

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062421\
 Data File : BP006065.D
 Acq On : 24 Jun 2021 22:01
 Operator : CG/JU
 Sample : M2812-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 293-347

Manual Integrations
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Quant Time: Jun 25 01:12:32 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 22 17:52:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	80428	20.000	ng	-0.01
21) Naphthalene-d8	10.716	136	305655	20.000	ng	0.00
39) Acenaphthene-d10	14.540	164	195746	20.000	ng	-0.01
64) Phenanthrene-d10	17.292	188	379901	20.000	ng	0.00
76) Chrysene-d12	21.369	240	427004	20.000	ng	0.00
86) Perylene-d12	23.774	264	502174	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	224031	44.697	ng	0.00
7) Phenol-d6	7.093	99	277960	42.785	ng	0.00
23) Nitrobenzene-d5	9.075	82	168484	27.025	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	139875	41.640	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	339194	22.754	ng	0.00
79) Terphenyl-d14	19.833	244	525789	23.057	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.787	128	10126796	572.618	ng	99
37) 2-Methylnaphthalene	12.381	142	3345238	265.676	ng	99
38) 1-Methylnaphthalene	12.599	142	1866418	157.366	ng	99
46) 1,1'-Biphenyl	13.381	154	1002881	63.543	ng	100
49) Acenaphthylene	14.263	152	355911	18.001	ng	# 93
52) Acenaphthene	14.616	154	2273437	189.339	ng	99
55) Dibenzofuran	14.945	168	2966087	150.210	ng	98
58) Fluorene	15.598	166	2989540	194.310	ng	99
71) Phenanthrene	17.351	178	10338946	453.170	ng	97
72) Anthracene	17.434	178	3513028	156.455	ng	99
73) Carbazole	17.698	167	1211682	56.206	ng	99
75) Fluoranthene	19.304	202	5747001	207.423	ng	98
78) Pyrene	19.657	202	4487710	150.545	ng	98
81) Benzo(a)anthracene	21.351	228	1726823	56.023	ng	97
83) Chrysene	21.404	228	1495155	50.081	ng	97
87) Indeno(1,2,3-cd)pyrene	26.304	276	666247	15.515	ng	99
88) Benzo(b)fluoranthene	23.039	252	1504464	43.741	ng	97
89) Benzo(k)fluoranthene	23.080	252	527673m	15.821	ng	
90) Benzo(a)pyrene	23.669	252	1142181	35.322	ng	# 97
91) Dibenzo(a,h)anthracene	26.304	278	193408	5.233	ng	# 80
92) Benzo(g,h,i)perylene	27.080	276	657545	18.009	ng	97

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

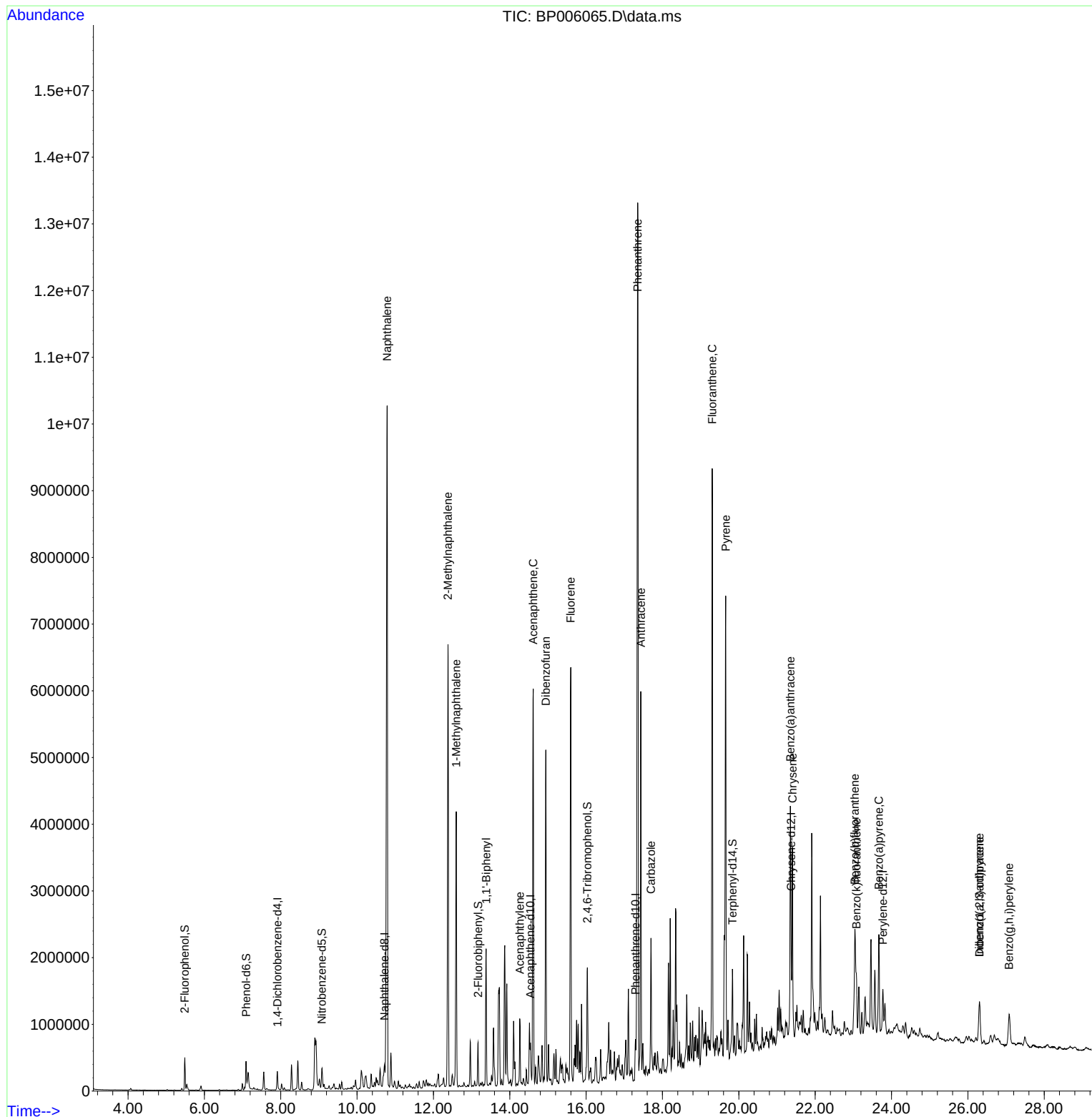
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062421\
Data File : BP006065.D
Acq On : 24 Jun 2021 22:01
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ALS Vial : 19 Sample Multiplier: 1

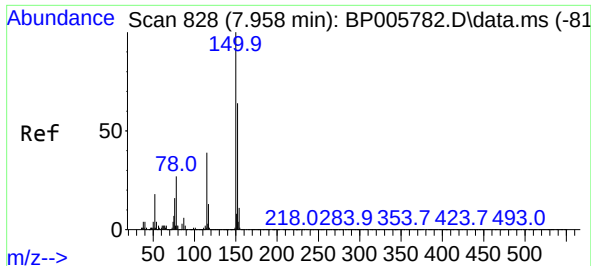
Instrument :
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Quant Time: Jun 25 01:12:32 2021
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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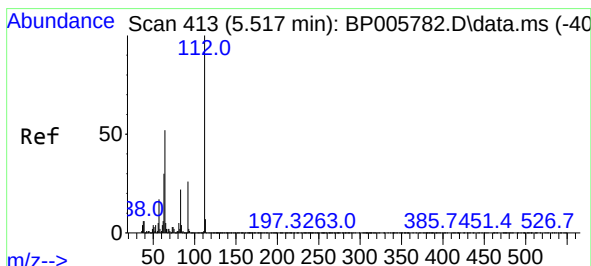
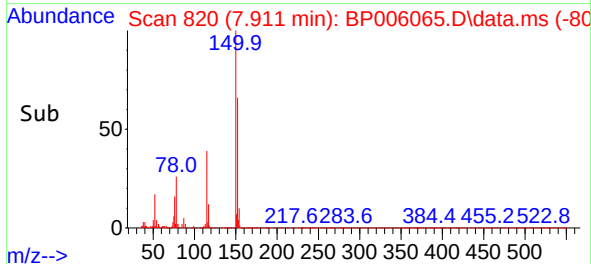
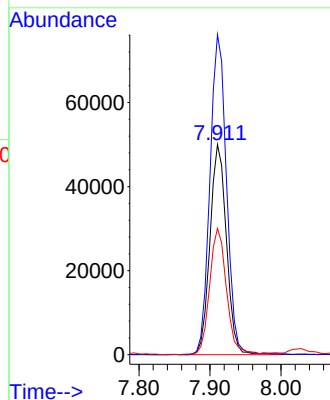
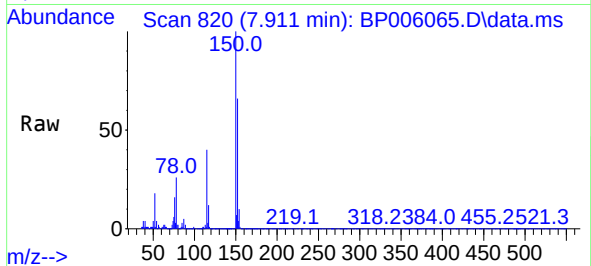
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.911 min Scan# 820
Delta R.T. -0.011 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

Tgt Ion:152 Resp: 80428
Ion Ratio Lower Upper
152 100
150 152.2 125.6 188.4
115 60.1 48.5 72.7

Instrument :
BNA_P
ClientSampleId :
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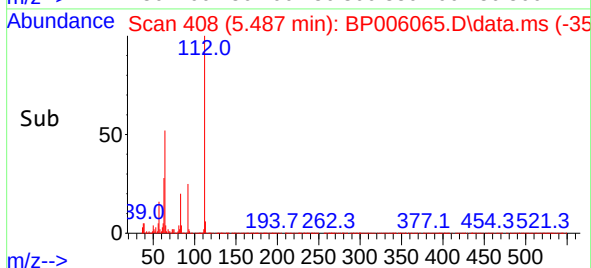
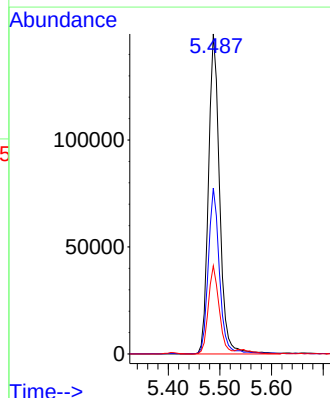
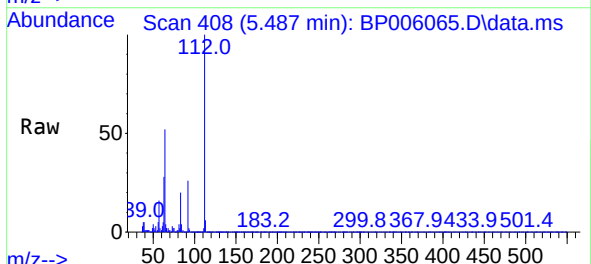
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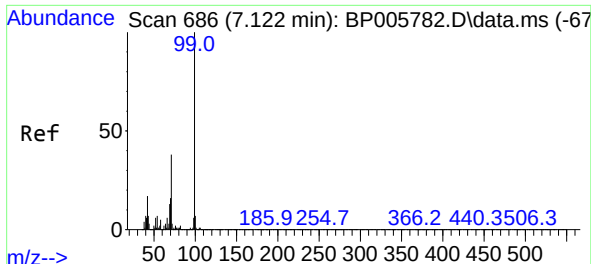
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#5
2-Fluorophenol
Concen: 44.697 ng
RT: 5.487 min Scan# 408
Delta R.T. -0.000 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

Tgt Ion:112 Resp: 224031
Ion Ratio Lower Upper
112 100
64 51.8 41.4 62.2
63 27.6 23.8 35.8





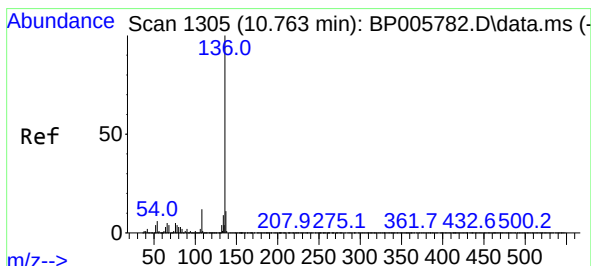
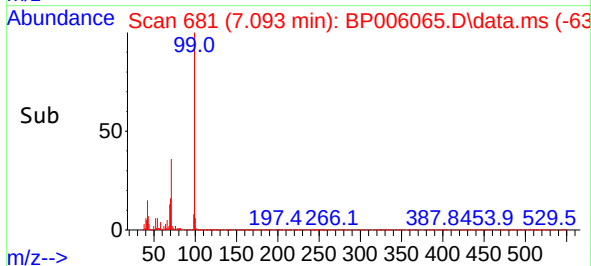
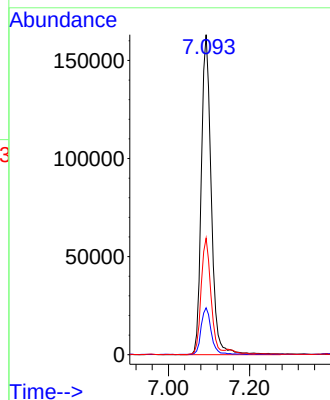
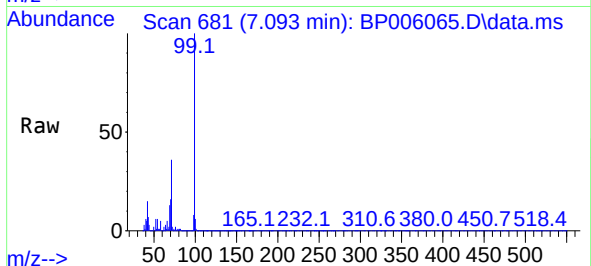
#7
Phenol-d6
Concen: 42.785 ng
RT: 7.093 min Scan# 681
Delta R.T. -0.000 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

Tgt Ion:	99	Resp:	277960
Ion	Ratio	Lower	Upper
99	100		
42	14.6	13.4	20.0
71	36.4	30.6	46.0

Instrument :
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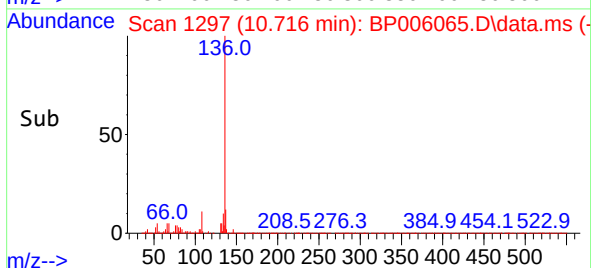
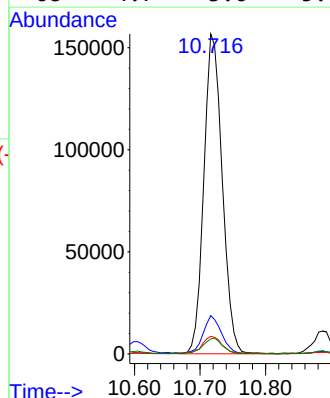
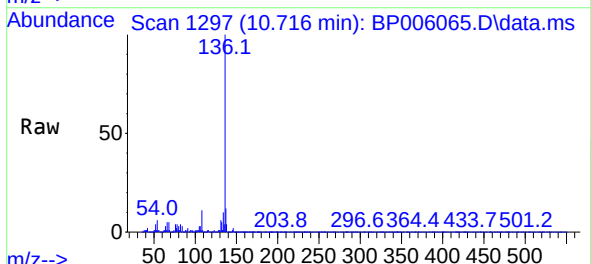
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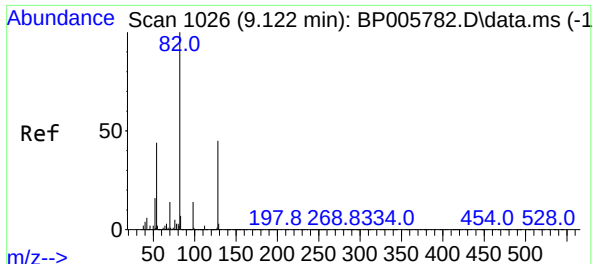
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

Tgt Ion:	136	Resp:	305655
Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.6	12.8
54	5.5	4.6	6.8
68	4.7	3.6	5.4





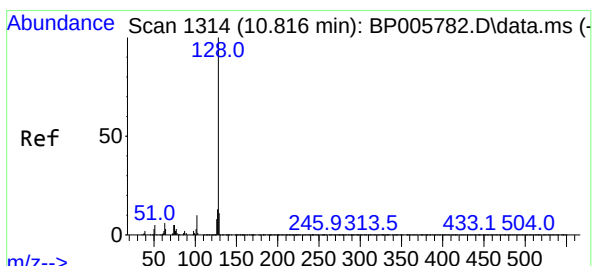
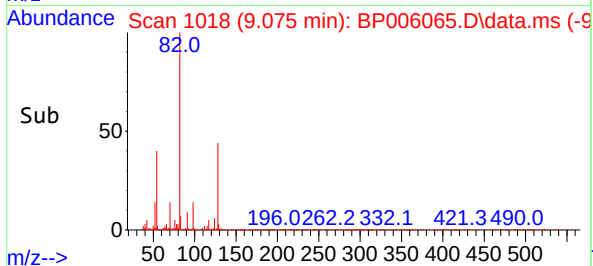
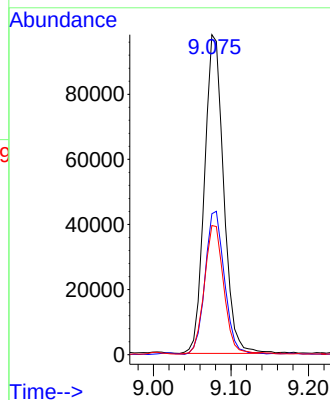
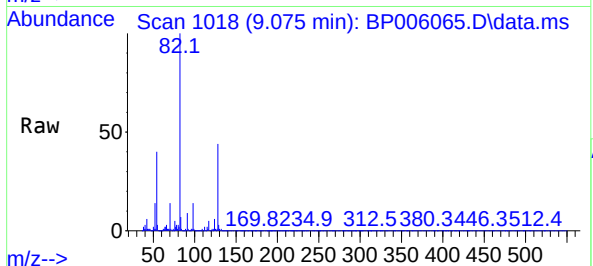
#23
Nitrobenzene-d5
Concen: 27.025 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

Instrument :
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ClientSampleId :
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Tgt Ion: 82 Resp: 168484
Ion Ratio Lower Upper
82 100
128 44.1 35.7 53.5
54 40.4 35.0 52.4

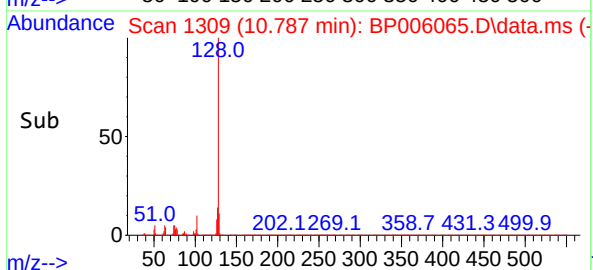
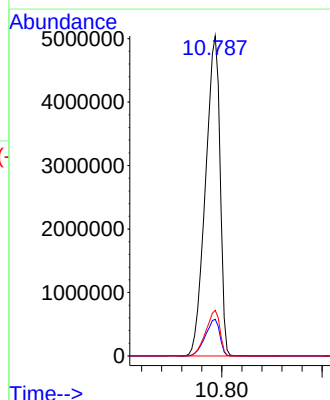
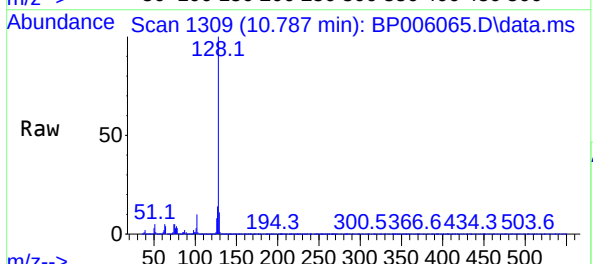
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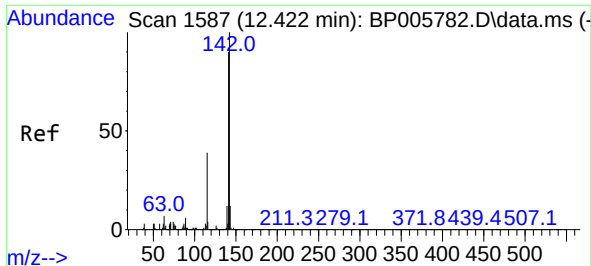
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#31
Naphthalene
Concen: 572.618 ng
RT: 10.787 min Scan# 1309
Delta R.T. 0.012 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

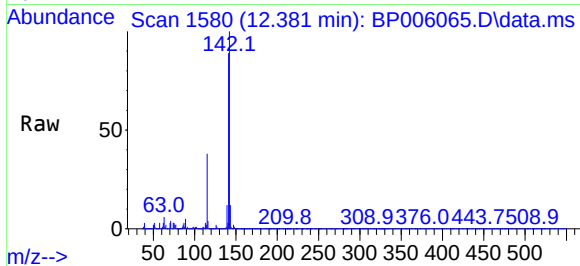
Tgt Ion: 128 Resp: 10126796
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 14.2 10.7 16.1





#37
2-Methylnaphthalene
Concen: 265.676 ng
RT: 12.381 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

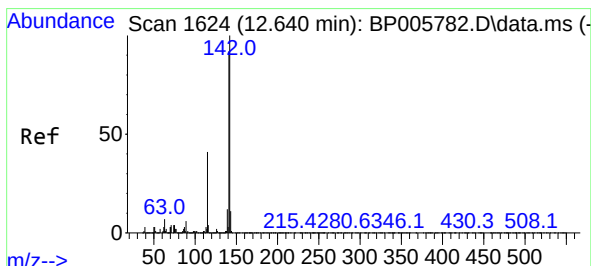
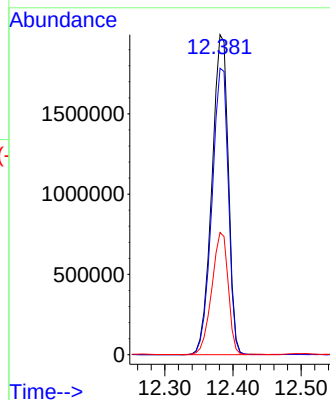
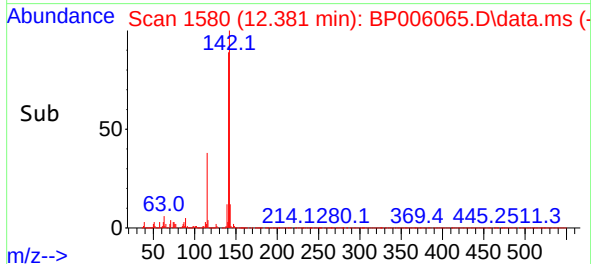
Instrument :
BNA_P
ClientSampled :
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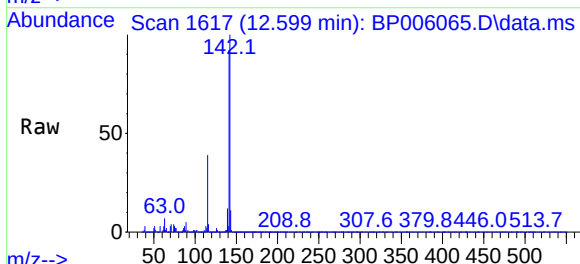
Tgt Ion:142 Resp: 3345238
Ion Ratio Lower Upper
142 100
141 89.5 71.8 107.6
115 38.2 31.6 47.4

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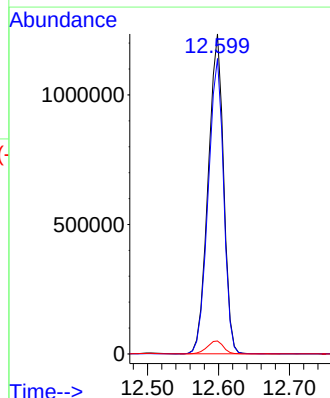
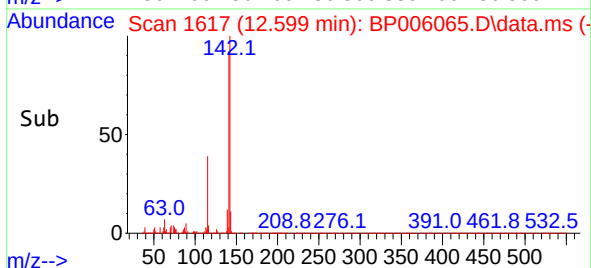
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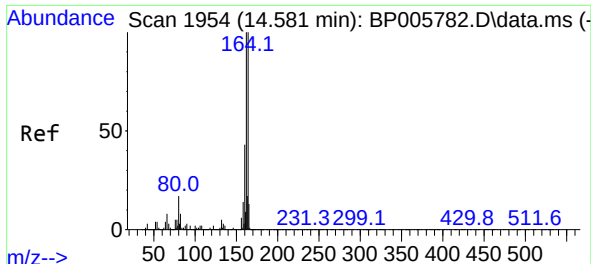


#38
1-Methylnaphthalene
Concen: 157.366 ng
RT: 12.599 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01



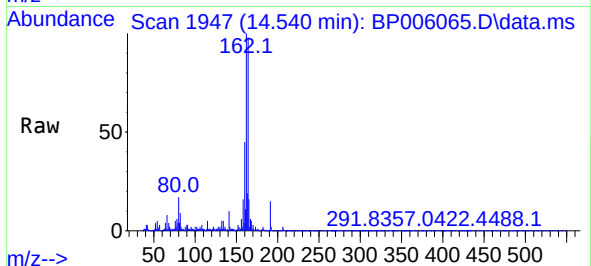
Tgt Ion:142 Resp: 1866418
Ion Ratio Lower Upper
142 100
141 92.3 73.3 109.9
116 4.0 3.5 5.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

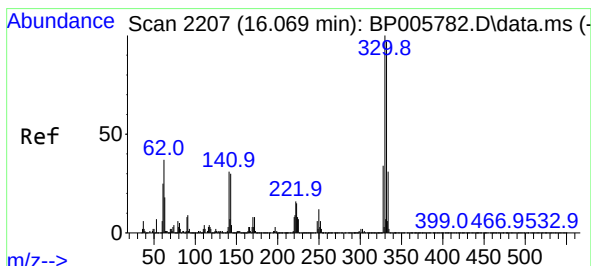
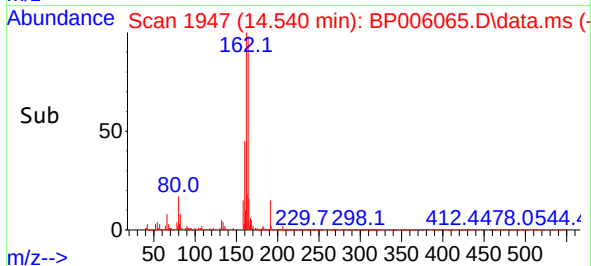
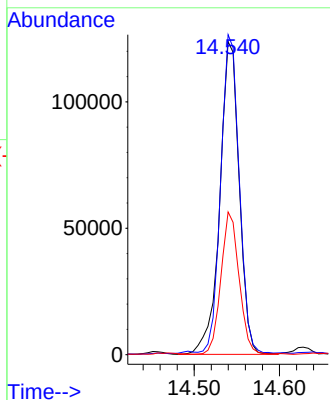
Instrument :
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Tgt Ion:164 Resp: 195746
Ion Ratio Lower Upper
164 100
162 102.2 80.2 120.2
160 45.6 34.5 51.7

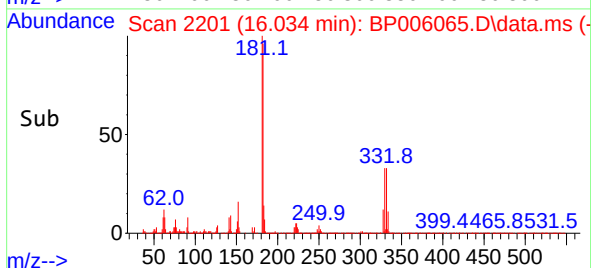
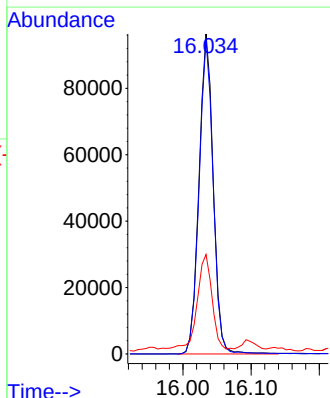
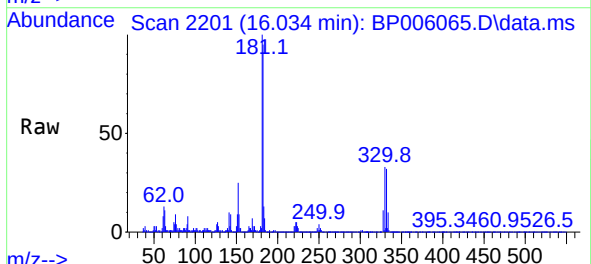
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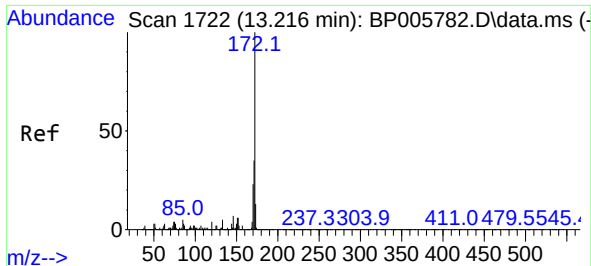
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#42
2,4,6-Tribromophenol
Concen: 41.640 ng
RT: 16.034 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

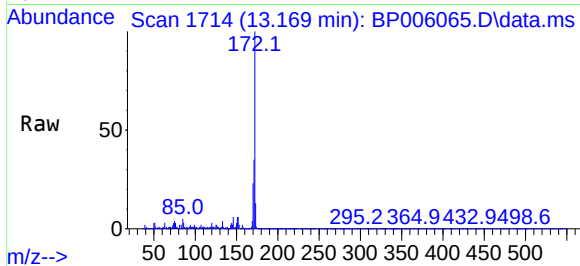
Tgt Ion:330 Resp: 139875
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.8
141 30.4 25.4 38.2





#45
2-Fluorobiphenyl
Concen: 22.754 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

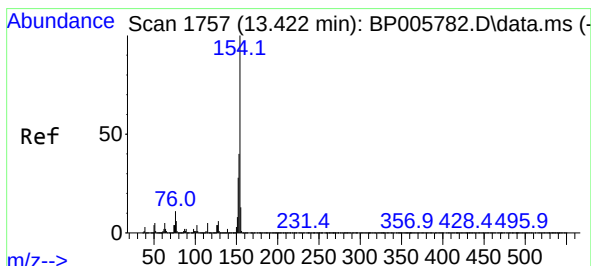
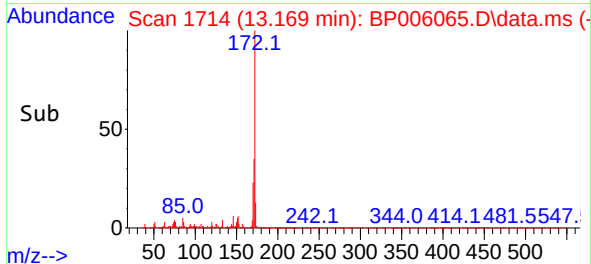
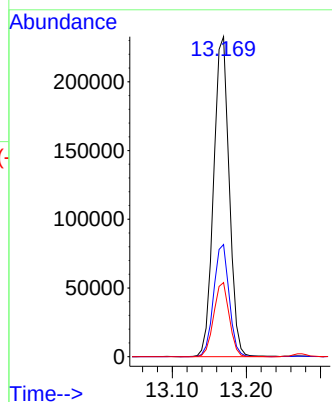
Instrument :
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Tgt Ion:172 Resp: 339194
Ion Ratio Lower Upper
172 100
171 35.1 27.9 41.9
170 23.2 18.6 27.8

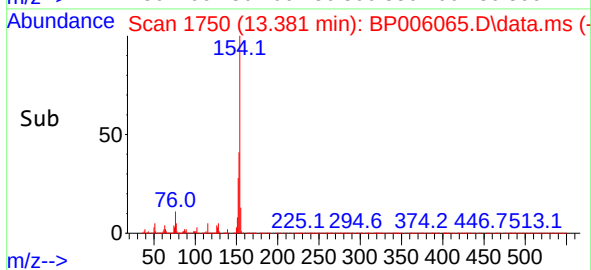
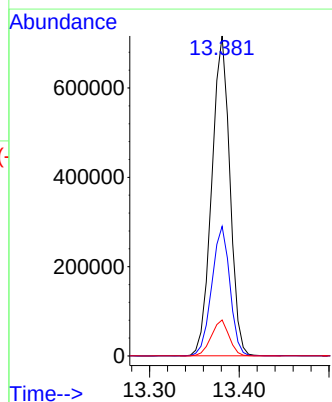
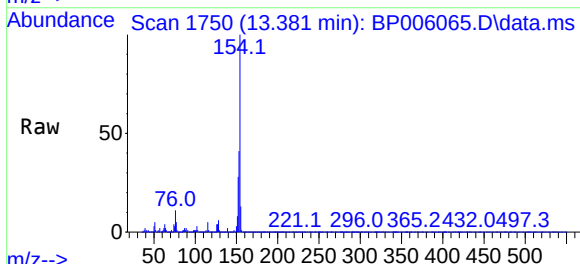
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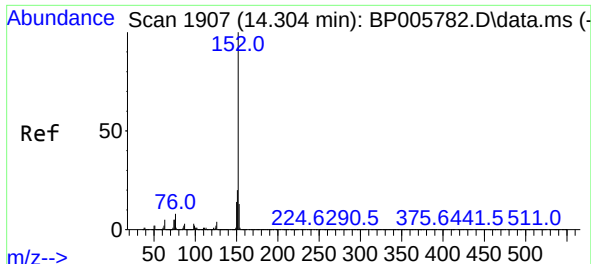
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#46
1,1'-Biphenyl
Concen: 63.543 ng
RT: 13.381 min Scan# 1750
Delta R.T. -0.006 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

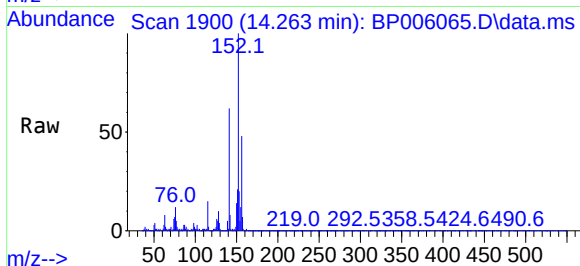
Tgt Ion:154 Resp: 1002881
Ion Ratio Lower Upper
154 100
153 40.5 20.4 60.4
76 11.3 0.0 30.8





#49
Acenaphthylene
Concen: 18.001 ng
RT: 14.263 min Scan# 1900
Delta R.T. -0.012 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

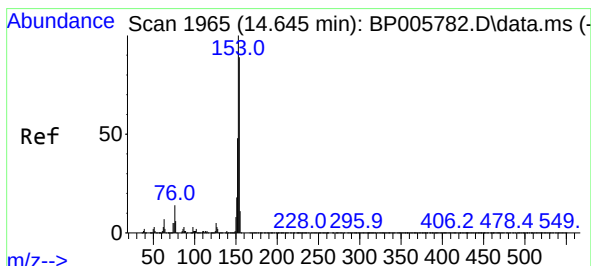
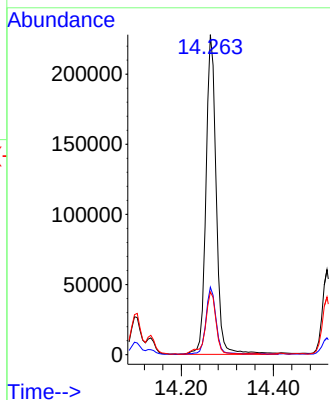
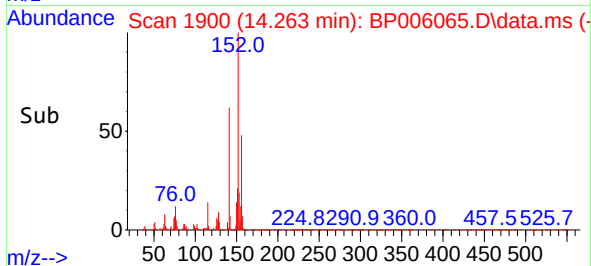
Instrument :
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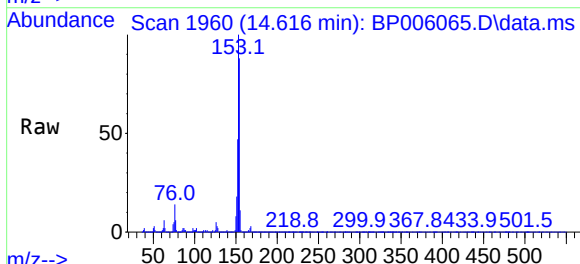
Tgt Ion:152 Resp: 355911
Ion Ratio Lower Upper
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151 21.1 16.2 24.2
153 19.6 10.6 16.0#

Manual Integrations
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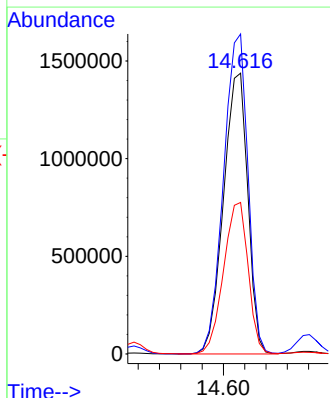
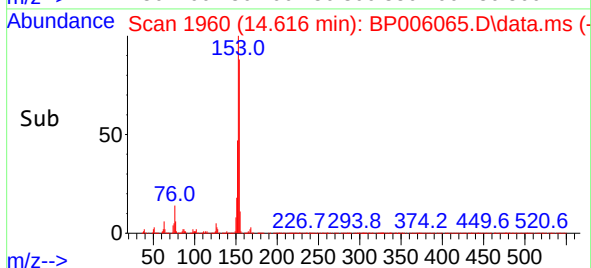
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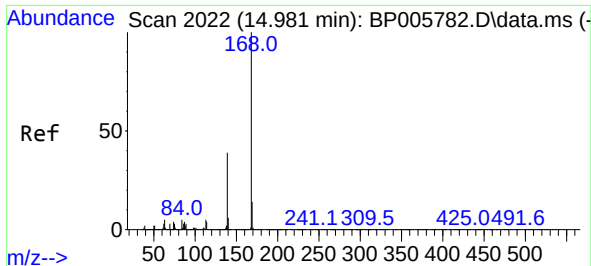


#52
Acenaphthene
Concen: 189.339 ng
RT: 14.616 min Scan# 1960
Delta R.T. -0.000 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01



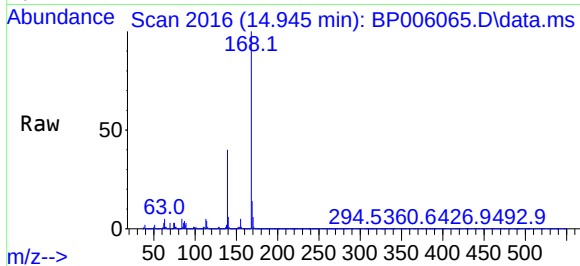
Tgt Ion:154 Resp: 2273437
Ion Ratio Lower Upper
154 100
153 114.0 89.4 134.2
152 54.0 43.0 64.4





#55
Dibenzenofuran
Concen: 150.210 ng
RT: 14.945 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

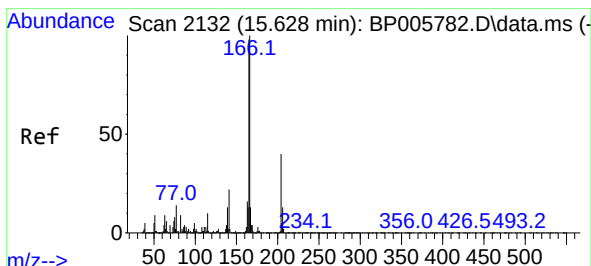
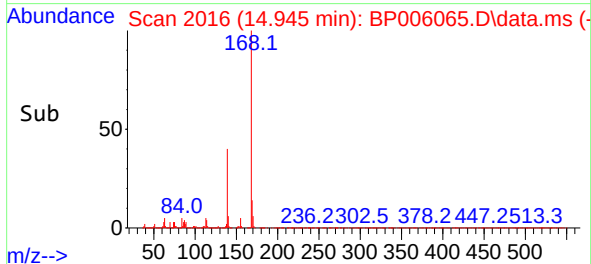
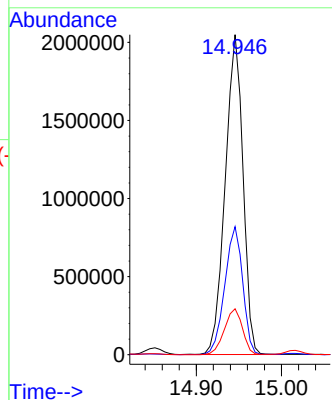
Instrument :
BNA_P
ClientSampled :
293-347



Tgt Ion:168 Resp: 2966087
Ion Ratio Lower Upper
168 100
139 40.0 31.0 46.6
169 14.4 10.8 16.2

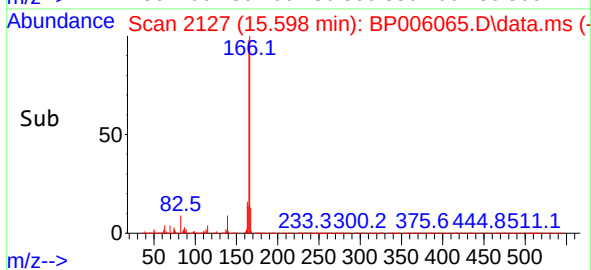
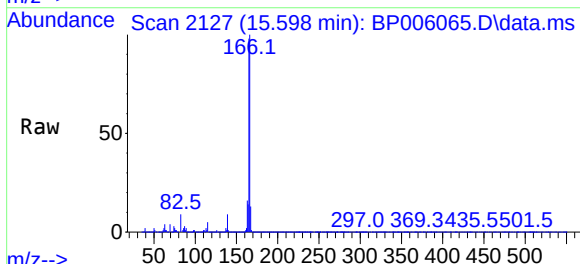
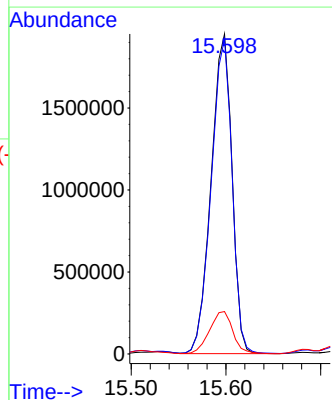
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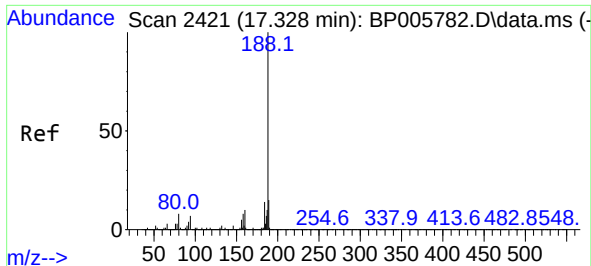
mohammad
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#58
Fluorene
Concen: 194.310 ng
RT: 15.598 min Scan# 2127
Delta R.T. -0.000 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

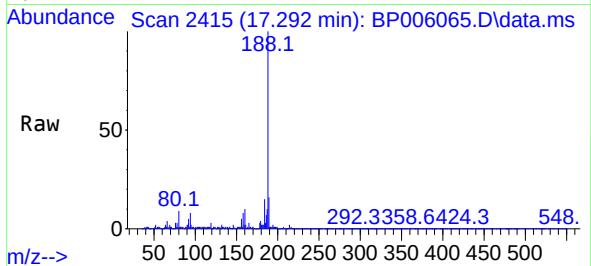
Tgt Ion:166 Resp: 2989540
Ion Ratio Lower Upper
166 100
165 98.5 78.0 117.0
167 13.2 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

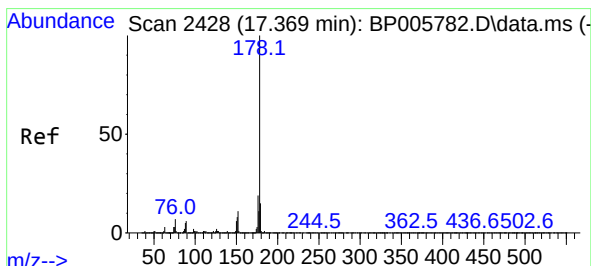
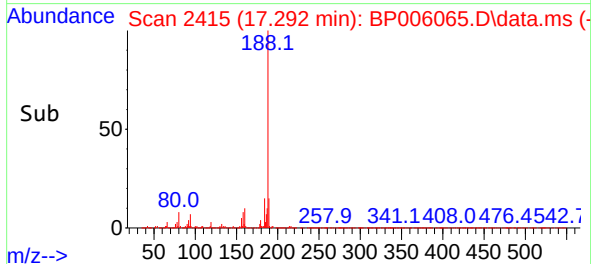
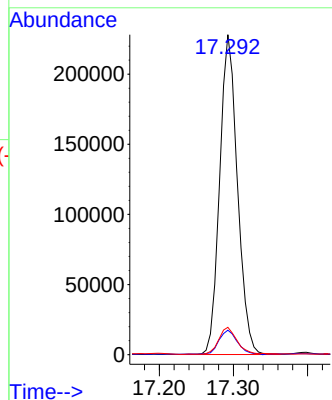
Instrument :
BNA_P
ClientSampled :
293-347



Tgt Ion:188 Resp: 379901
Ion Ratio Lower Upper
188 100
94 7.6 5.6 8.4
80 8.5 6.3 9.5

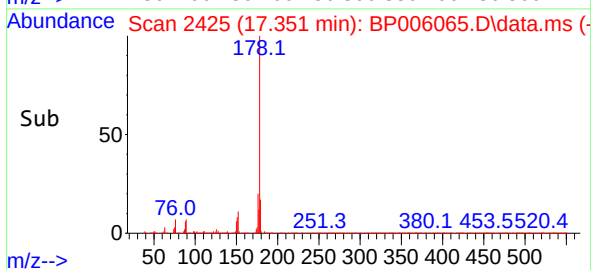
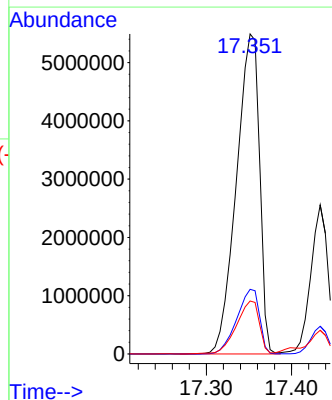
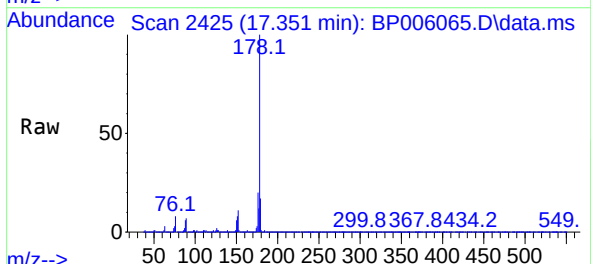
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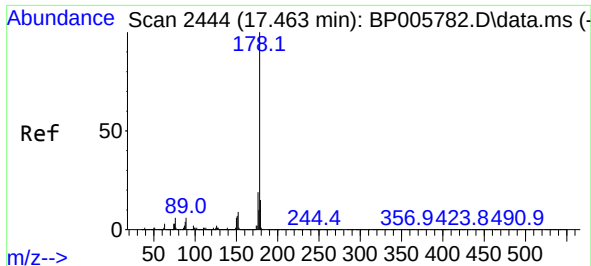
mohammad
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#71
Phenanthrene
Concen: 453.170 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

Tgt Ion:178 Resp:10338946
Ion Ratio Lower Upper
178 100
176 20.2 15.1 22.7
179 16.6 12.4 18.6



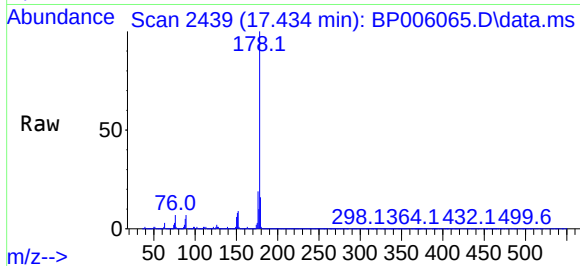


#72
 Anthracene
 Concen: 156.455 ng
 RT: 17.434 min Scan# 2439
 Delta R.T. -0.000 min
 Lab File: BP006065.D
 Acq: 24 Jun 2021 22:01

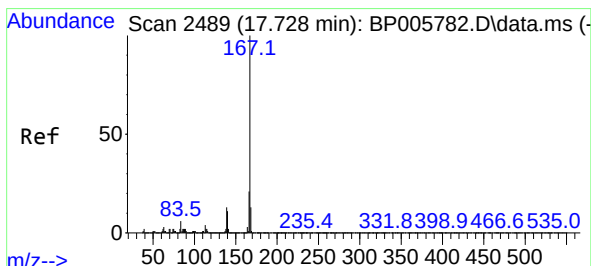
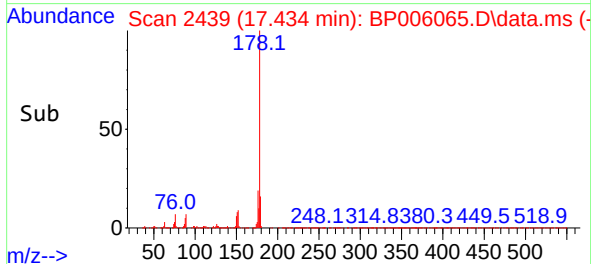
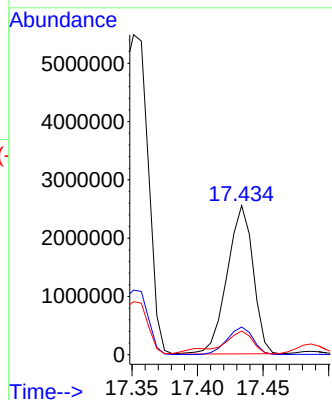
Instrument :
 BNA_P
 ClientSampled :
 293-347

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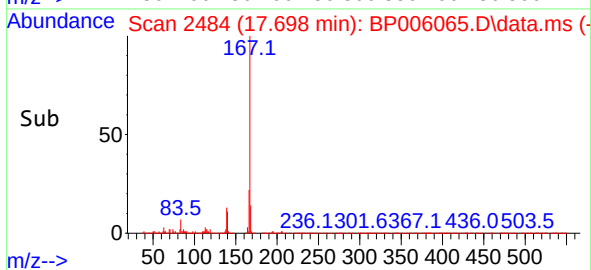
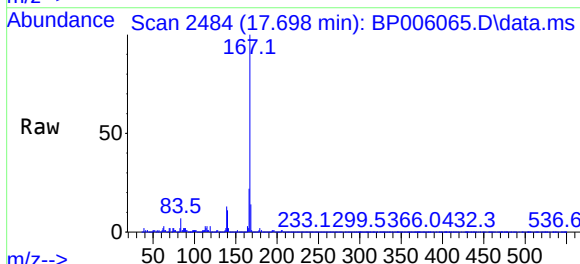
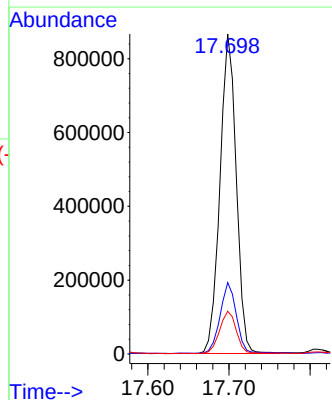


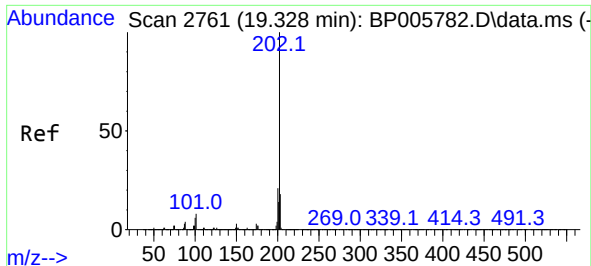
Tgt Ion:178 Resp: 3513028
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.9 22.3
 179 15.9 12.2 18.2



#73
 Carbazole
 Concen: 56.206 ng
 RT: 17.698 min Scan# 2484
 Delta R.T. -0.006 min
 Lab File: BP006065.D
 Acq: 24 Jun 2021 22:01

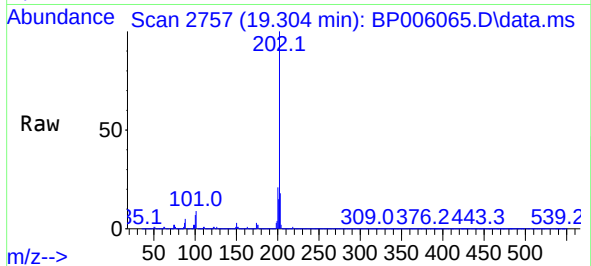
Tgt Ion:167 Resp: 1211682
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.1 25.7
 139 13.4 10.7 16.1





#75
Fluoranthene
Concen: 207.423 ng
RT: 19.304 min Scan# 2757
Delta R.T. 0.006 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

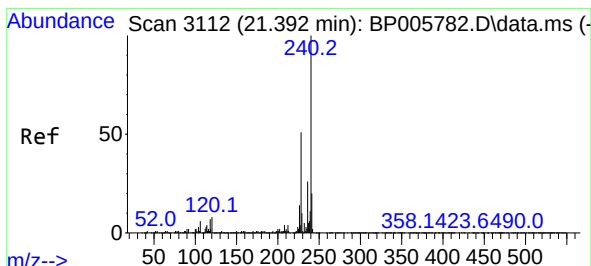
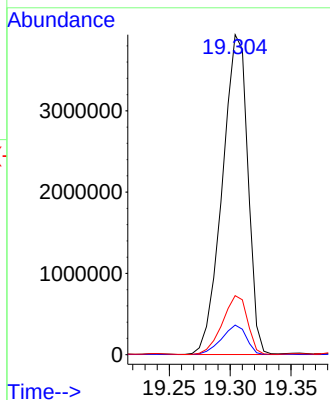
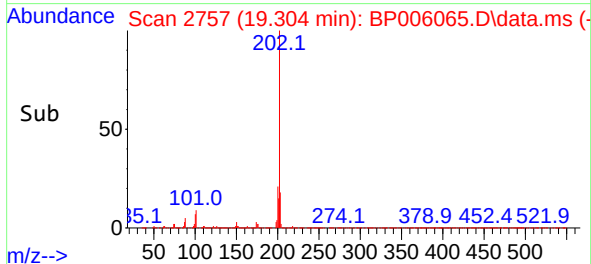
Instrument :
BNA_P
ClientSampled :
293-347



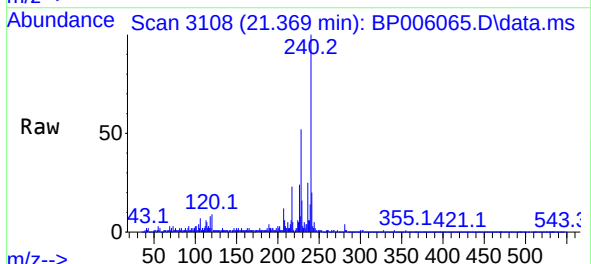
Tgt Ion:202 Resp: 5747001
Ion Ratio Lower Upper
202 100
101 9.3 0.0 27.6
203 18.4 0.0 37.8

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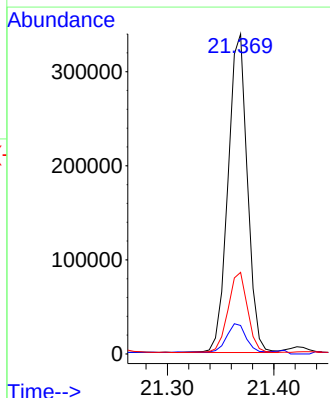
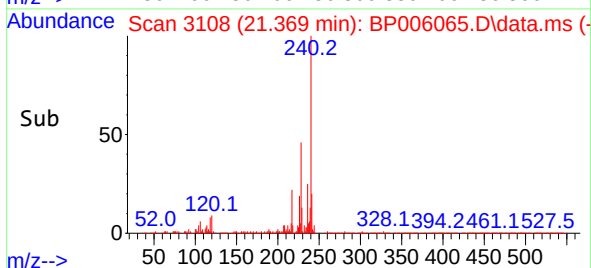
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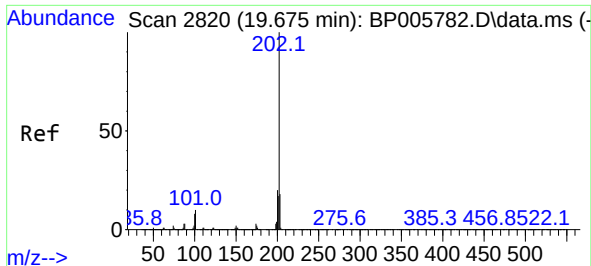


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.369 min Scan# 3108
Delta R.T. -0.000 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01



Tgt Ion:240 Resp: 427004
Ion Ratio Lower Upper
240 100
120 8.9 6.5 9.7
236 25.5 20.6 31.0





#78
Pyrene
Concen: 150.545 ng
RT: 19.657 min Scan# 2817
Delta R.T. 0.006 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

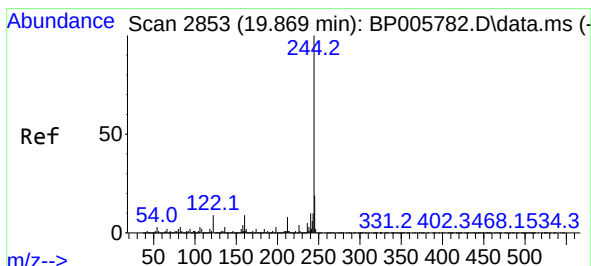
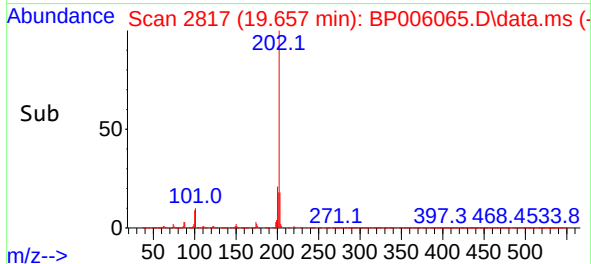
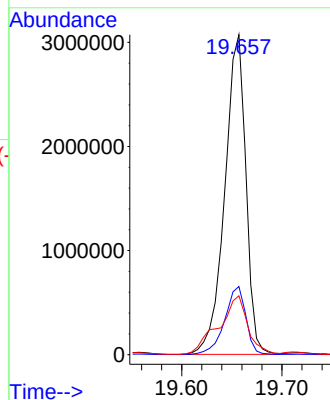
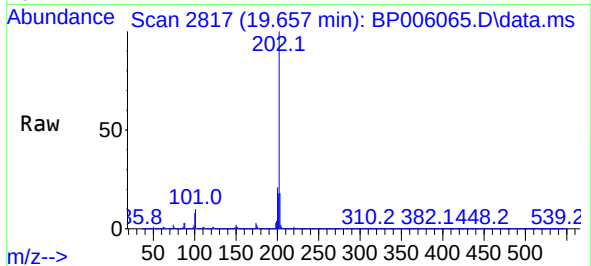
Tgt Ion:202 Resp: 4487710

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.3	24.5
203	18.4	14.2	21.2

Instrument :
BNA_P
ClientSampled :
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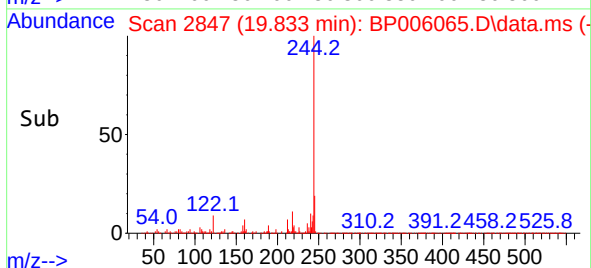
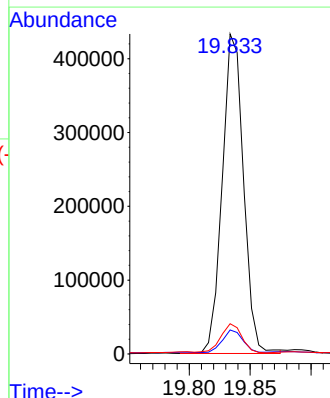
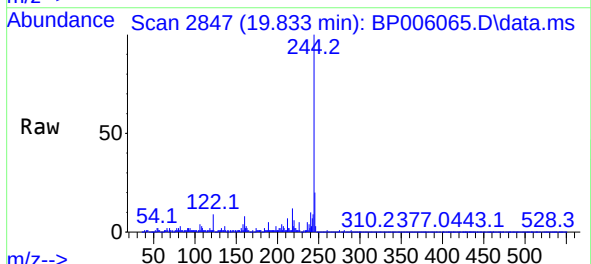
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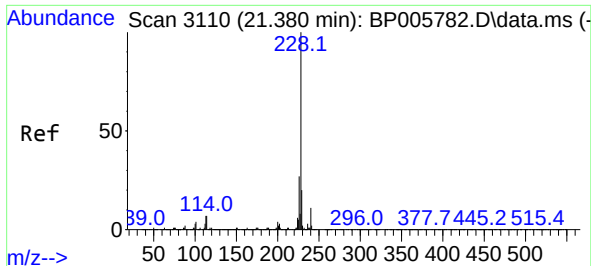


#79
Terphenyl-d14
Concen: 23.057 ng
RT: 19.833 min Scan# 2847
Delta R.T. -0.012 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

Tgt Ion:244 Resp: 525789

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	9.5	7.1	10.7





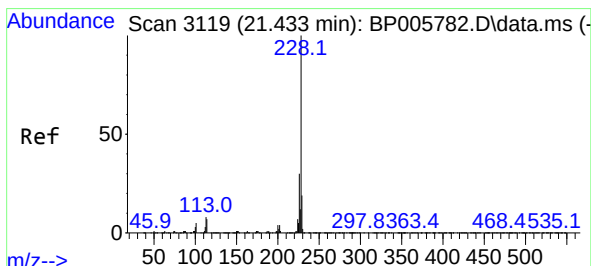
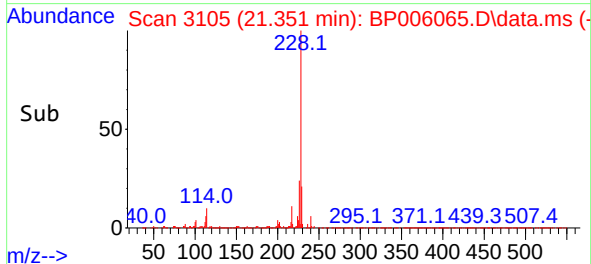
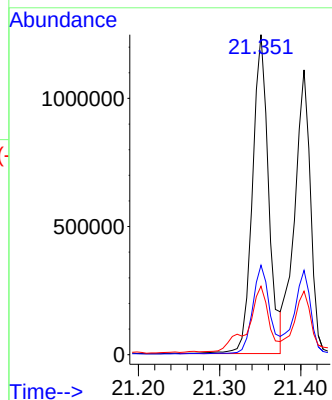
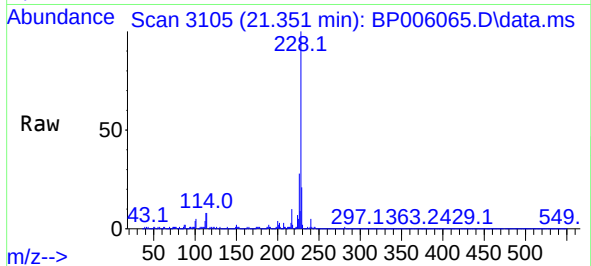
#81
Benzo(a)anthracene
Concen: 56.023 ng
RT: 21.351 min Scan# 3105
Delta R.T. 0.000 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

Tgt Ion:228 Resp: 1726823
Ion Ratio Lower Upper
228 100
226 28.0 21.6 32.4
229 21.4 15.8 23.6

Instrument :
BNA_P
ClientSampled :
293-347

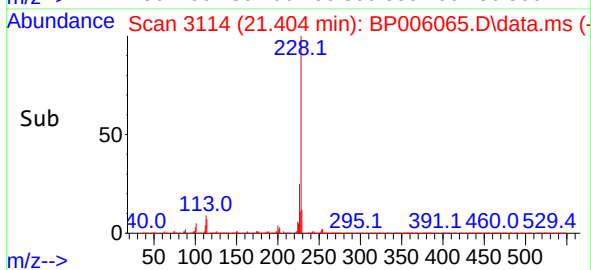
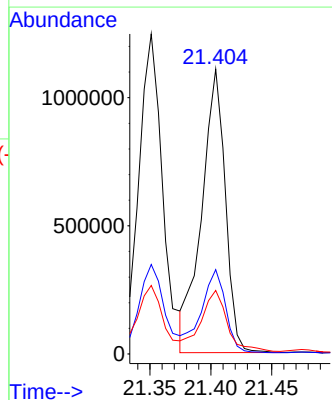
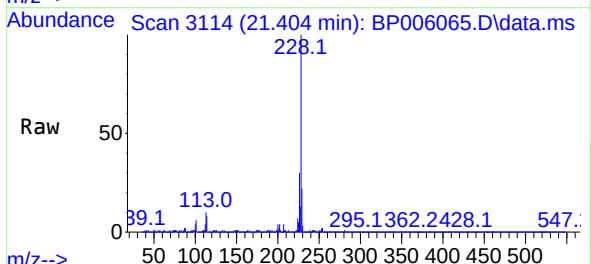
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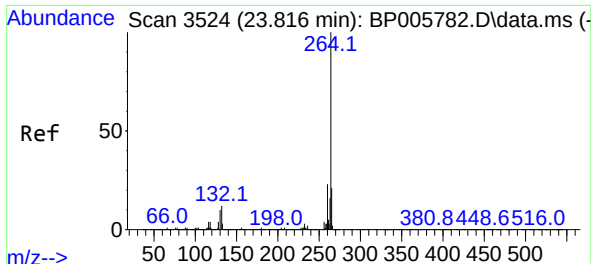
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#83
Chrysene
Concen: 50.081 ng
RT: 21.404 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

Tgt Ion:228 Resp: 1495155
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.6
229 22.3 15.4 23.2





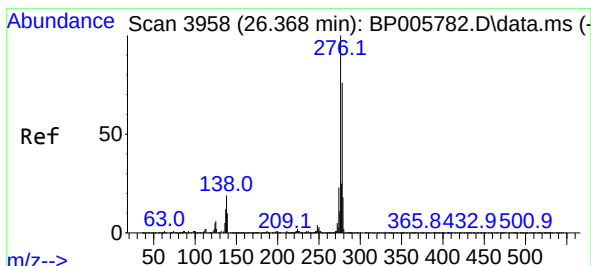
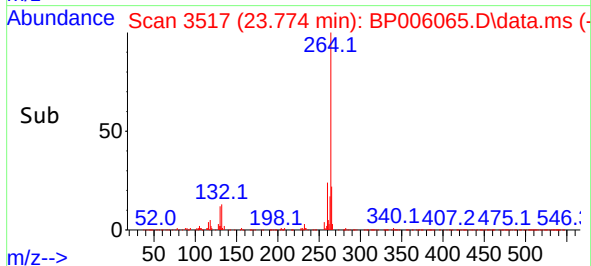
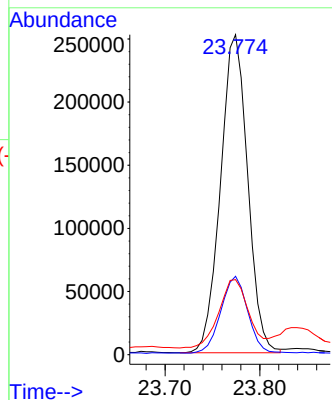
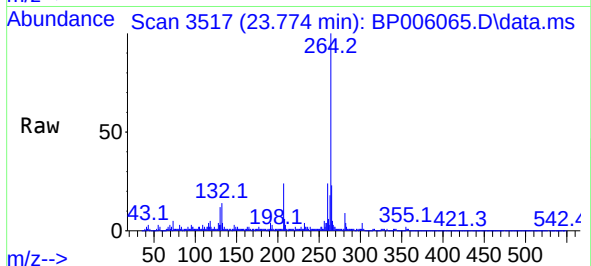
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.774 min Scan# 3517
Delta R.T. 0.000 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

Tgt Ion:	264	Resp:	502174
Ion Ratio	Lower	Upper	
264	100		
260	24.5	18.6	28.0
265	23.4	17.6	26.4

Instrument :
BNA_P
ClientSampled :
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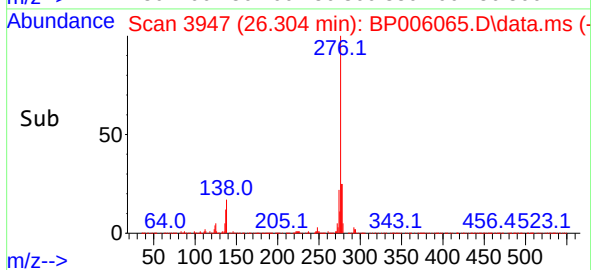
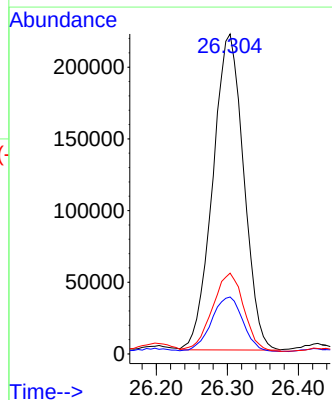
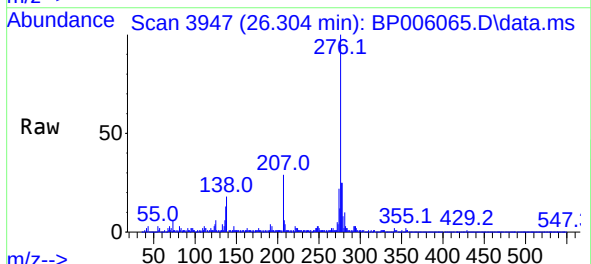
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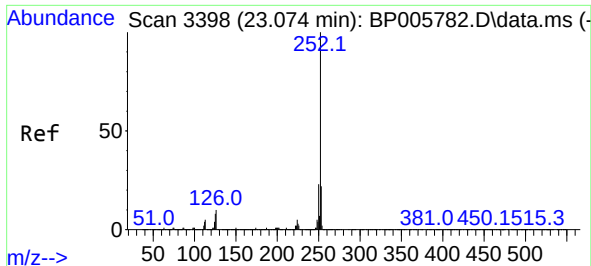
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 15.515 ng
RT: 26.304 min Scan# 3947
Delta R.T. -0.006 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

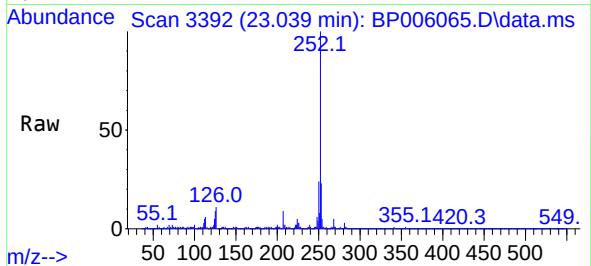
Tgt Ion:	276	Resp:	666247
Ion Ratio	Lower	Upper	
276	100		
138	17.8	15.3	22.9
277	25.4	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 43.741 ng
RT: 23.039 min Scan# 3392
Delta R.T. -0.000 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

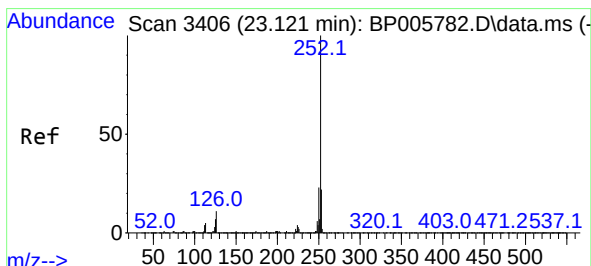
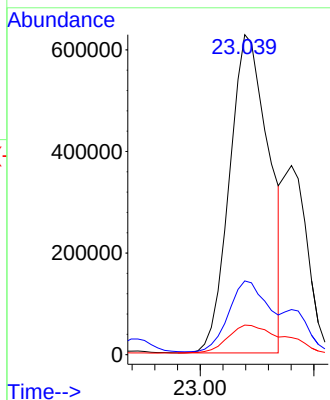
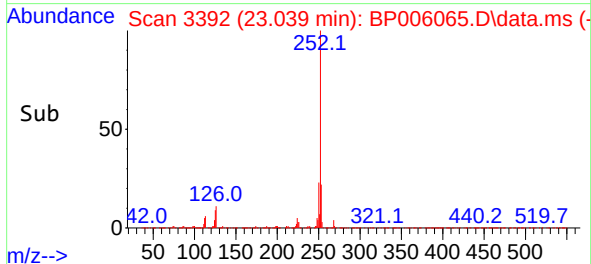
Instrument :
BNA_P
ClientSampled :
293-347



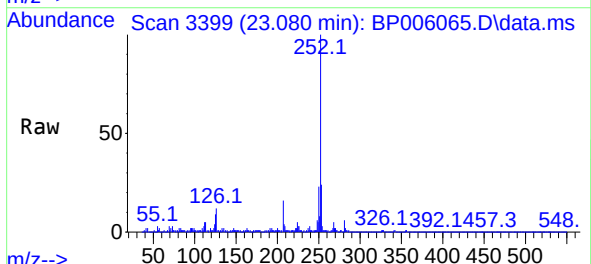
Tgt Ion:252 Resp: 1504464
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 9.2 6.2 9.4

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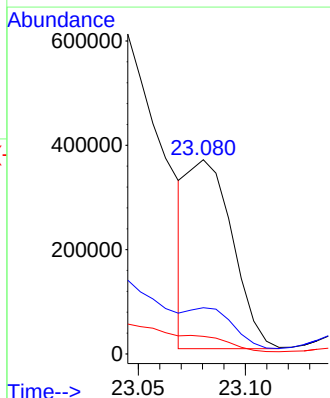
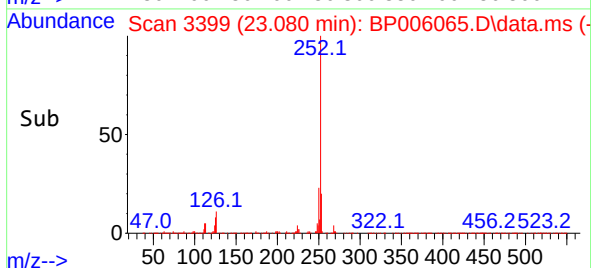
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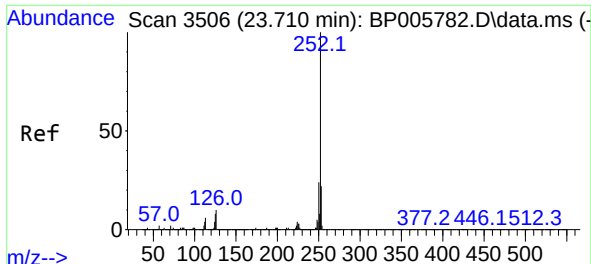


#89
Benzo(k)fluoranthene
Concen: 15.821 ng m
RT: 23.080 min Scan# 3399
Delta R.T. -0.006 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01



Tgt Ion:252 Resp: 527673
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 9.1 6.0 9.0#



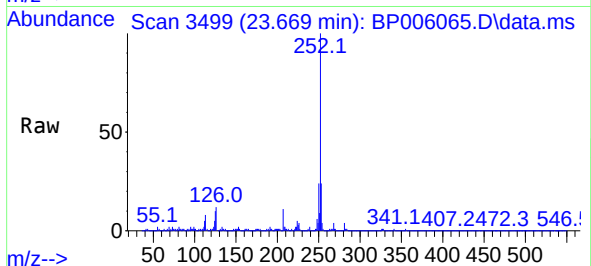


#90
Benzo(a)pyrene
Concen: 35.322 ng
RT: 23.669 min Scan# 3499
Delta R.T. -0.000 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

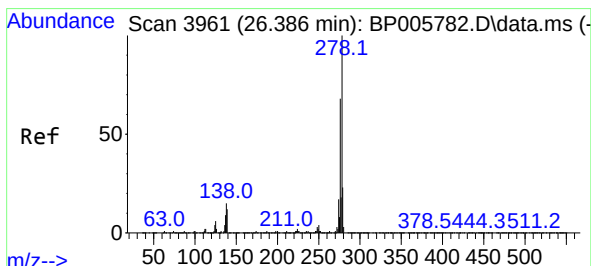
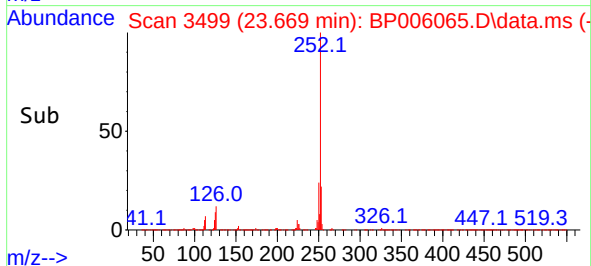
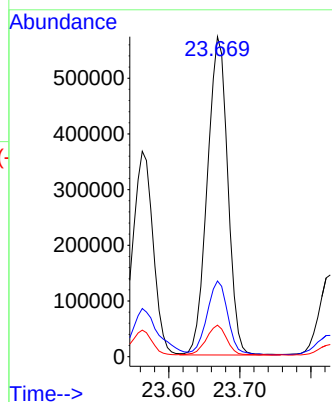
Instrument :
BNA_P
ClientSampled :
293-347

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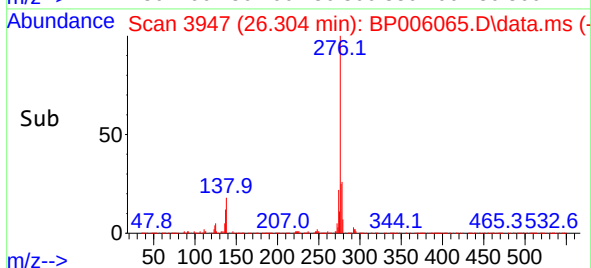
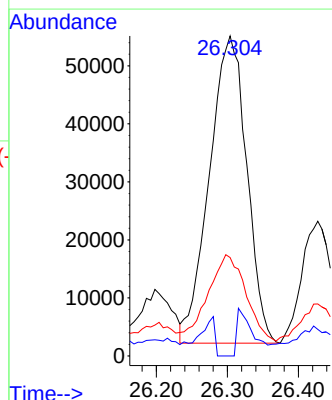
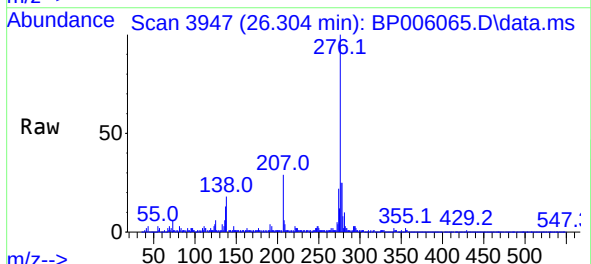


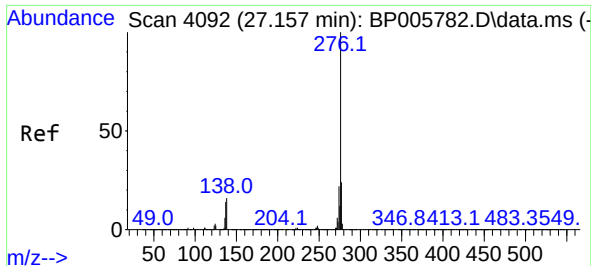
Tgt Ion:252 Resp: 1142181
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 9.8 6.5 9.7#



#91
Dibenzo(a,h)anthracene
Concen: 5.233 ng
RT: 26.304 min Scan# 3947
Delta R.T. -0.018 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

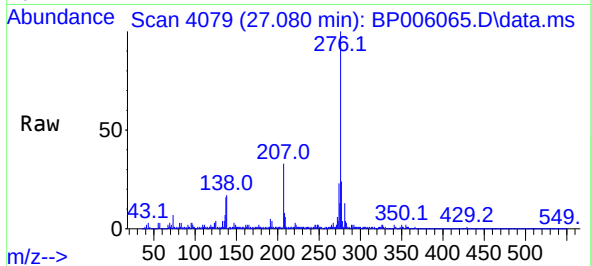
Tgt Ion:278 Resp: 193408
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 30.7 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 18.009 ng
RT: 27.080 min Scan# 4079
Delta R.T. -0.006 min
Lab File: BP006065.D
Acq: 24 Jun 2021 22:01

Instrument :
BNA_P
ClientSampleId :
293-347



Tgt Ion:276 Resp: 657545
Ion Ratio Lower Upper
276 100
277 24.3 18.9 28.3
138 17.5 12.6 18.8

Manual Integrations
APPROVED

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