

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
 Data File : BP003430.D
 Acq On : 01 Oct 2020 00:35
 Operator : CG/JU
 Sample : L4193-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-12(3-4)

Manual Integrations
 APPROVED

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Quant Time: Oct 01 02:19:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 30 17:14:02 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.540	152	106388	20.00	ng	0.00
21) Naphthalene-d8	10.316	136	455744	20.00	ng	# 0.00
39) Acenaphthene-d10	14.192	164	291345	20.00	ng	0.00
64) Phenanthrene-d10	16.963	188	647286	20.00	ng	# 0.02
76) Chrysene-d12	21.174	240	563323	20.00	ng	0.11
86) Perylene-d12	23.674	264	635112m	20.00	ng	0.42
System Monitoring Compounds						
5) 2-Fluorophenol	5.152	112	597715	98.10	ng	0.00
7) Phenol-d6	6.746	99	783783	96.51	ng	0.00
23) Nitrobenzene-d5	8.693	82	508877	65.60	ng	0.00
42) 2,4,6-Tribromophenol	15.704	330	343623	77.33	ng	0.01
45) 2-Fluorobiphenyl	12.810	172	1192655	59.87	ng	0.00
79) Terphenyl-d14	19.569	244	1684769	62.31	ng	0.04
Target Compounds						Qvalue
31) Naphthalene	10.363	128	81984	3.41	ng	98
37) 2-Methylnaphthalene	11.993	142	36498	2.09	ng	97
49) Acenaphthylene	13.910	152	472970	17.20	ng	99
50) Dimethylphthalate	13.657	163	114278	4.91	ng	100
52) Acenaphthene	14.257	154	114343	6.83	ng	99
55) Dibenzofuran	14.598	168	120414	4.51	ng	94
58) Fluorene	15.251	166	208958	9.91	ng	99
71) Phenanthrene	17.004	178	2447888	69.51	ng	99
72) Anthracene	17.098	178	899870	25.93	ng	100
73) Carbazole	17.381	167	246427	7.47	ng	99
75) Fluoranthene	19.016	202	4319597	97.55	ng	98
78) Pyrene	19.375	202	3783858	107.71	ng	99
81) Benzo(a)anthracene	21.169	228	2649803	72.77	ng	# 88
83) Chrysene	21.204	228	1671371m	47.77	ng	
87) Indeno(1,2,3-cd)pyrene	25.557	276	110145m	2.29	ng	
88) Benzo(b)fluoranthene	22.910	252	4130019m	102.98	ng	
89) Benzo(k)fluoranthene	23.551	252	3983828m	103.64	ng	
90) Benzo(a)pyrene	23.551	252	4065978m	107.51	ng	
92) Benzo(g,h,i)perylene	26.474	276	1760123m	44.38	ng	

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

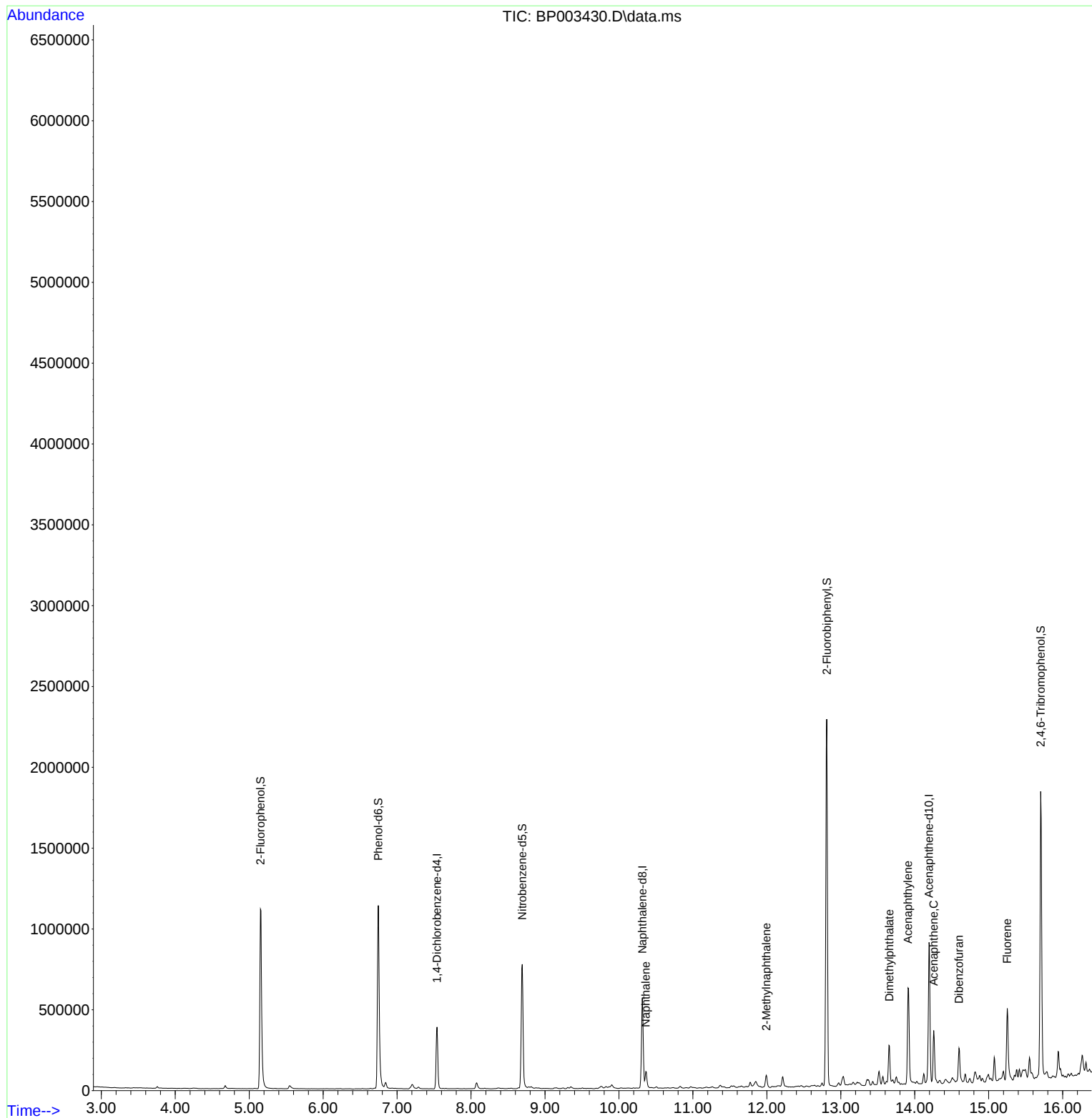
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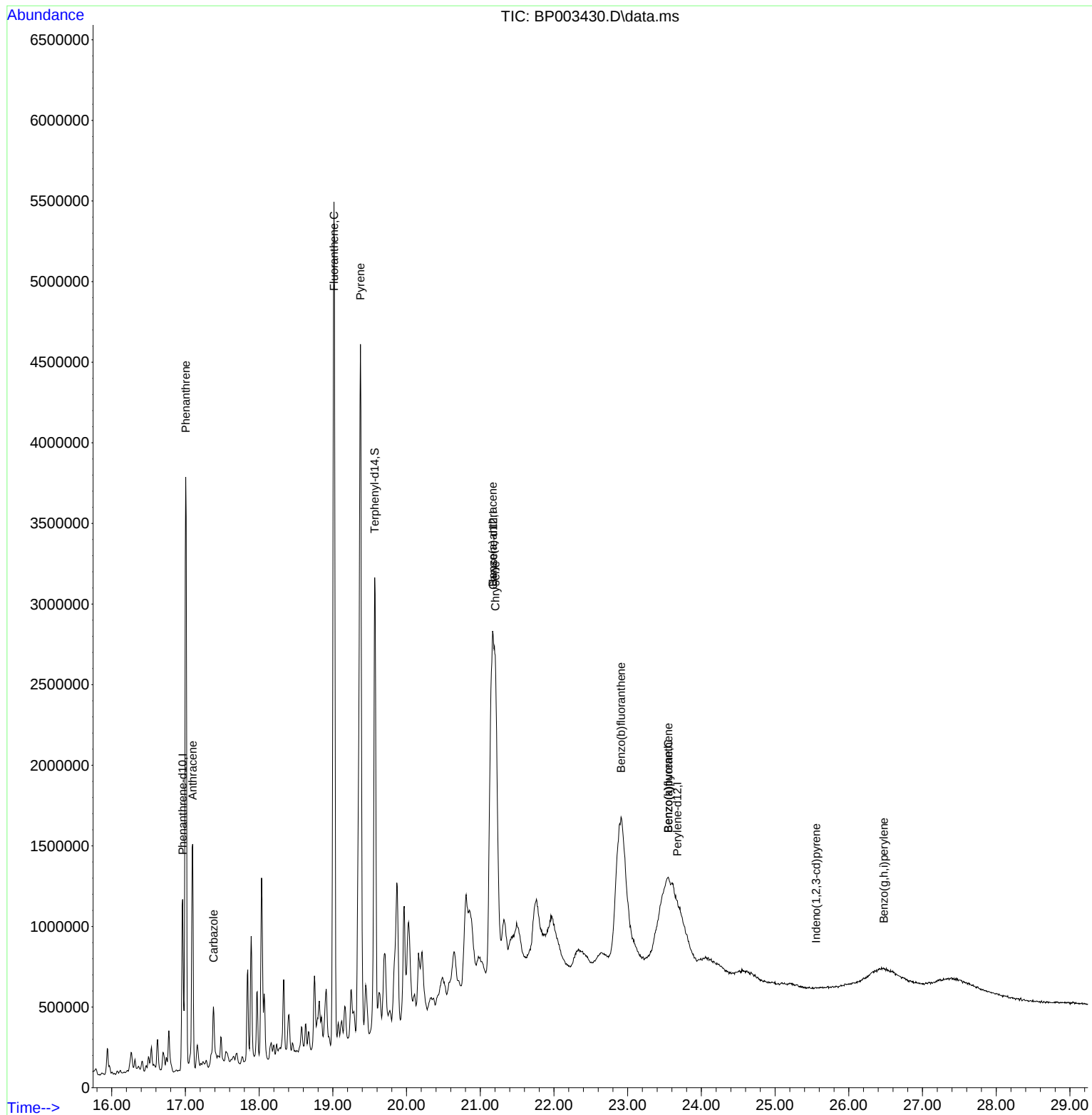
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Acq On : 01 Oct 2020 00:35
Operator : CG/JU
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Misc :
ALS Vial : 17 Sample Multiplier: 1

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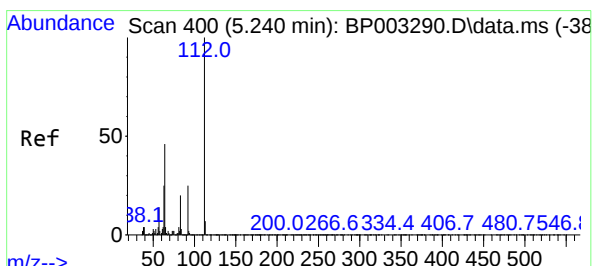
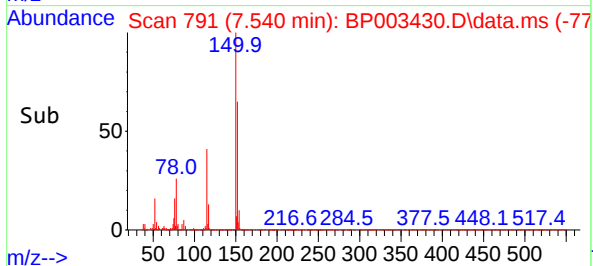
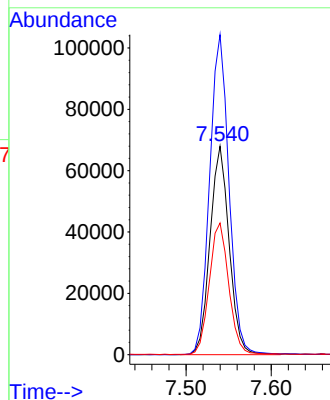
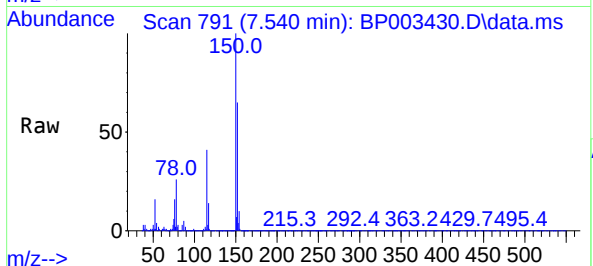
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.540 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:152 Resp: 106388
Ion Ratio Lower Upper
152 100
150 153.5 123.8 185.6
115 63.2 43.8 65.6

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

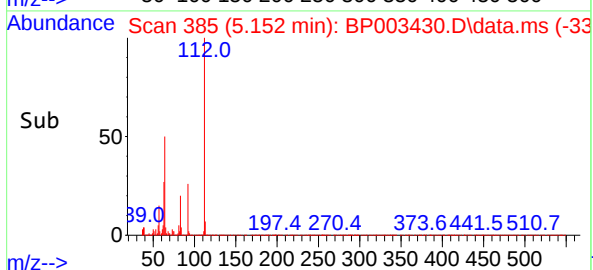
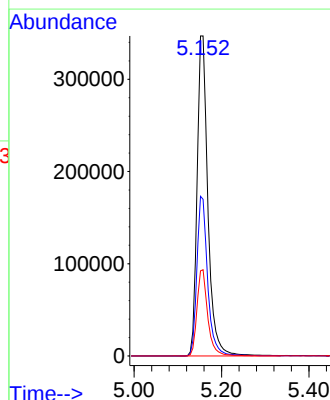
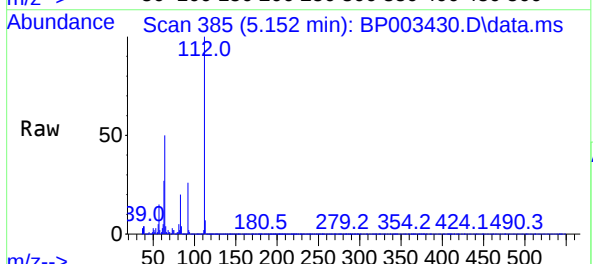
Manual Integrations
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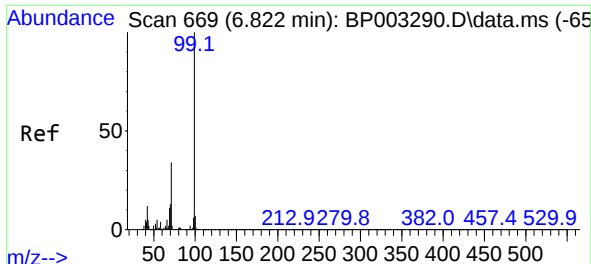
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#5
2-Fluorophenol
Concen: 98.10 ng
RT: 5.152 min Scan# 385
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

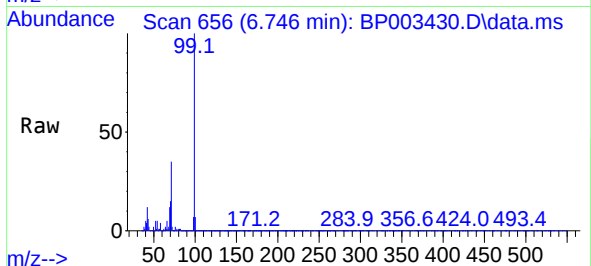
Tgt Ion:112 Resp: 597715
Ion Ratio Lower Upper
112 100
64 49.9 32.8 49.2#
63 26.6 17.0 25.4#





#7
Phenol-d6
Concen: 96.51 ng
RT: 6.746 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

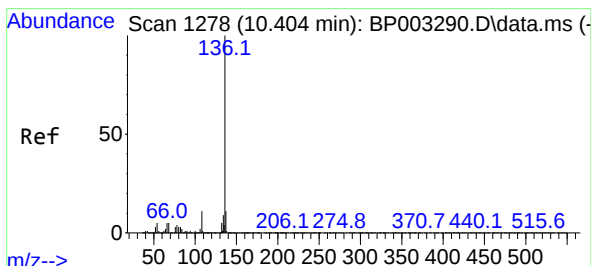
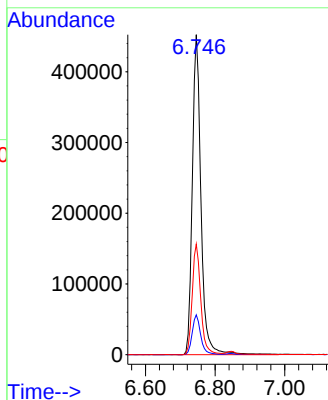
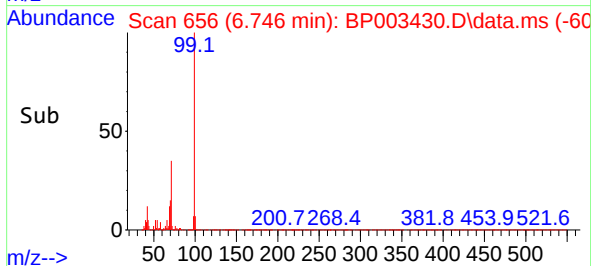
Instrument :
BNA_P
ClientSampleId :
B-12(3-4)



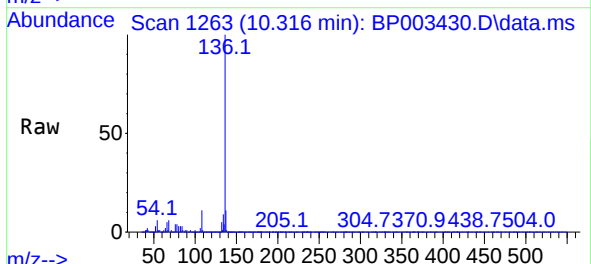
Tgt Ion: 99 Resp: 783783
Ion Ratio Lower Upper
99 100
42 12.4 8.6 13.0
71 34.6 23.4 35.2

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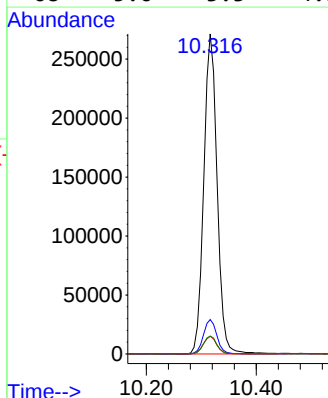
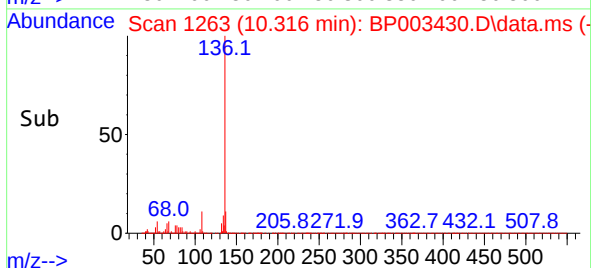
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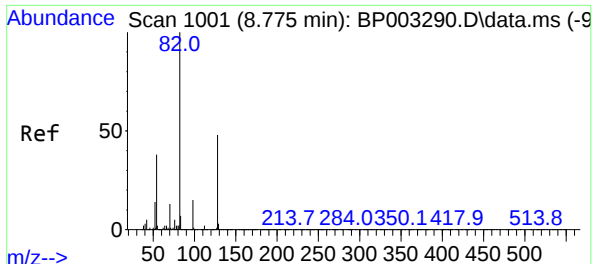


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.316 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35



Tgt Ion: 136 Resp: 455744
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 5.5 3.6 5.4#
68 5.6 3.3 4.9#



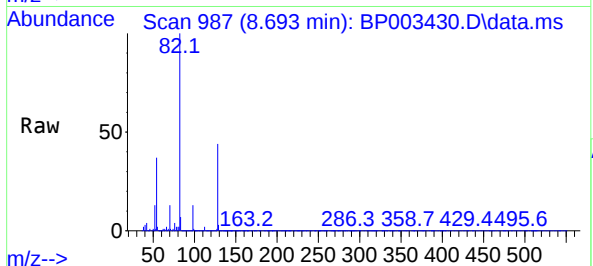


#23
Nitrobenzene-d5
Concen: 65.60 ng
RT: 8.693 min Scan# 987
Delta R.T. 0.006 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

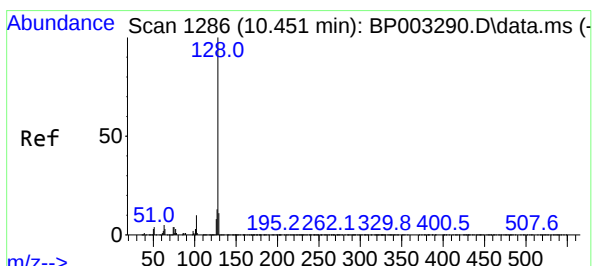
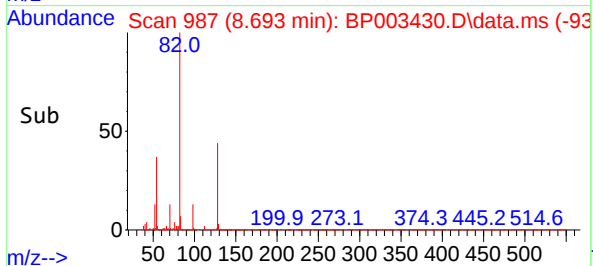
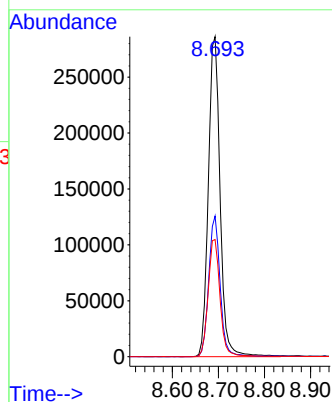
Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

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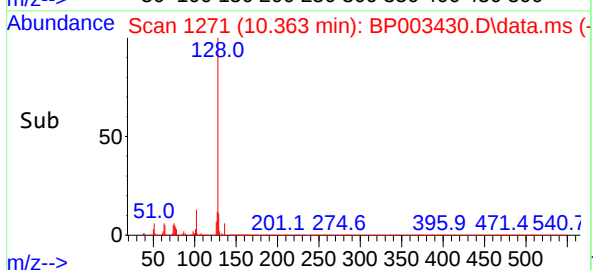
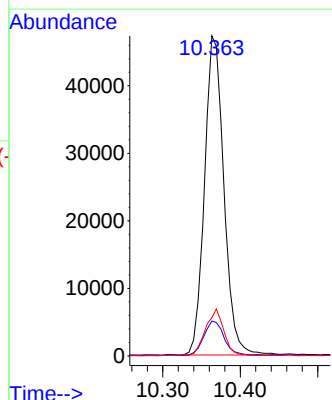
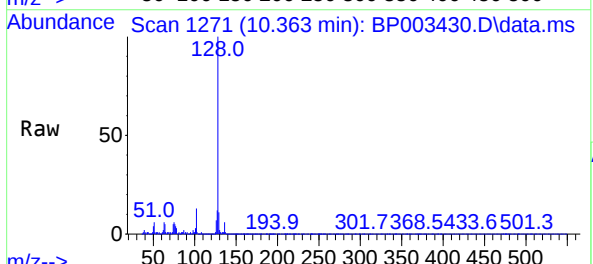


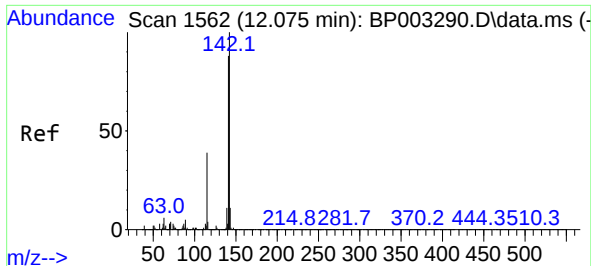
Tgt Ion: 82 Resp: 508877
Ion Ratio Lower Upper
82 100
128 43.9 45.6 68.4#
54 36.6 30.1 45.1



#31
Naphthalene
Concen: 3.41 ng
RT: 10.363 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

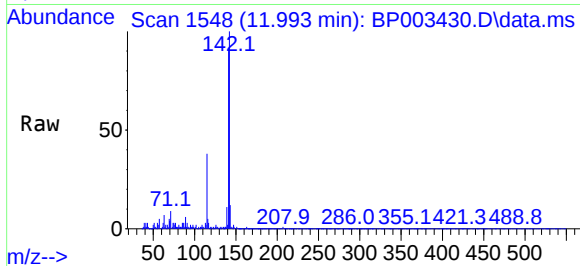
Tgt Ion: 128 Resp: 81984
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 11.9 10.6 15.8





#37
2-Methylnaphthalene
Concen: 2.09 ng
RT: 11.993 min Scan# 1548
Delta R.T. 0.006 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

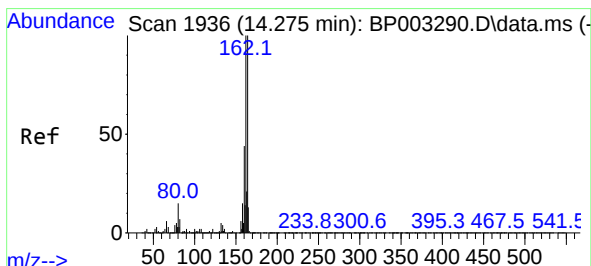
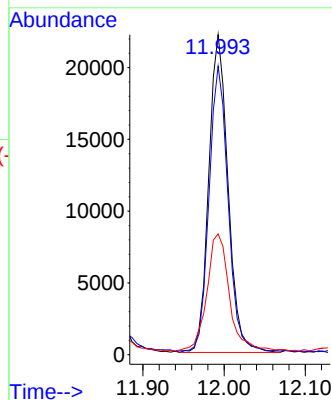
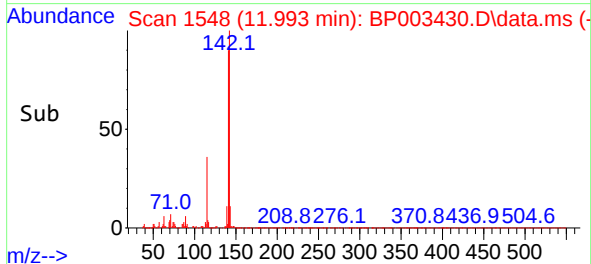
Instrument :
BNA_P
ClientSampleId :
B-12(3-4)



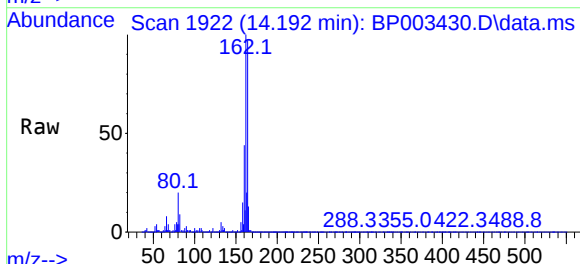
Tgt Ion:142 Resp: 36498
Ion Ratio Lower Upper
142 100
141 90.2 71.4 107.2
115 37.8 25.8 38.6

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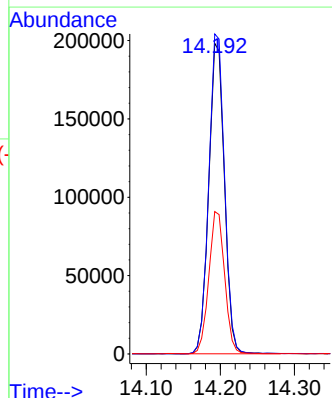
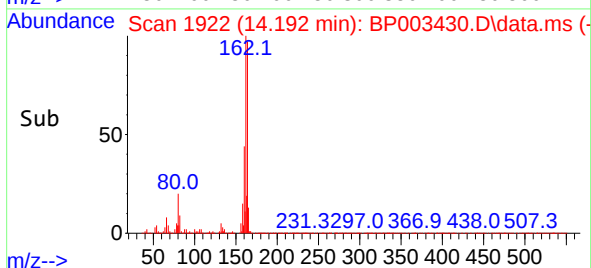
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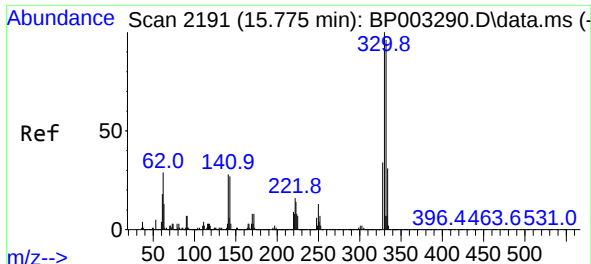


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.192 min Scan# 1922
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35



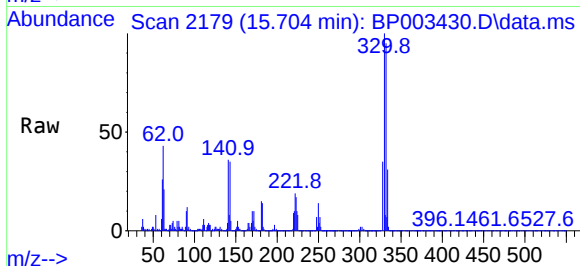
Tgt Ion:164 Resp: 291345
Ion Ratio Lower Upper
164 100
162 103.0 79.4 119.2
160 45.8 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 77.33 ng
RT: 15.704 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

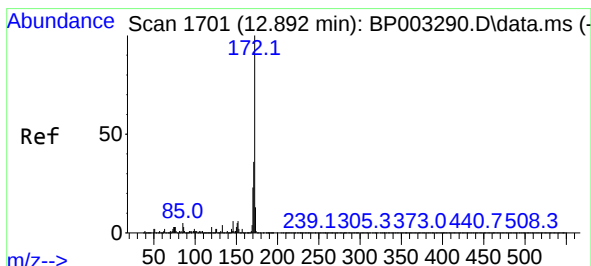
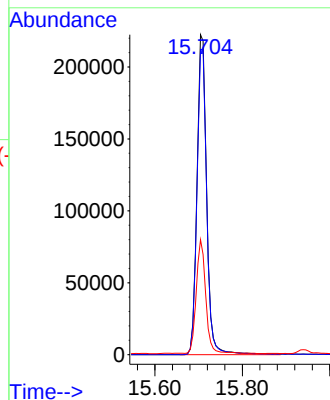
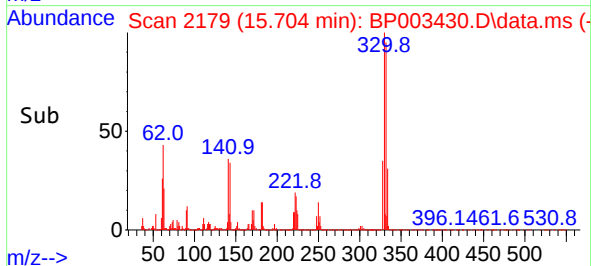
Instrument :
BNA_P
ClientSampled :
B-12(3-4)



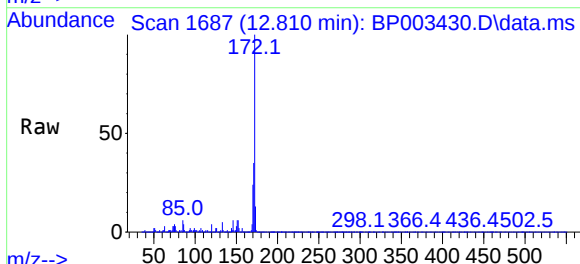
Tgt Ion:330 Resp: 343623
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 34.7 23.4 35.2

Manual Integrations
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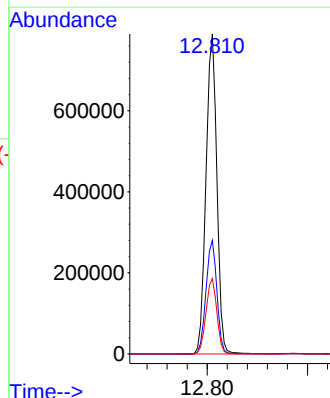
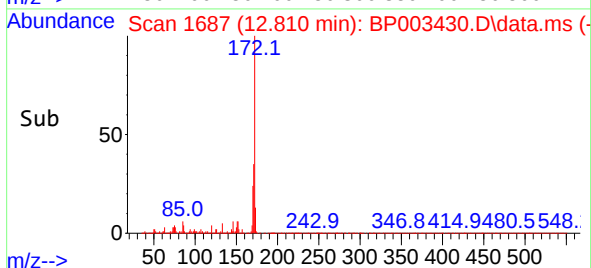
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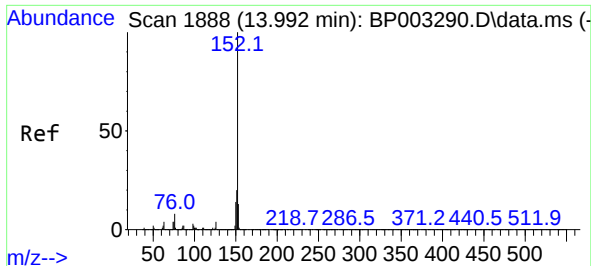


#45
2-Fluorobiphenyl
Concen: 59.87 ng
RT: 12.810 min Scan# 1687
Delta R.T. 0.006 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35



Tgt Ion:172 Resp: 1192655
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 23.6 19.2 28.8





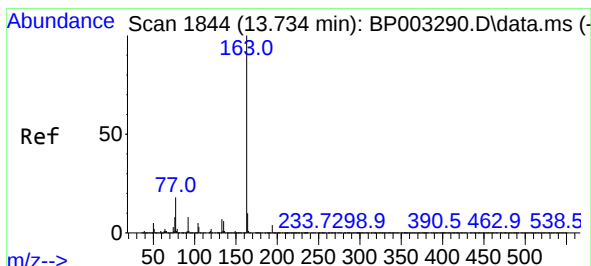
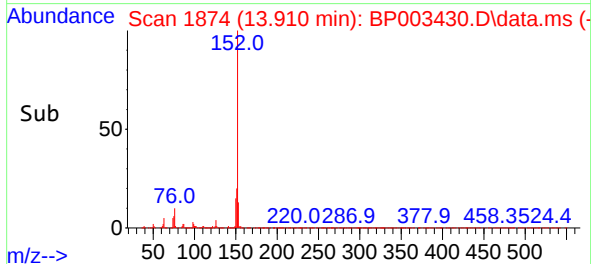
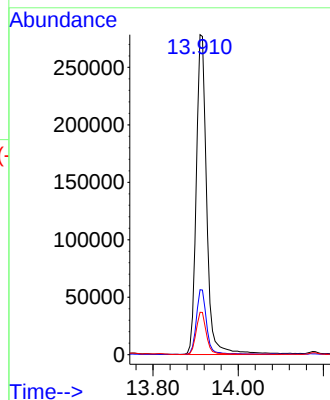
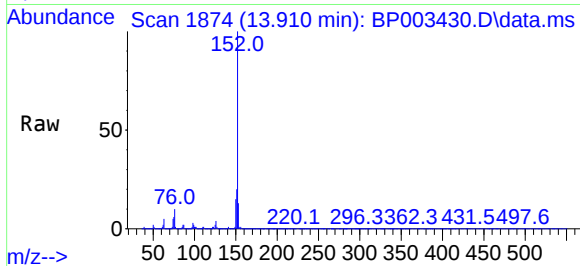
#49
Acenaphthylene
Concen: 17.20 ng
RT: 13.910 min Scan# 1874
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:152 Resp: 472970
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 13.2 10.5 15.7

Instrument :
BNA_P
ClientSampleId :
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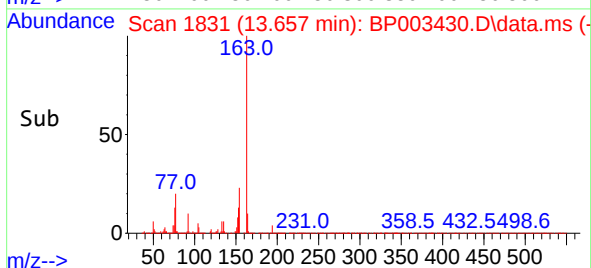
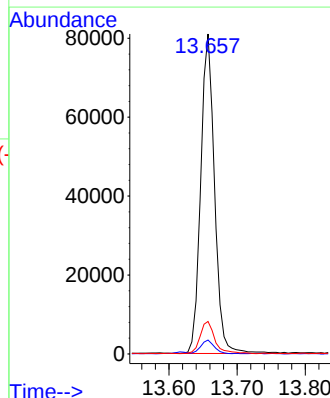
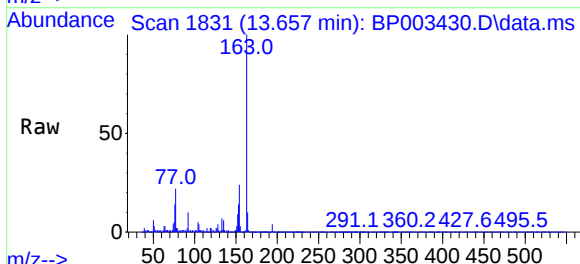
Manual Integrations
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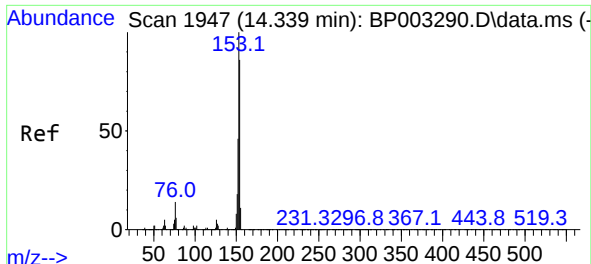
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#50
Dimethylphthalate
Concen: 4.91 ng
RT: 13.657 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:163 Resp: 114278
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.1 8.2 12.2





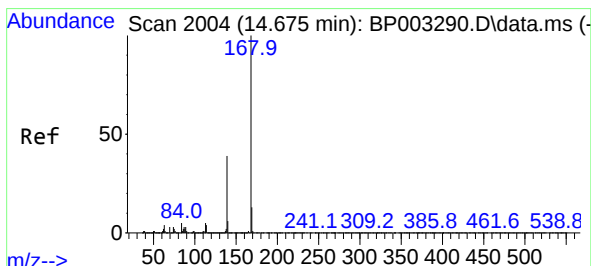
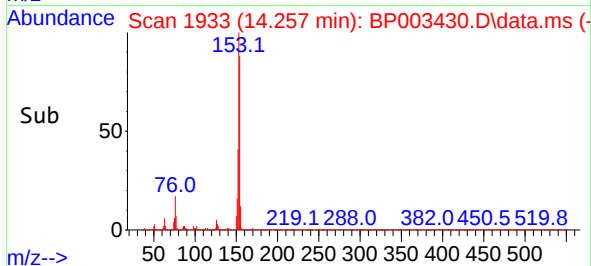
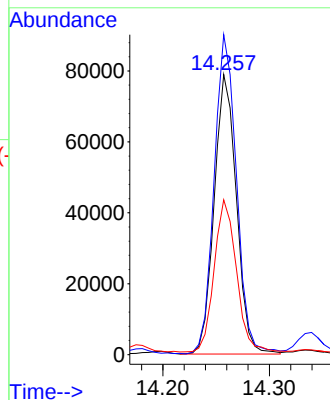
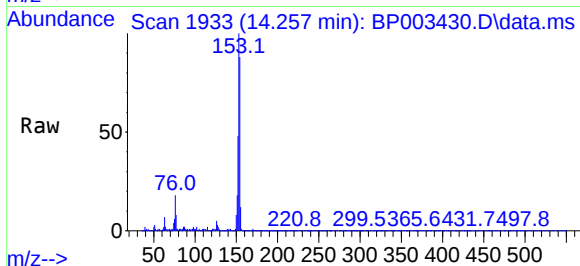
#52
Acenaphthene
Concen: 6.83 ng
RT: 14.257 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:	154	Resp:	114343
Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.0	136.6
152	55.3	43.0	64.6

Instrument :
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ClientSampleId :
B-12(3-4)

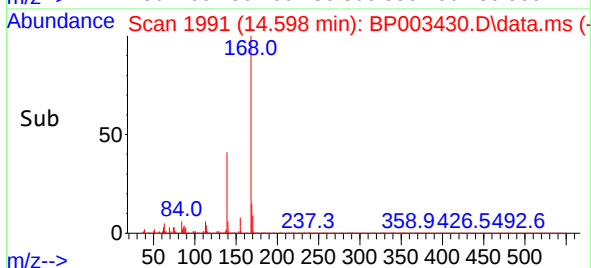
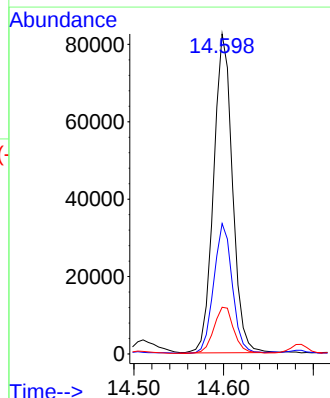
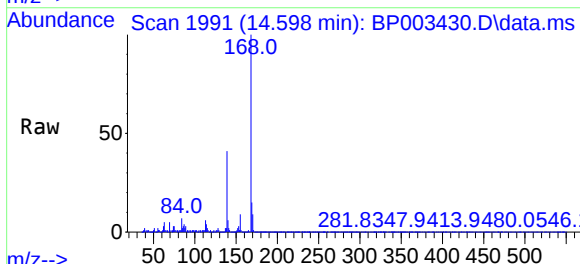
Manual Integrations
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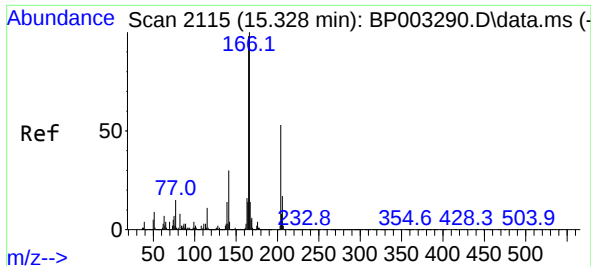
mohammad
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#55
Dibenzofuran
Concen: 4.51 ng
RT: 14.598 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

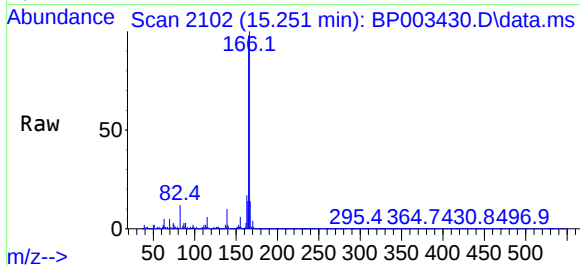
Tgt Ion:	168	Resp:	120414
Ion	Ratio	Lower	Upper
168	100		
139	40.7	29.1	43.7
169	14.6	10.4	15.6





#58
Fluorene
Concen: 9.91 ng
RT: 15.251 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

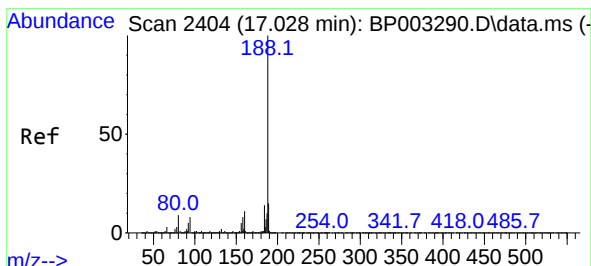
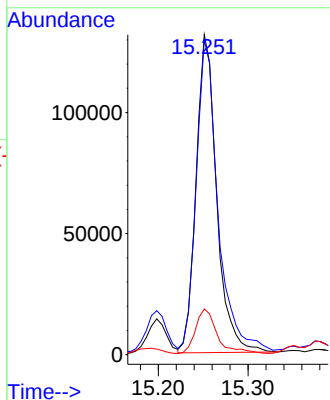
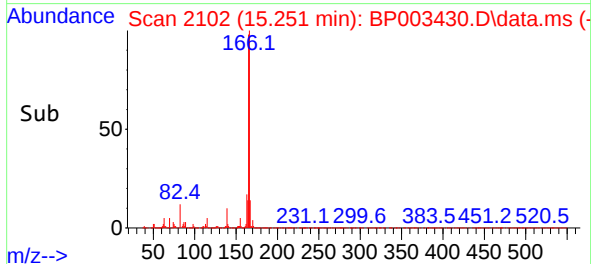
Instrument :
BNA_P
ClientSampleId :
B-12(3-4)



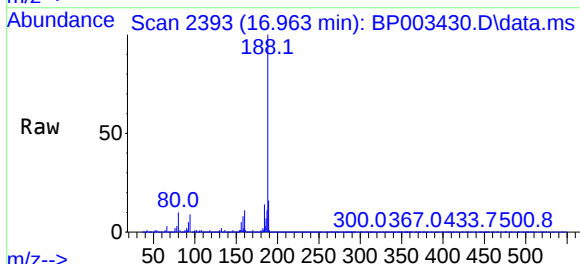
Tgt Ion:166 Resp: 208958
Ion Ratio Lower Upper
166 100
165 98.4 77.8 116.8
167 14.3 11.0 16.4

Manual Integrations
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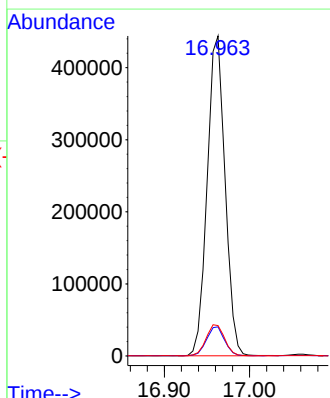
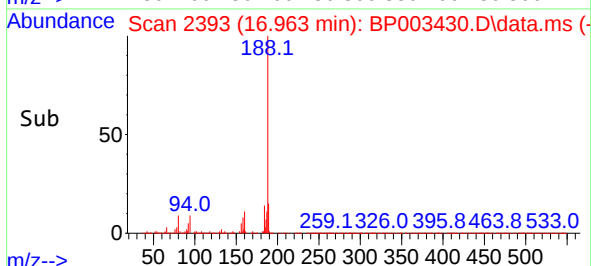
mohammad
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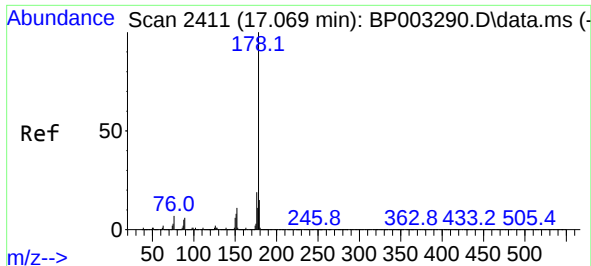


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.963 min Scan# 2393
Delta R.T. 0.018 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35



Tgt Ion:188 Resp: 647286
Ion Ratio Lower Upper
188 100
94 9.1 6.2 9.2
80 9.5 6.2 9.2#



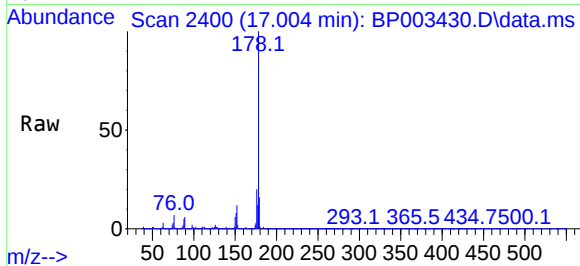


#71
Phenanthrene
Concen: 69.51 ng
RT: 17.004 min Scan# 2400
Delta R.T. 0.012 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

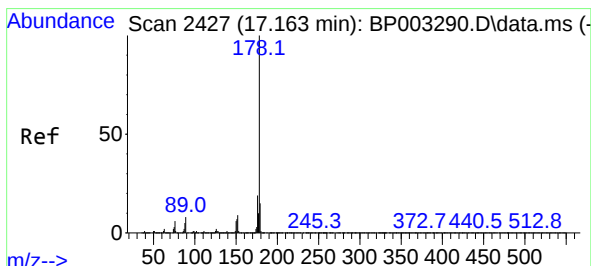
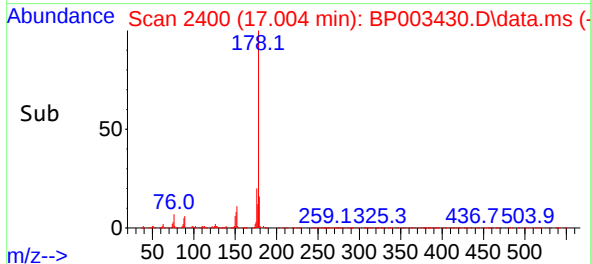
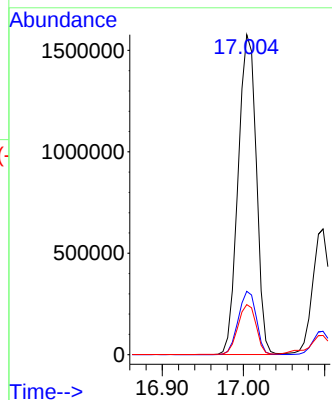
Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

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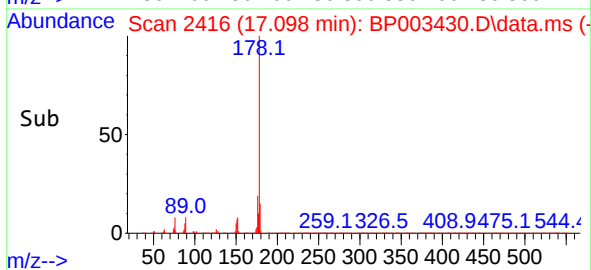
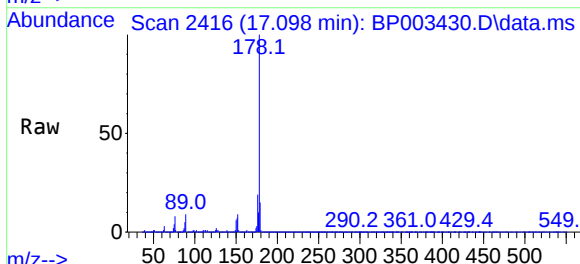
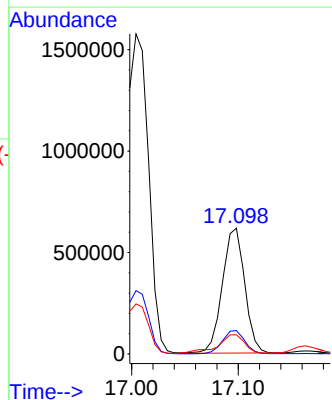


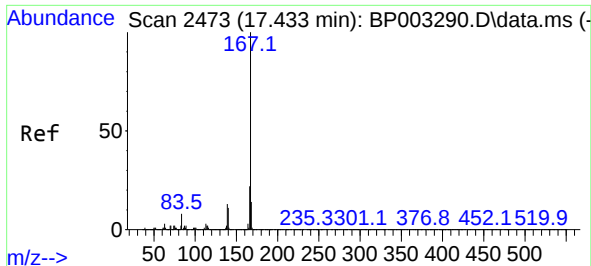
Tgt Ion:178 Resp: 2447888
Ion Ratio Lower Upper
178 100
176 19.8 15.3 22.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 25.93 ng
RT: 17.098 min Scan# 2416
Delta R.T. 0.018 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:178 Resp: 899870
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.3 12.5 18.7





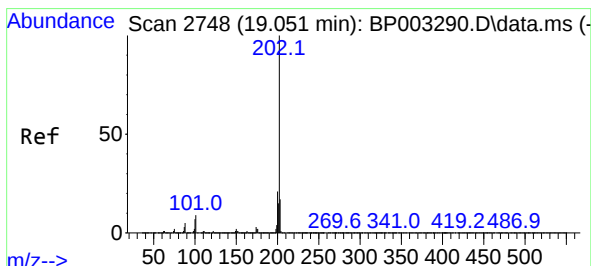
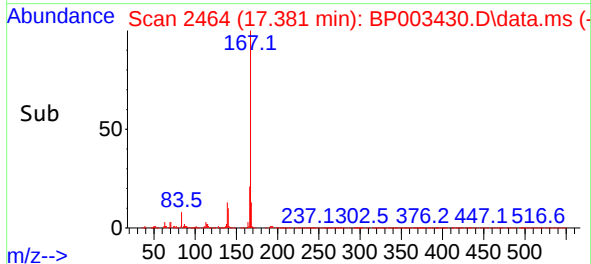
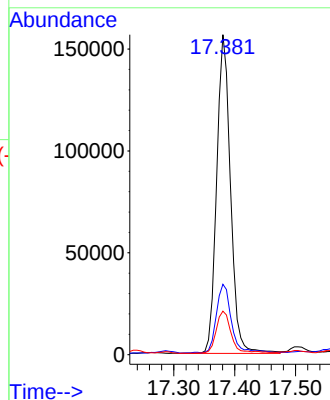
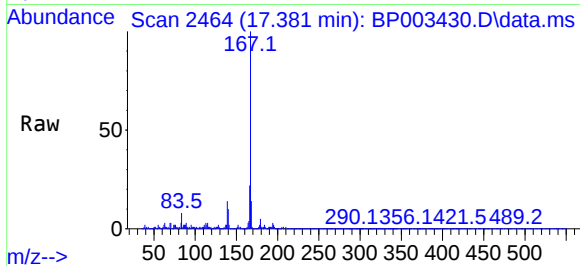
#73
 Carbazole
 Concen: 7.47 ng
 RT: 17.381 min Scan# 2464
 Delta R.T. 0.018 min
 Lab File: BP003430.D
 Acq: 01 Oct 2020 00:35

Tgt Ion:	167	Resp:	246427
Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	13.6	10.2	15.4

Instrument :
 BNA_P
 ClientSampled :
 B-12(3-4)

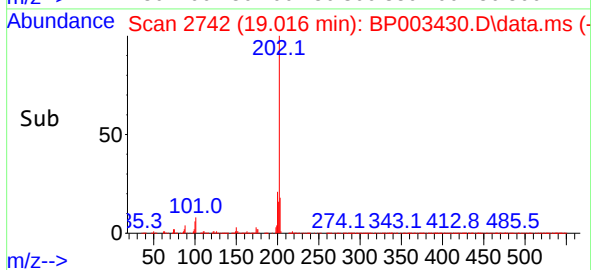
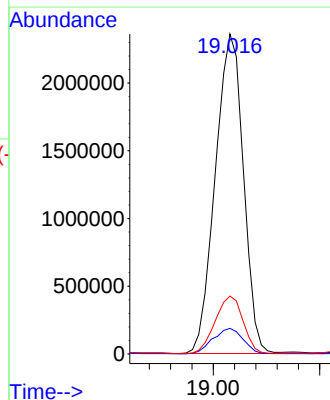
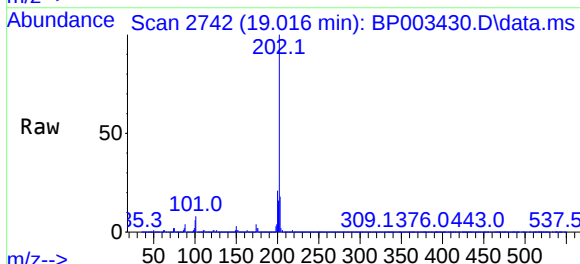
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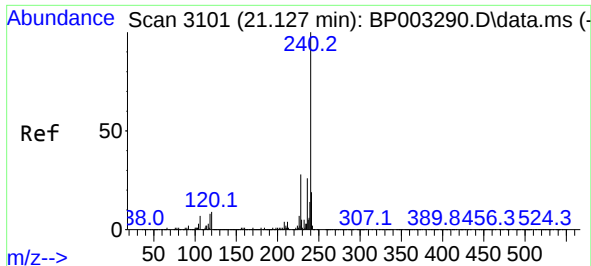
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#75
 Fluoranthene
 Concen: 97.55 ng
 RT: 19.016 min Scan# 2742
 Delta R.T. 0.035 min
 Lab File: BP003430.D
 Acq: 01 Oct 2020 00:35

Tgt Ion:	202	Resp:	4319597
Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	29.4
203	18.1	0.0	37.8





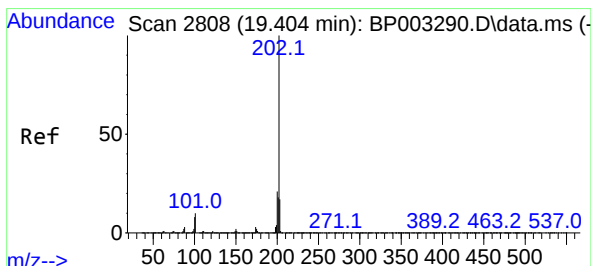
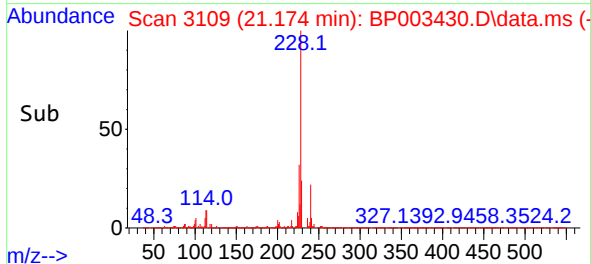
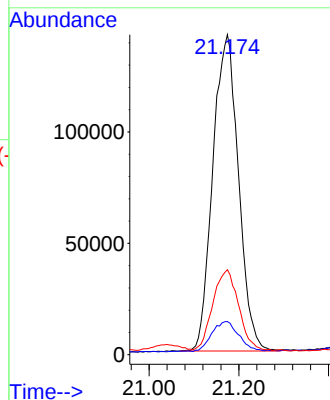
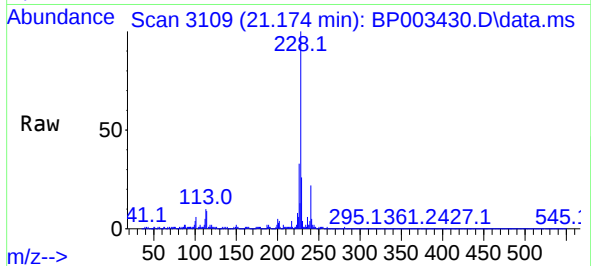
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.174 min Scan# 3109
Delta R.T. 0.112 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:240 Resp: 563323
Ion Ratio Lower Upper
240 100
120 10.3 7.8 11.6
236 26.5 20.8 31.2

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

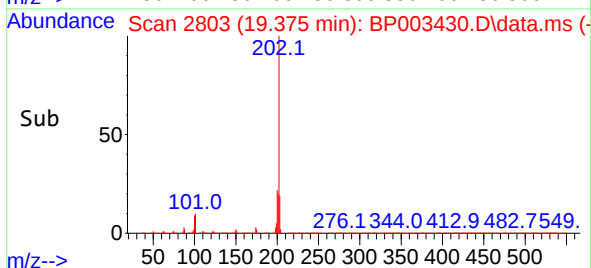
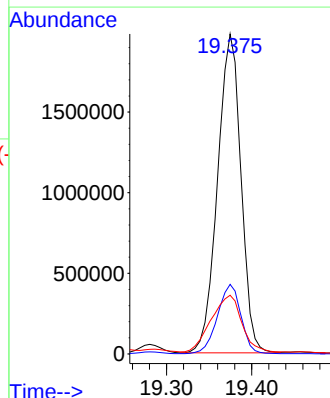
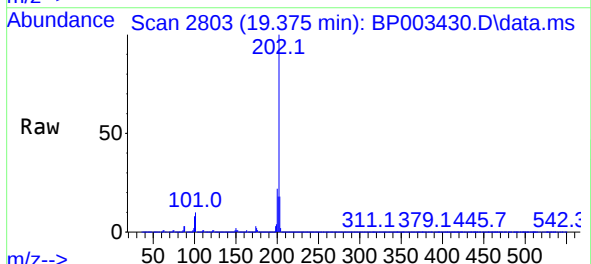
Manual Integrations
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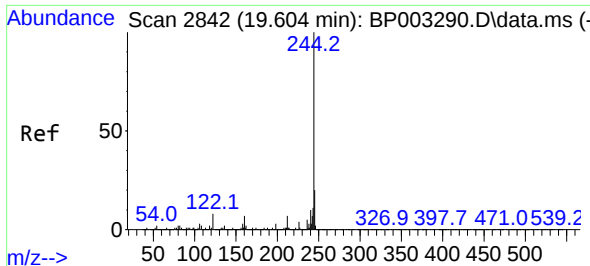
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#78
Pyrene
Concen: 107.71 ng
RT: 19.375 min Scan# 2803
Delta R.T. 0.041 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:202 Resp: 3783858
Ion Ratio Lower Upper
202 100
200 21.8 17.1 25.7
203 18.4 14.2 21.2



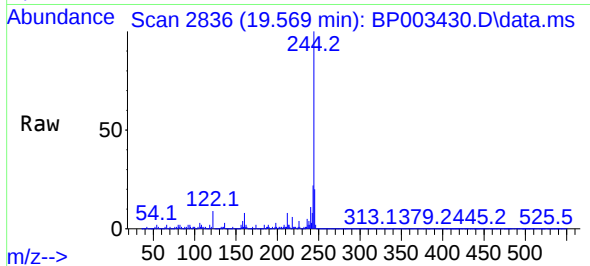


#79
Terphenyl-d14
Concen: 62.31 ng
RT: 19.569 min Scan# 2836
Delta R.T. 0.035 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

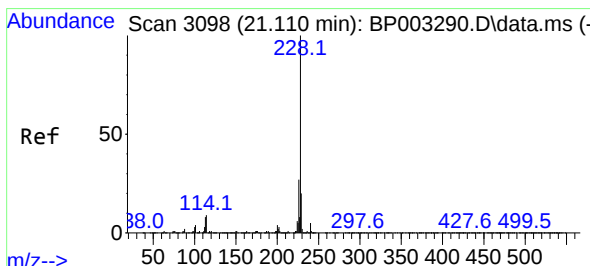
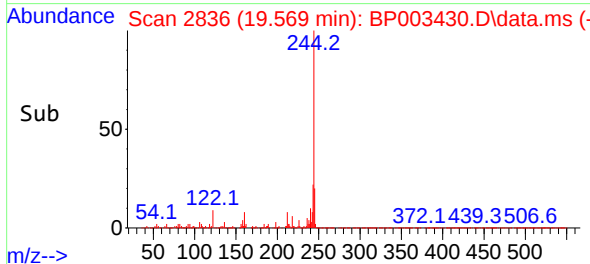
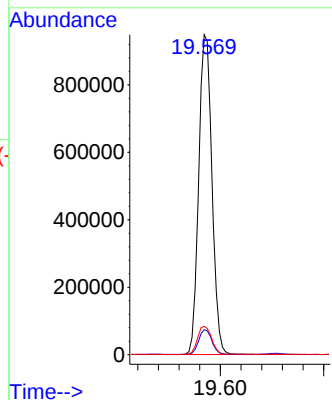
Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

Manual Integrations
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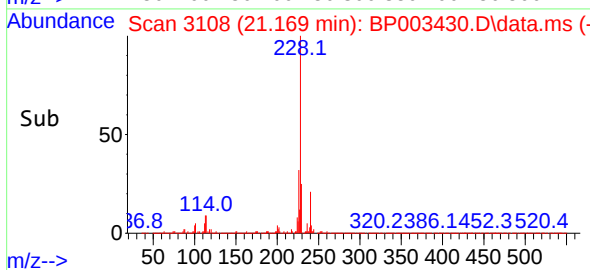
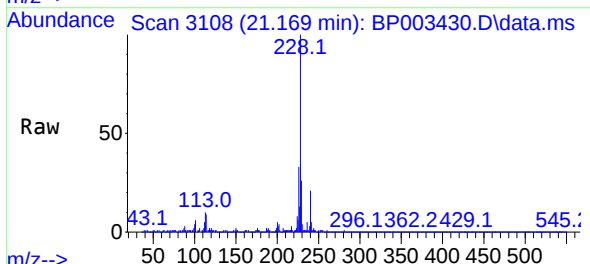
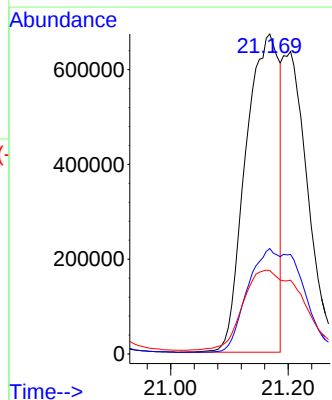


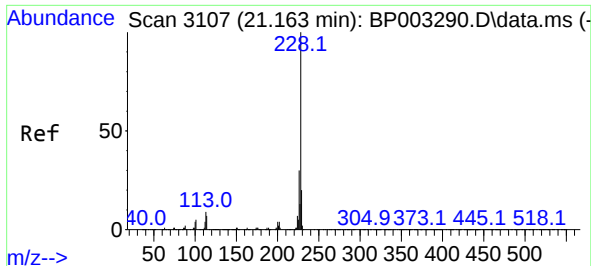
Tgt Ion:244 Resp: 1684769
Ion Ratio Lower Upper
244 100
212 7.8 5.8 8.6
122 8.8 7.8 11.8



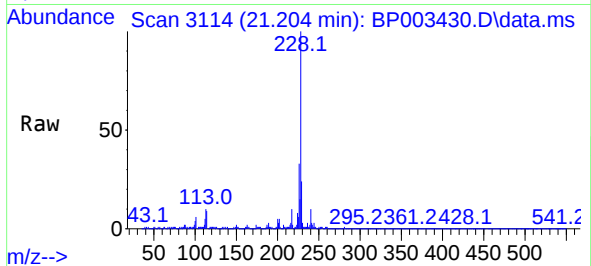
#81
Benzo(a)anthracene
Concen: 72.77 ng
RT: 21.169 min Scan# 3108
Delta R.T. 0.123 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion:228 Resp: 2649803
Ion Ratio Lower Upper
228 100
226 33.0 22.1 33.1
229 26.0 15.9 23.9#

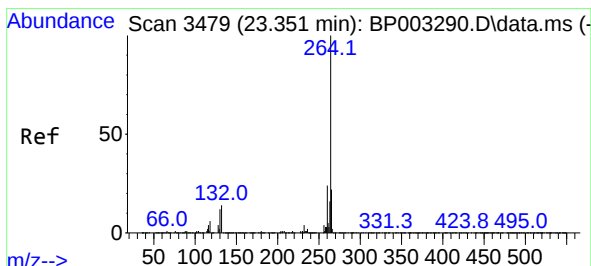
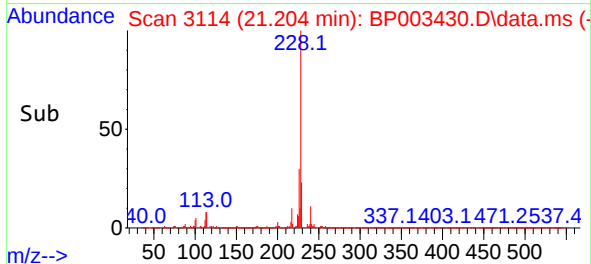
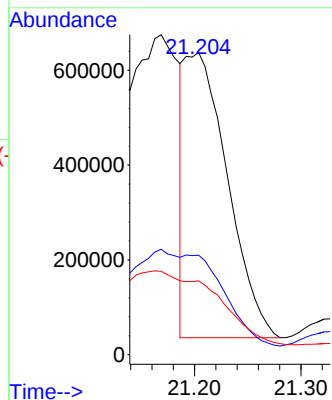




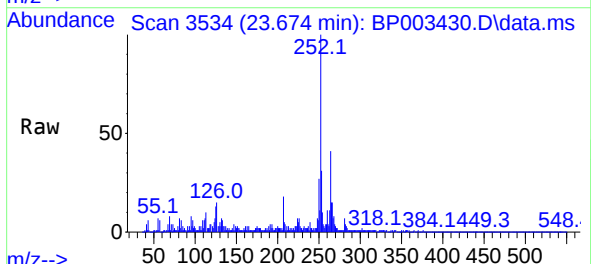
#83
Chrysene
Concen: 47.77 ng m
RT: 21.204 min Scan# 3114
Delta R.T. 0.106 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35



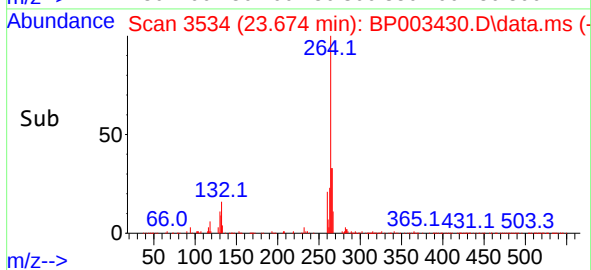
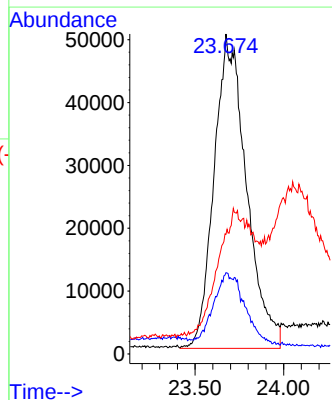
Tgt Ion:228 Resp: 1671371
Ion Ratio Lower Upper
228 100
226 32.9 24.4 36.6
229 24.4 15.8 23.6#



#86
Perylene-d12
Concen: 20.00 ng m
RT: 23.674 min Scan# 3534
Delta R.T. 0.418 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35



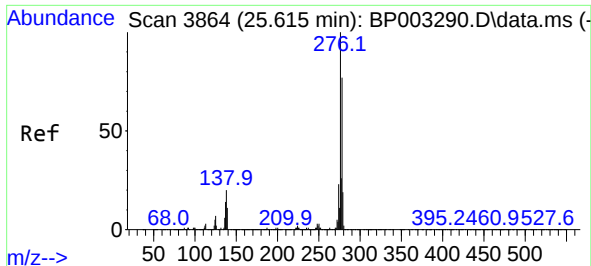
Tgt Ion:264 Resp: 635112
Ion Ratio Lower Upper
264 100
260 25.4 18.8 28.2
265 37.4 17.4 26.2#



Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

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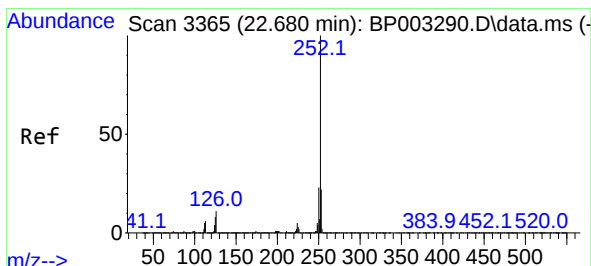
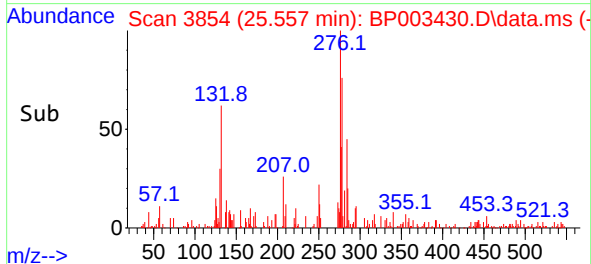
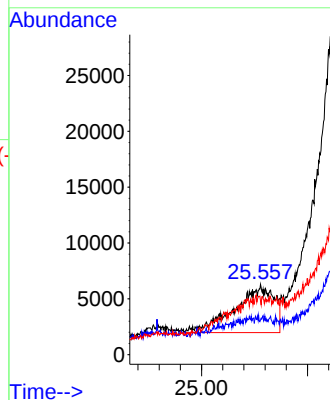
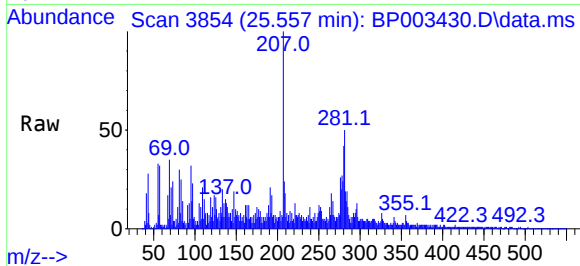
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.29 ng m
RT: 25.557 min Scan# 3854
Delta R.T. 0.059 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Tgt Ion: 276 Resp: 110145
Ion Ratio Lower Upper
276 100
138 0.0 18.7 28.1#
277 0.9 20.4 30.6#

Instrument :
BNA_P
ClientSampled :
B-12(3-4)

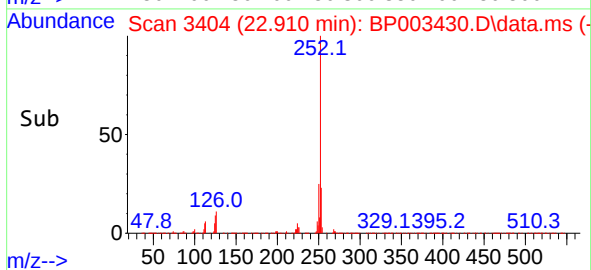
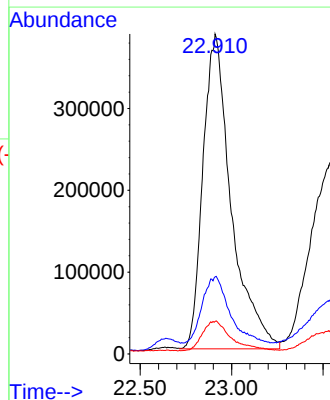
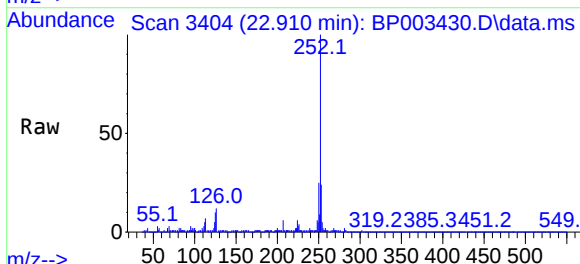
Manual Integrations
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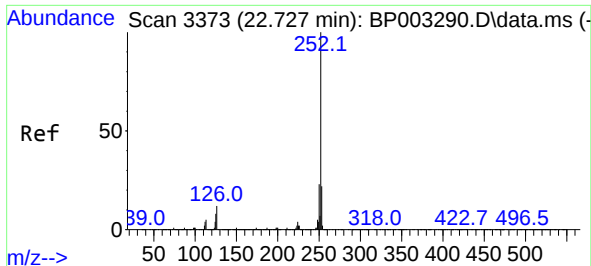
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#88
Benzo(b)fluoranthene
Concen: 102.98 ng m
RT: 22.910 min Scan# 3404
Delta R.T. 0.318 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

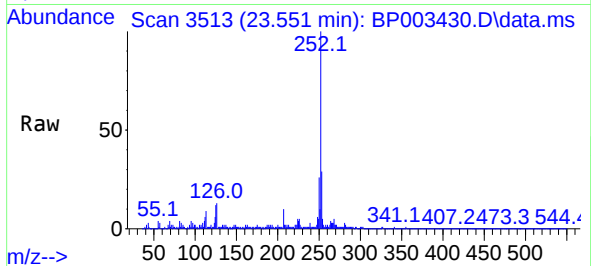
Tgt Ion: 252 Resp: 4130019
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 10.1 7.3 10.9





#89
Benzo(k)fluoranthene
Concen: 103.64 ng m
RT: 23.551 min Scan# 3513
Delta R.T. 0.906 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

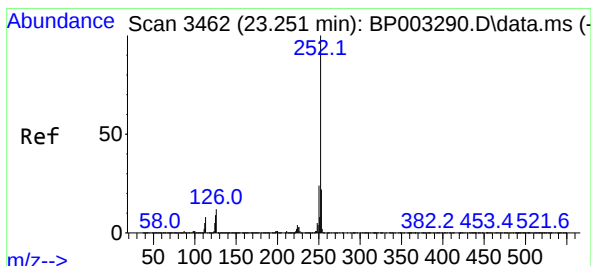
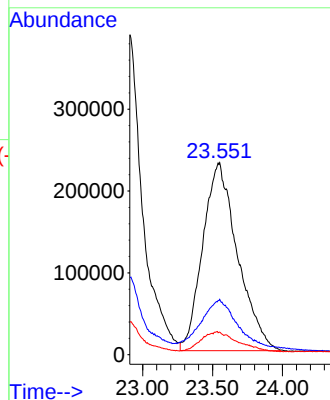
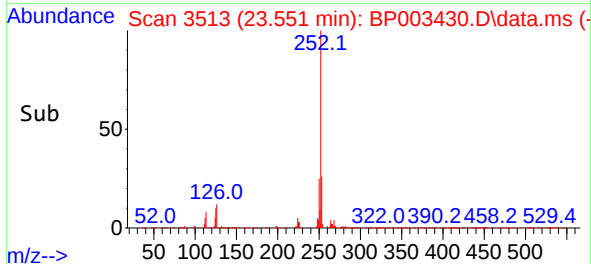
Instrument :
BNA_P
ClientSampled :
B-12(3-4)



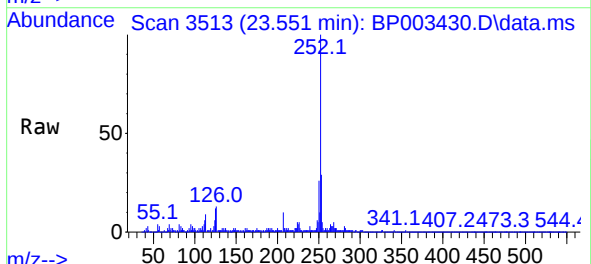
Tgt Ion:252 Resp: 3983828
Ion Ratio Lower Upper
252 100
253 28.8 17.8 26.8#
125 11.7 7.4 11.2#

Manual Integrations
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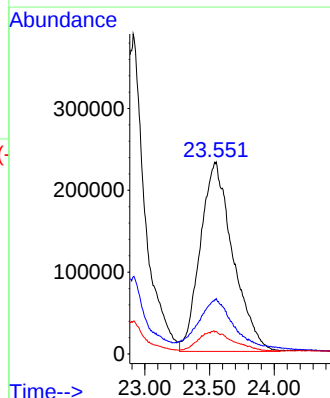
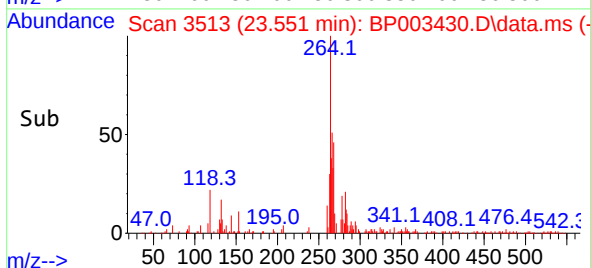
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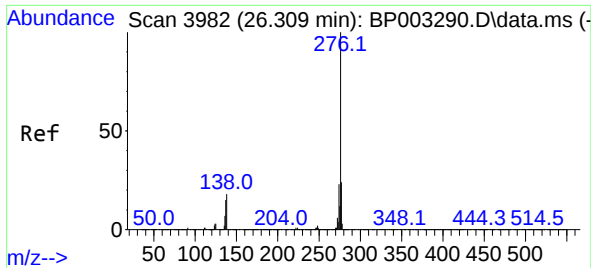


#90
Benzo(a)pyrene
Concen: 107.51 ng m
RT: 23.551 min Scan# 3513
Delta R.T. 0.388 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35



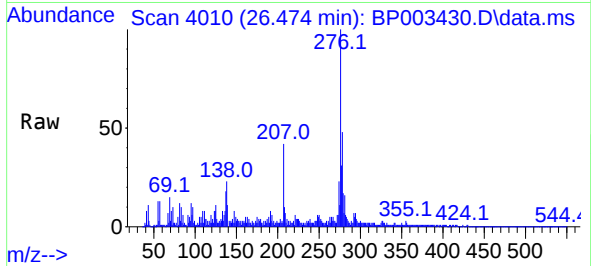
Tgt Ion:252 Resp: 4065978
Ion Ratio Lower Upper
252 100
253 28.8 17.4 26.0#
125 11.7 8.2 12.4





#92
Benzo(g,h,i)perylene
Concen: 44.38 ng m
RT: 26.474 min Scan# 4010
Delta R.T. 0.276 min
Lab File: BP003430.D
Acq: 01 Oct 2020 00:35

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)



Tgt Ion:276 Resp: 1760123
Ion Ratio Lower Upper
276 100
277 30.5 19.0 28.6#
138 22.7 16.6 24.8

Manual Integrations
APPROVED

mohammad
10/1/2020 1:33:59 PM

