

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
 Data File : BP003404.D
 Acq On : 29 Sep 2020 17:55
 Operator : CG/JU
 Sample : L4154-07DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-4(12-14)DL

Manual Integrations
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Quant Time: Sep 29 18:52:32 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	82501	20.00	ng	0.00
21) Naphthalene-d8	10.322	136	373811	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	250333	20.00	ng	-0.01
64) Phenanthrene-d10	16.957	188	569497	20.00	ng	# 0.00
76) Chrysene-d12	21.063	240	683531	20.00	ng	-0.01
86) Perylene-d12	23.257	264	840090	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.158	112	101642	21.51	ng	0.00
7) Phenol-d6	6.752	99	200654	31.86	ng	0.00
23) Nitrobenzene-d5	8.693	82	152850	24.02	ng	-0.01
42) 2,4,6-Tribromophenol	15.710	330	33535	8.78	ng	0.00
45) 2-Fluorobiphenyl	12.816	172	350508	20.48	ng	0.00
79) Terphenyl-d14	19.539	244	610119	18.60	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	13.922	152	74107	3.14	ng	100
58) Fluorene	15.257	166	41431	2.29	ng	# 99
71) Phenanthrene	16.998	178	914009	29.50	ng	100
72) Anthracene	17.086	178	264154	8.65	ng	100
73) Carbazole	17.369	167	61356	2.12	ng	98
75) Fluoranthene	18.986	202	1801343	46.24	ng	99
78) Pyrene	19.339	202	1843445	43.24	ng	100
81) Benzo(a)anthracene	21.045	228	1087423	24.61	ng	99
83) Chrysene	21.098	228	953291	22.46	ng	98
87) Indeno(1,2,3-cd)pyrene	25.474	276	613234	9.63	ng	95
88) Benzo(b)fluoranthene	22.598	252	1261841m	23.79	ng	
89) Benzo(k)fluoranthene	22.639	252	393072m	7.73	ng	
90) Benzo(a)pyrene	23.163	252	1016007	20.31	ng	98
91) Dibenzo(a,h)anthracene	25.474	278	171841m	3.27	ng	
92) Benzo(g,h,i)perylene	26.156	276	597341	11.39	ng	99

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

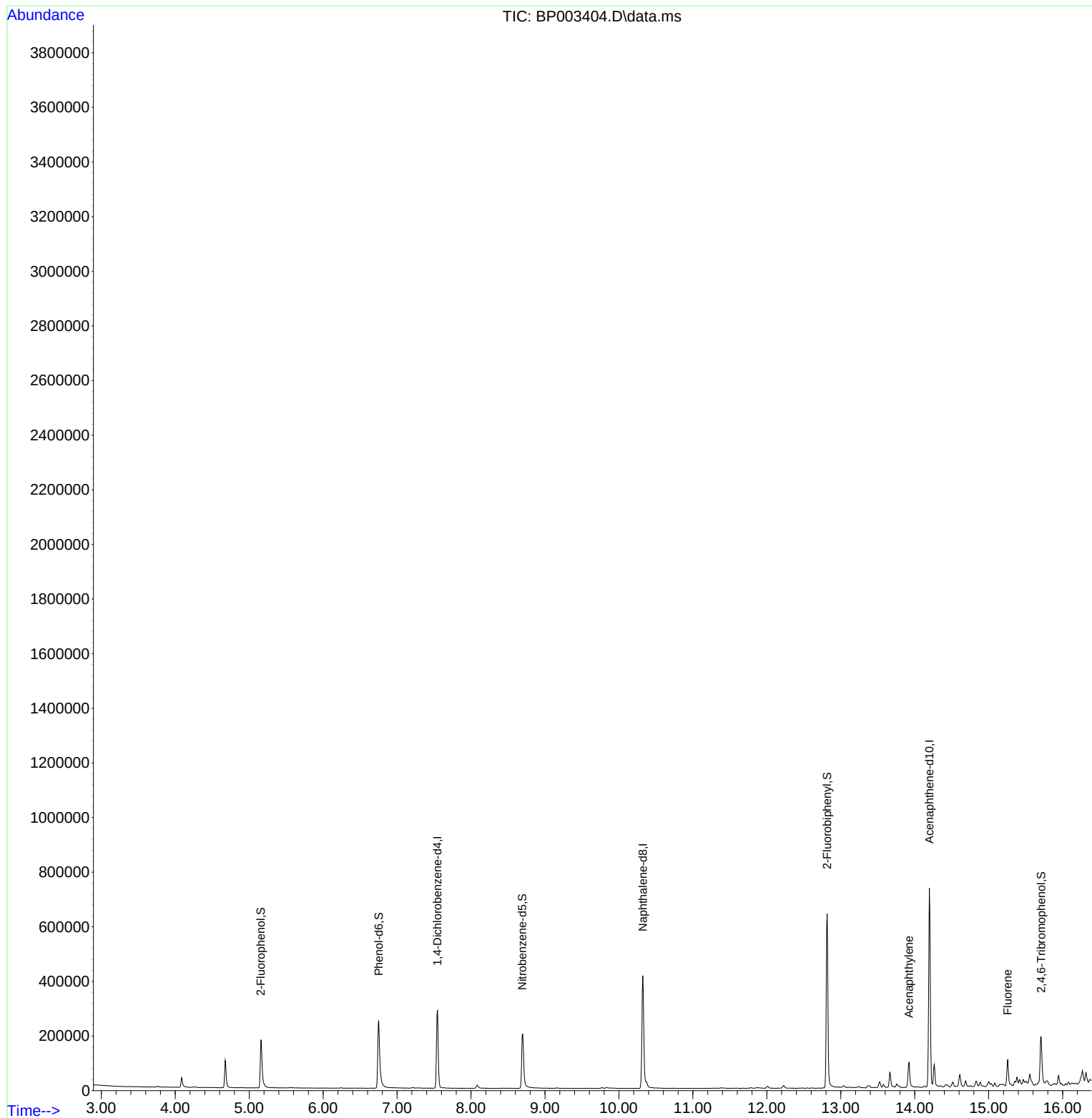
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
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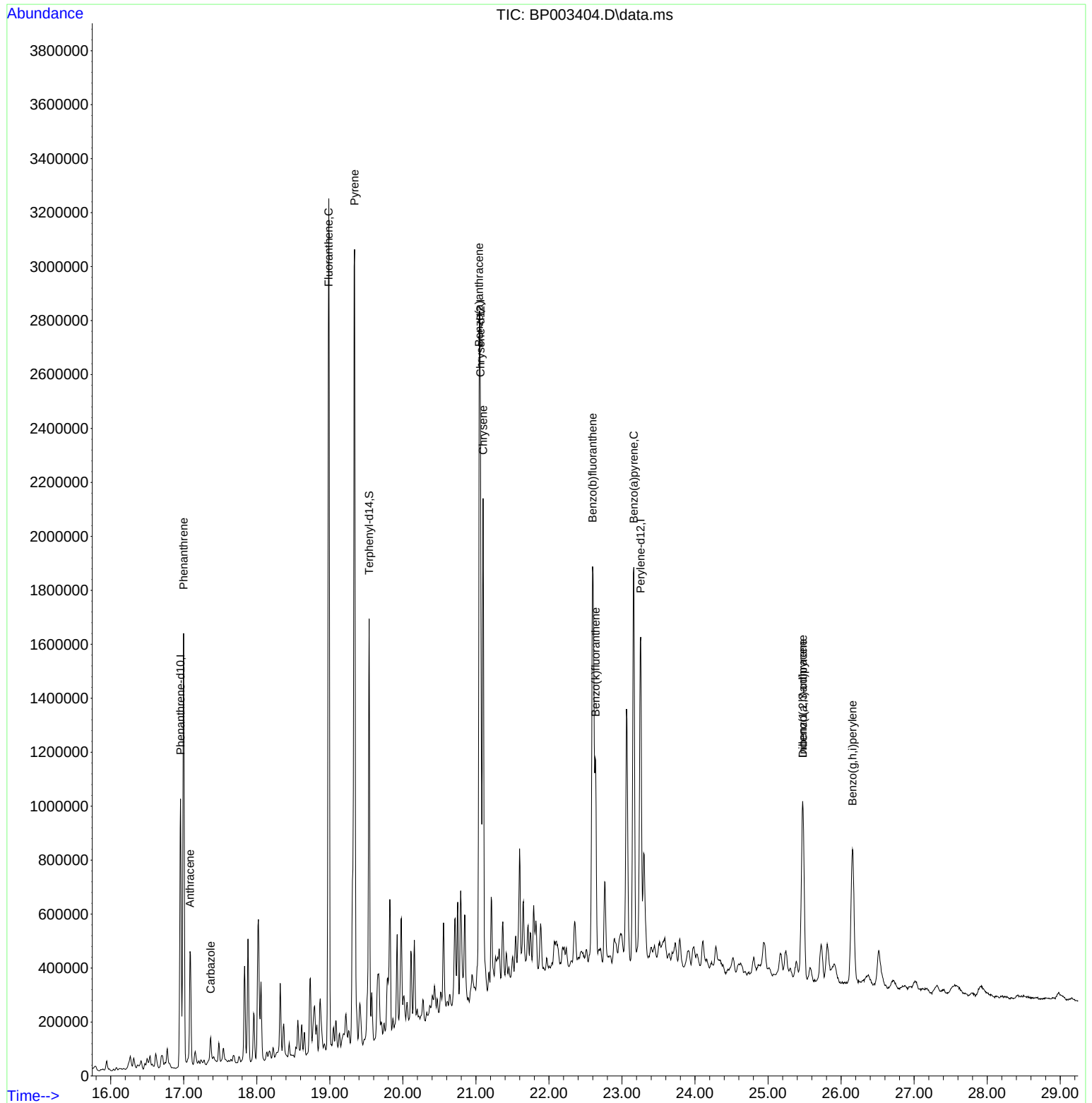
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003404.D
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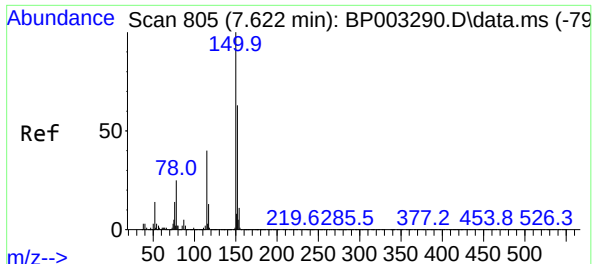
Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL

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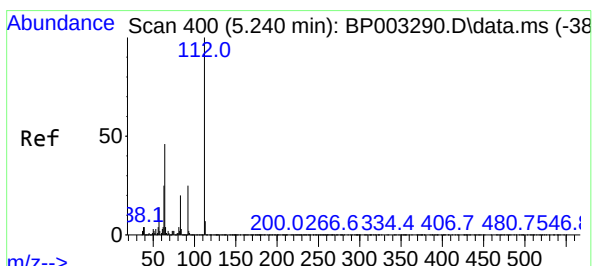
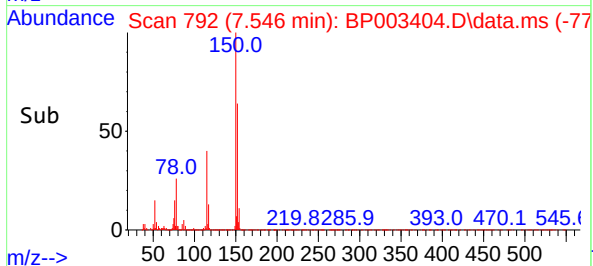
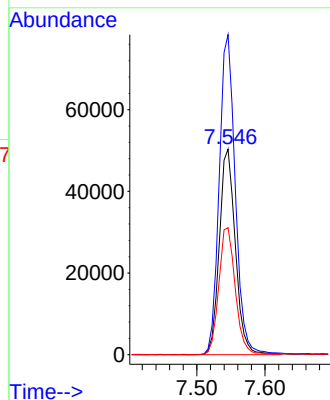
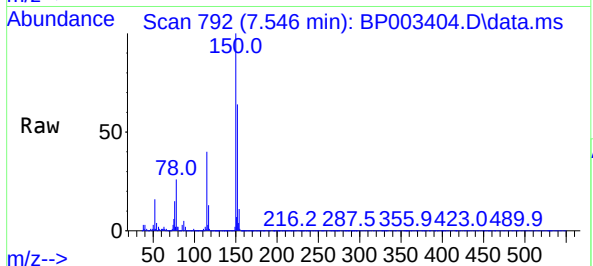
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.546 min Scan# 792
Delta R.T. -0.000 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion:	152	Resp:	82501
Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.8	185.6
115	61.8	43.8	65.6

Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL

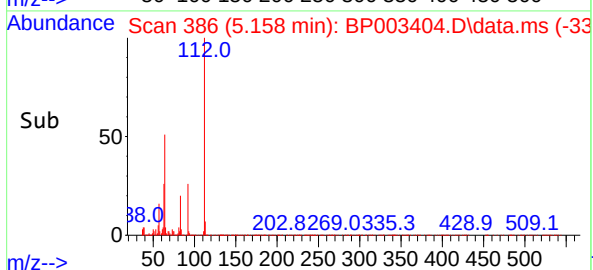
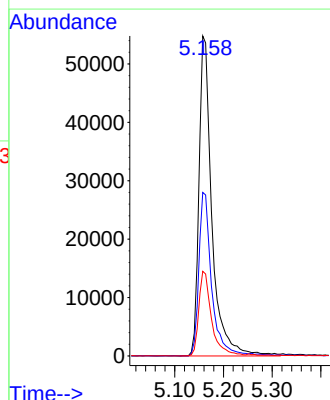
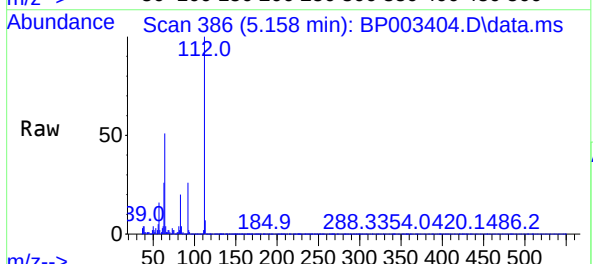
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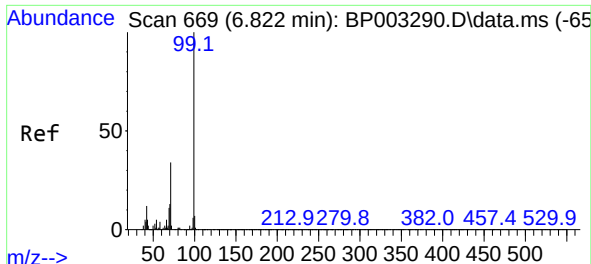
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#5
2-Fluorophenol
Concen: 21.51 ng
RT: 5.158 min Scan# 386
Delta R.T. -0.006 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

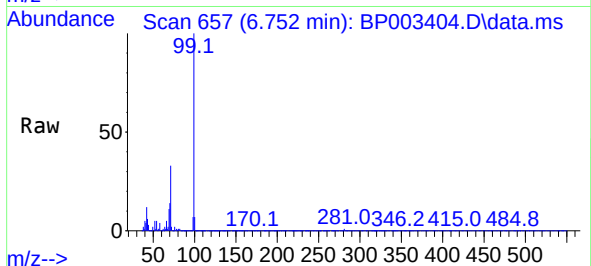
Tgt Ion:	112	Resp:	101642
Ion	Ratio	Lower	Upper
112	100		
64	51.1	32.8	49.2#
63	26.5	17.0	25.4#





#7
Phenol-d6
Concen: 31.86 ng
RT: 6.752 min Scan# 657
Delta R.T. 0.000 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

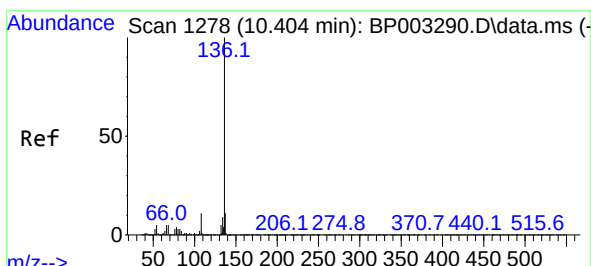
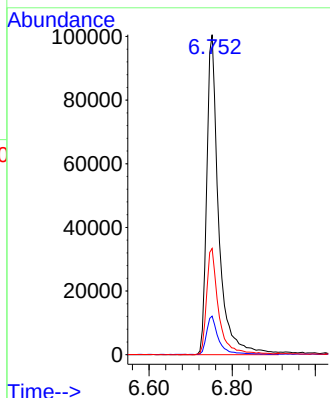
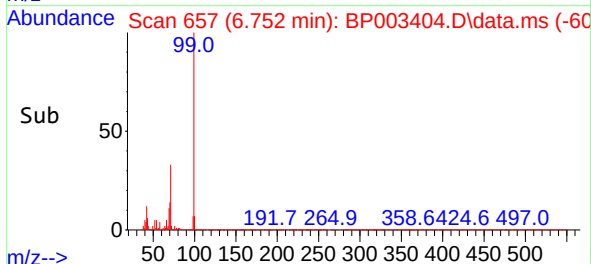
Instrument :
BNA_P
ClientSampled :
B-4(12-14)DL



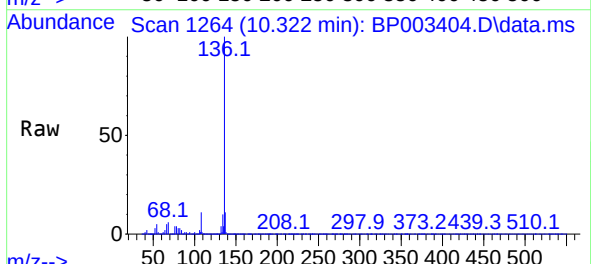
Tgt Ion: 99 Resp: 200654
Ion Ratio Lower Upper
99 100
42 12.0 8.6 13.0
71 33.2 23.4 35.2

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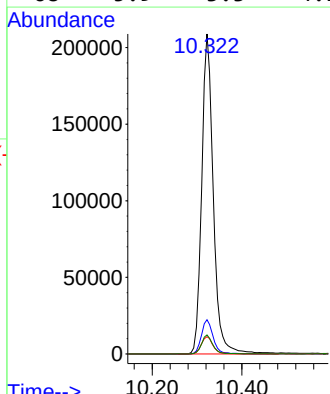
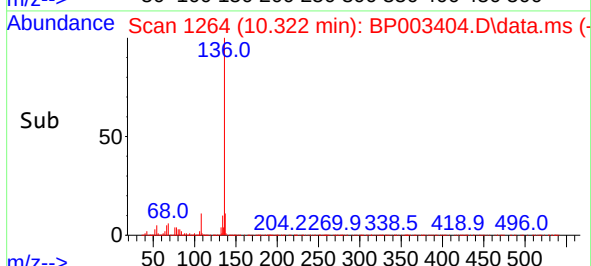
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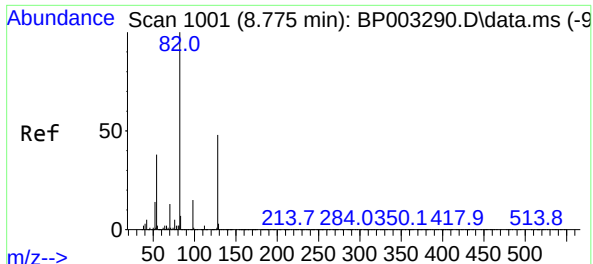


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.322 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55



Tgt Ion: 136 Resp: 373811
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 5.4 3.6 5.4
68 5.9 3.3 4.9





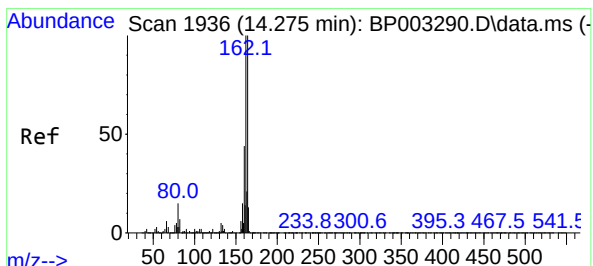
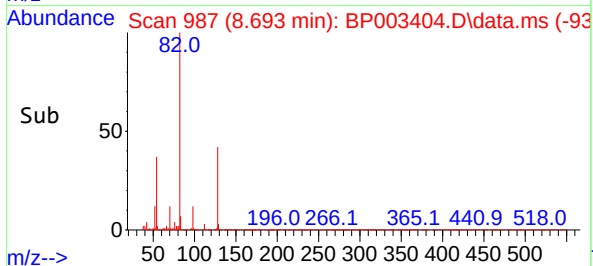
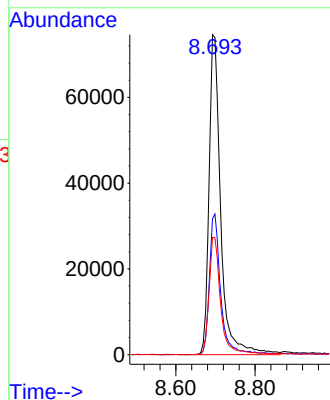
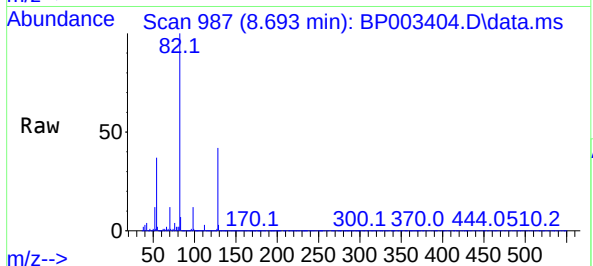
#23
Nitrobenzene-d5
Concen: 24.02 ng
RT: 8.693 min Scan# 987
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion: 82 Resp: 152850
Ion Ratio Lower Upper
82 100
128 42.4 45.6 68.4#
54 36.6 30.1 45.1

Instrument :
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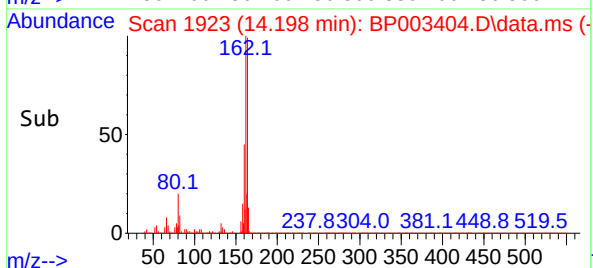
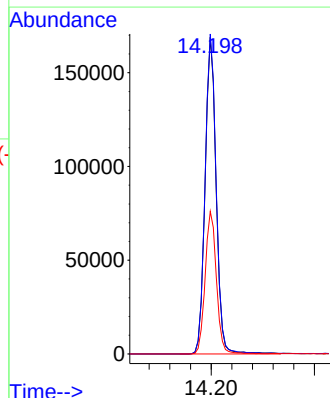
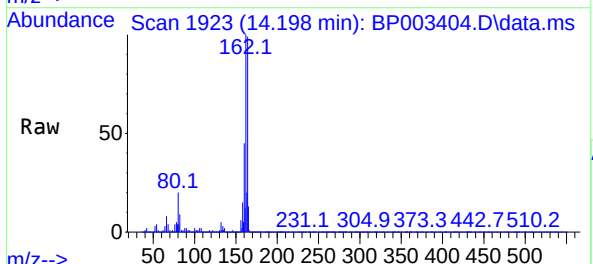
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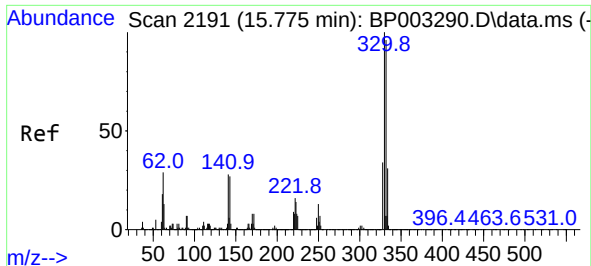
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

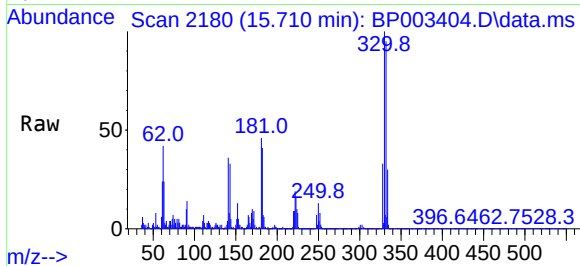
Tgt Ion:164 Resp: 250333
Ion Ratio Lower Upper
164 100
162 101.0 79.4 119.2
160 45.0 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 8.78 ng
RT: 15.710 min Scan# 2180
Delta R.T. 0.000 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

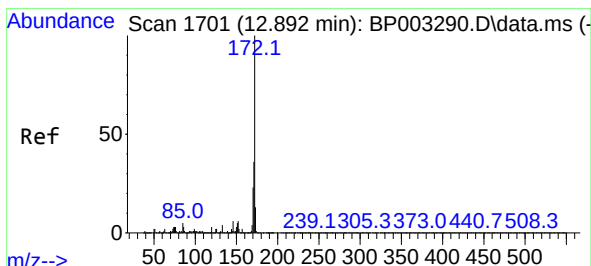
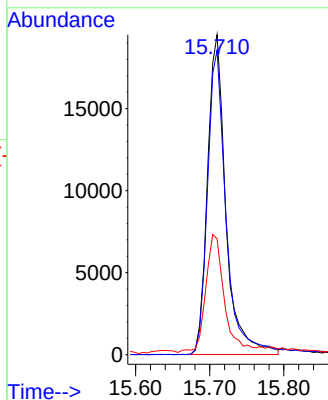
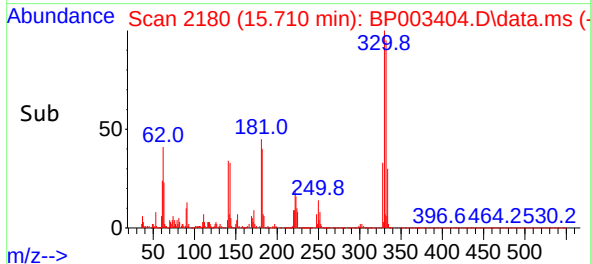
Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL



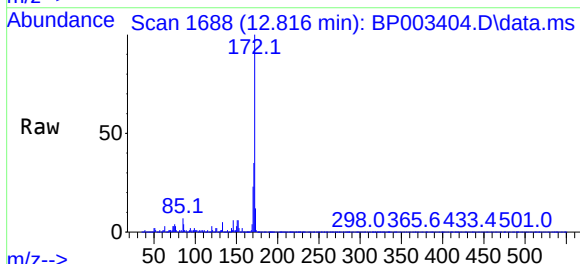
Tgt Ion:330 Resp: 33535
Ion Ratio Lower Upper
330 100
332 99.3 77.1 115.7
141 37.3 23.4 35.2#

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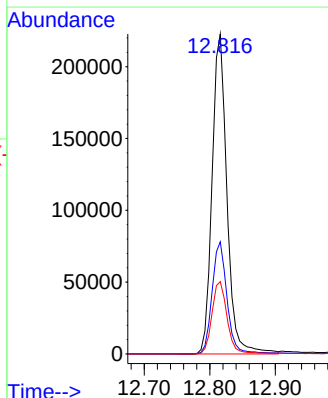
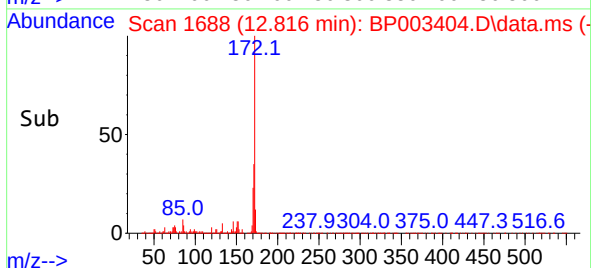
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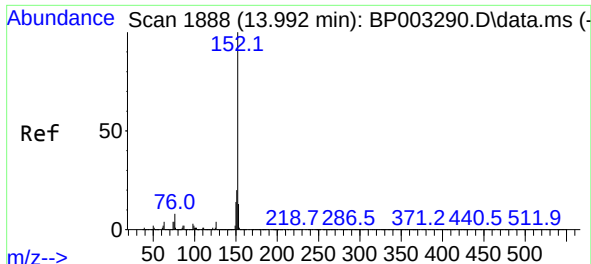


#45
2-Fluorobiphenyl
Concen: 20.48 ng
RT: 12.816 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BP003404.D
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Tgt Ion:172 Resp: 350508
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 22.6 19.2 28.8





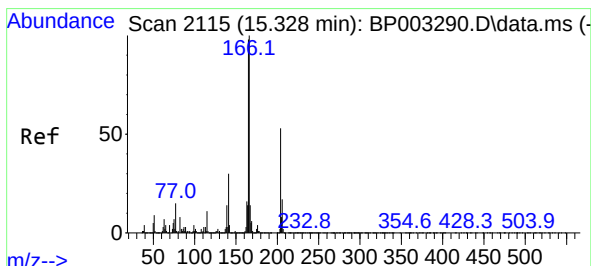
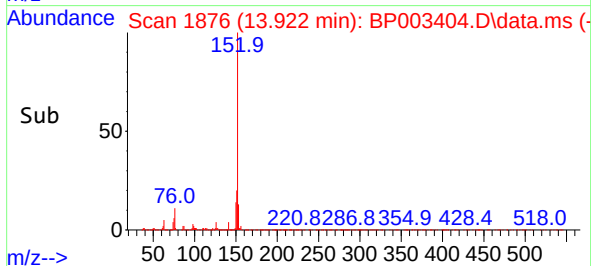
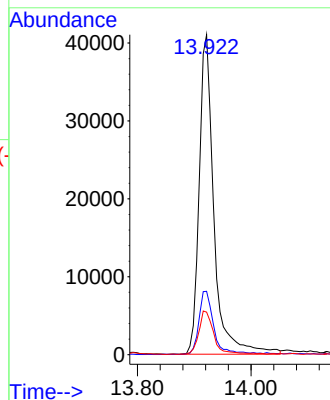
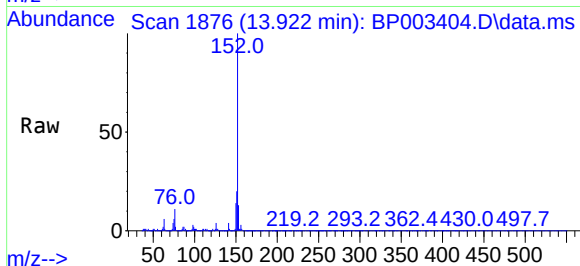
#49
Acenaphthylene
Concen: 3.14 ng
RT: 13.922 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion:	152	Resp:	74107
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.9	23.9
153	13.3	10.5	15.7

Instrument :
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ClientSampleId :
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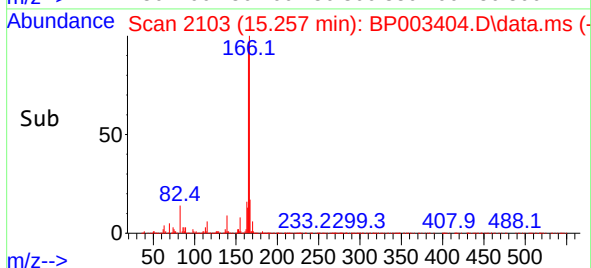
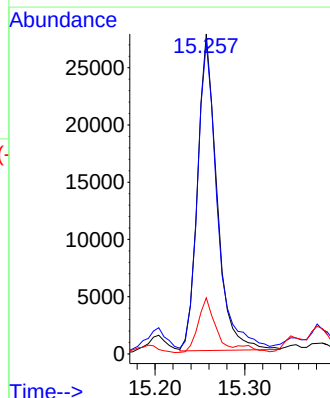
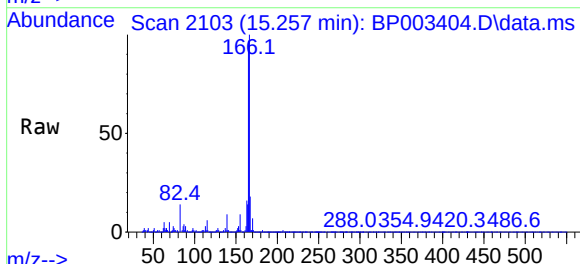
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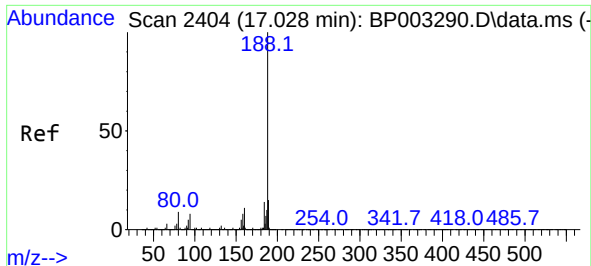
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#58
Fluorene
Concen: 2.29 ng
RT: 15.257 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion:	166	Resp:	41431
Ion Ratio	Lower	Upper	
166	100		
165	97.5	77.8	116.8
167	17.5	11.0	16.4#





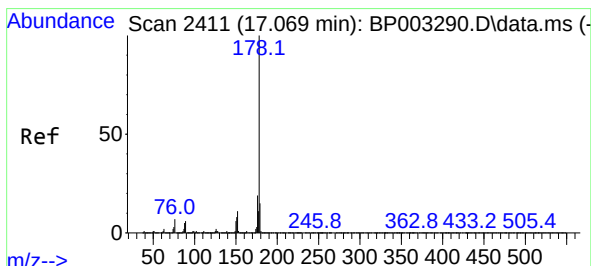
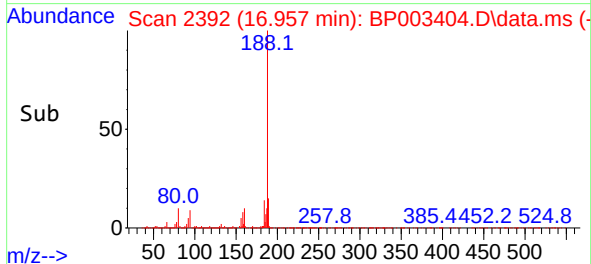
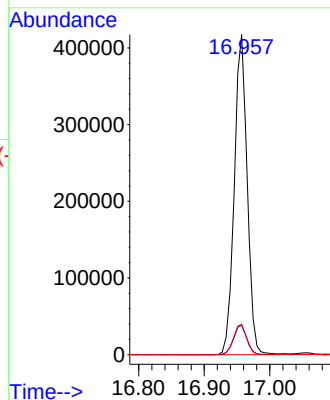
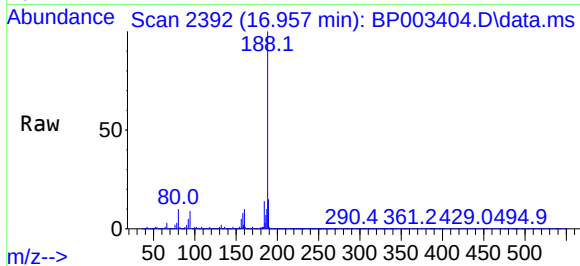
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.957 min Scan# 2392
Delta R.T. -0.006 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.2	9.2
80	9.5	6.2	9.2

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B-4(12-14)DL

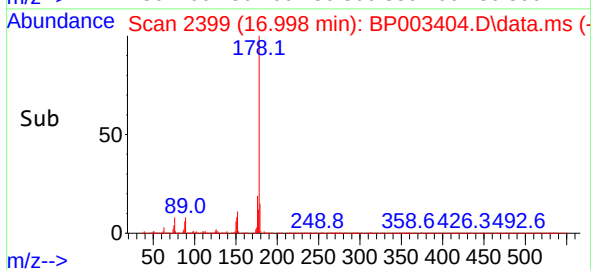
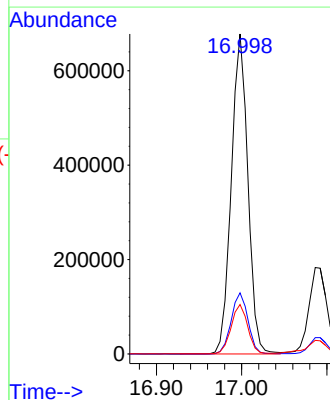
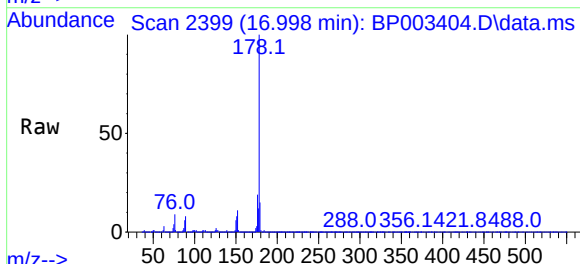
Manual Integrations
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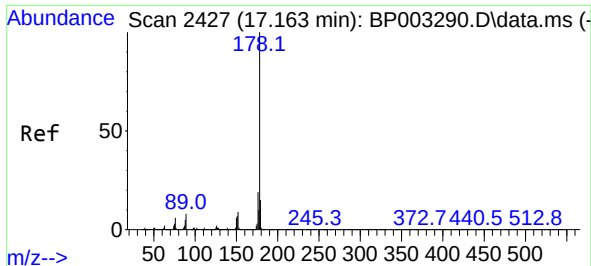
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#71
Phenanthrene
Concen: 29.50 ng
RT: 16.998 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.5	12.5	18.7





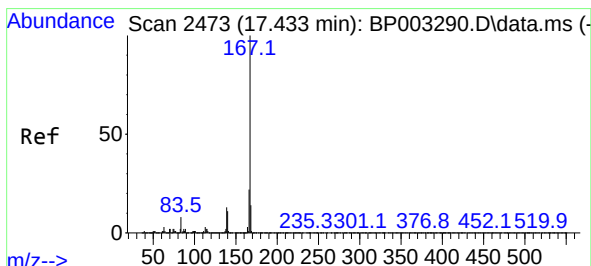
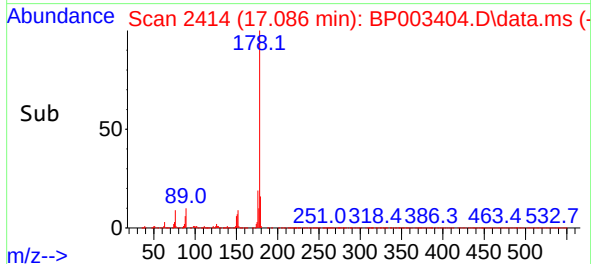
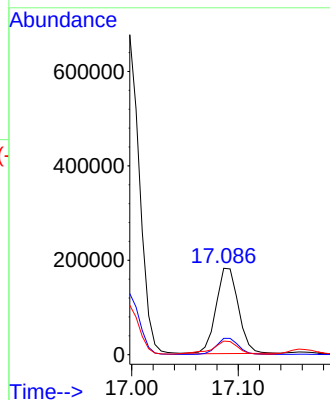
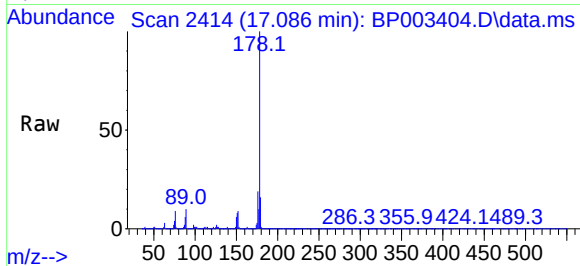
#72
 Anthracene
 Concen: 8.65 ng
 RT: 17.086 min Scan# 2414
 Delta R.T. -0.012 min
 Lab File: BP003404.D
 Acq: 29 Sep 2020 17:55

Tgt Ion:	178	Resp:	264154
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.0	22.4
179	15.7	12.5	18.7

Instrument :
 BNA_P
 ClientSampleID :
 B-4(12-14)DL

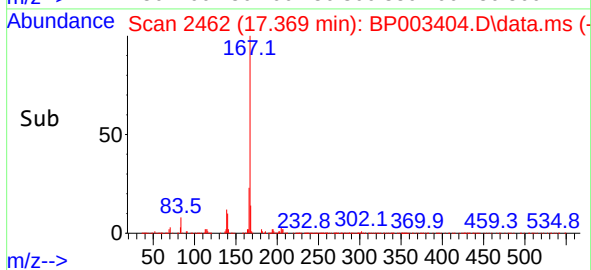
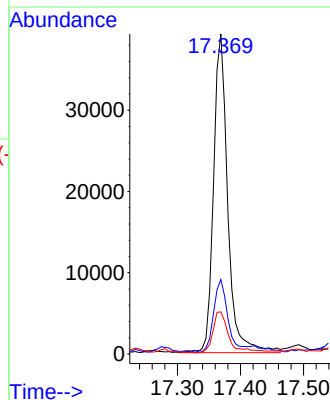
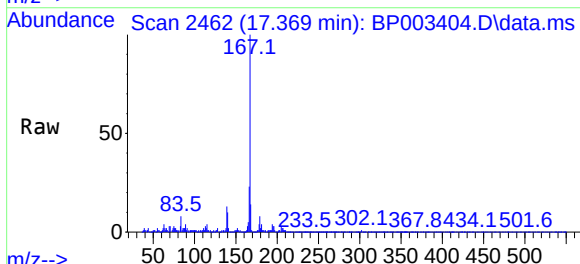
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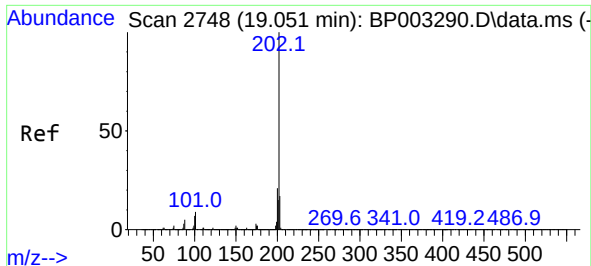
mohammad
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#73
 Carbazole
 Concen: 2.12 ng
 RT: 17.369 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BP003404.D
 Acq: 29 Sep 2020 17:55

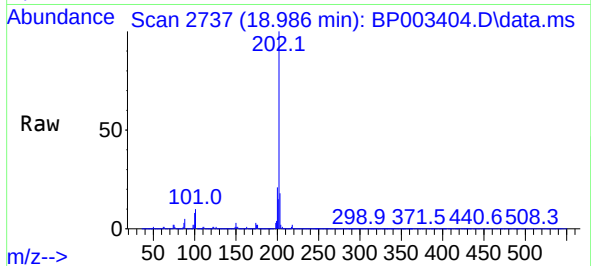
Tgt Ion:	167	Resp:	61356
Ion Ratio	Lower	Upper	
167	100		
166	23.3	17.6	26.4
139	13.2	10.2	15.4





#75
Fluoranthene
Concen: 46.24 ng
RT: 18.986 min Scan# 2737
Delta R.T. -0.006 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

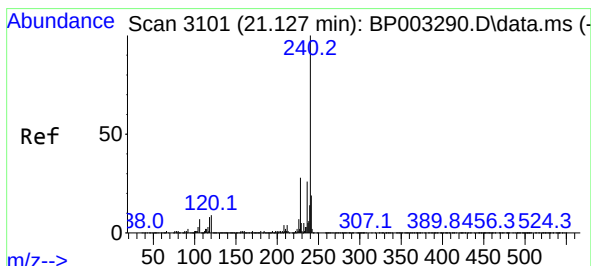
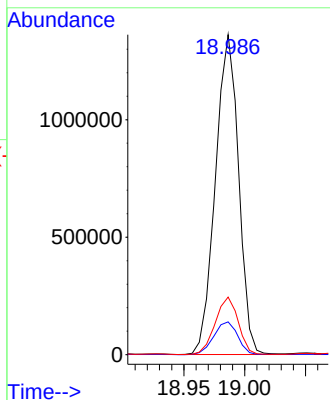
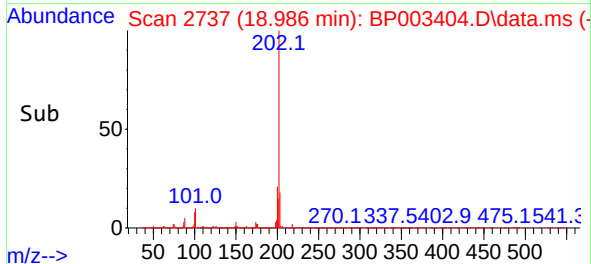
Instrument :
BNA_P
ClientSampleId :
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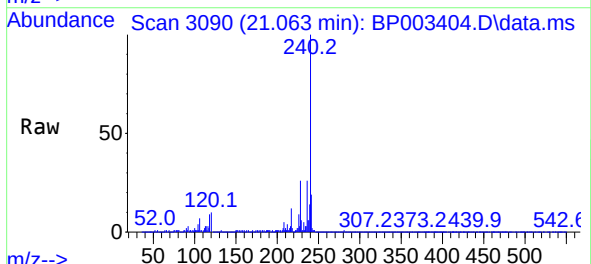
Tgt Ion:202 Resp: 1801343
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.4
203 18.0 0.0 37.8

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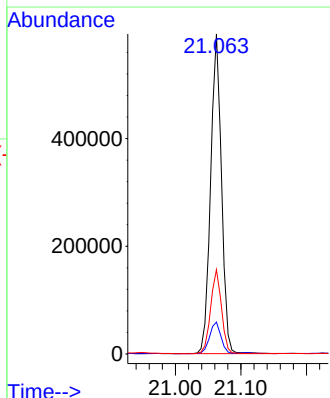
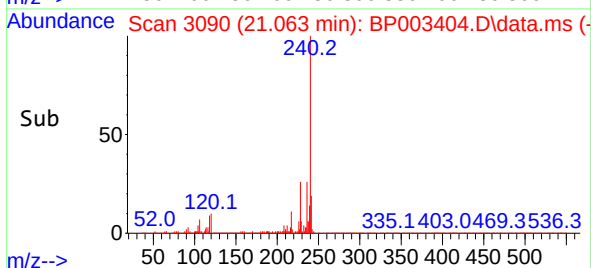
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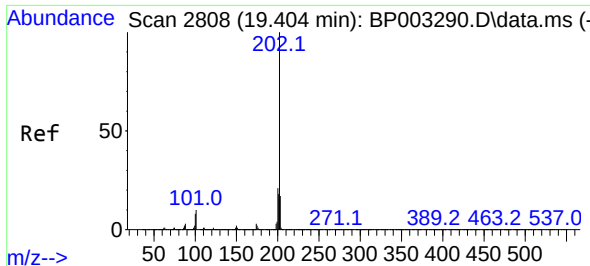


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.063 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55



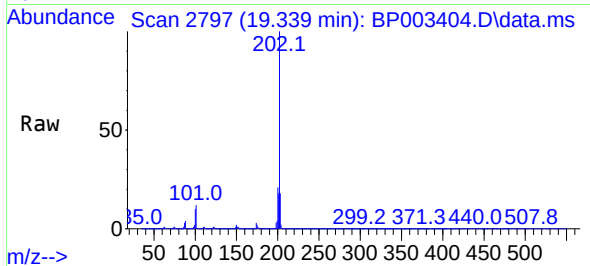
Tgt Ion:240 Resp: 683531
Ion Ratio Lower Upper
240 100
120 10.0 7.8 11.6
236 26.4 20.8 31.2





#78
Pyrene
Concen: 43.24 ng
RT: 19.339 min Scan# 2797
Delta R.T. -0.006 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

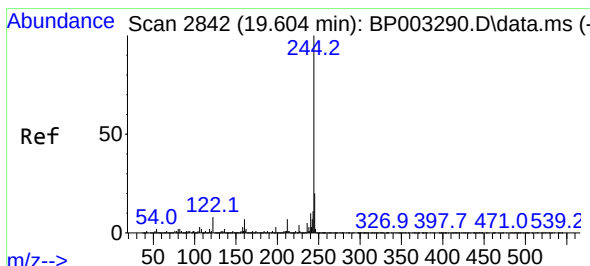
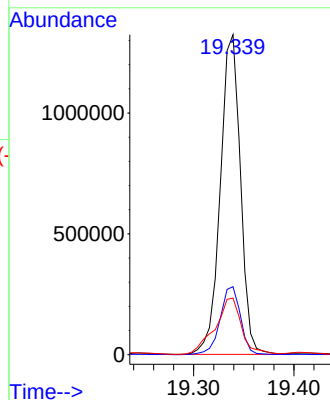
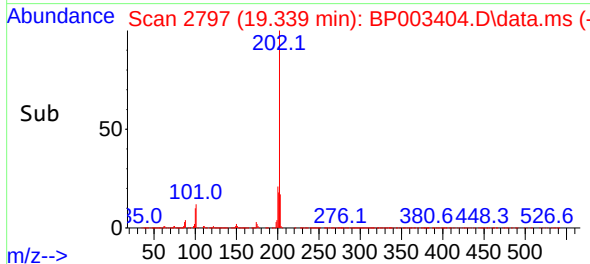
Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL



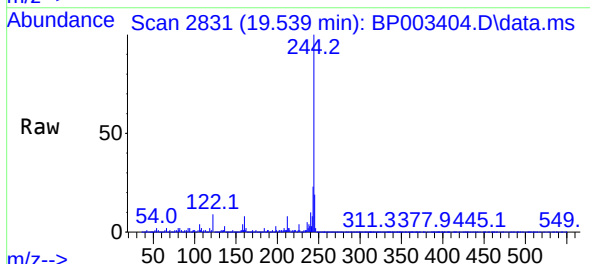
Tgt Ion:202 Resp: 1843445
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.7 14.2 21.2

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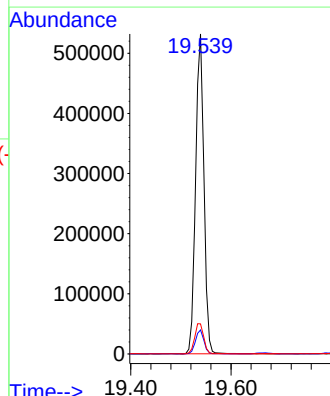
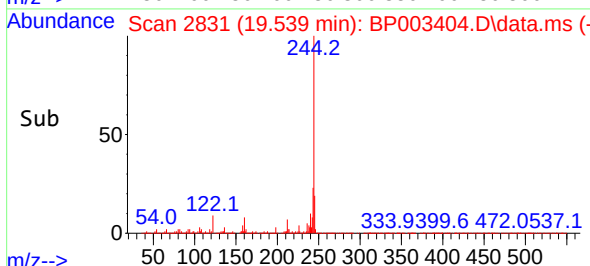
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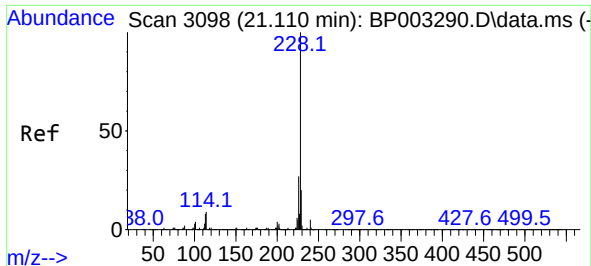


#79
Terphenyl-d14
Concen: 18.60 ng
RT: 19.539 min Scan# 2831
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55



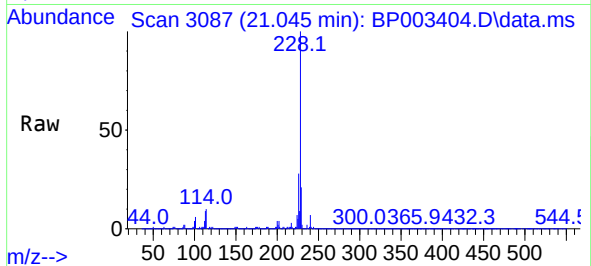
Tgt Ion:244 Resp: 610119
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 9.4 7.8 11.8





#81
Benzo(a)anthracene
Concen: 24.61 ng
RT: 21.045 min Scan# 3087
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

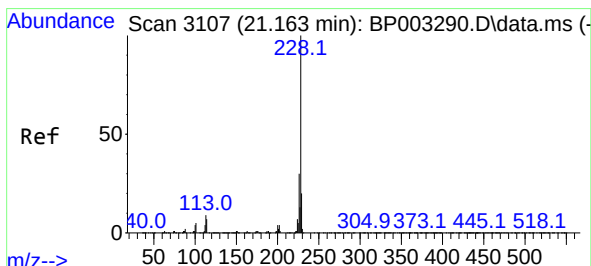
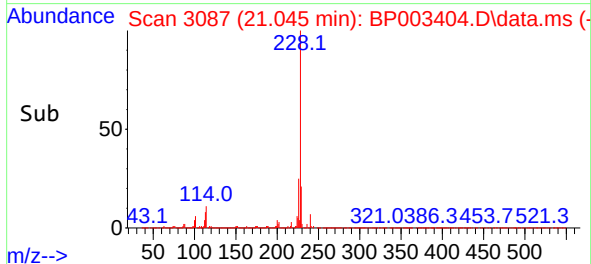
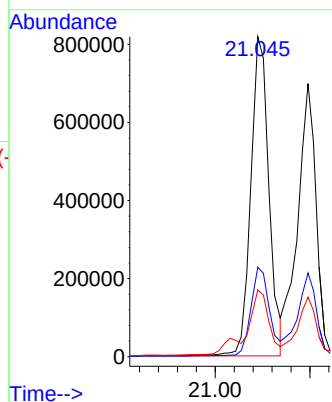
Instrument :
BNA_P
ClientSampleID :
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Tgt Ion:228 Resp: 1087423
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 20.8 15.9 23.9

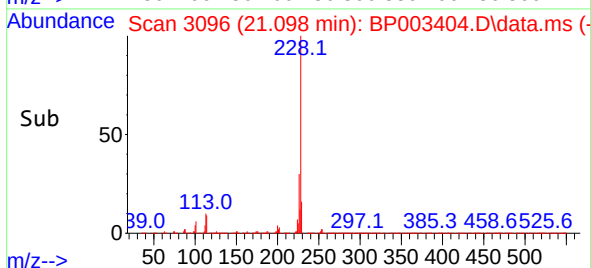
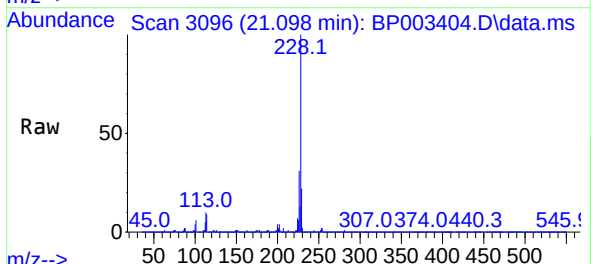
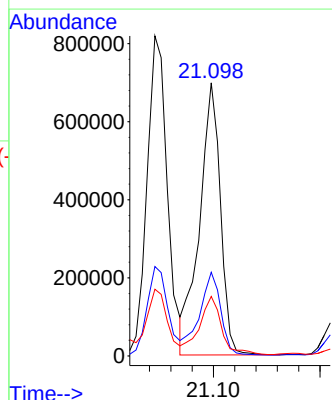
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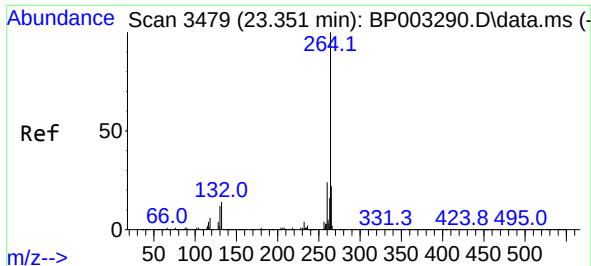
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#83
Chrysene
Concen: 22.46 ng
RT: 21.098 min Scan# 3096
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

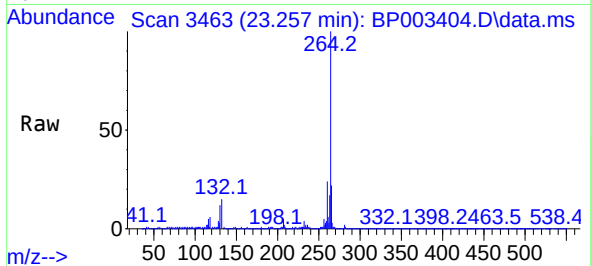
Tgt Ion:228 Resp: 953291
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 21.8 15.8 23.6





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.257 min Scan# 3463
 Delta R.T. -0.006 min
 Lab File: BP003404.D
 Acq: 29 Sep 2020 17:55

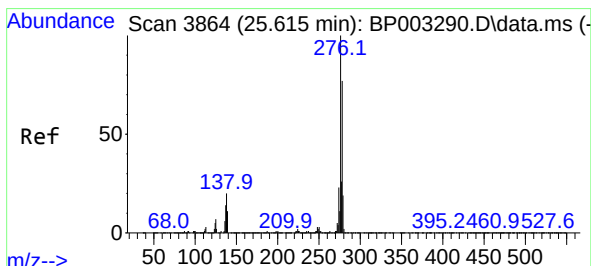
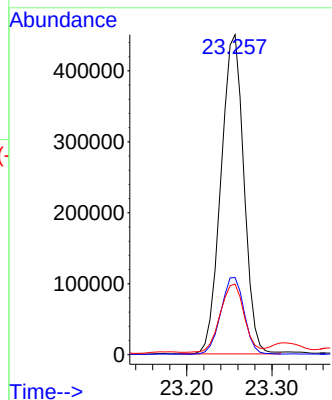
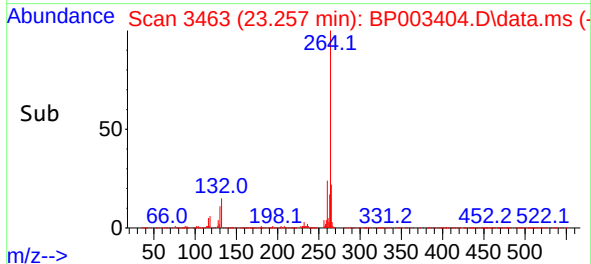
Instrument :
 BNA_P
 ClientSampleID :
 B-4(12-14)DL



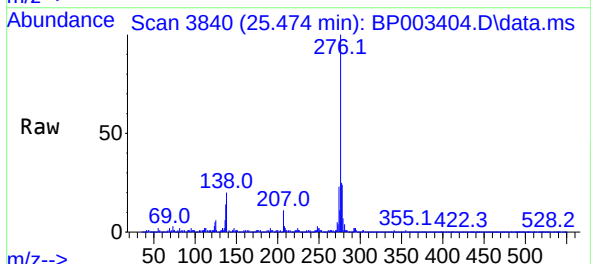
Tgt Ion:264 Resp: 840090
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.8 28.2
 265 22.1 17.4 26.2

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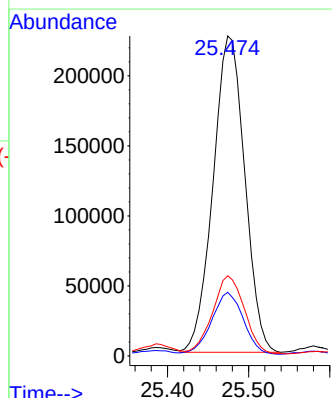
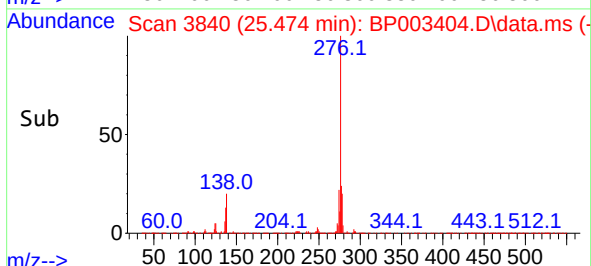
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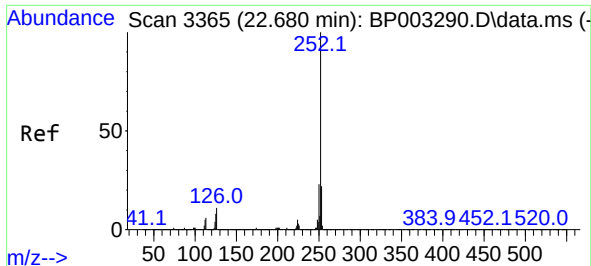


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.63 ng
 RT: 25.474 min Scan# 3840
 Delta R.T. -0.029 min
 Lab File: BP003404.D
 Acq: 29 Sep 2020 17:55



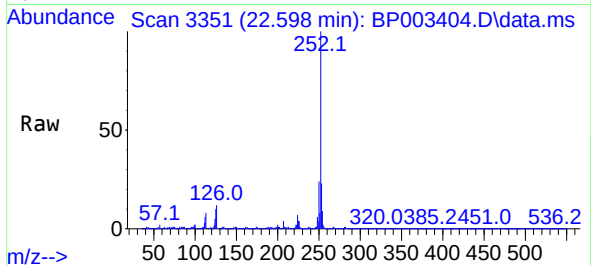
Tgt Ion:276 Resp: 613234
 Ion Ratio Lower Upper
 276 100
 138 19.6 18.7 28.1
 277 24.8 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 23.79 ng m
RT: 22.598 min Scan# 3351
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

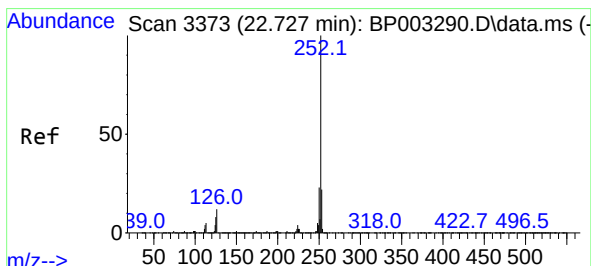
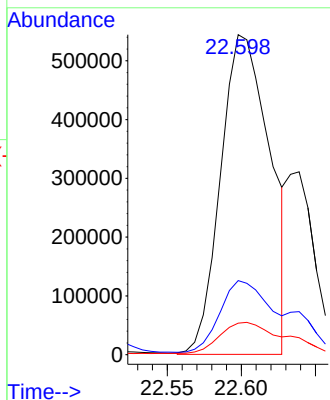
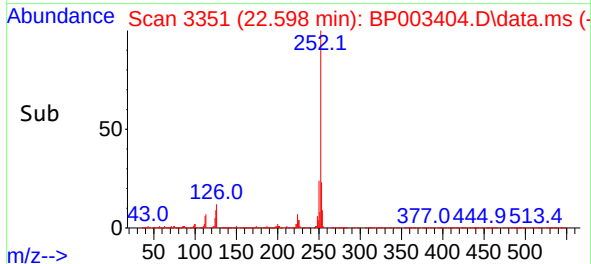
Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL



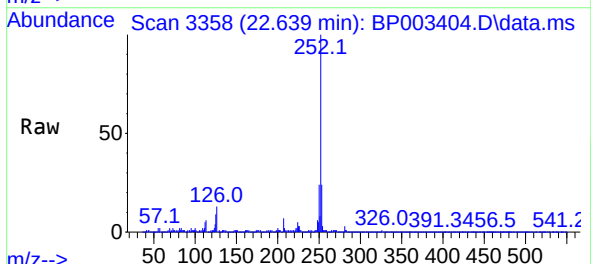
Tgt Ion:252 Resp: 1261841
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 9.8 7.3 10.9

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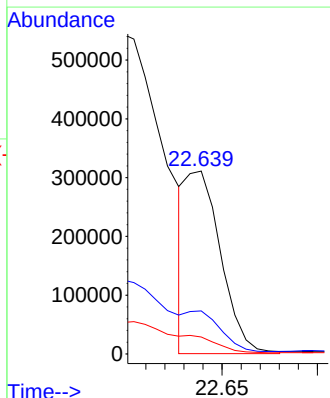
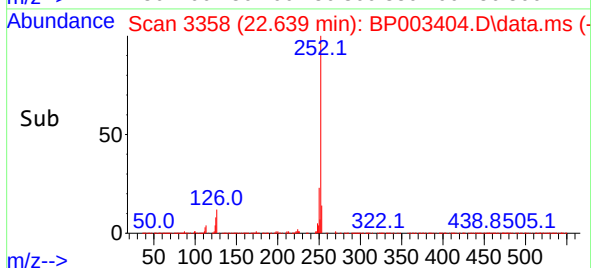
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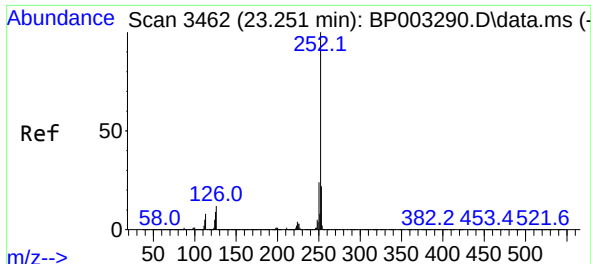


#89
Benzo(k)fluoranthene
Concen: 7.73 ng m
RT: 22.639 min Scan# 3358
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55



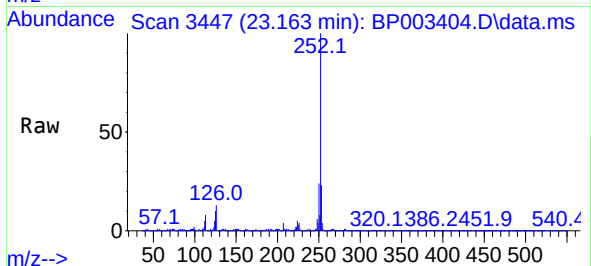
Tgt Ion:252 Resp: 393072
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 9.3 7.4 11.2





#90
Benzo(a)pyrene
Concen: 20.31 ng
RT: 23.163 min Scan# 3447
Delta R.T. -0.012 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

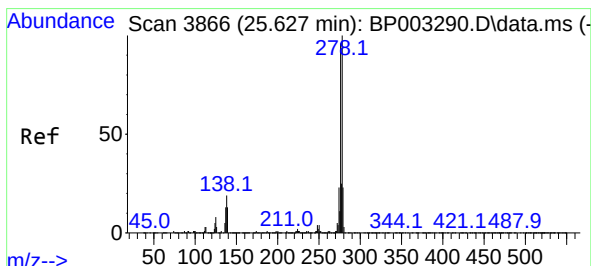
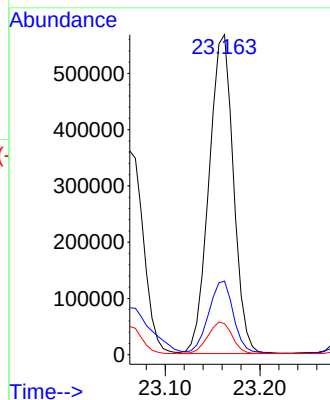
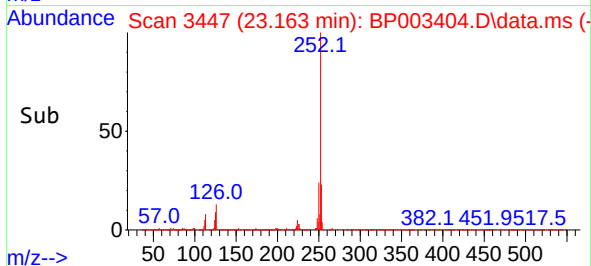
Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL



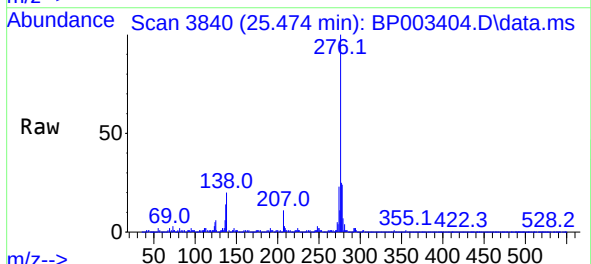
Tgt Ion:252 Resp: 1016007
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 9.7 8.2 12.4

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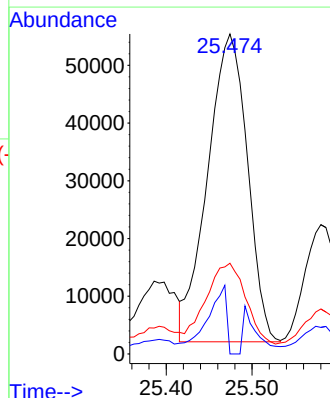
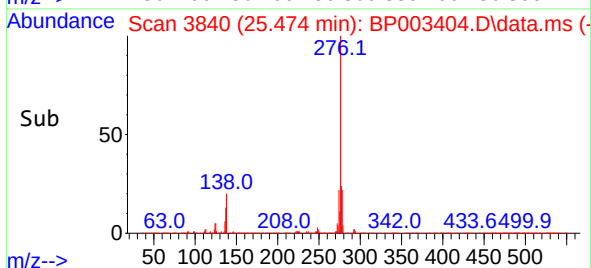
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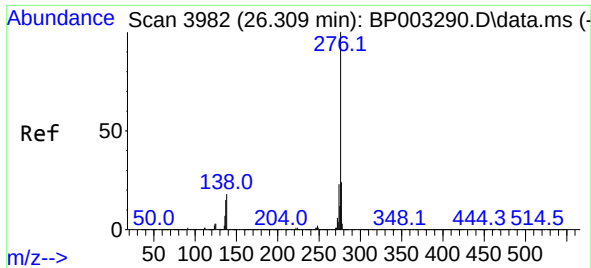


#91
Dibenzo(a,h)anthracene
Concen: 3.27 ng m
RT: 25.474 min Scan# 3840
Delta R.T. -0.035 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55



Tgt Ion:278 Resp: 171841
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6#
279 28.4 19.0 28.6





#92
Benzo(g,h,i)perylene
Concen: 11.39 ng
RT: 26.156 min Scan# 3956
Delta R.T. -0.029 min
Lab File: BP003404.D
Acq: 29 Sep 2020 17:55

Tgt Ion:	276	Resp:	597341
Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.6
138	20.7	16.6	24.8

Instrument :
BNA_P
ClientSampleId :
B-4(12-14)DL

Manual Integrations
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