

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100121\
 Data File : BP007289.D
 Acq On : 01 Oct 2021 14:12
 Operator : CG/JU
 Sample : M3999-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 229-342

Manual Integrations
 APPROVED

mohammad
 10/4/2021 11:52:53 AM

Quant Time: Oct 01 14:49:45 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	213105	20.00	ng	0.00
21) Naphthalene-d8	10.663	136	832016	20.00	ng	# 0.00
39) Acenaphthene-d10	14.498	164	507231	20.00	ng	0.00
64) Phenanthrene-d10	17.257	188	991183	20.00	ng	# 0.00
76) Chrysene-d12	21.345	240	1010020	20.00	ng	# 0.00
86) Perylene-d12	23.757	264	1086664	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	1480380	116.28	ng	0.00
7) Phenol-d6	7.046	99	1837673	105.61	ng	0.00
23) Nitrobenzene-d5	9.028	82	1101749	77.12	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	741766	112.80	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	2719268	76.80	ng	0.00
79) Terphenyl-d14	19.816	244	3813988	72.36	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.716	128	187297	4.41	ng	99
37) 2-Methylnaphthalene	12.328	142	107390	3.61	ng	95
38) 1-Methylnaphthalene	12.545	142	74669	2.57	ng	98
49) Acenaphthylene	14.222	152	136247	3.03	ng	93
52) Acenaphthene	14.563	154	87858	3.22	ng	95
55) Dibenzofuran	14.898	168	124402	2.73	ng	# 96
58) Fluorene	15.551	166	94604	2.69	ng	# 91
71) Phenanthrene	17.298	178	1402058	26.38	ng	98
72) Anthracene	17.386	178	454408m	8.74	ng	
73) Carbazole	17.663	167	158230	3.11	ng	# 82
75) Fluoranthene	19.269	202	2648557	43.25	ng	97
78) Pyrene	19.622	202	2357163	35.57	ng	98
81) Benzo(a)anthracene	21.327	228	1601223	24.42	ng	96
83) Chrysene	21.380	228	1465561	23.39	ng	96
87) Indeno(1,2,3-cd)pyrene	26.280	276	1235020	15.81	ng	98
88) Benzo(b)fluoranthene	23.021	252	2330558	35.89	ng	# 93
89) Benzo(k)fluoranthene	23.063	252	771556m	11.73	ng	
90) Benzo(a)pyrene	23.651	252	1639888	29.72	ng	# 93
91) Dibenzo(a,h)anthracene	26.280	278	335619	5.13	ng	# 79
92) Benzo(g,h,i)perylene	27.056	276	1213792	19.01	ng	# 92

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

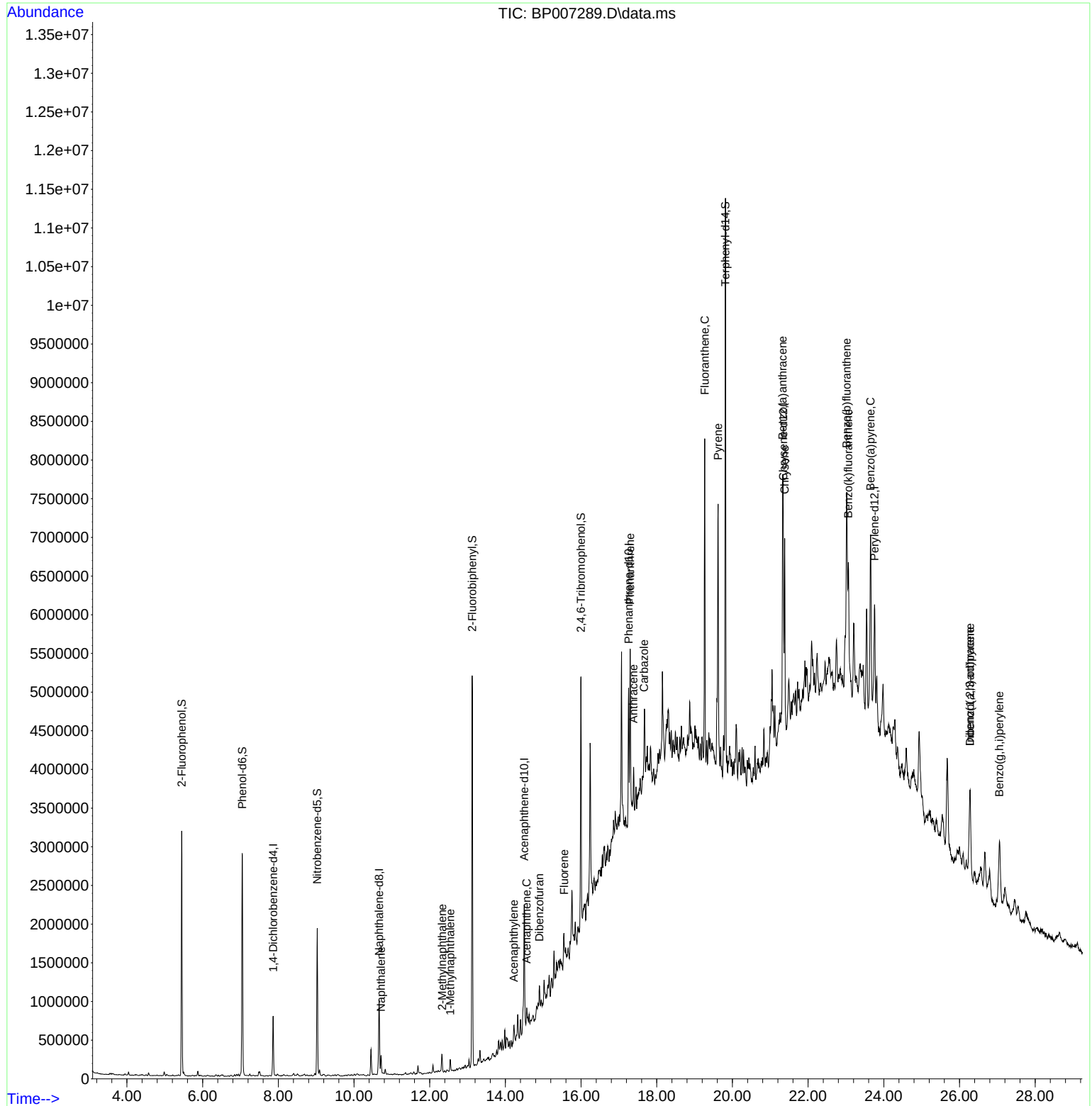
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100121\
Data File : BP007289.D
Acq On : 01 Oct 2021 14:12
Operator : CG/JU
Sample : M3999-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

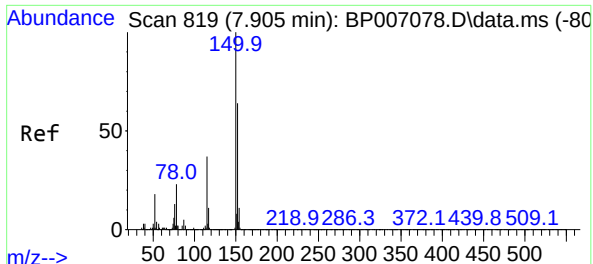
Instrument :
BNA_P
ClientSampled :
229-342

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 12:49:05 2021
Response via : Initial Calibration





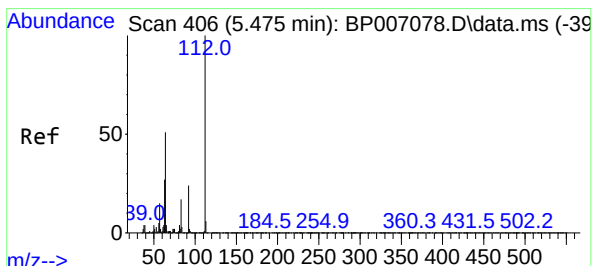
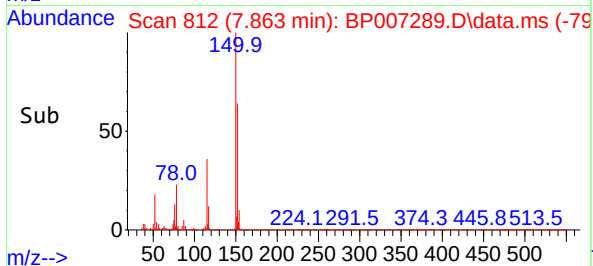
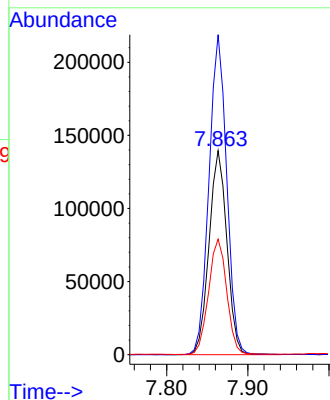
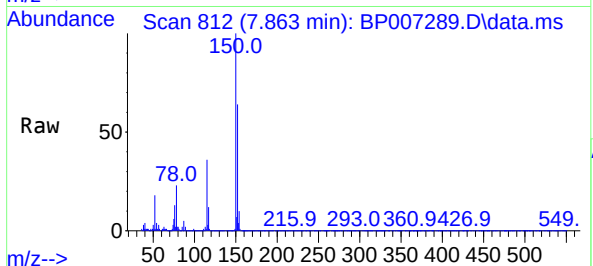
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.863 min Scan# 812
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:152 Resp: 213105
Ion Ratio Lower Upper
152 100
150 156.9 125.6 188.4
115 56.7 48.5 72.7

Instrument :
BNA_P
ClientSampleId :
229-342

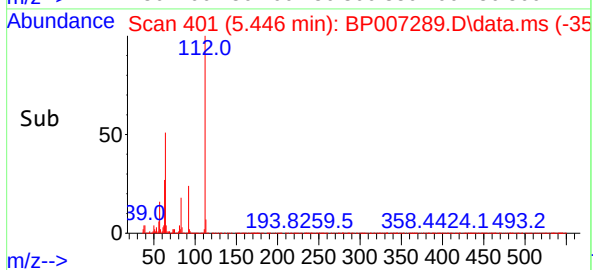
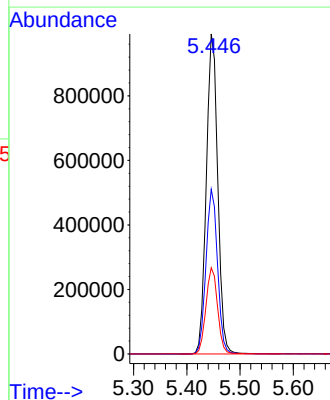
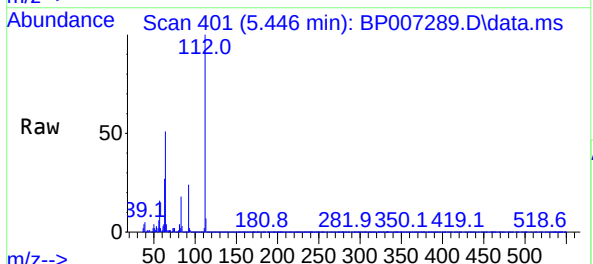
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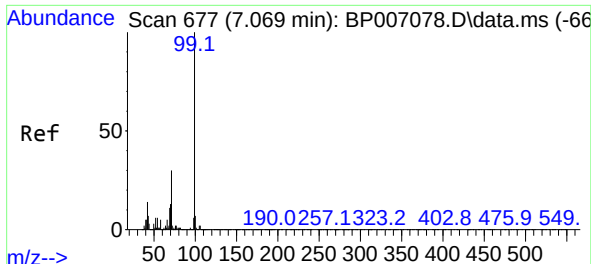
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#5
2-Fluorophenol
Concen: 116.28 ng
RT: 5.446 min Scan# 401
Delta R.T. -0.006 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

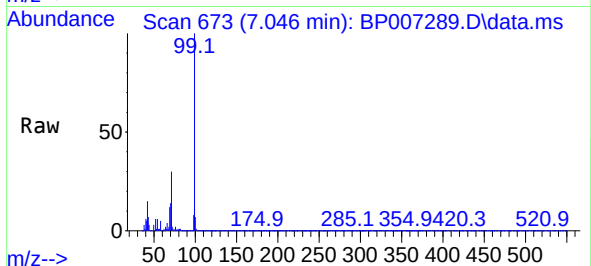
Tgt Ion:112 Resp: 1480380
Ion Ratio Lower Upper
112 100
64 51.5 41.4 62.2
63 27.0 23.8 35.8





#7
Phenol-d6
Concen: 105.61 ng
RT: 7.046 min Scan# 673
Delta R.T. -0.006 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

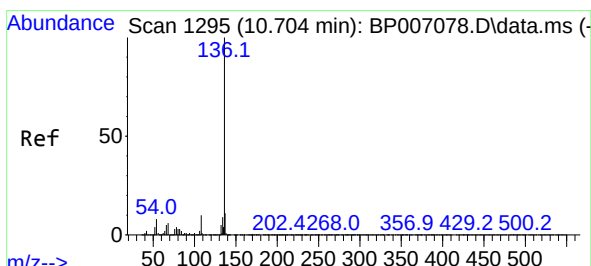
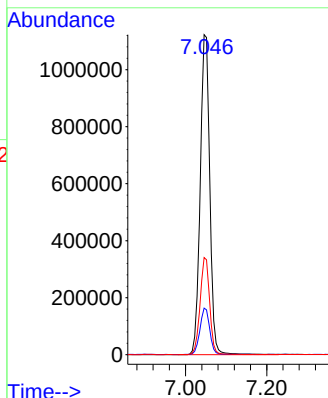
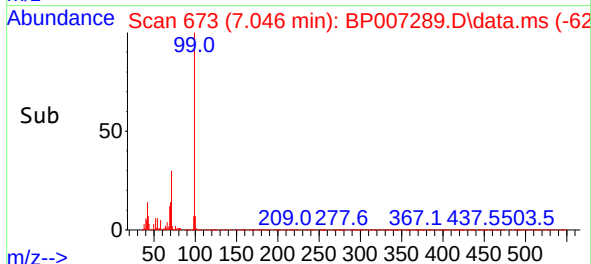
Instrument :
BNA_P
ClientSampleId :
229-342



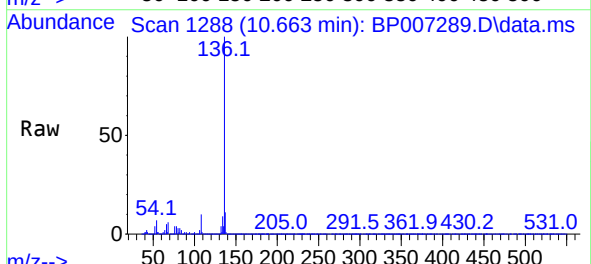
Tgt Ion: 99 Resp: 1837673
Ion Ratio Lower Upper
99 100
42 14.6 13.4 20.0
71 30.4 30.6 46.0#

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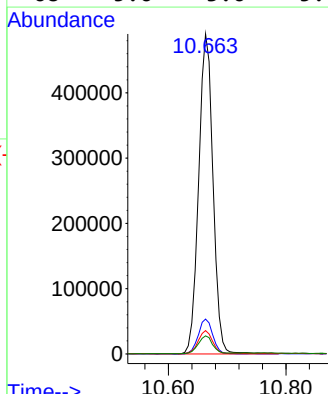
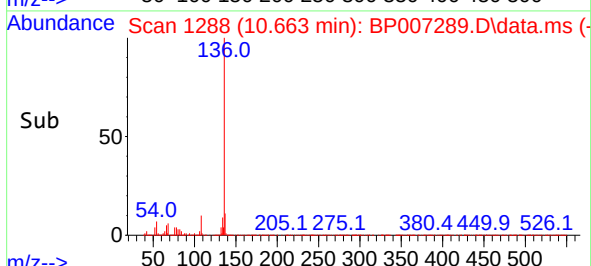
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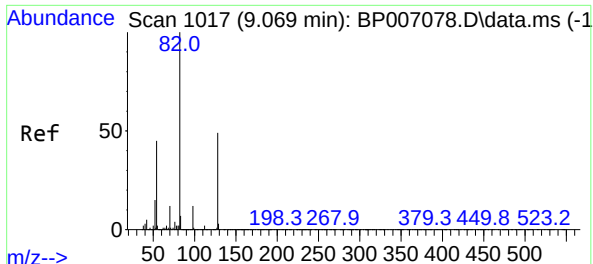


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12



Tgt Ion: 136 Resp: 832016
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.3 4.6 6.8#
68 5.6 3.6 5.4#





#23
Nitrobenzene-d5
Concen: 77.12 ng
RT: 9.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

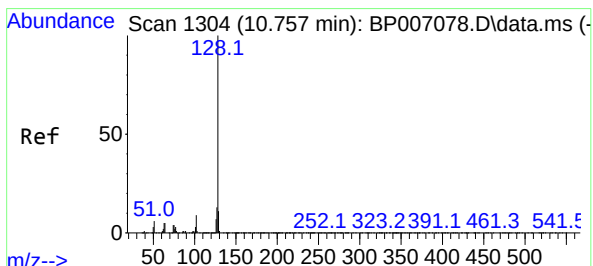
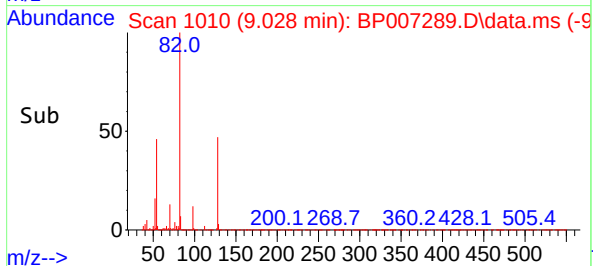
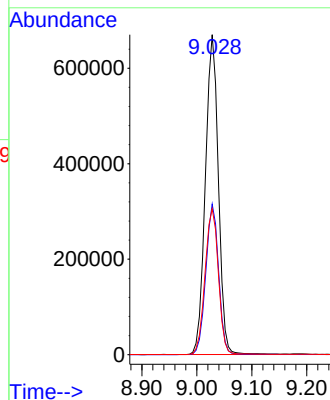
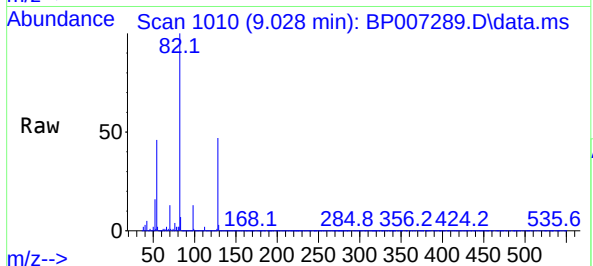
Tgt Ion: 82 Resp: 1101749

Ion	Ratio	Lower	Upper
82	100		
128	47.0	35.7	53.5
54	45.6	35.0	52.4

Instrument :
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ClientSampleId :
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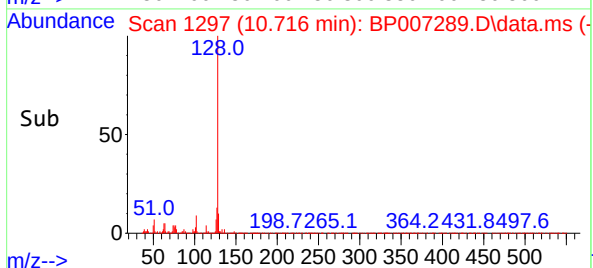
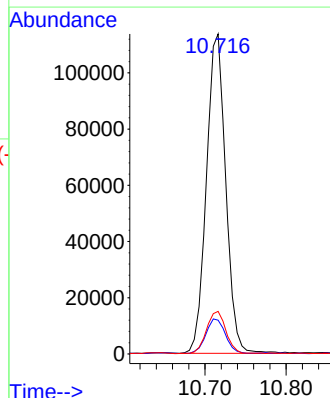
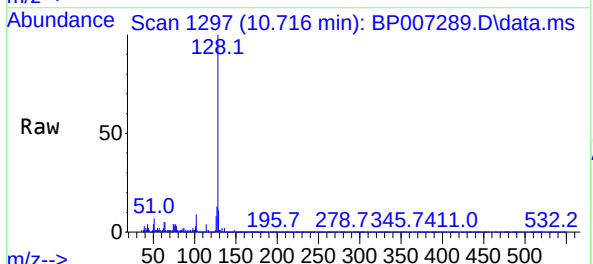
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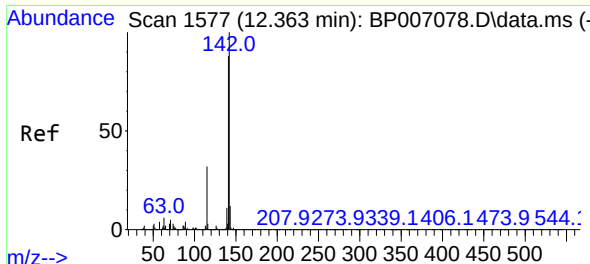


#31
Naphthalene
Concen: 4.41 ng
RT: 10.716 min Scan# 1297
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

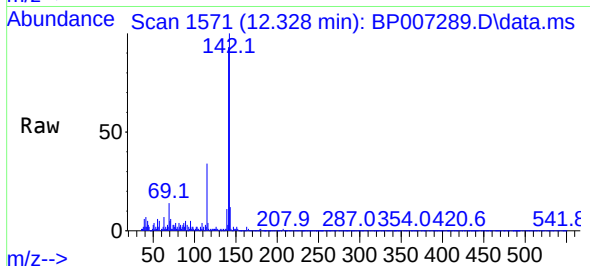
Tgt Ion: 128 Resp: 187297

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.0	13.6
127	13.3	10.7	16.1

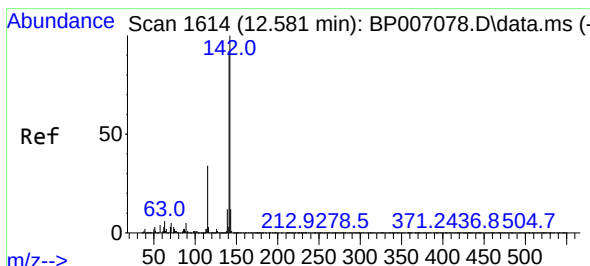
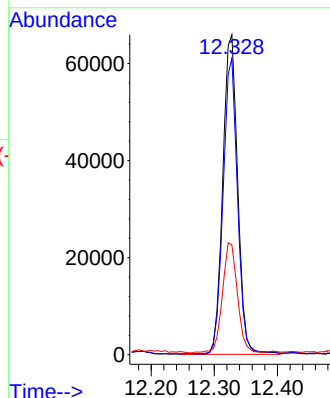
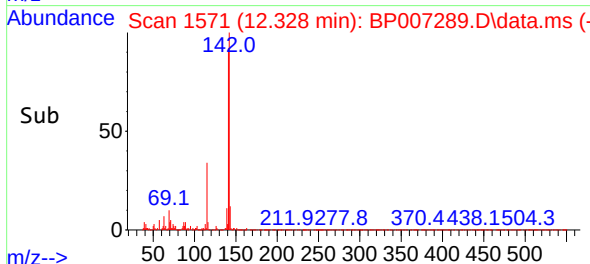




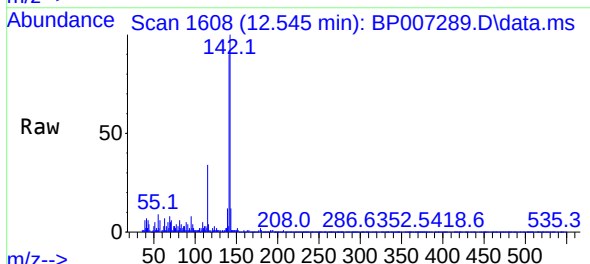
#37
2-Methylnaphthalene
Concen: 3.61 ng
RT: 12.328 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12



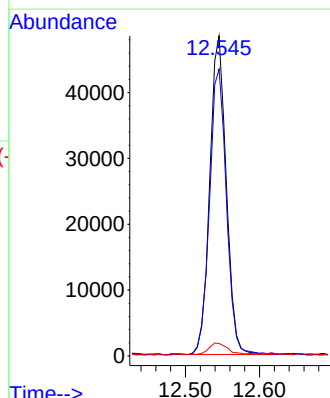
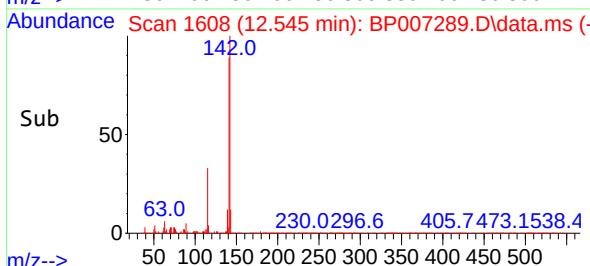
Tgt Ion:142 Resp: 107390
Ion Ratio Lower Upper
142 100
141 92.6 71.8 107.6
115 34.3 31.6 47.4



#38
1-Methylnaphthalene
Concen: 2.57 ng
RT: 12.545 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12



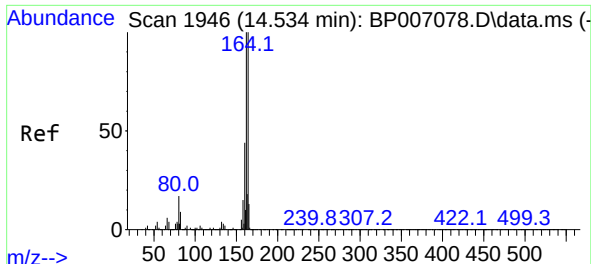
Tgt Ion:142 Resp: 74669
Ion Ratio Lower Upper
142 100
141 89.6 73.3 109.9
116 3.9 3.5 5.3



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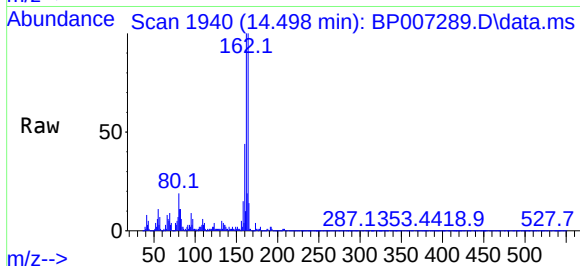
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

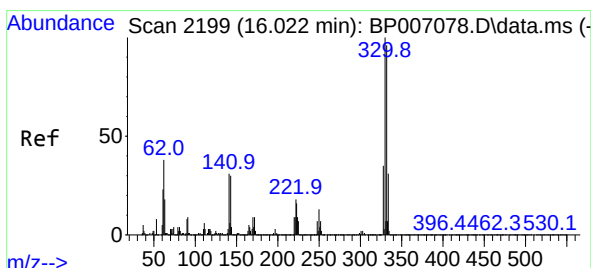
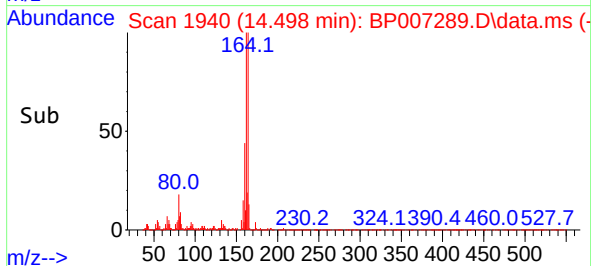
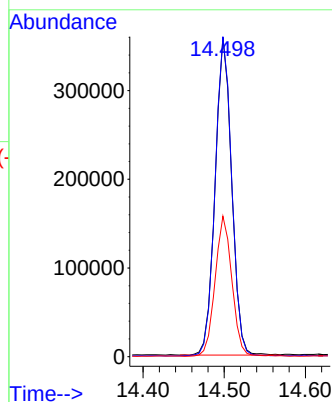
Instrument :
BNA_P
ClientSampled :
229-342



Tgt Ion:164 Resp: 507231
Ion Ratio Lower Upper
164 100
162 100.2 80.2 120.2
160 44.0 34.5 51.7

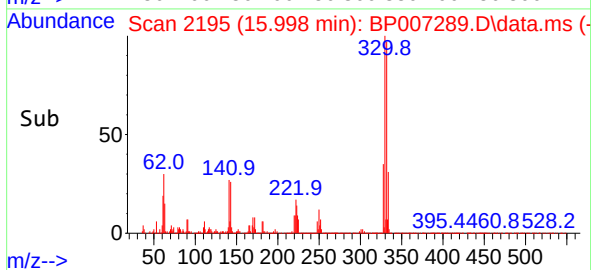
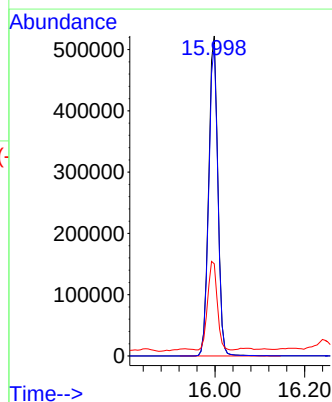
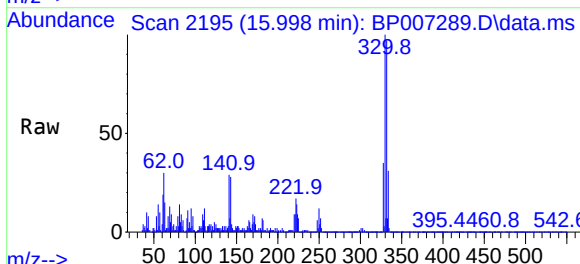
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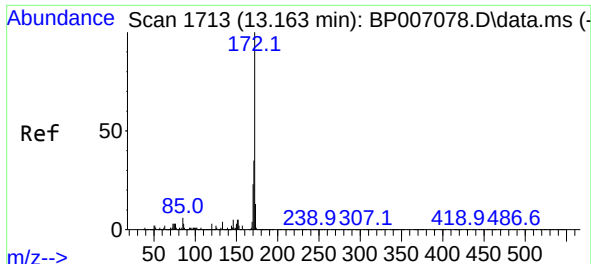
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#42
2,4,6-Tribromophenol
Concen: 112.80 ng
RT: 15.998 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

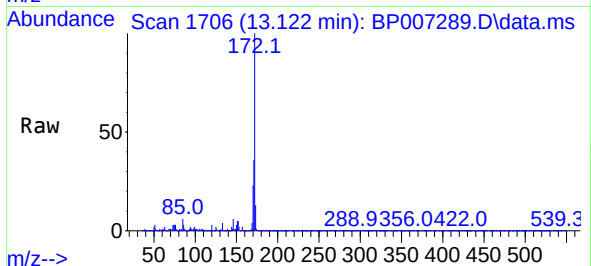
Tgt Ion:330 Resp: 741766
Ion Ratio Lower Upper
330 100
332 96.3 77.8 116.8
141 28.7 25.4 38.2





#45
2-Fluorobiphenyl
Concen: 76.80 ng
RT: 13.122 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

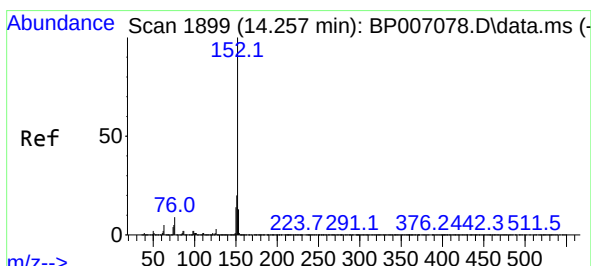
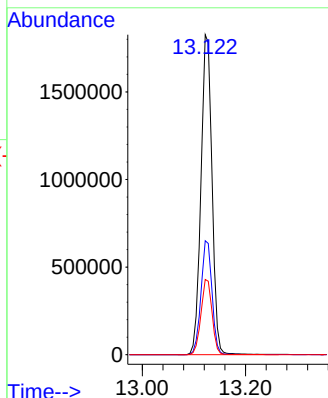
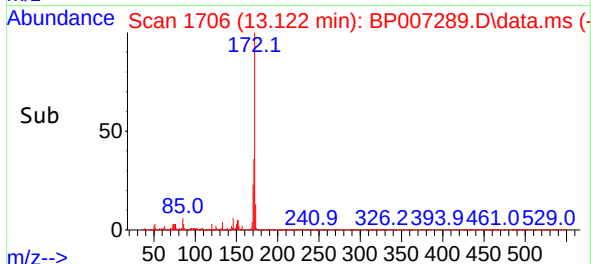
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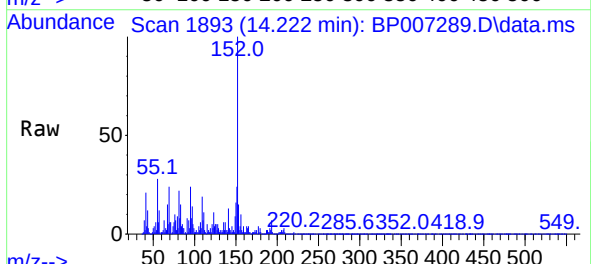
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Ion Ratio Lower Upper
172 100
171 35.6 27.9 41.9
170 23.5 18.6 27.8

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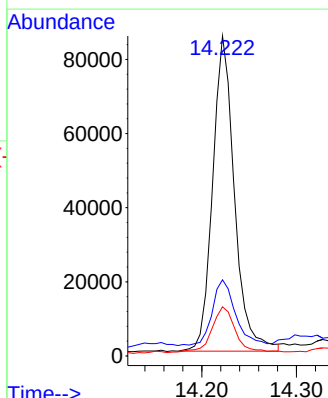
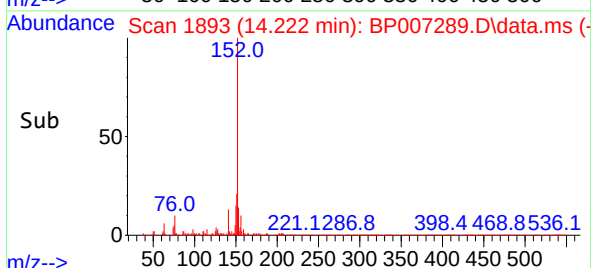
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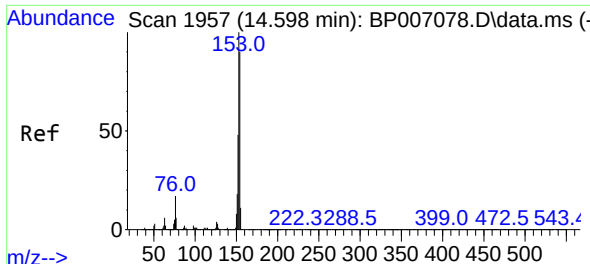


#49
Acenaphthylene
Concen: 3.03 ng
RT: 14.222 min Scan# 1893
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12



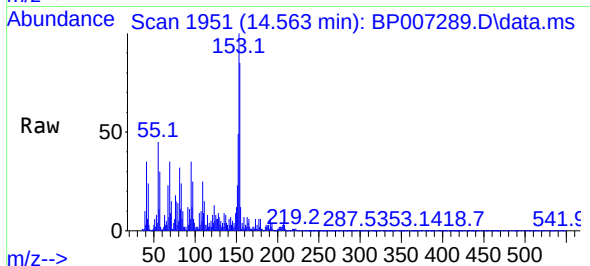
Tgt Ion:152 Resp: 136247
Ion Ratio Lower Upper
152 100
151 23.8 16.2 24.2
153 15.3 10.6 16.0





#52
Acenaphthene
Concen: 3.22 ng
RT: 14.563 min Scan# 1951
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

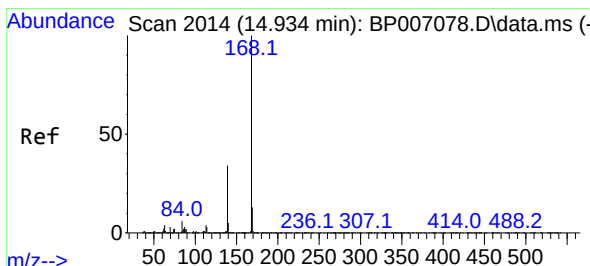
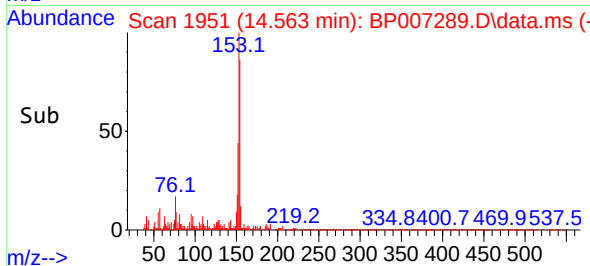
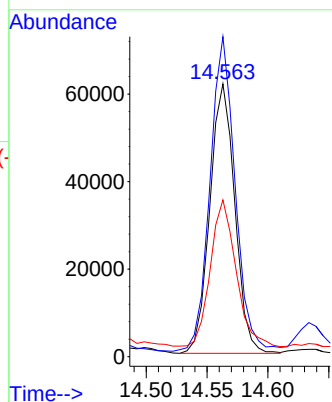
Instrument :
BNA_P
ClientSampleId :
229-342



Tgt Ion:154 Resp: 87858
Ion Ratio Lower Upper
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152 57.5 43.0 64.4

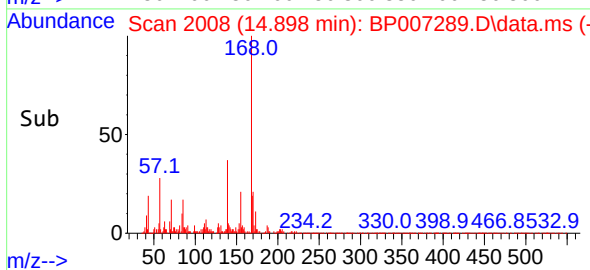
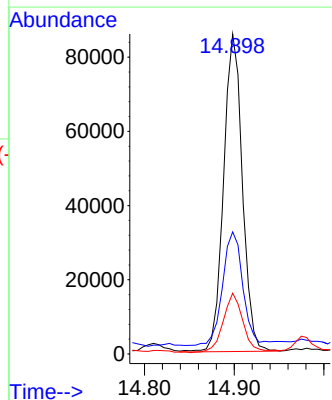
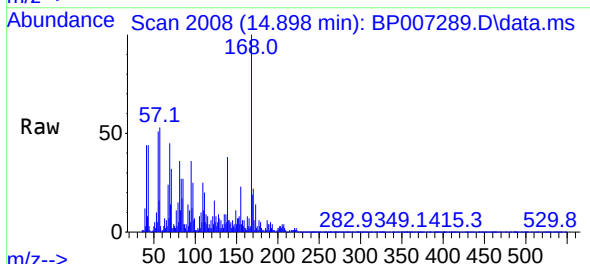
Manual Integrations
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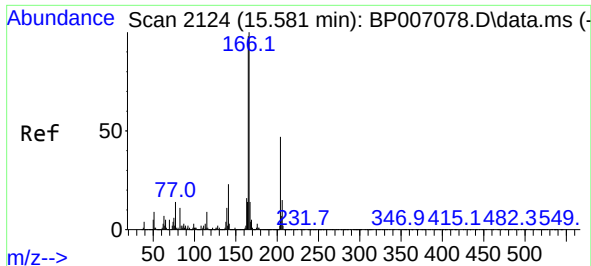
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#55
Dibenzofuran
Concen: 2.73 ng
RT: 14.898 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:168 Resp: 124402
Ion Ratio Lower Upper
168 100
139 38.2 31.0 46.6
169 19.0 10.8 16.2#





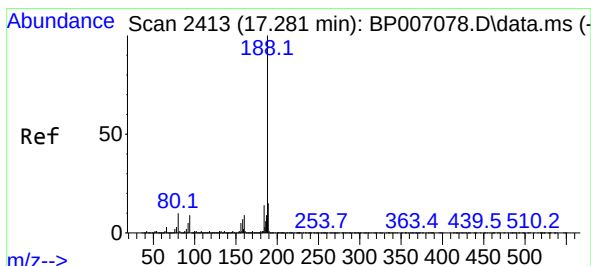
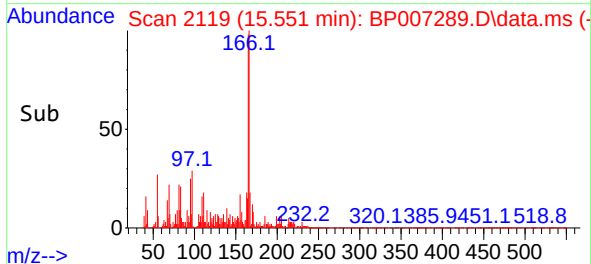
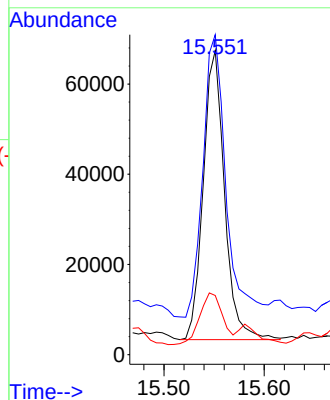
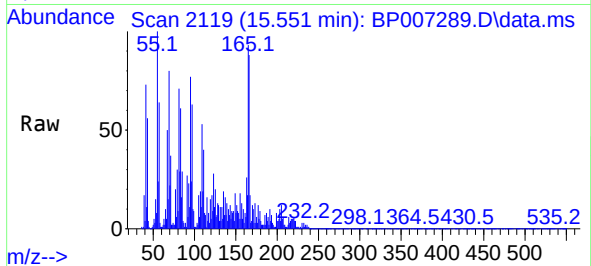
#58
Fluorene
Concen: 2.69 ng
RT: 15.551 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:166 Resp: 94604
Ion Ratio Lower Upper
166 100
165 105.2 78.0 117.0
167 19.5 10.5 15.7#

Instrument :
BNA_P
ClientSampled :
229-342

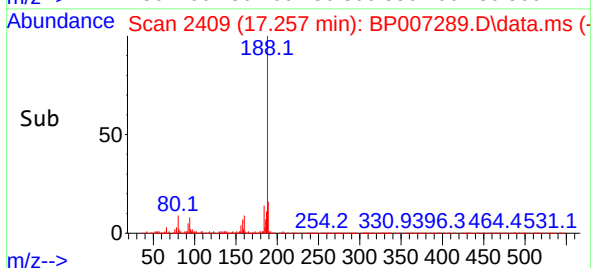
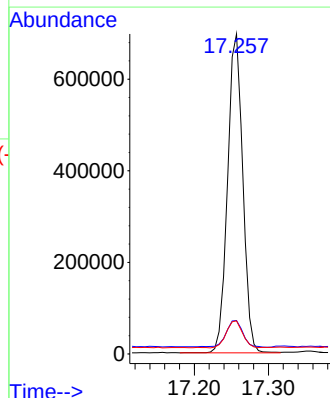
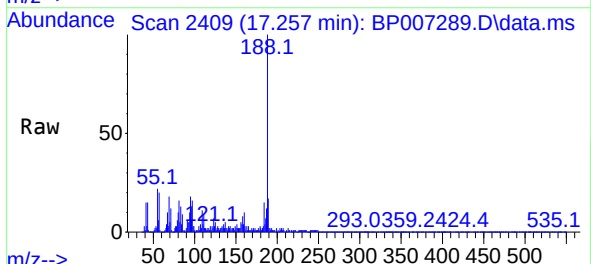
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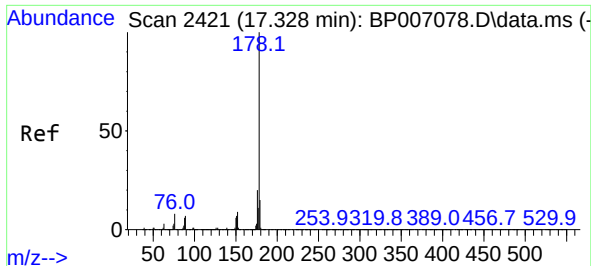
mohammad
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.257 min Scan# 2409
Delta R.T. 0.006 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:188 Resp: 991183
Ion Ratio Lower Upper
188 100
94 10.4 5.6 8.4#
80 10.3 6.3 9.5#





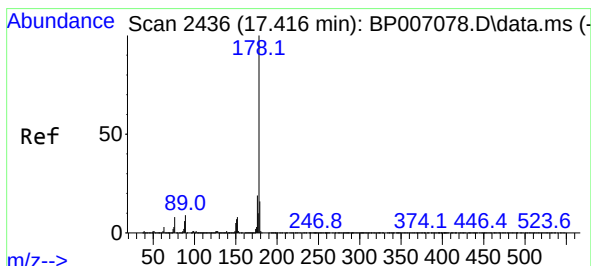
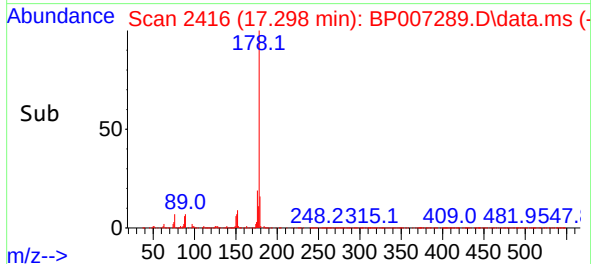
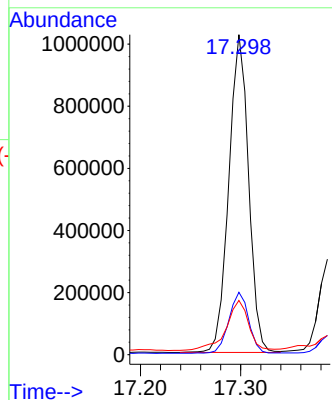
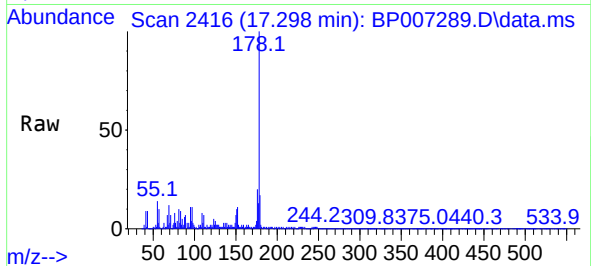
#71
Phenanthrene
Concen: 26.38 ng
RT: 17.298 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:178 Resp: 1402058
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 16.9 12.4 18.6

Instrument :
BNA_P
ClientSampleId :
229-342

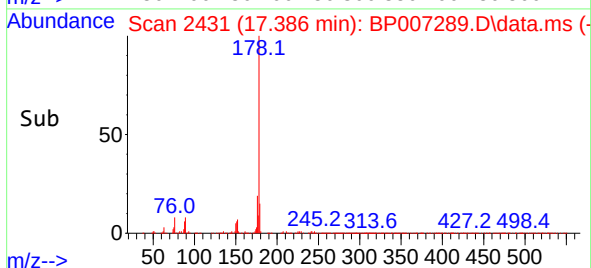
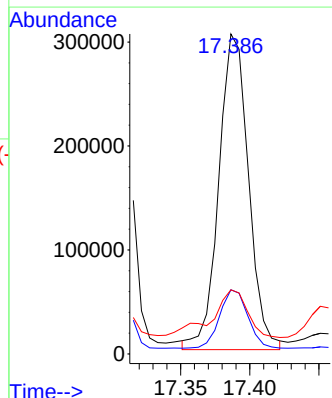
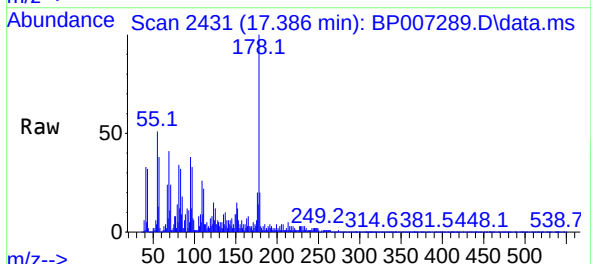
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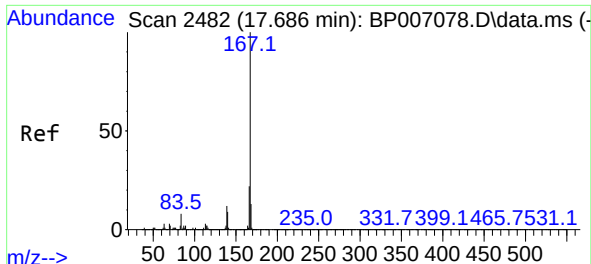
mohammad
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#72
Anthracene
Concen: 8.74 ng m
RT: 17.386 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

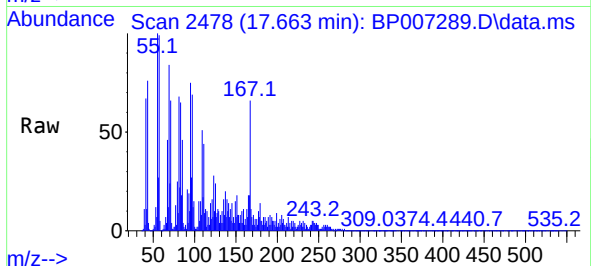
Tgt Ion:178 Resp: 454408
Ion Ratio Lower Upper
178 100
176 20.1 14.9 22.3
179 20.1 12.2 18.2#





#73
 Carbazole
 Concen: 3.11 ng
 RT: 17.663 min Scan# 2478
 Delta R.T. 0.000 min
 Lab File: BP007289.D
 Acq: 01 Oct 2021 14:12

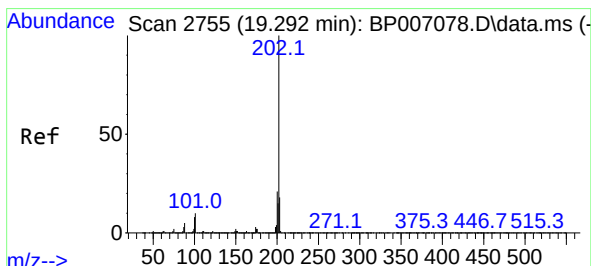
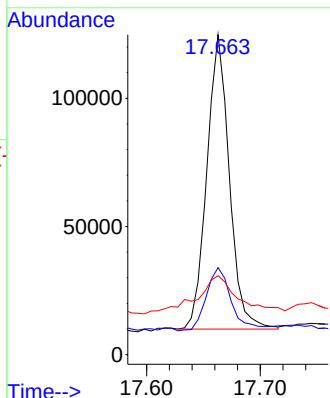
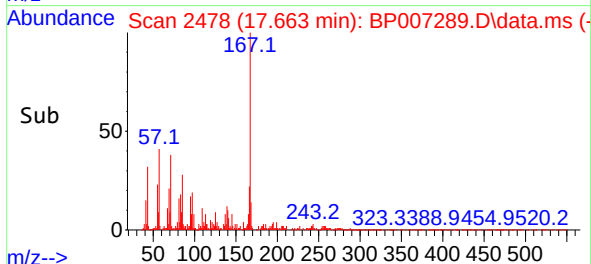
Instrument :
 BNA_P
 ClientSampleId :
 229-342



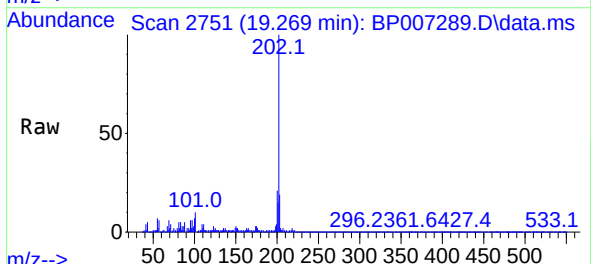
Tgt Ion:167 Resp: 158230
 Ion Ratio Lower Upper
 167 100
 166 27.2 17.1 25.7#
 139 24.7 10.7 16.1#

Manual Integrations
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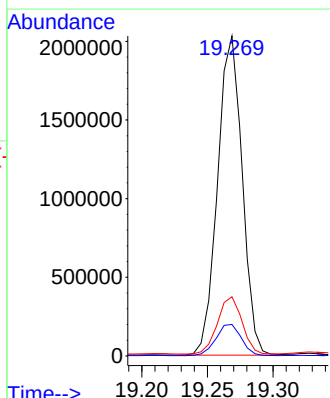
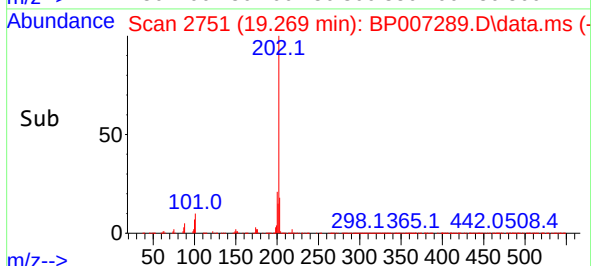
mohammad
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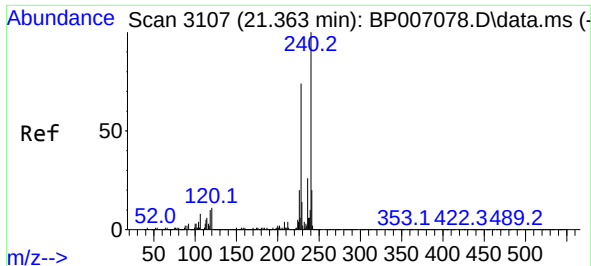


#75
 Fluoranthene
 Concen: 43.25 ng
 RT: 19.269 min Scan# 2751
 Delta R.T. 0.006 min
 Lab File: BP007289.D
 Acq: 01 Oct 2021 14:12



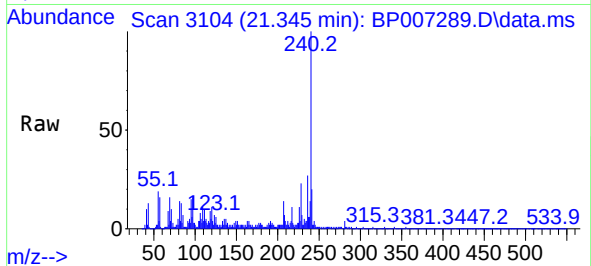
Tgt Ion:202 Resp: 2648557
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 27.6
 203 18.5 0.0 37.8





#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.006 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

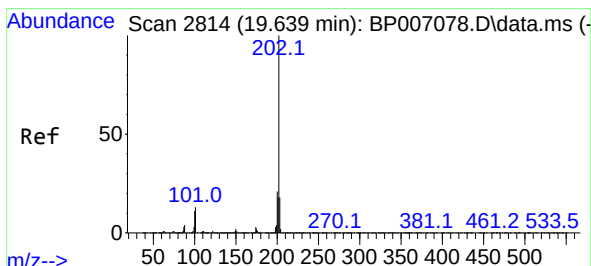
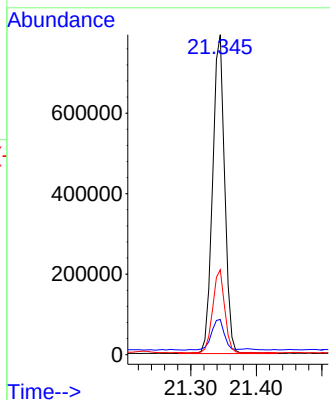
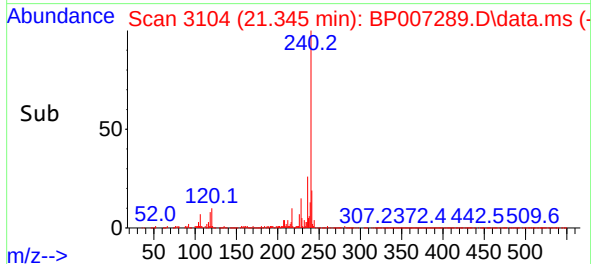
Instrument :
BNA_P
ClientSampleId :
229-342



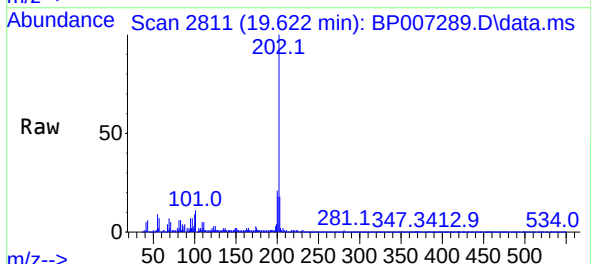
Tgt Ion:240 Resp: 1010020
Ion Ratio Lower Upper
240 100
120 11.0 6.5 9.7#
236 26.5 20.6 31.0

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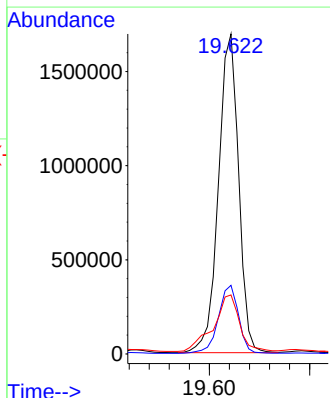
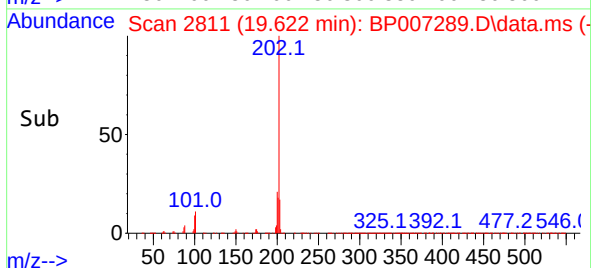
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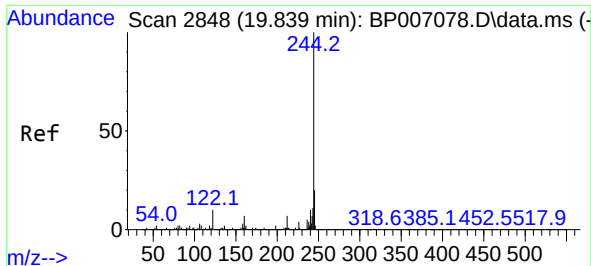


#78
Pyrene
Concen: 35.57 ng
RT: 19.622 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12



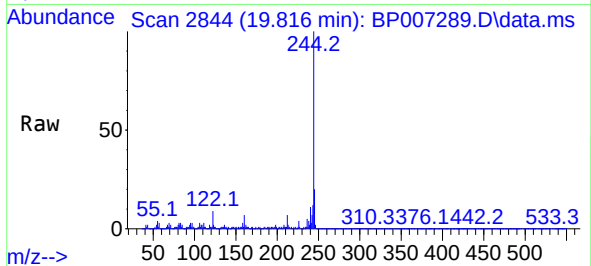
Tgt Ion:202 Resp: 2357163
Ion Ratio Lower Upper
202 100
200 21.4 16.3 24.5
203 18.4 14.2 21.2





#79
Terphenyl-d14
Concen: 72.36 ng
RT: 19.816 min Scan# 2844
Delta R.T. 0.006 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

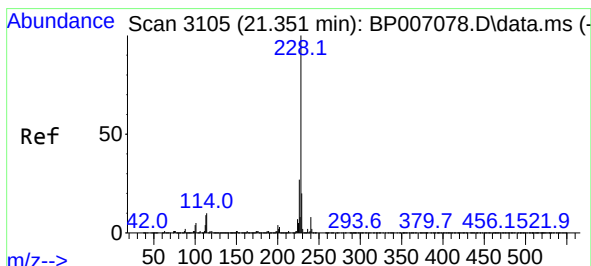
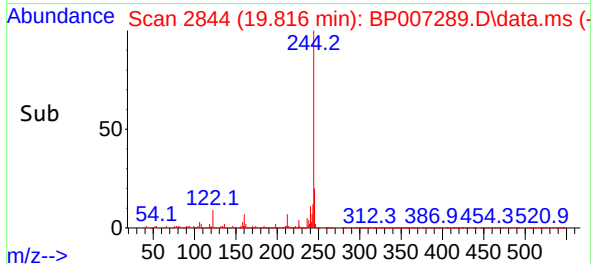
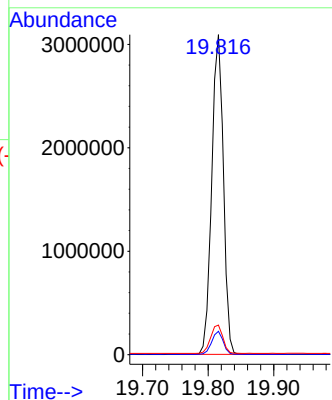
Instrument :
BNA_P
ClientSampleId :
229-342



Tgt Ion:244 Resp: 3813988
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 9.3 7.1 10.7

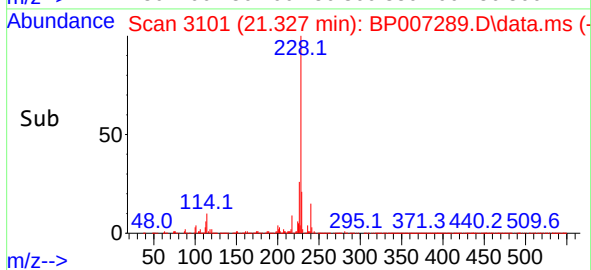
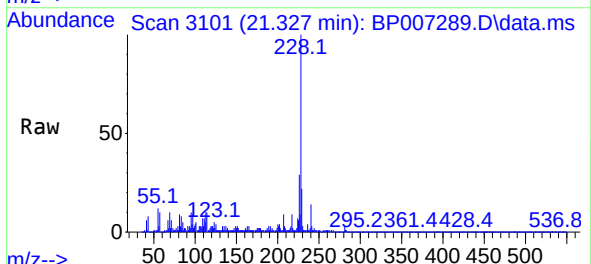
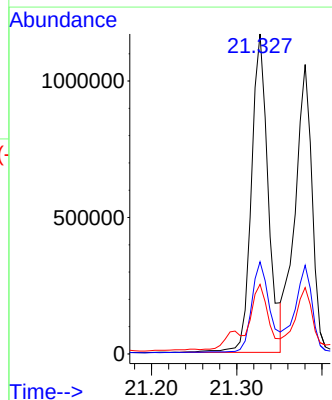
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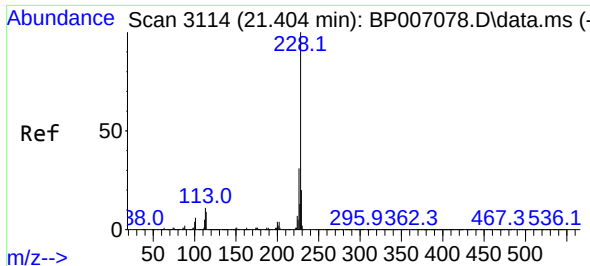
mohammad
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#81
Benzo(a)anthracene
Concen: 24.42 ng
RT: 21.327 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:228 Resp: 1601223
Ion Ratio Lower Upper
228 100
226 28.8 21.6 32.4
229 21.7 15.8 23.6





#83
Chrysene
Concen: 23.39 ng
RT: 21.380 min Scan# 3110
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

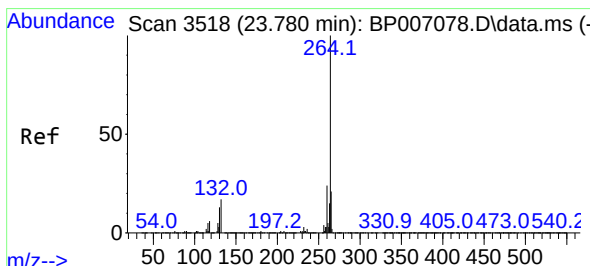
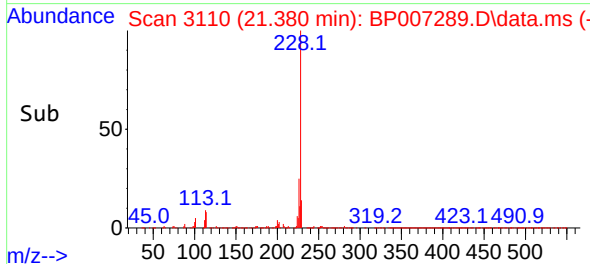
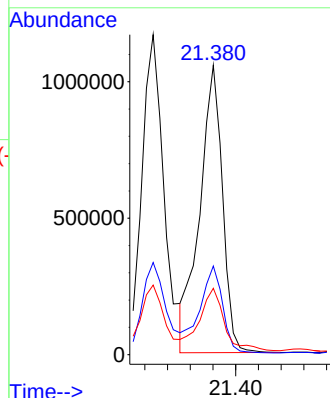
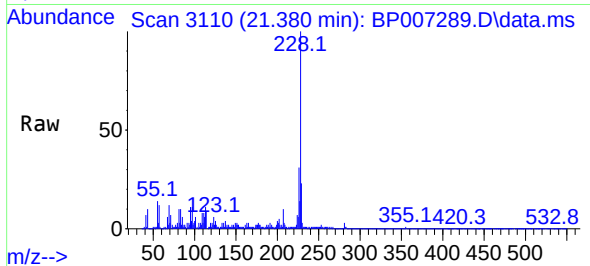
Tgt Ion:228 Resp: 1465561

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.8	35.6
229	23.0	15.4	23.2

Instrument :
BNA_P
ClientSampleId :
229-342

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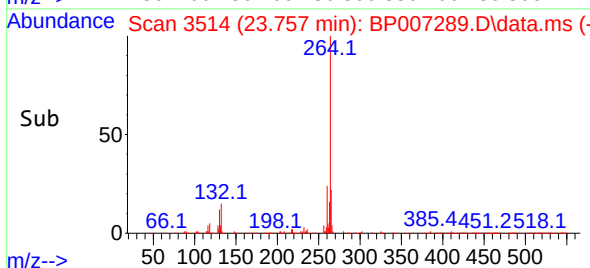
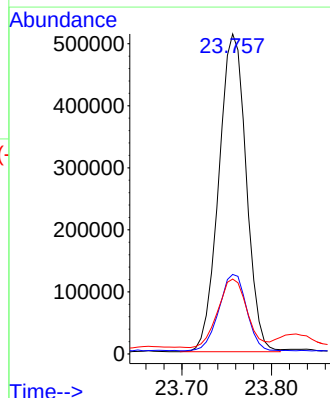
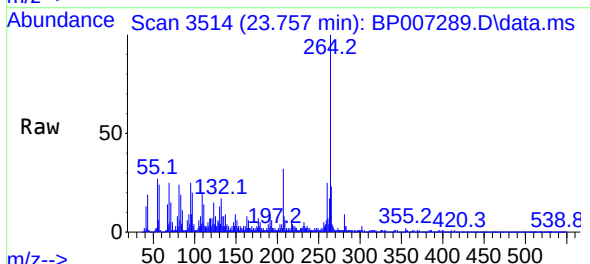
mohammad
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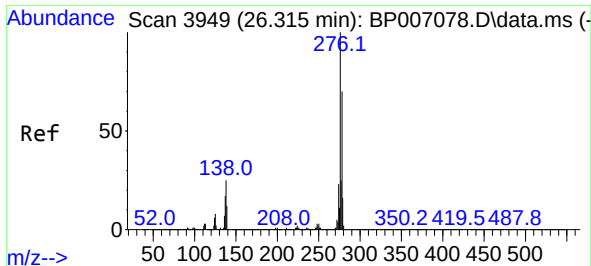


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.757 min Scan# 3514
Delta R.T. 0.012 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

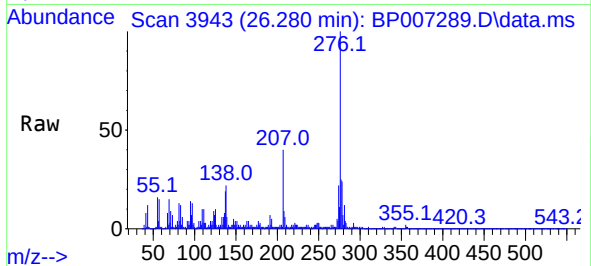
Tgt Ion:264 Resp: 1086664

Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.6	28.0
265	23.4	17.6	26.4

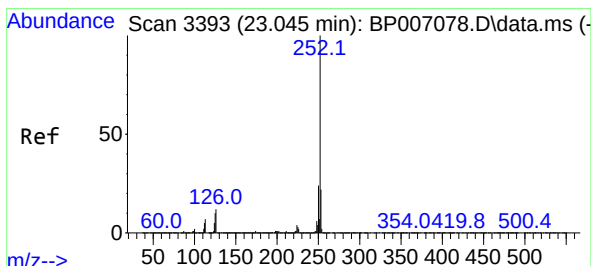
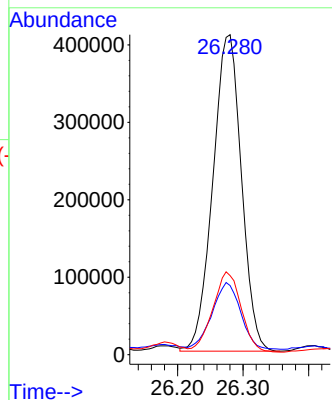
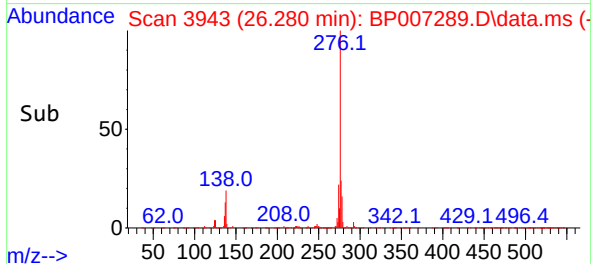




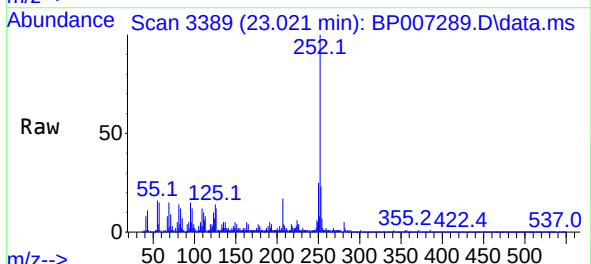
#87
Indeno(1,2,3-cd)pyrene
Concen: 15.81 ng
RT: 26.280 min Scan# 3943
Delta R.T. 0.012 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12



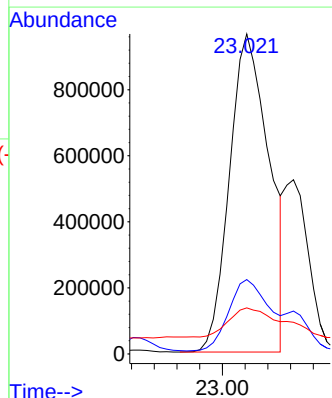
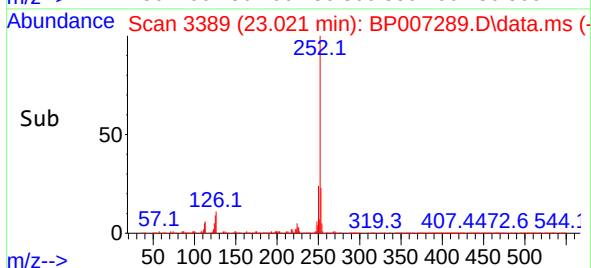
Tgt Ion: 276 Resp: 1235020
Ion Ratio Lower Upper
276 100
138 21.2 15.3 22.9
277 25.2 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 35.89 ng
RT: 23.021 min Scan# 3389
Delta R.T. 0.012 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12



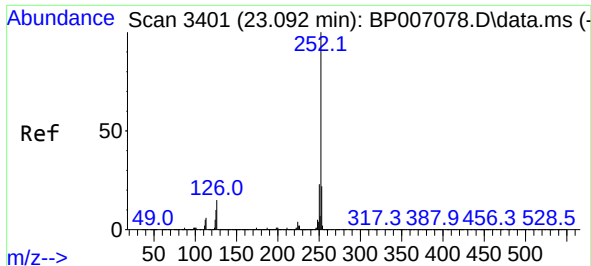
Tgt Ion: 252 Resp: 2330558
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 14.4 6.2 9.4#



Instrument :
BNA_P
ClientSampleId :
229-342

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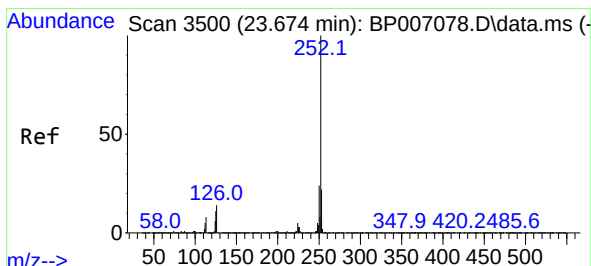
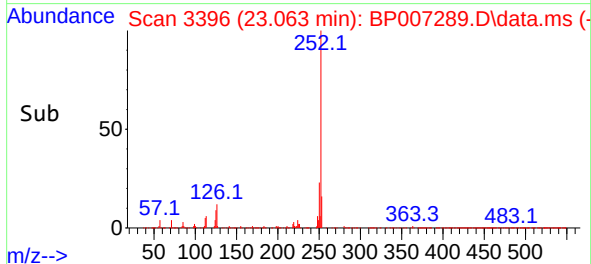
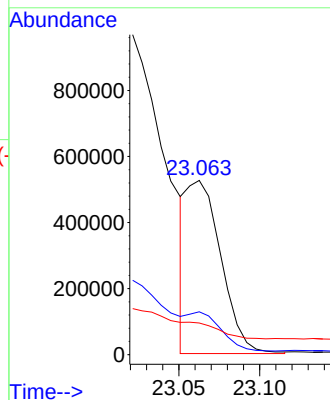
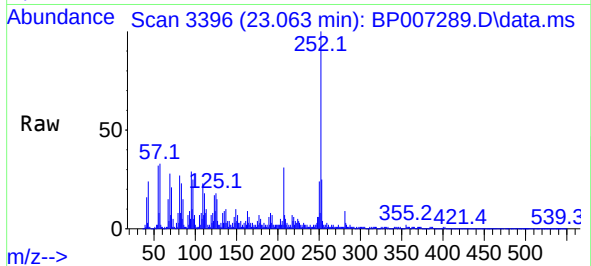
#89
Benzo(k)fluoranthene
Concen: 11.73 ng m
RT: 23.063 min Scan# 3396
Delta R.T. 0.006 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:252 Resp: 771556
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 18.1 6.0 9.0#

Instrument :
BNA_P
ClientSampled :
229-342

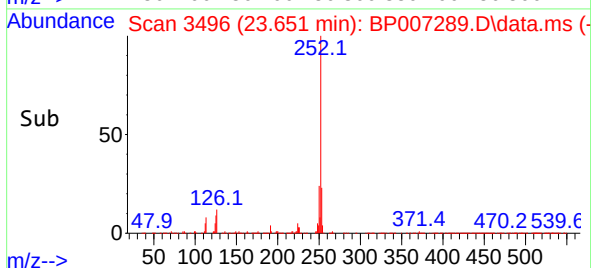
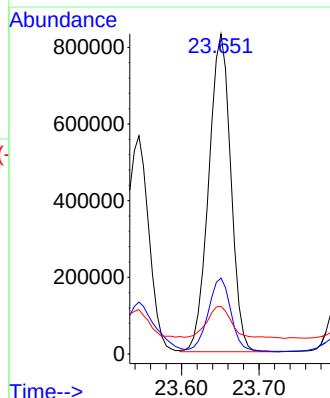
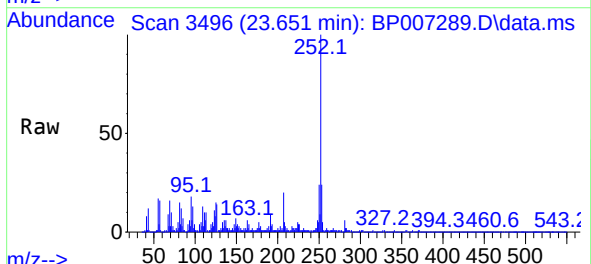
Manual Integrations
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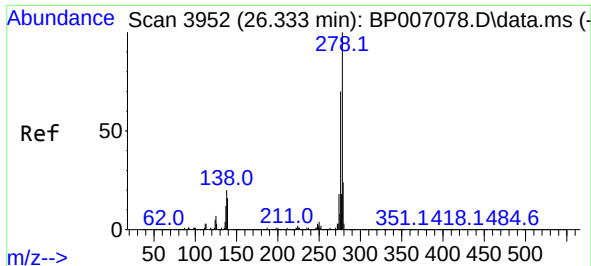
mohammad
10/4/2021 11:52:53 AM



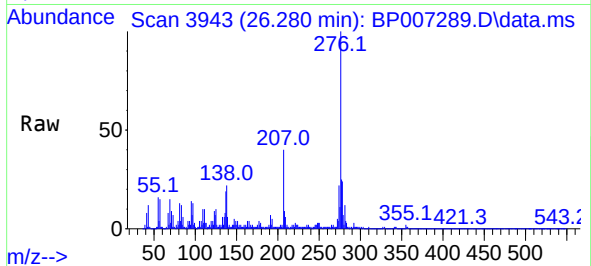
#90
Benzo(a)pyrene
Concen: 29.72 ng
RT: 23.651 min Scan# 3496
Delta R.T. 0.012 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12

Tgt Ion:252 Resp: 1639888
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 14.9 6.5 9.7#

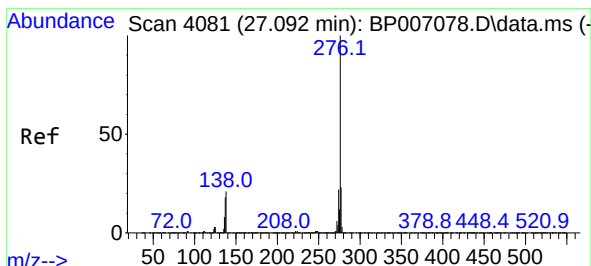
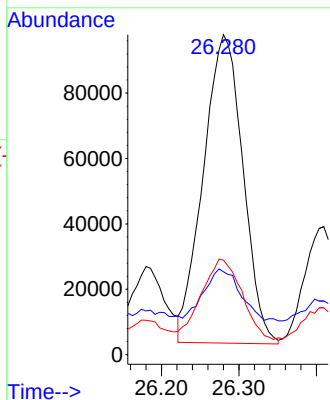
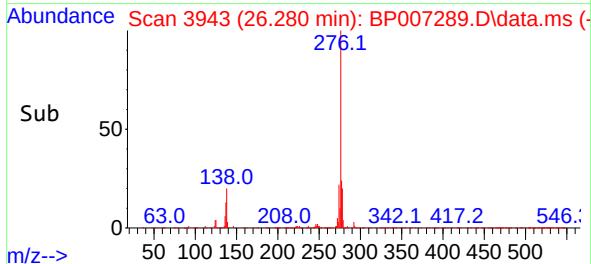




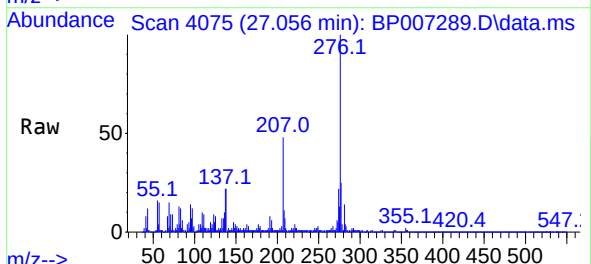
#91
Dibenzo(a,h)anthracene
Concen: 5.13 ng
RT: 26.280 min Scan# 3943
Delta R.T. 0.000 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12



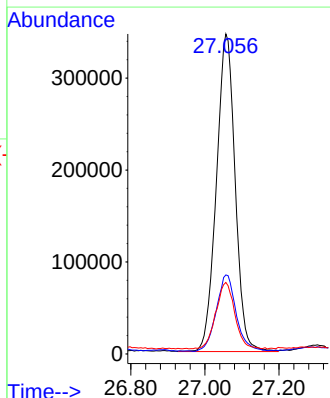
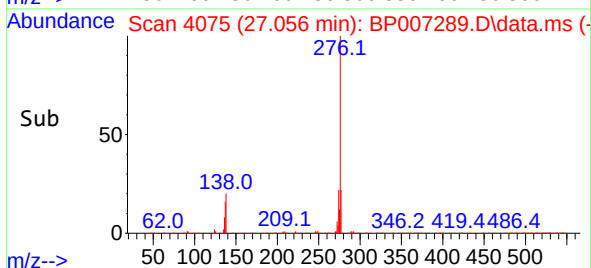
Tgt Ion: 278 Resp: 335619
Ion Ratio Lower Upper
278 100
139 25.9 9.3 13.9#
279 29.6 18.8 28.2#



#92
Benzo(g,h,i)perylene
Concen: 19.01 ng
RT: 27.056 min Scan# 4075
Delta R.T. 0.012 min
Lab File: BP007289.D
Acq: 01 Oct 2021 14:12



Tgt Ion: 276 Resp: 1213792
Ion Ratio Lower Upper
276 100
277 24.7 18.9 28.3
138 22.3 12.6 18.8#



Instrument :
BNA_P
ClientSampleId :
229-342

Manual Integrations
APPROVED

mohammad
10/4/2021 11:52:53 AM