

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
 Data File : BP003411.D
 Acq On : 29 Sep 2020 21:54
 Operator : CG/JU
 Sample : L4172-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-6(11-13)

Manual Integrations
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Quant Time: Sep 30 01:21:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 17:55:44 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	89523	20.00	ng	0.00
21) Naphthalene-d8	10.322	136	389167	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	247478	20.00	ng	-0.01
64) Phenanthrene-d10	16.957	188	558692	20.00	ng	# 0.00
76) Chrysene-d12	21.068	240	640462	20.00	ng	0.00
86) Perylene-d12	23.262	264	696593	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.158	112	463128	90.33	ng	0.00
7) Phenol-d6	6.752	99	621518	90.95	ng	0.00
23) Nitrobenzene-d5	8.693	82	412656	62.29	ng	-0.01
42) 2,4,6-Tribromophenol	15.704	330	256518	67.96	ng	0.00
45) 2-Fluorobiphenyl	12.816	172	828814	48.98	ng	0.00
79) Terphenyl-d14	19.539	244	1172577	38.15	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.369	128	364344	17.72	ng	99
37) 2-Methylnaphthalene	11.998	142	75561	5.07	ng	95
38) 1-Methylnaphthalene	12.222	142	45514	3.22	ng	98
49) Acenaphthylene	13.916	152	196655	8.42	ng	99
50) Dimethylphthalate	13.663	163	158256	8.01	ng	100
52) Acenaphthene	14.263	154	121305	8.54	ng	99
55) Dibenzofuran	14.604	168	182602	8.05	ng	96
58) Fluorene	15.257	166	226759	12.66	ng	98
71) Phenanthrene	17.004	178	2308015	75.93	ng	100
72) Anthracene	17.092	178	672101	22.44	ng	100
73) Carbazole	17.369	167	288347	10.13	ng	99
75) Fluoranthene	18.992	202	3323201	86.95	ng	98
78) Pyrene	19.345	202	2961138	74.14	ng	99
81) Benzo(a)anthracene	21.051	228	1892670	45.71	ng	98
83) Chrysene	21.104	228	1604443	40.34	ng	98
87) Indeno(1,2,3-cd)pyrene	25.492	276	983396	18.63	ng	96
88) Benzo(b)fluoranthene	22.610	252	2193230m	49.86	ng	
89) Benzo(k)fluoranthene	22.645	252	754551m	17.90	ng	
90) Benzo(a)pyrene	23.168	252	1597996	38.53	ng	97
91) Dibenzo(a,h)anthracene	25.480	278	270803m	6.22	ng	
92) Benzo(g,h,i)perylene	26.168	276	899162	20.67	ng	99

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

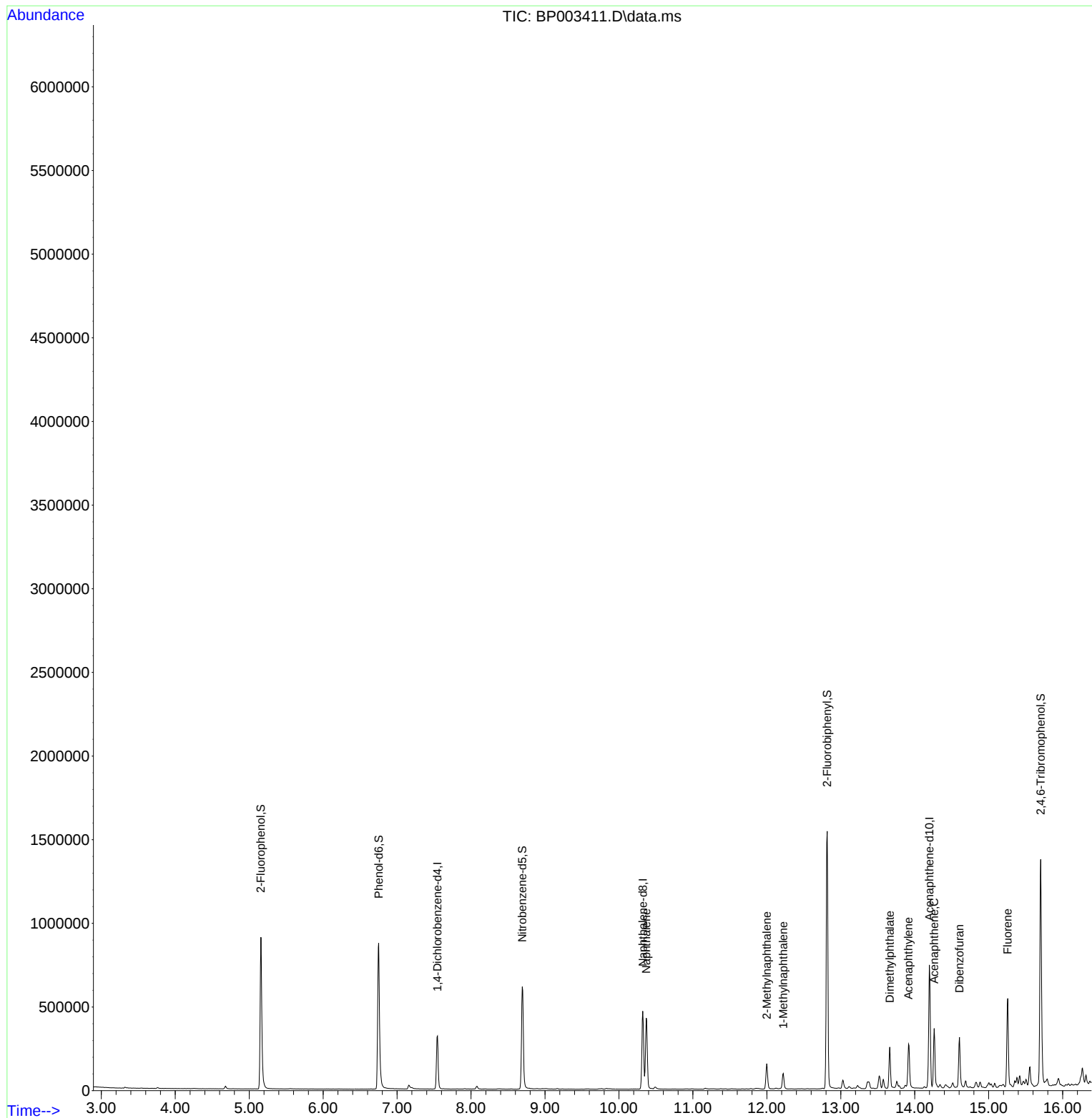
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
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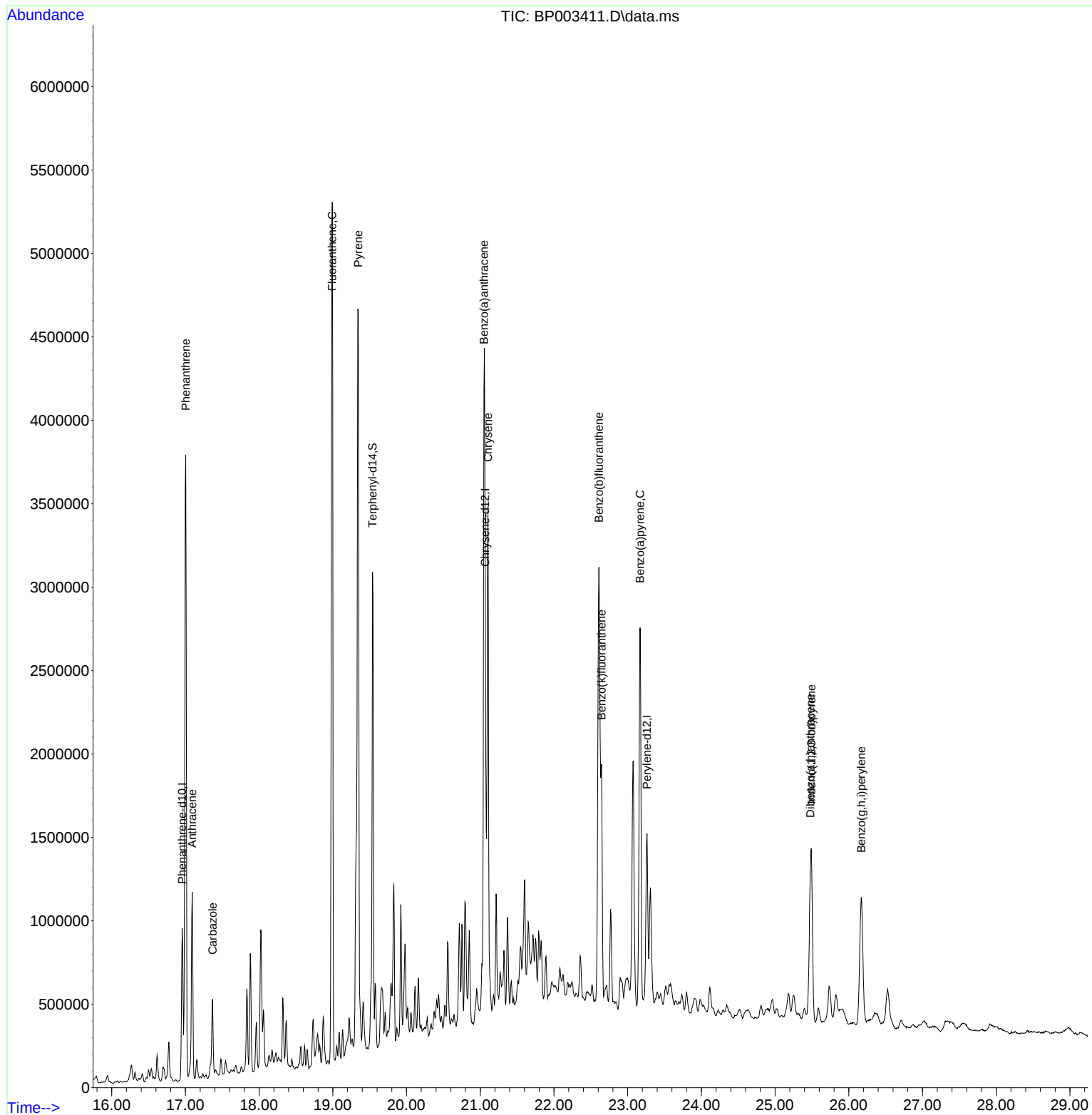
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Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
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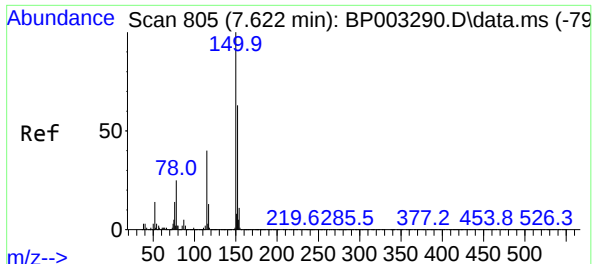
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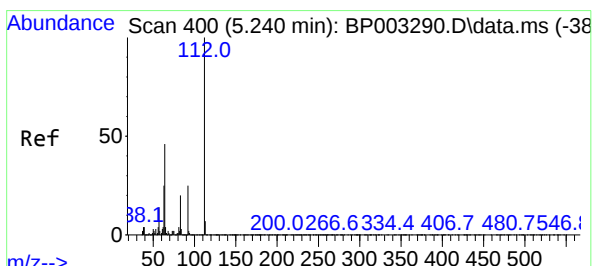
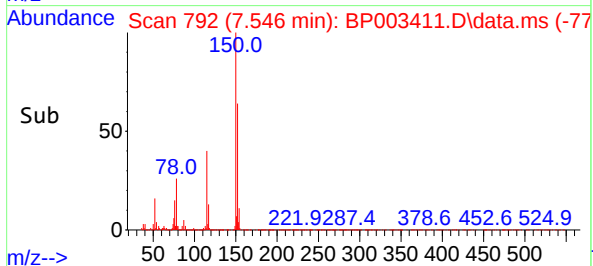
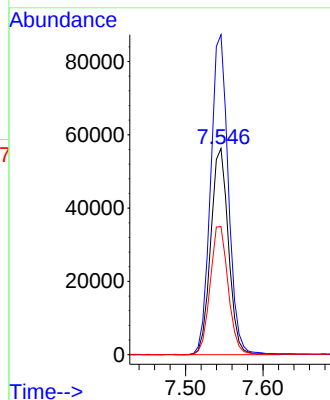
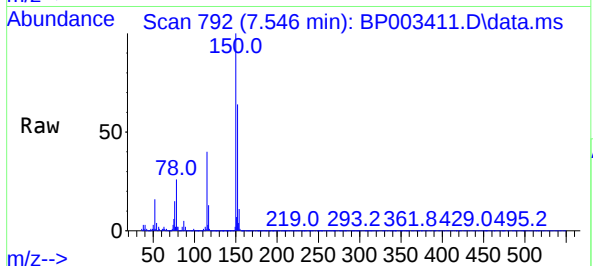
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1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.546 min Scan# 792
Delta R.T. -0.000 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

Tgt Ion:	152	Resp:	89523
Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.8	185.6
115	62.2	43.8	65.6

Instrument :
BNA_P
ClientSampleId :
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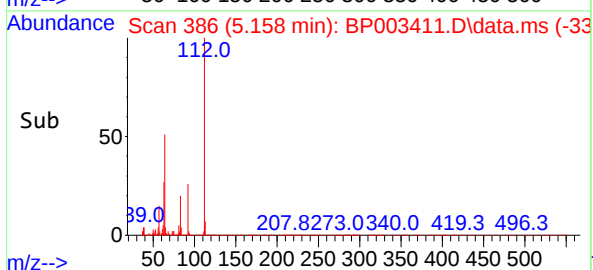
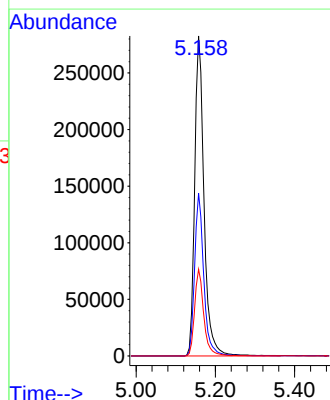
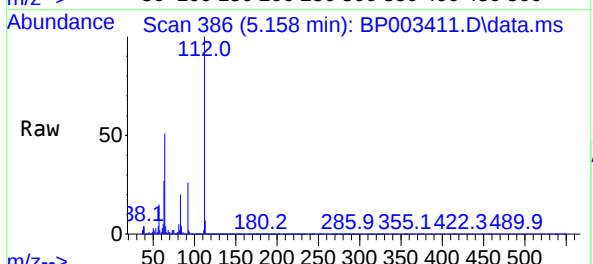
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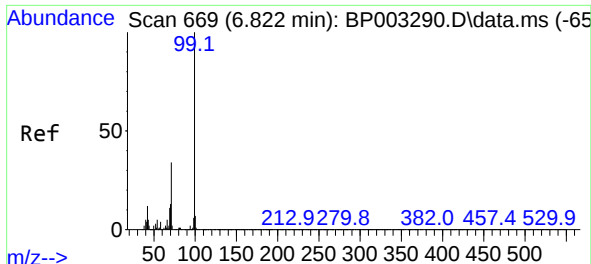
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#5
2-Fluorophenol
Concen: 90.33 ng
RT: 5.158 min Scan# 386
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

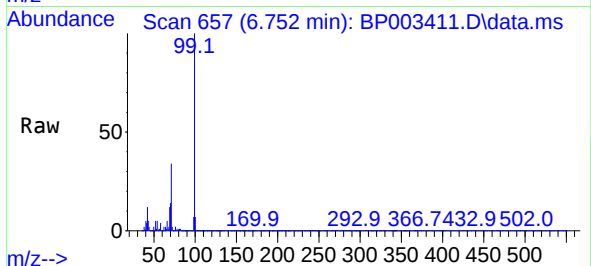
Tgt Ion:	112	Resp:	463128
Ion	Ratio	Lower	Upper
112	100		
64	50.8	32.8	49.2#
63	27.1	17.0	25.4#





#7
Phenol-d6
Concen: 90.95 ng
RT: 6.752 min Scan# 657
Delta R.T. 0.000 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

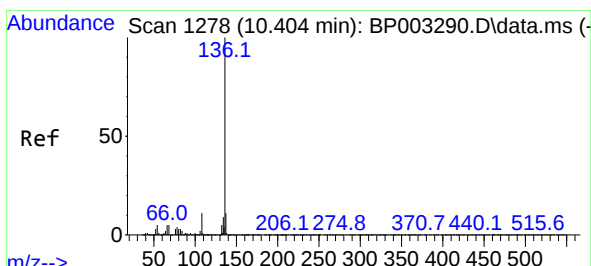
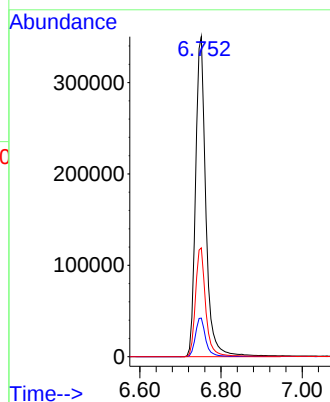
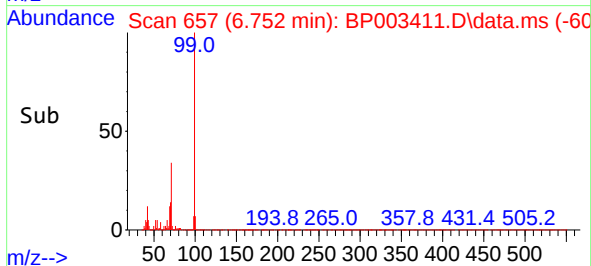
Instrument :
BNA_P
ClientSampleId :
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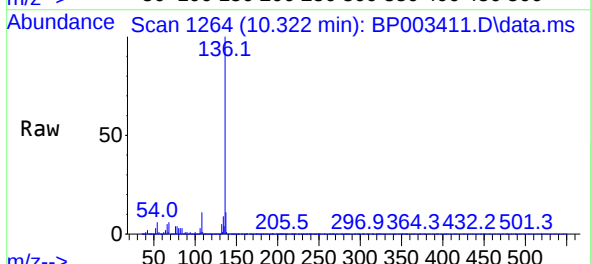
Tgt Ion: 99 Resp: 621518
Ion Ratio Lower Upper
99 100
42 12.1 8.6 13.0
71 34.0 23.4 35.2

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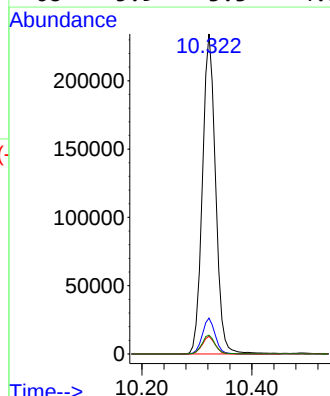
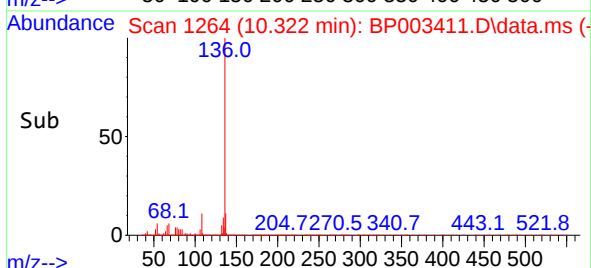
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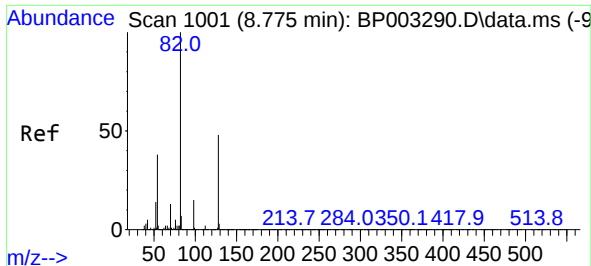


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.322 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54



Tgt Ion: 136 Resp: 389167
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 5.5 3.6 5.4#
68 5.9 3.3 4.9#





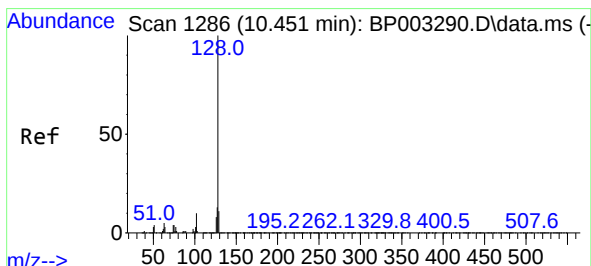
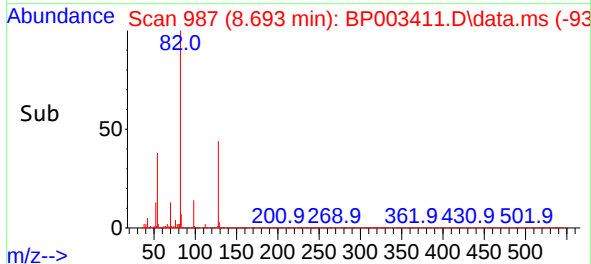
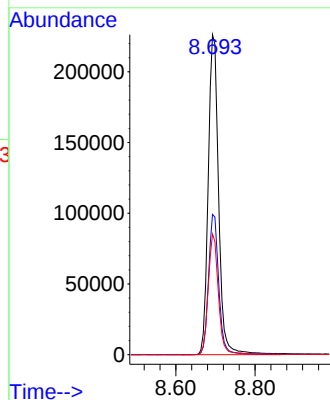
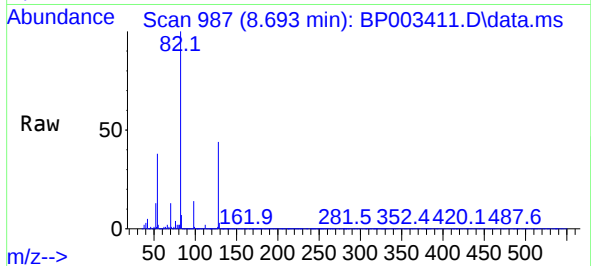
#23
Nitrobenzene-d5
Concen: 62.29 ng
RT: 8.693 min Scan# 987
Delta R.T. -0.012 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

Tgt Ion: 82 Resp: 412656
Ion Ratio Lower Upper
82 100
128 43.9 45.6 68.4#
54 37.7 30.1 45.1

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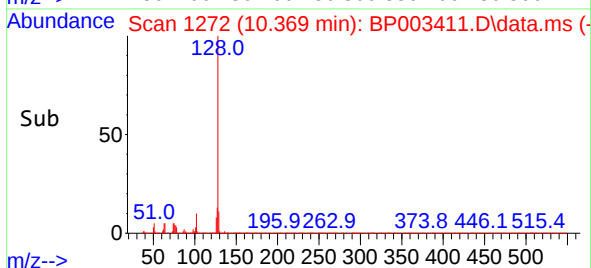
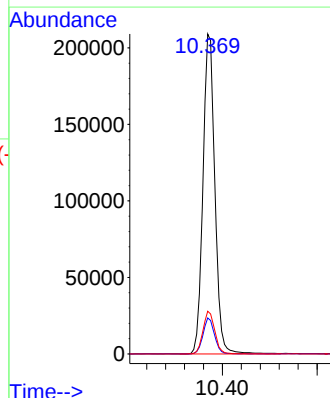
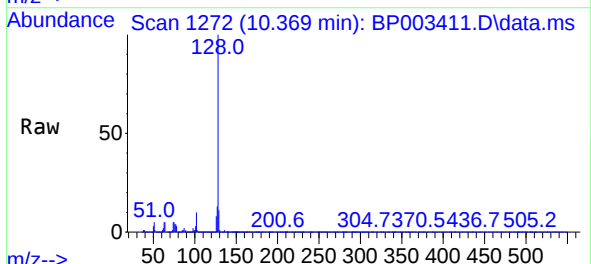
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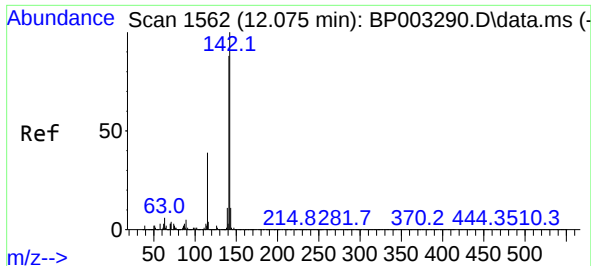
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#31
Naphthalene
Concen: 17.72 ng
RT: 10.369 min Scan# 1272
Delta R.T. -0.012 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

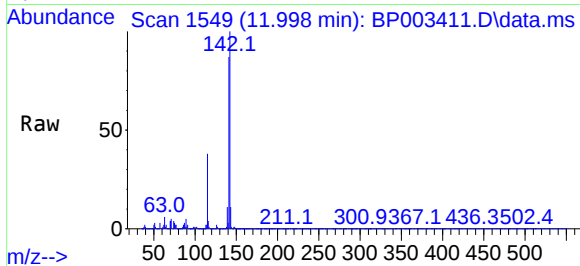
Tgt Ion: 128 Resp: 364344
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.3 10.6 15.8





#37
2-Methylnaphthalene
Concen: 5.07 ng
RT: 11.998 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

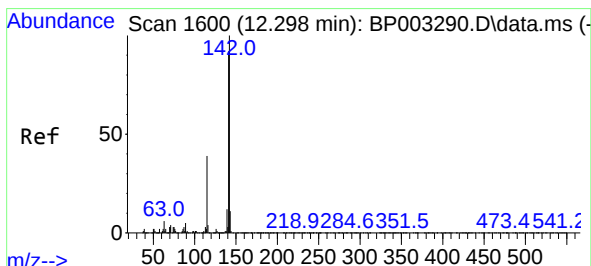
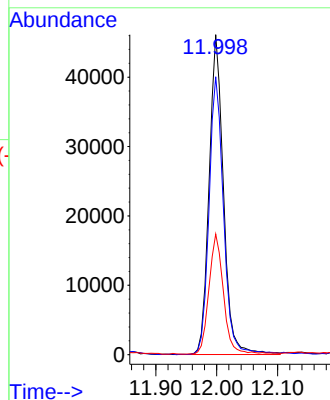
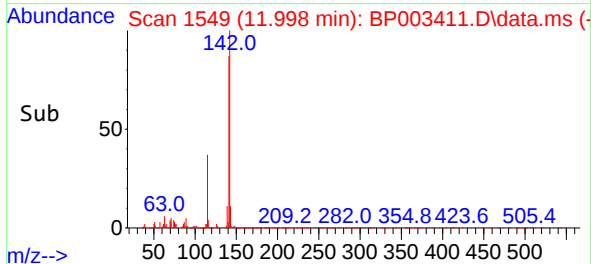
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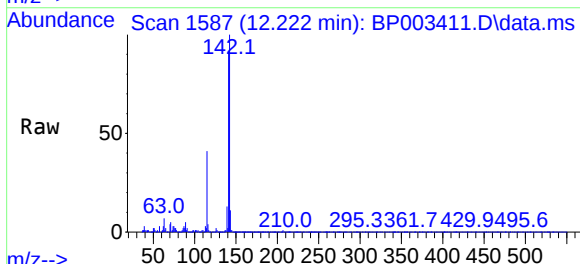
Tgt Ion:142 Resp: 75561
Ion Ratio Lower Upper
142 100
141 86.9 71.4 107.2
115 37.7 25.8 38.6

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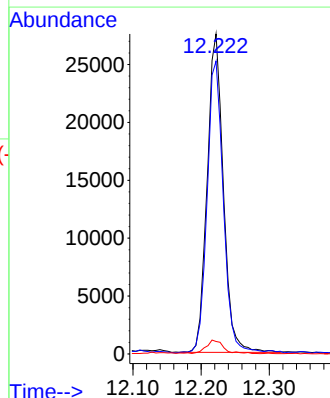
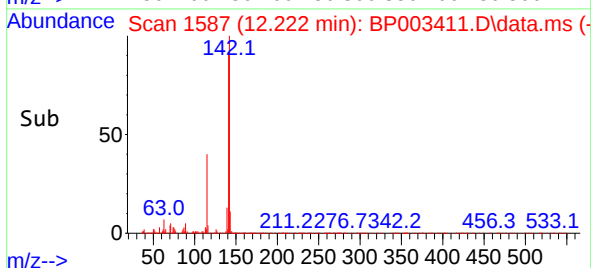
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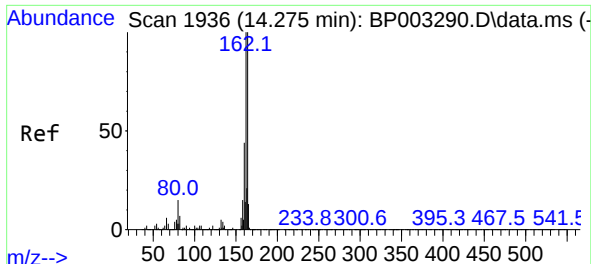


#38
1-Methylnaphthalene
Concen: 3.22 ng
RT: 12.222 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54



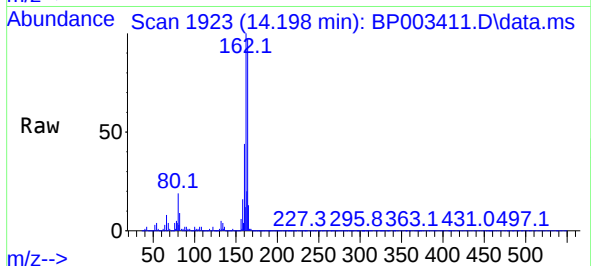
Tgt Ion:142 Resp: 45514
Ion Ratio Lower Upper
142 100
141 91.5 74.4 111.6
116 3.9 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

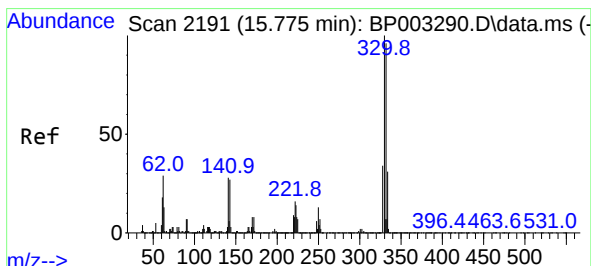
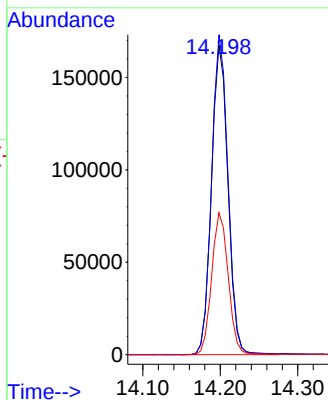
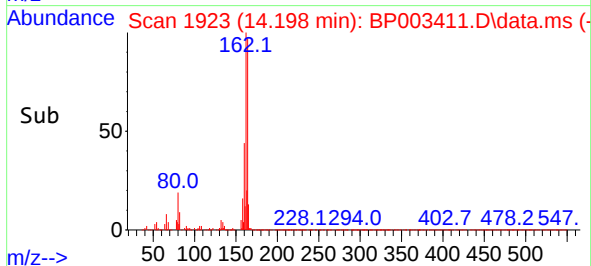
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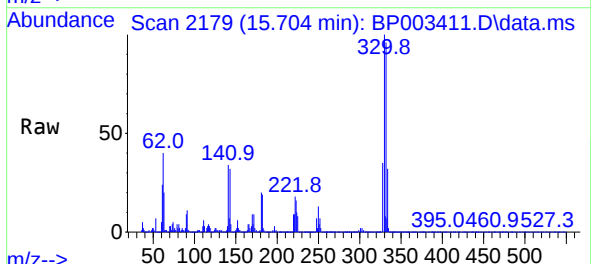
Tgt Ion:164 Resp: 247478
Ion Ratio Lower Upper
164 100
162 103.4 79.4 119.2
160 45.9 36.1 54.1

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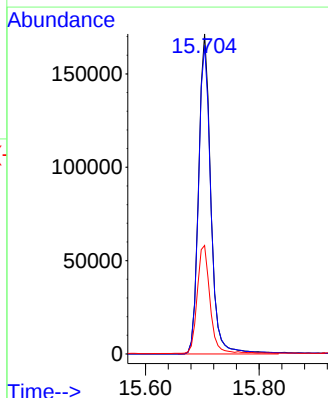
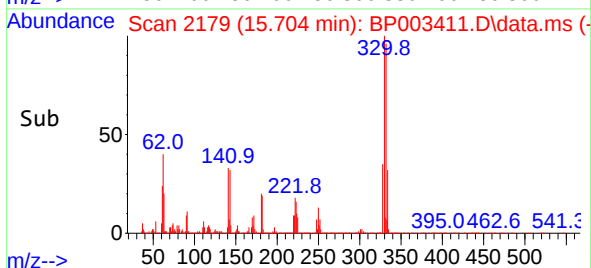
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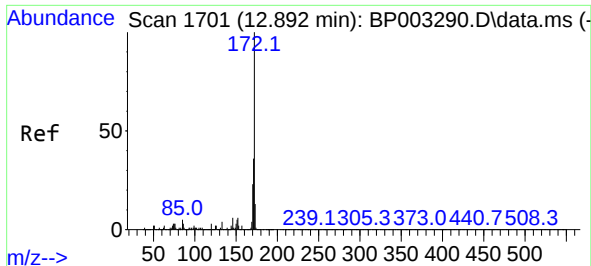


#42
2,4,6-Tribromophenol
Concen: 67.96 ng
RT: 15.704 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54



Tgt Ion:330 Resp: 256518
Ion Ratio Lower Upper
330 100
332 98.3 77.1 115.7
141 35.5 23.4 35.2#





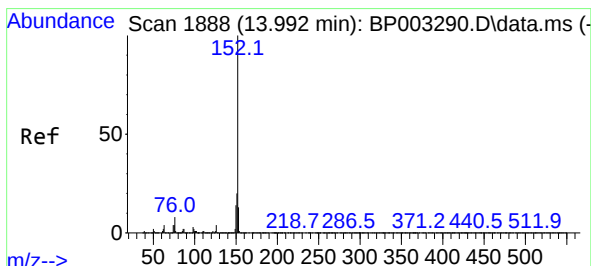
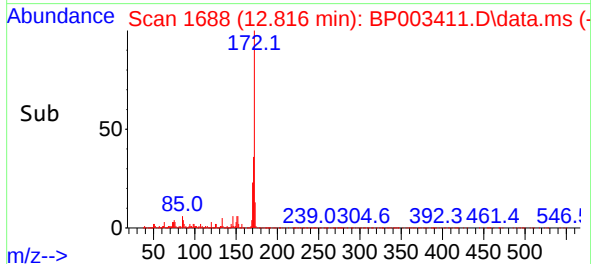
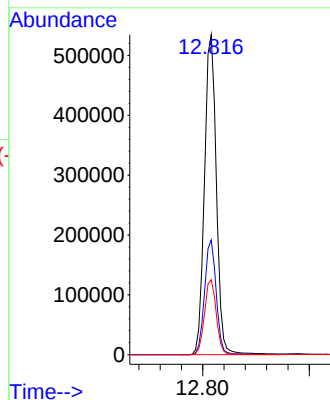
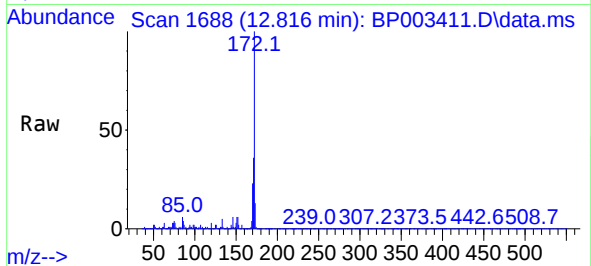
#45
2-Fluorobiphenyl
Concen: 48.98 ng
RT: 12.816 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

Tgt Ion:	172	Resp:	828814
Ion Ratio	Lower	Upper	
172	100		
171	35.9	28.5	42.7
170	23.5	19.2	28.8

Instrument :
BNA_P
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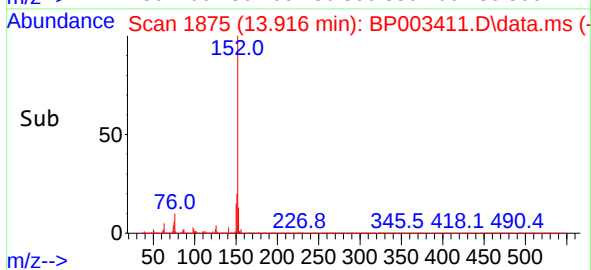
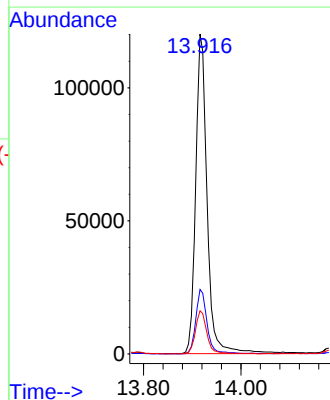
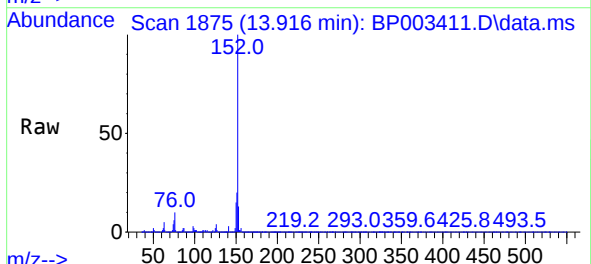
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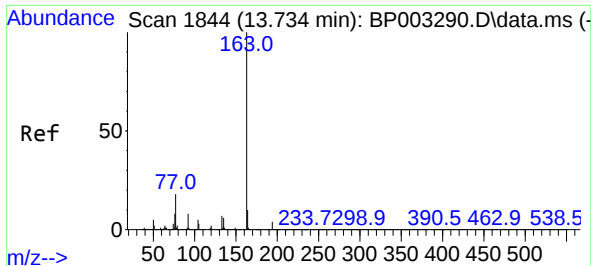
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#49
Acenaphthylene
Concen: 8.42 ng
RT: 13.916 min Scan# 1875
Delta R.T. -0.012 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

Tgt Ion:	152	Resp:	196655
Ion Ratio	Lower	Upper	
152	100		
151	20.2	15.9	23.9
153	13.5	10.5	15.7





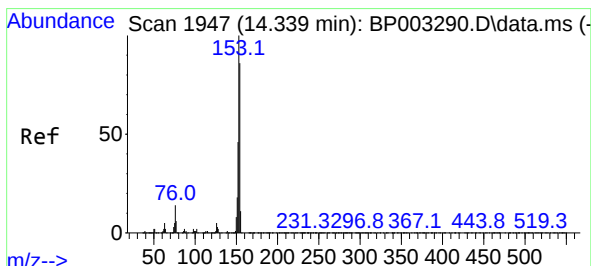
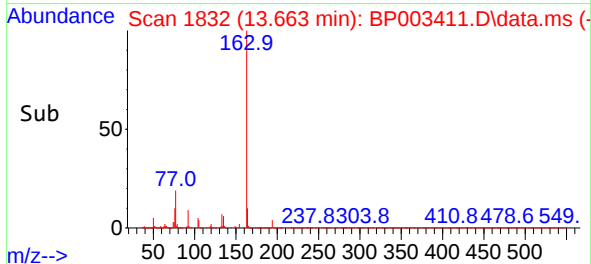
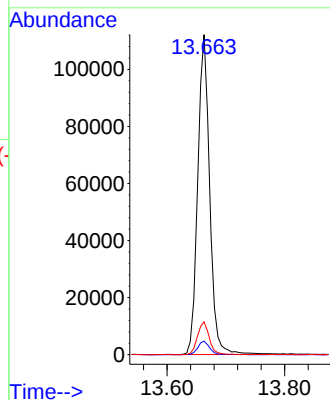
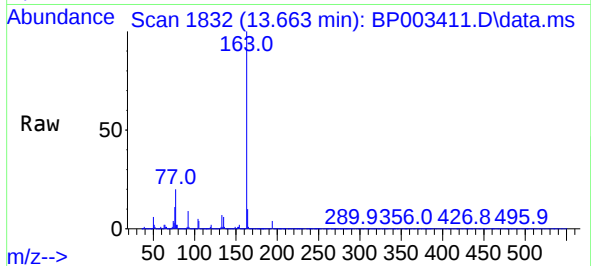
#50
Dimethylphthalate
Concen: 8.01 ng
RT: 13.663 min Scan# 1832
Delta R.T. -0.012 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

Tgt Ion:163 Resp: 158256
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.2 8.2 12.2

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)

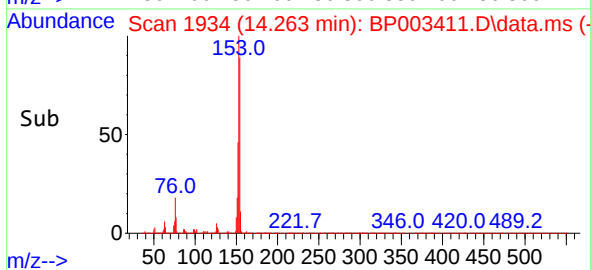
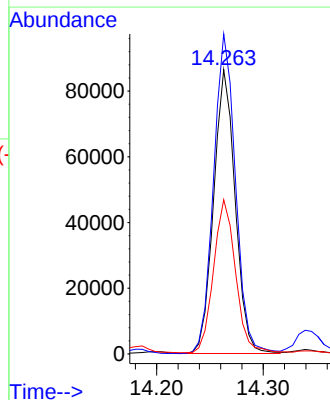
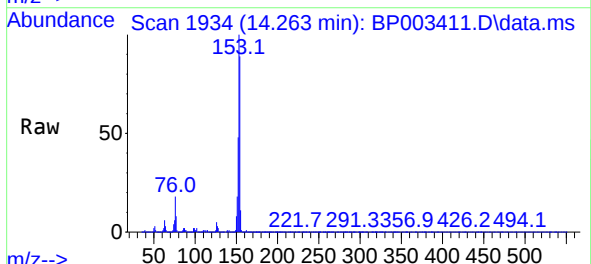
Manual Integrations
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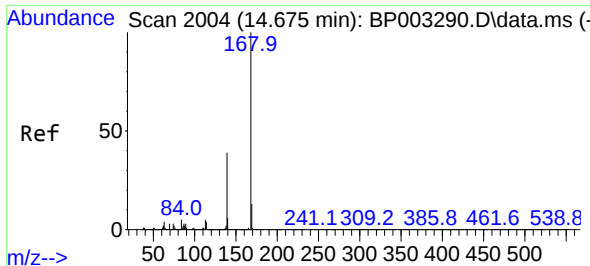
mohammad
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#52
Acenaphthene
Concen: 8.54 ng
RT: 14.263 min Scan# 1934
Delta R.T. -0.012 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

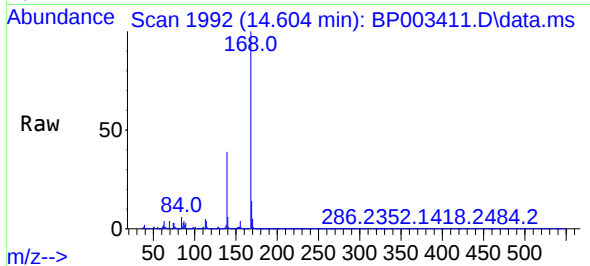
Tgt Ion:154 Resp: 121305
Ion Ratio Lower Upper
154 100
153 112.5 91.0 136.6
152 54.3 43.0 64.6





#55
Dibenzofuran
Concen: 8.05 ng
RT: 14.604 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

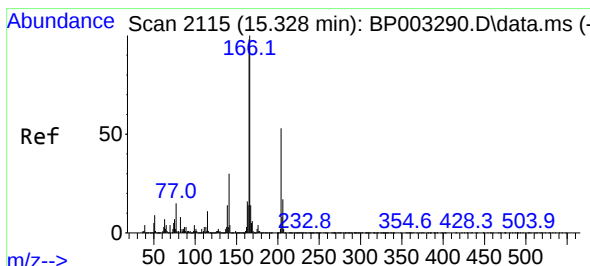
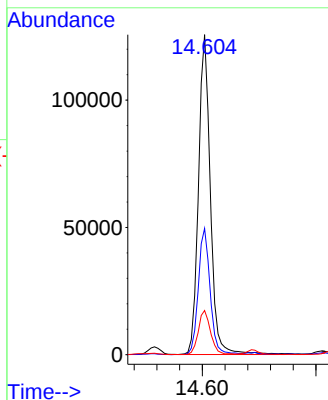
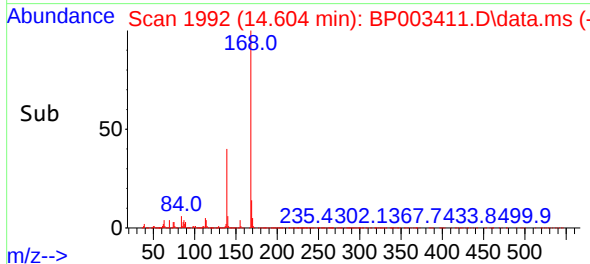
Instrument :
BNA_P
ClientSampleId :
B-6(11-13)



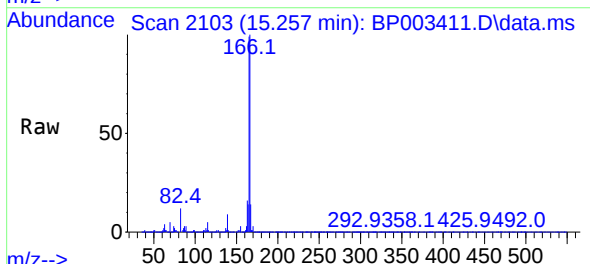
Tgt Ion:168 Resp: 182602
Ion Ratio Lower Upper
168 100
139 39.4 29.1 43.7
169 13.8 10.4 15.6

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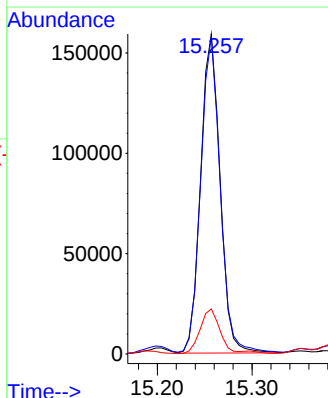
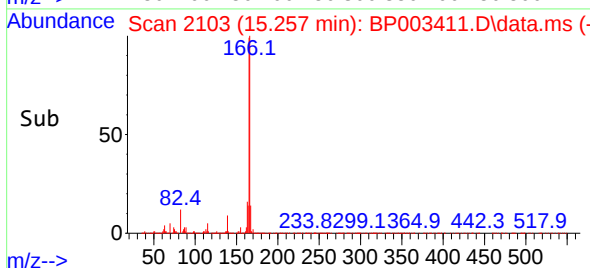
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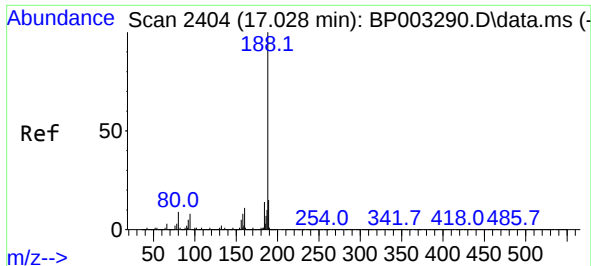


#58
Fluorene
Concen: 12.66 ng
RT: 15.257 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54



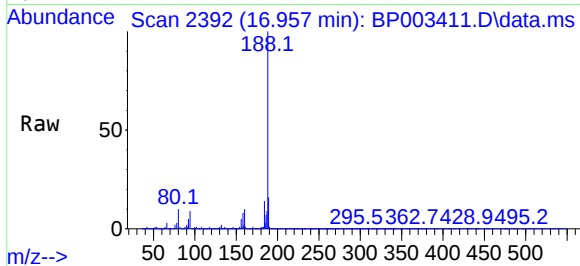
Tgt Ion:166 Resp: 226759
Ion Ratio Lower Upper
166 100
165 99.2 77.8 116.8
167 14.1 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.957 min Scan# 2392
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

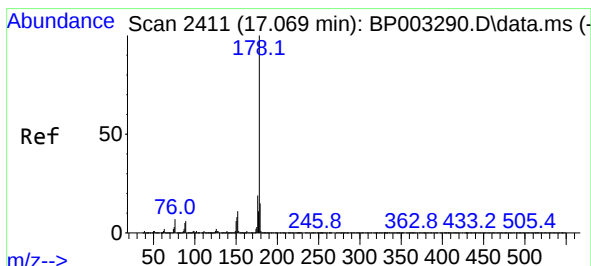
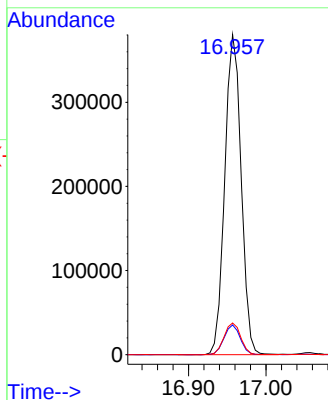
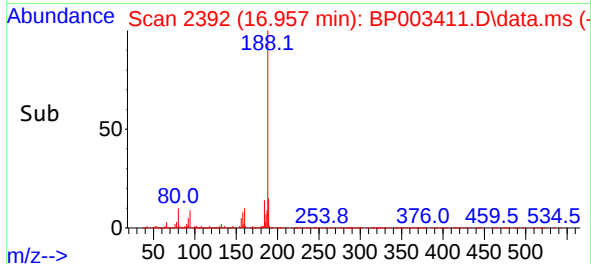
Instrument :
BNA_P
ClientSampleId :
B-6(11-13)



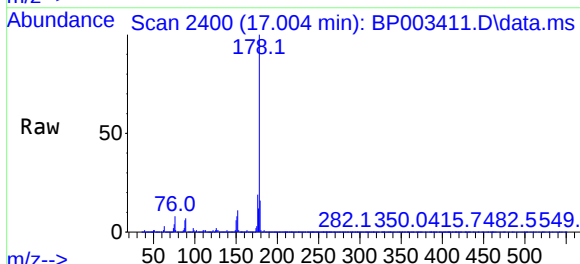
Tgt Ion:188 Resp: 558692
Ion Ratio Lower Upper
188 100
94 9.3 6.2 9.2#
80 9.9 6.2 9.2#

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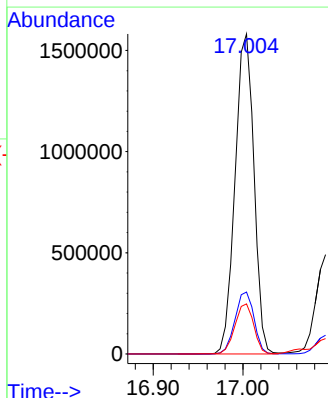
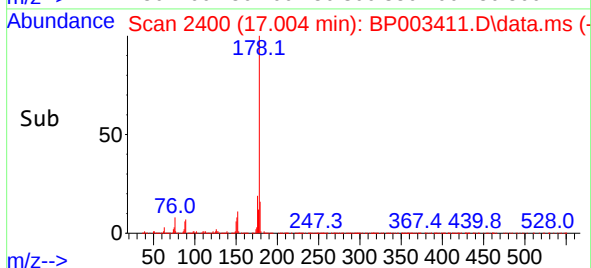
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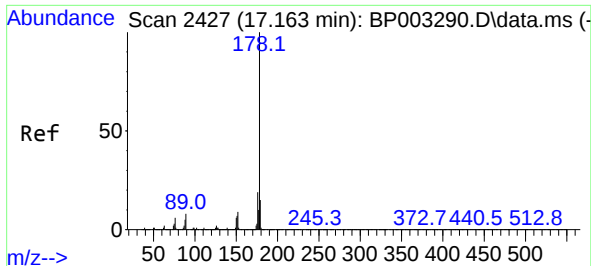


#71
Phenanthrene
Concen: 75.93 ng
RT: 17.004 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54



Tgt Ion:178 Resp: 2308015
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.6 12.5 18.7





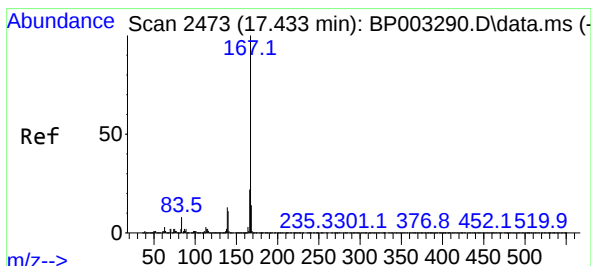
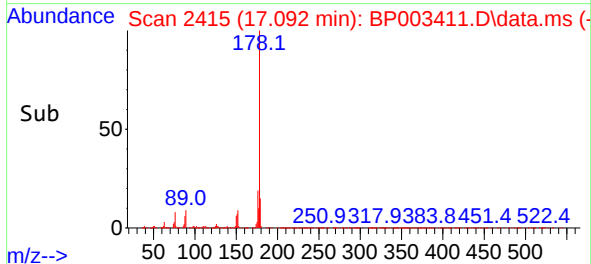
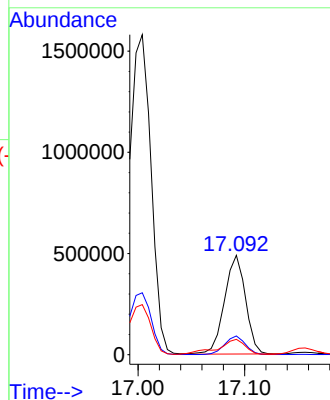
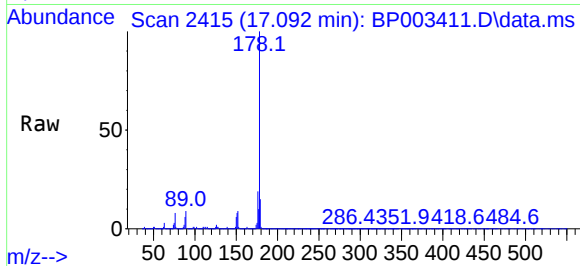
#72
Anthracene
Concen: 22.44 ng
RT: 17.092 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

Tgt Ion:	178	Resp:	672101
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.5	12.5	18.7

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)

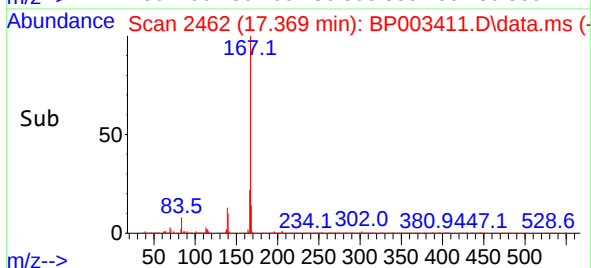
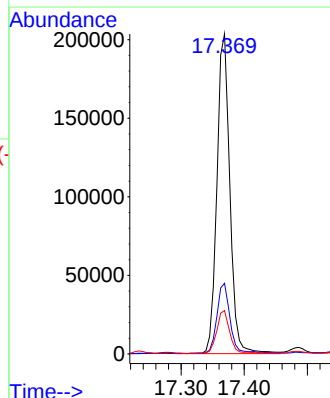
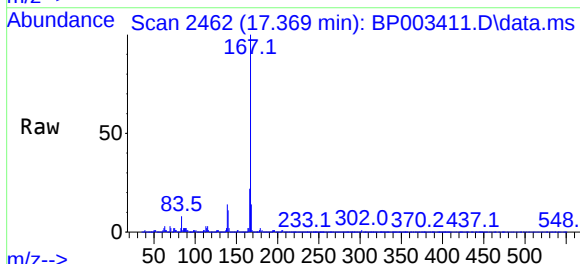
Manual Integrations
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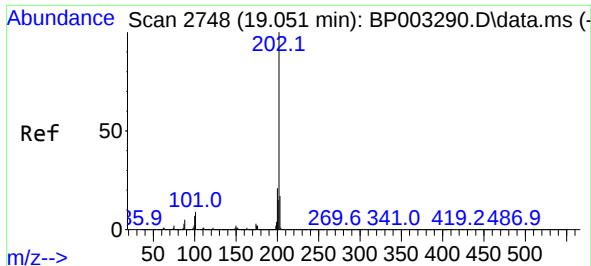
mohammad
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#73
Carbazole
Concen: 10.13 ng
RT: 17.369 min Scan# 2462
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

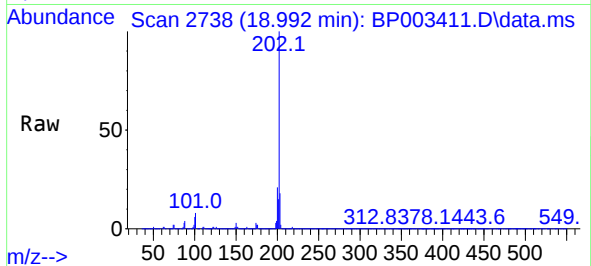
Tgt Ion:	167	Resp:	288347
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.6	26.4
139	13.5	10.2	15.4





#75
Fluoranthene
Concen: 86.95 ng
RT: 18.992 min Scan# 2738
Delta R.T. 0.000 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

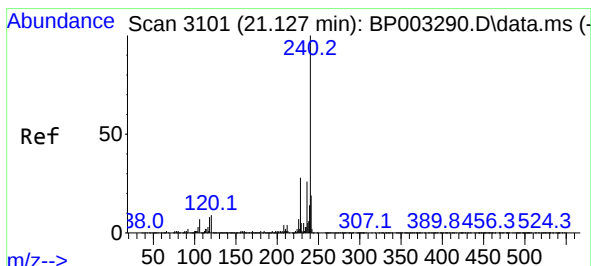
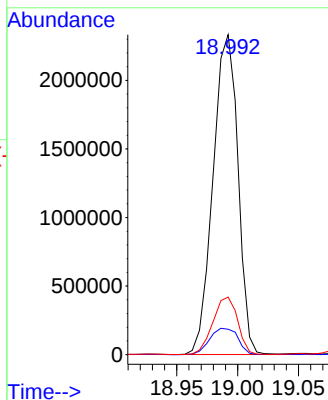
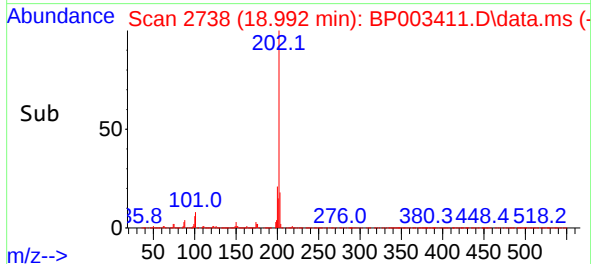
Instrument :
BNA_P
ClientSampleId :
B-6(11-13)



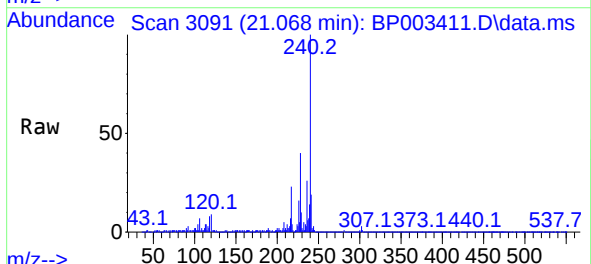
Tgt Ion:202 Resp: 3323201
Ion Ratio Lower Upper
202 100
101 8.0 0.0 29.4
203 18.0 0.0 37.8

Manual Integrations
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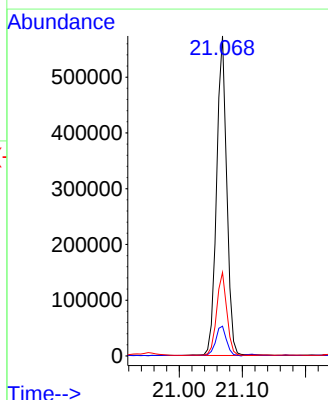
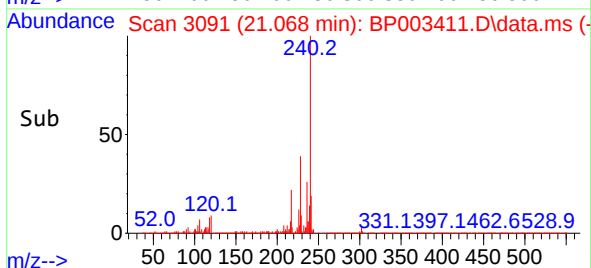
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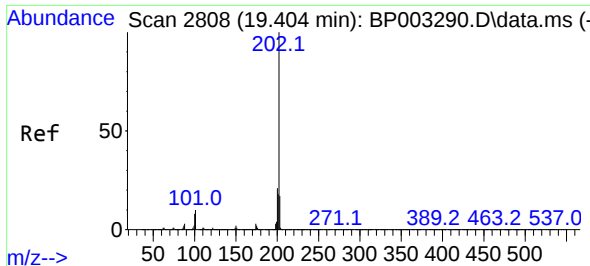


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.068 min Scan# 3091
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54



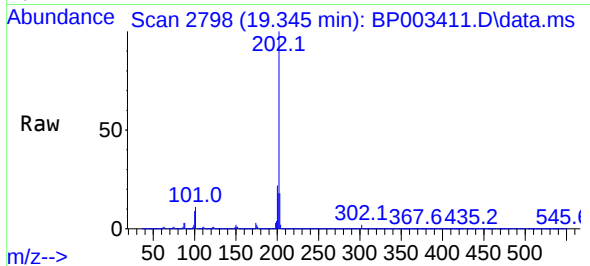
Tgt Ion:240 Resp: 640462
Ion Ratio Lower Upper
240 100
120 9.3 7.8 11.6
236 26.1 20.8 31.2





#78
Pyrene
Concen: 74.14 ng
RT: 19.345 min Scan# 2798
Delta R.T. 0.000 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

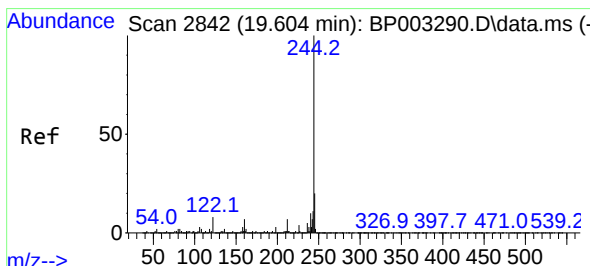
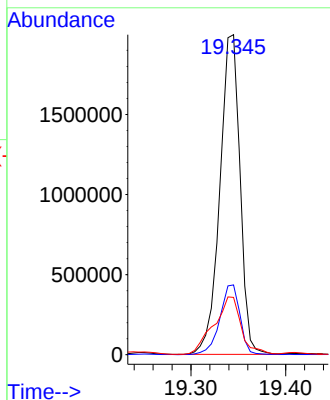
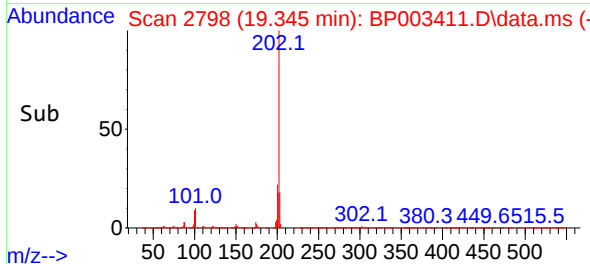
Instrument :
BNA_P
ClientSampleId :
B-6(11-13)



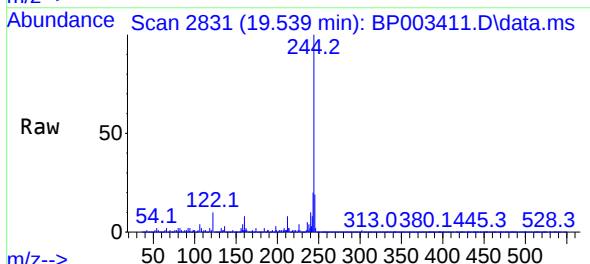
Tgt Ion:202 Resp: 2961138
Ion Ratio Lower Upper
202 100
200 21.8 17.1 25.7
203 17.9 14.2 21.2

Manual Integrations
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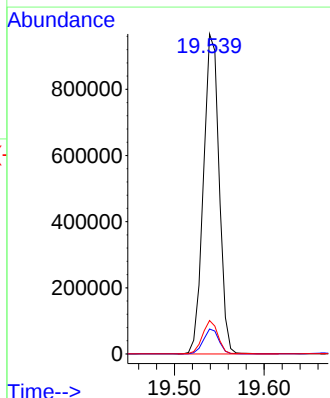
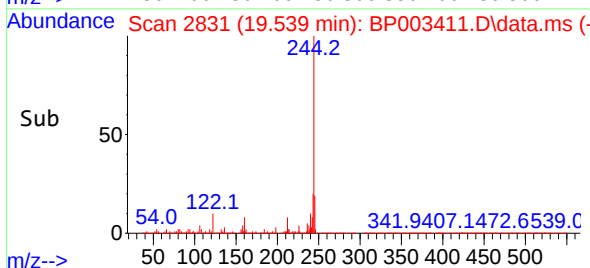
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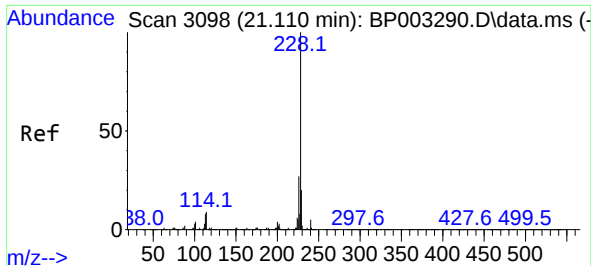


#79
Terphenyl-d14
Concen: 38.15 ng
RT: 19.539 min Scan# 2831
Delta R.T. -0.012 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54



Tgt Ion:244 Resp: 1172577
Ion Ratio Lower Upper
244 100
212 7.8 5.8 8.6
122 10.5 7.8 11.8





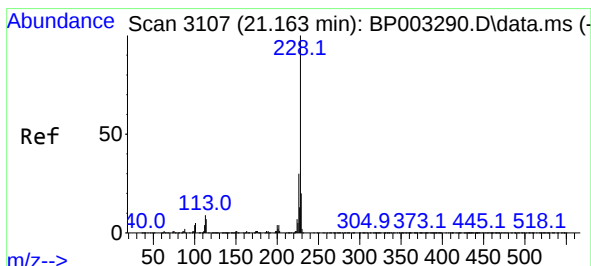
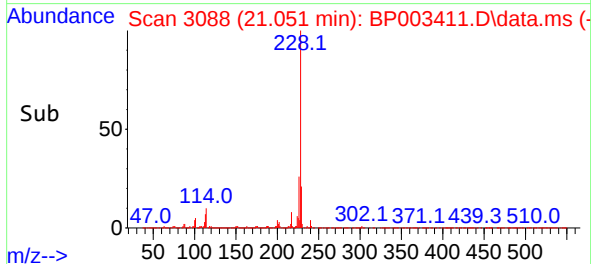
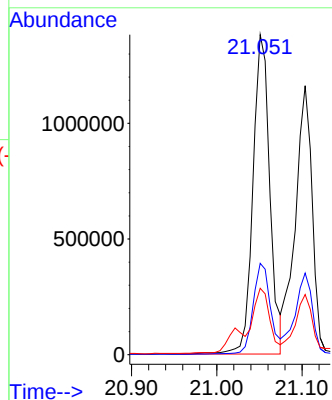
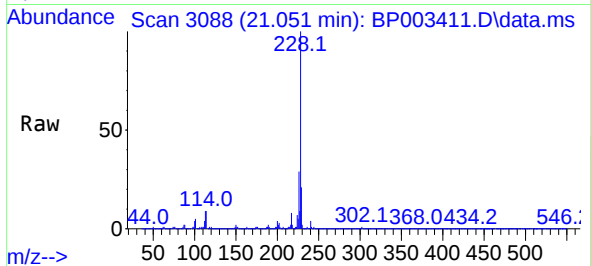
#81
Benzo(a)anthracene
Concen: 45.71 ng
RT: 21.051 min Scan# 3088
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

Tgt Ion:228 Resp: 1892670
Ion Ratio Lower Upper
228 100
226 28.6 22.1 33.1
229 20.8 15.9 23.9

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)

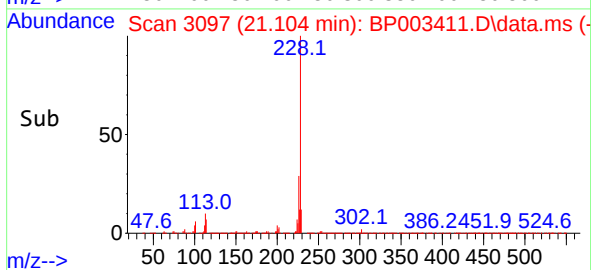
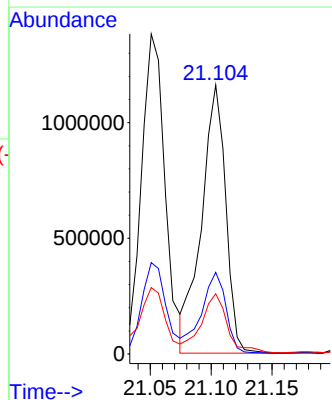
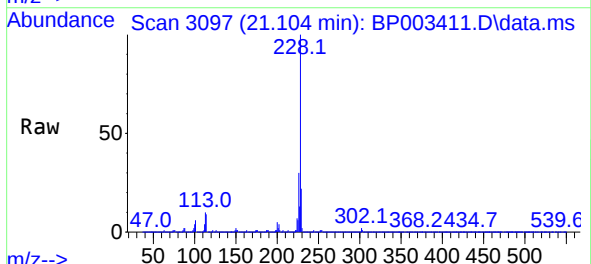
Manual Integrations
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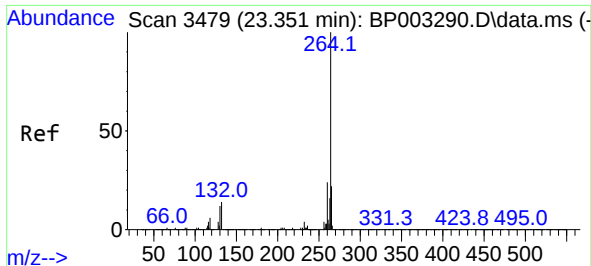
mohammad
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#83
Chrysene
Concen: 40.34 ng
RT: 21.104 min Scan# 3097
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

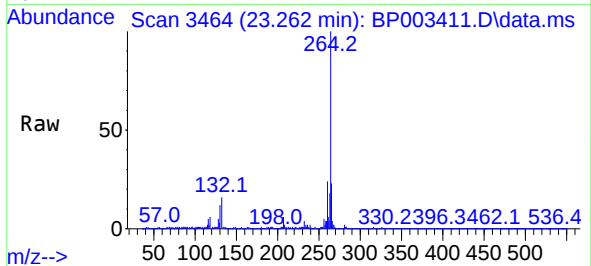
Tgt Ion:228 Resp: 1604443
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 22.4 15.8 23.6





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.262 min Scan# 3464
Delta R.T. 0.000 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

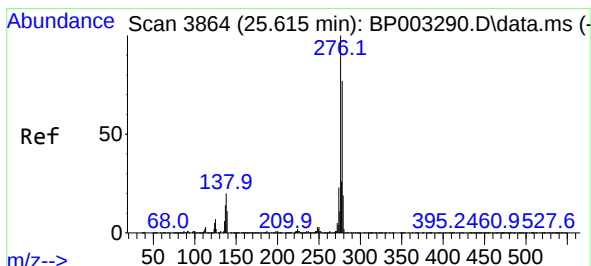
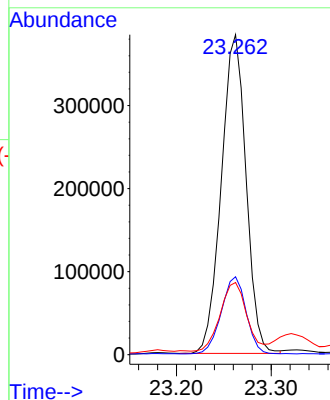
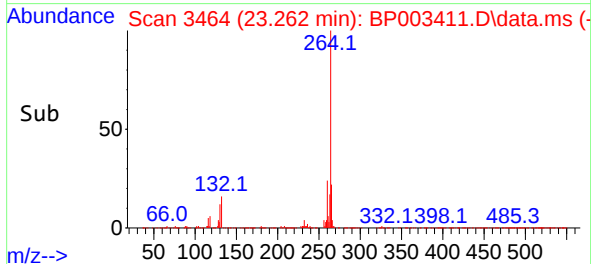
Instrument :
BNA_P
ClientSampleId :
B-6(11-13)



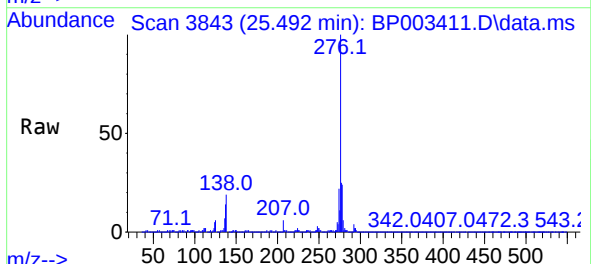
Tgt Ion:264 Resp: 696593
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 22.6 17.4 26.2

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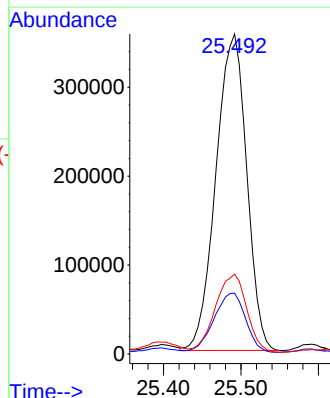
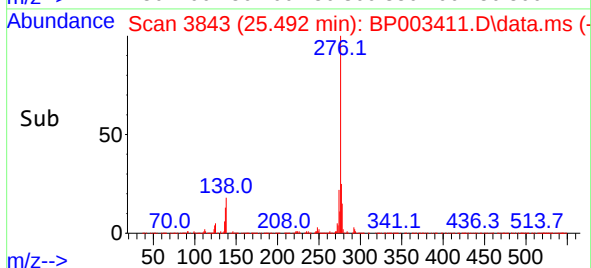
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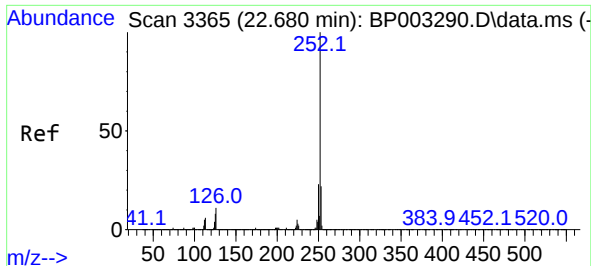


#87
Indeno(1,2,3-cd)pyrene
Concen: 18.63 ng
RT: 25.492 min Scan# 3843
Delta R.T. -0.012 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54



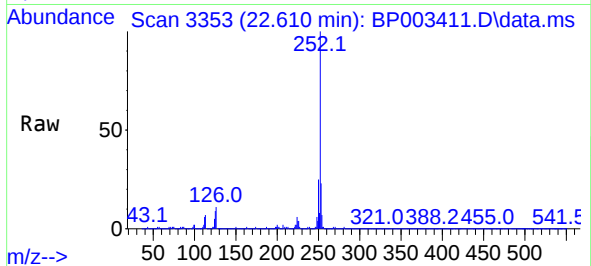
Tgt Ion:276 Resp: 983396
Ion Ratio Lower Upper
276 100
138 19.2 18.7 28.1
277 25.1 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 49.86 ng m
RT: 22.610 min Scan# 3353
Delta R.T. 0.000 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

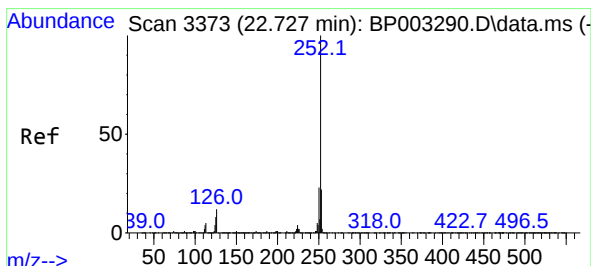
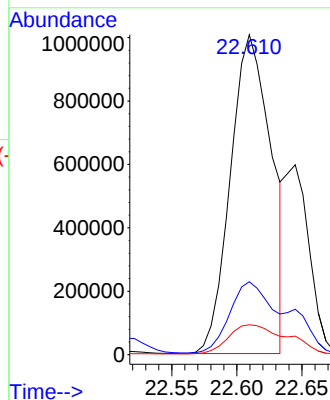
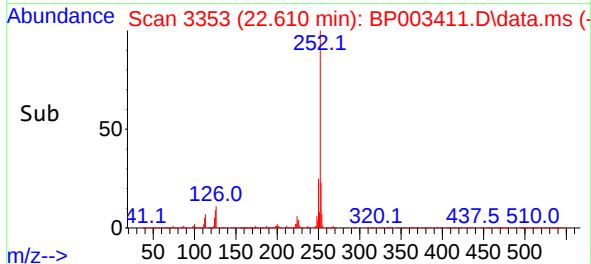
Instrument :
BNA_P
ClientSampleId :
B-6(11-13)



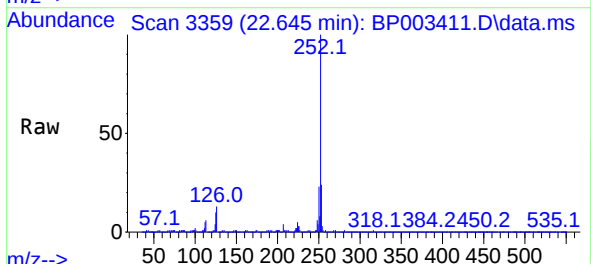
Tgt Ion:252 Resp: 2193230
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 9.4 7.3 10.9

Manual Integrations
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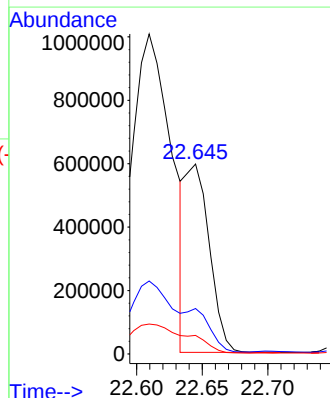
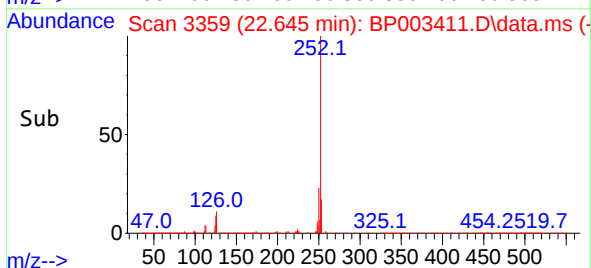
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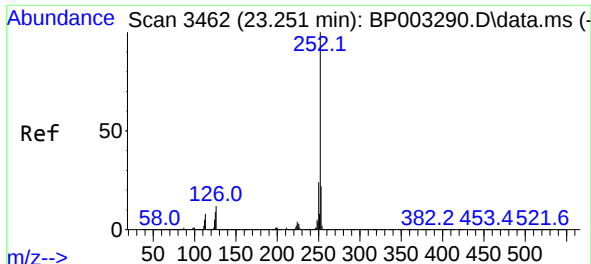


#89
Benzo(k)fluoranthene
Concen: 17.90 ng m
RT: 22.645 min Scan# 3359
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54



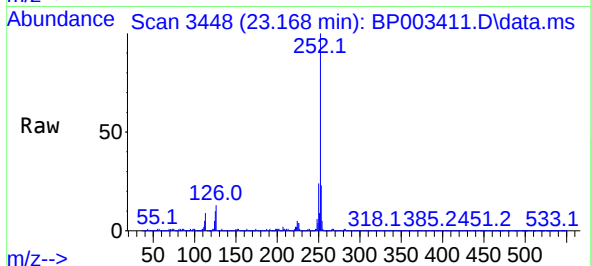
Tgt Ion:252 Resp: 754551
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 9.7 7.4 11.2





#90
Benzo(a)pyrene
Concen: 38.53 ng
RT: 23.168 min Scan# 3448
Delta R.T. -0.006 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

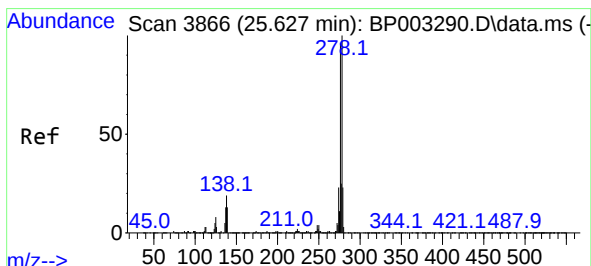
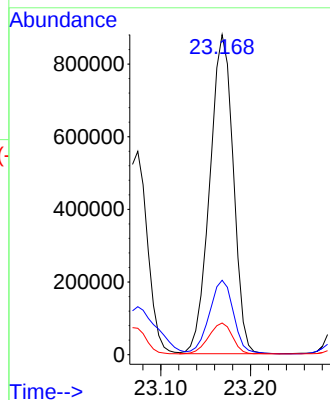
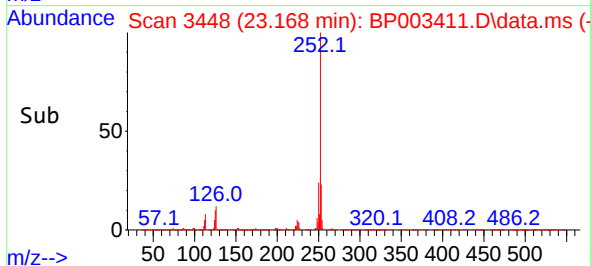
Instrument :
BNA_P
ClientSampleId :
B-6(11-13)



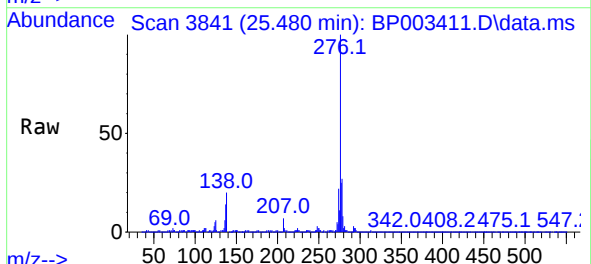
Tgt Ion:252 Resp: 1597996
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 9.9 8.2 12.4

Manual Integrations
APPROVED

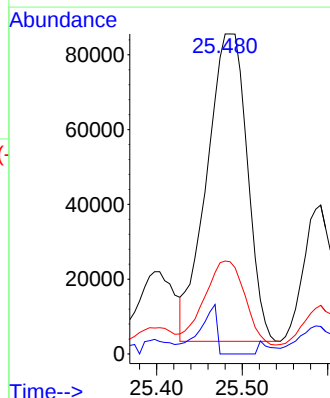
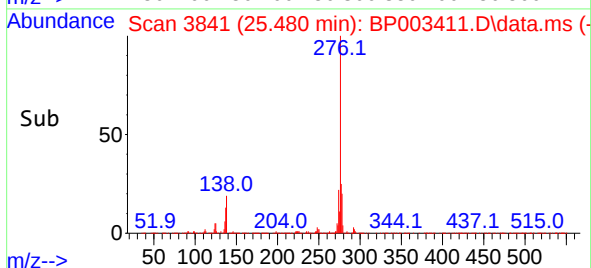
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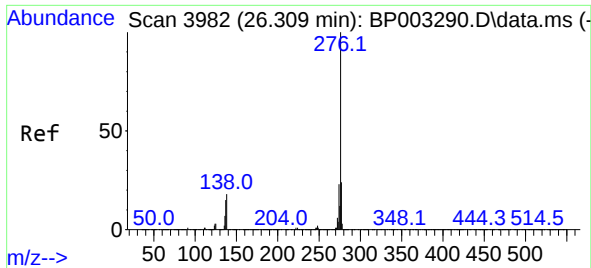


#91
Dibenzo(a,h)anthracene
Concen: 6.22 ng m
RT: 25.480 min Scan# 3841
Delta R.T. -0.029 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54



Tgt Ion:278 Resp: 270803
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6#
279 29.0 19.0 28.6#





#92
Benzo(g,h,i)perylene
Concen: 20.67 ng
RT: 26.168 min Scan# 3958
Delta R.T. -0.018 min
Lab File: BP003411.D
Acq: 29 Sep 2020 21:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.6
138	20.3	16.6	24.8

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)

Manual Integrations
APPROVED

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