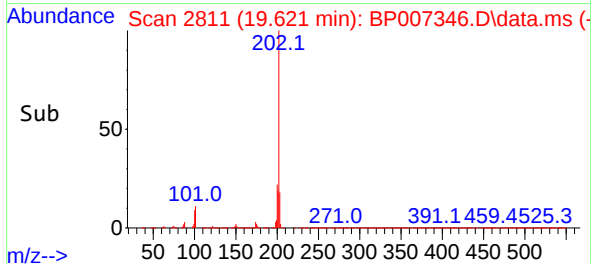
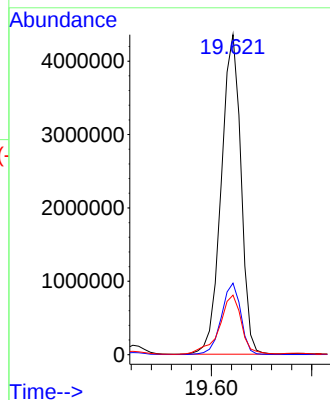
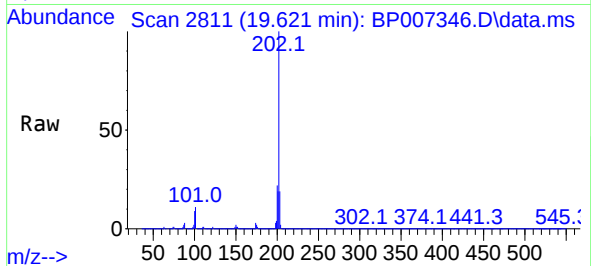
Tgt Ion:202 Resp: 5928095
Ion Ratio Lower Upper
202 100
200 22.4 16.3 24.5
203 18.6 14.2 21.2

Instrument :
BNA_P
ClientSampleId :
SU-02-100421

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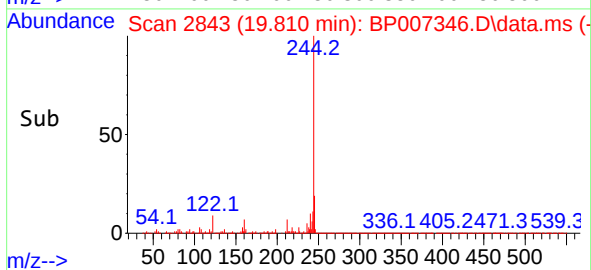
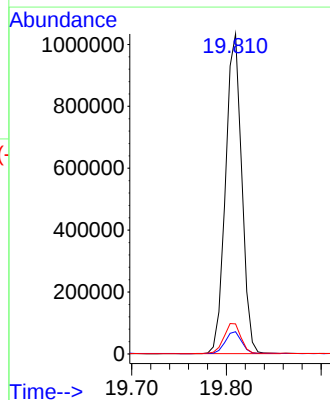
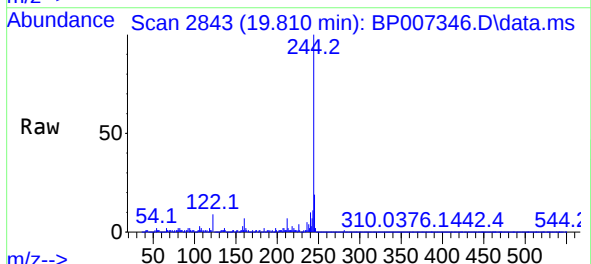
mohammad

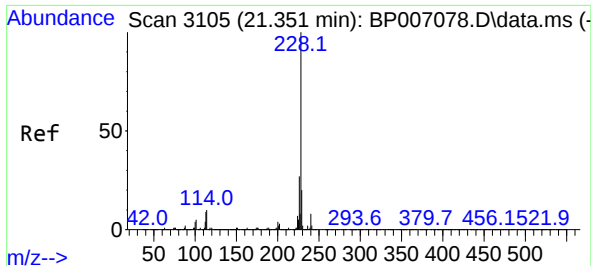
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#79
Terphenyl-d14
Concen: 25.76 ng
RT: 19.810 min Scan# 2843
Delta R.T. 0.000 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Tgt Ion:244 Resp: 1227413
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 9.4 7.1 10.7





#81
Benzo(a)anthracene
Concen: 63.29 ng
RT: 21.327 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

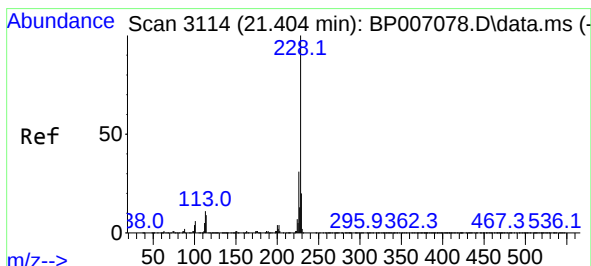
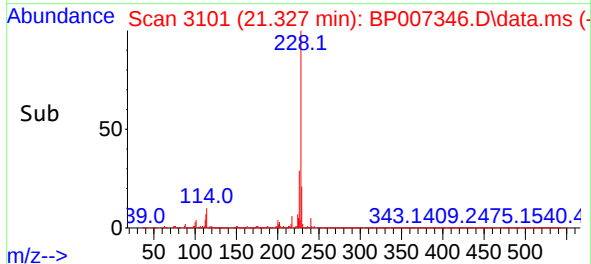
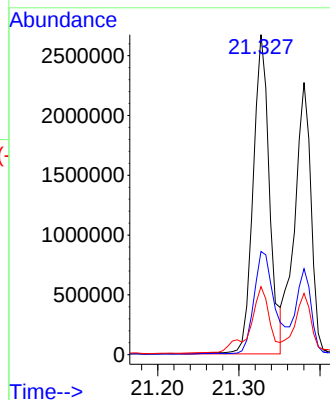
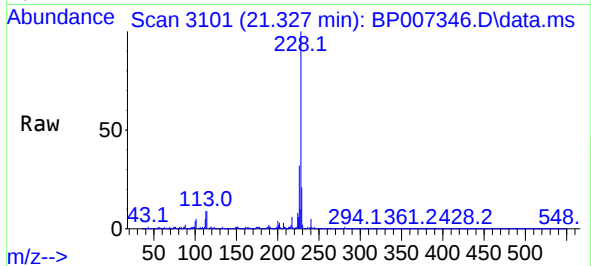
Tgt Ion:228 Resp: 3751371
Ion Ratio Lower Upper
228 100
226 32.3 21.6 32.4
229 21.2 15.8 23.6

Instrument :
BNA_P
ClientSampleId :
SU-02-100421

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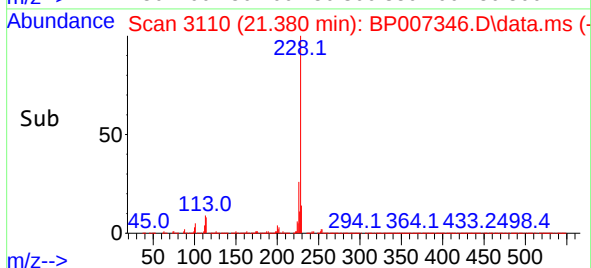
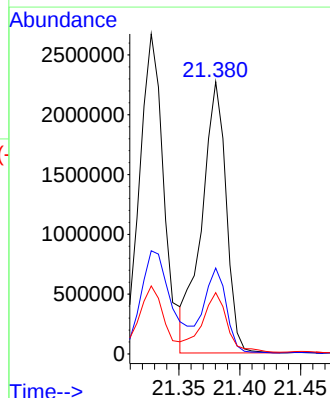
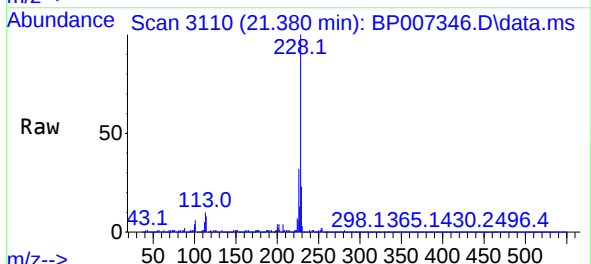
mohammad

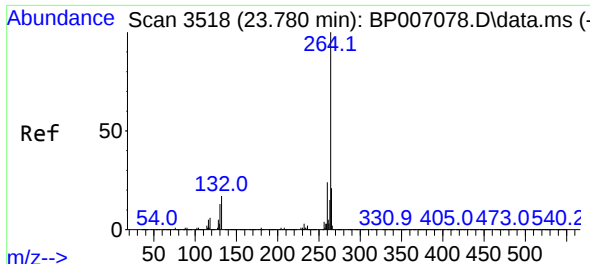
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#83
Chrysene
Concen: 56.17 ng
RT: 21.380 min Scan# 3110
Delta R.T. 0.000 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Tgt Ion:228 Resp: 3182034
Ion Ratio Lower Upper
228 100
226 31.6 23.8 35.6
229 22.5 15.4 23.2





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.751 min Scan# 3513
Delta R.T. 0.006 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

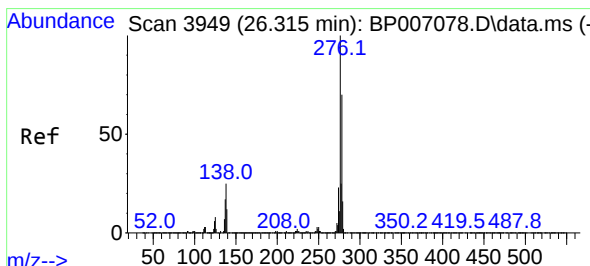
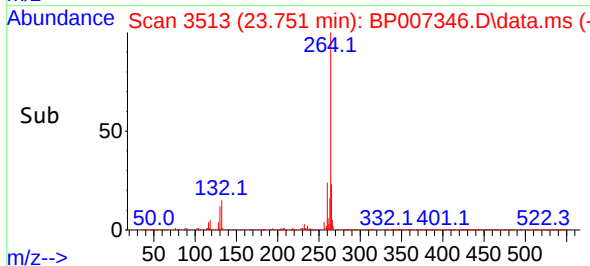
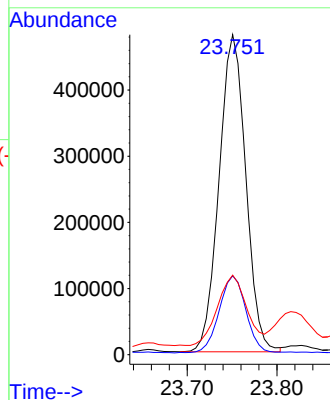
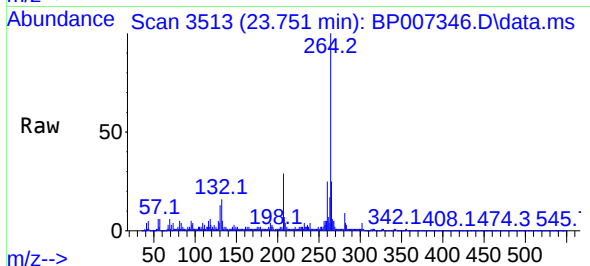
Tgt Ion:	264	Resp:	991906
Ion Ratio	Lower	Upper	
264	100		
260	24.7	18.6	28.0
265	24.9	17.6	26.4

Instrument :
BNA_P
ClientSampleId :
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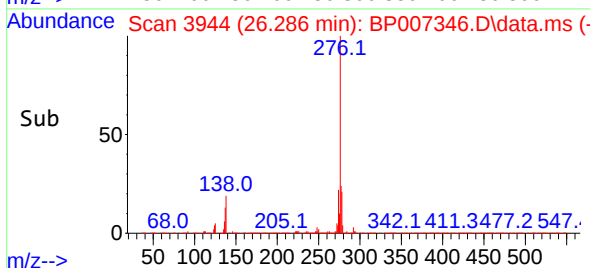
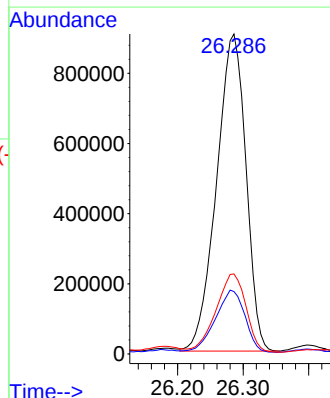
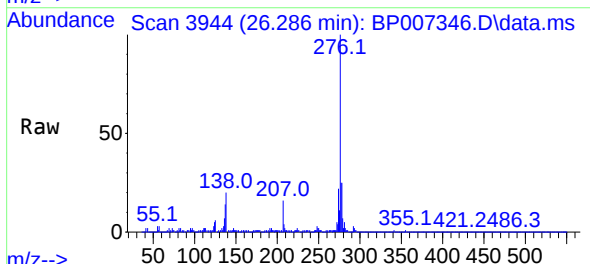
mohammad

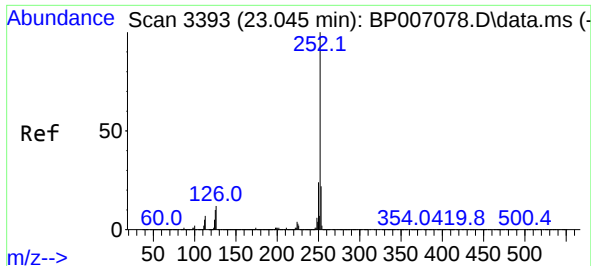
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#87
Indeno(1,2,3-cd)pyrene
Concen: 39.47 ng
RT: 26.286 min Scan# 3944
Delta R.T. 0.018 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

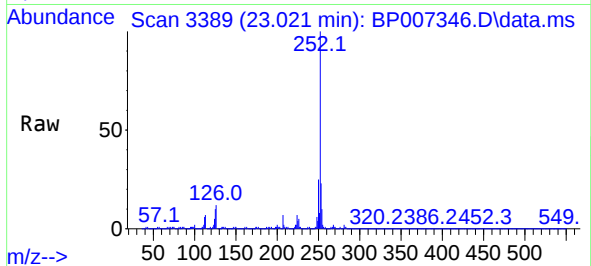
Tgt Ion:	276	Resp:	2813451
Ion Ratio	Lower	Upper	
276	100		
138	19.9	15.3	22.9
277	25.2	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 88.34 ng
RT: 23.021 min Scan# 3389
Delta R.T. 0.012 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Instrument :
BNA_P
ClientSampleId :
SU-02-100421

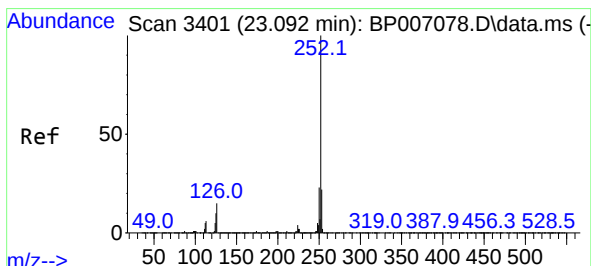
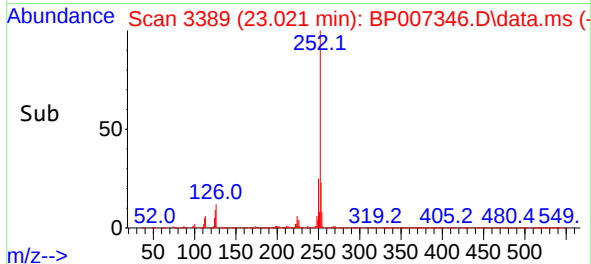
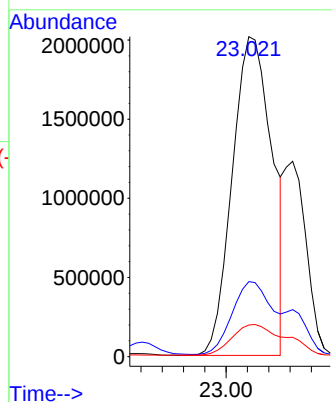


Tgt Ion:252 Resp: 5236656
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 9.9 6.2 9.4#

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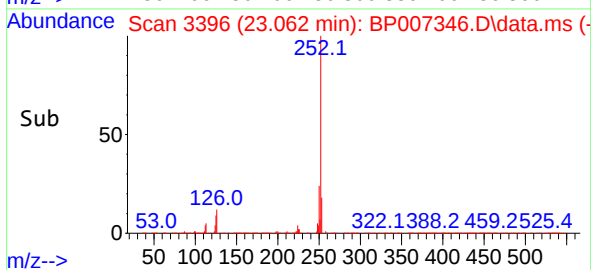
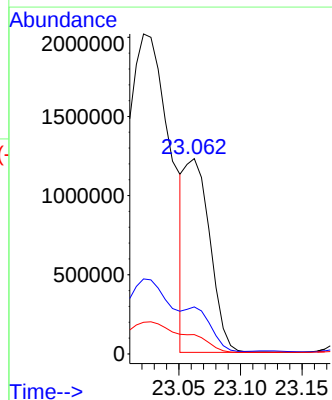
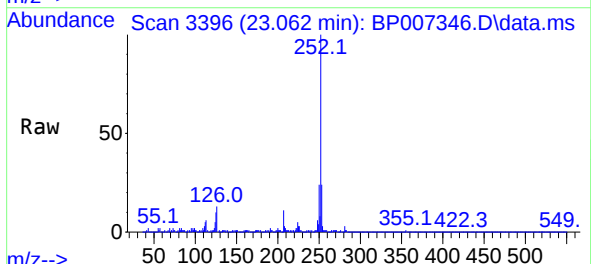
mohammad

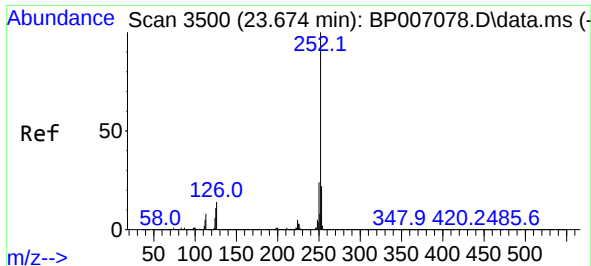
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#89
Benzo(k)fluoranthene
Concen: 28.93 ng m
RT: 23.062 min Scan# 3396
Delta R.T. 0.006 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Tgt Ion:252 Resp: 1736338
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 9.9 6.0 9.0#





#90
Benzo(a)pyrene
Concen: 78.97 ng
RT: 23.651 min Scan# 3496
Delta R.T. 0.012 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

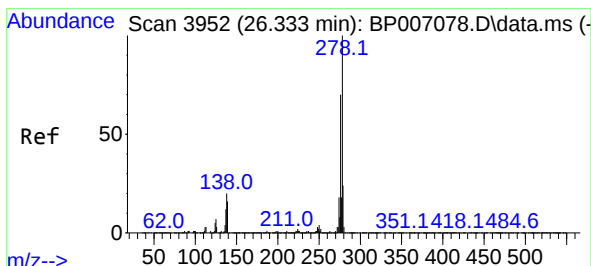
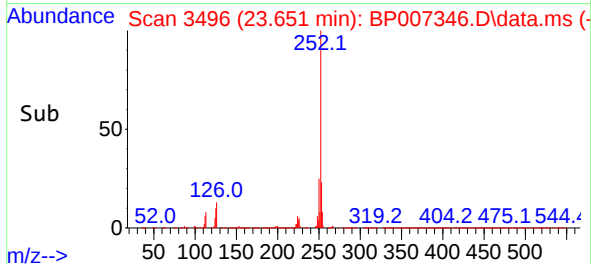
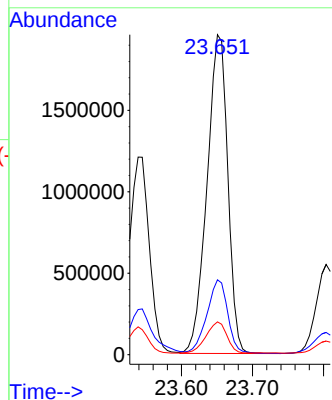
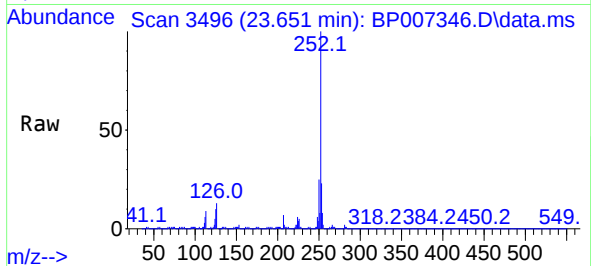
Tgt Ion:252 Resp: 3977271
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 10.3 6.5 9.7#

Instrument :
BNA_P
ClientSampleId :
SU-02-100421

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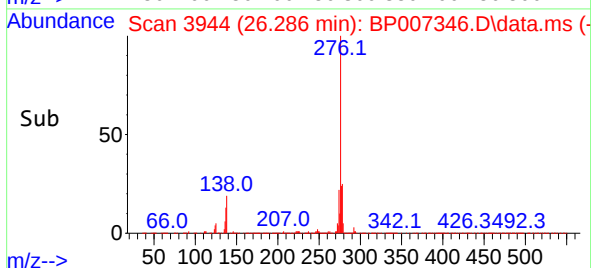
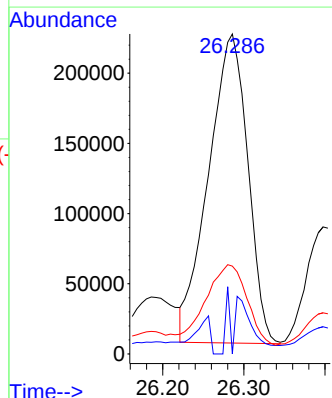
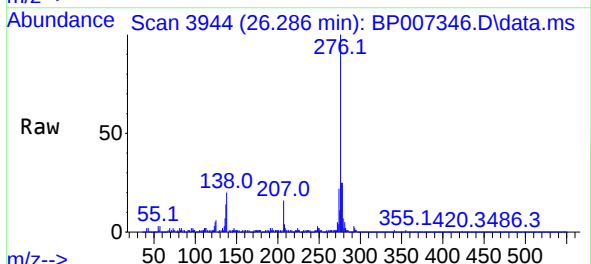
mohammad

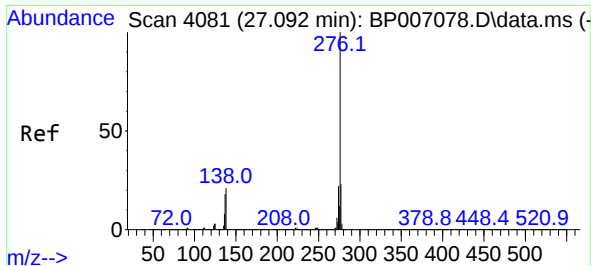
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#91
Dibenzo(a,h)anthracene
Concen: 12.39 ng
RT: 26.286 min Scan# 3944
Delta R.T. 0.006 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Tgt Ion:278 Resp: 740377
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 27.4 18.8 28.2





#92
Benzo(g,h,i)perylene
Concen: 44.53 ng
RT: 27.074 min Scan# 4078
Delta R.T. 0.030 min
Lab File: BP007346.D
Acq: 06 Oct 2021 02:52

Tgt Ion: 276 Resp: 2596012
Ion Ratio Lower Upper
276 100
277 24.3 18.9 28.3
138 19.6 12.6 18.8#

Instrument :
BNA_P
ClientSampleId :
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