

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
 Data File : BP003413.D
 Acq On : 29 Sep 2020 23:02
 Operator : CG/JU
 Sample : L4172-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-7(9-11)

Manual Integrations
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Quant Time: Sep 30 01:21:57 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	7.545	152	92754	20.00	ng	0.00
21) Naphthalene-d8	10.322	136	405233	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	252851	20.00	ng	-0.01
64) Phenanthrene-d10	16.963	188	562505	20.00	ng	# 0.00
76) Chrysene-d12	21.080	240	502991	20.00	ng	0.00
86) Perylene-d12	23.274	264	633098	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.157	112	557820	105.01	ng	0.00
7) Phenol-d6	6.751	99	737599	104.17	ng	0.00
23) Nitrobenzene-d5	8.692	82	485776	70.42	ng	-0.01
42) 2,4,6-Tribromophenol	15.704	330	291040	75.47	ng	0.00
45) 2-Fluorobiphenyl	12.816	172	945583	54.69	ng	0.00
79) Terphenyl-d14	19.545	244	1314663	54.46	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.775	94	24128	3.57	ng	# 68
20) 3+4-Methylphenols	8.357	107	25297	3.89	ng	92
27) 2,4-Dimethylphenol	9.539	122	12321	2.31	ng	93
31) Naphthalene	10.375	128	1866049	87.17	ng	99
37) 2-Methylnaphthalene	11.998	142	413210	26.65	ng	97
38) 1-Methylnaphthalene	12.222	142	272036	18.48	ng	99
46) 1,1'-Biphenyl	13.028	154	154053	8.17	ng	98
49) Acenaphthylene	13.916	152	834974	34.99	ng	99
50) Dimethylphthalate	13.663	163	173736	8.60	ng	100
52) Acenaphthene	14.263	154	567806	39.10	ng	99
55) Dibenzofuran	14.604	168	1015988	43.84	ng	95
58) Fluorene	15.257	166	1033862	56.48	ng	99
71) Phenanthrene	17.021	178	8398354	274.41	ng	96
72) Anthracene	17.104	178	2797819	92.76	ng	100
73) Carbazole	17.368	167	1656896	57.83	ng	99
75) Fluoranthene	19.015	202	10446919	271.48	ng	96
78) Pyrene	19.362	202	8734213	278.44	ng	96
81) Benzo(a)anthracene	21.068	228	5845569	179.78	ng	95
83) Chrysene	21.121	228	4857065m	155.48	ng	
87) Indeno(1,2,3-cd)pyrene	25.527	276	3342015	69.65	ng	# 94
88) Benzo(b)fluoranthene	22.633	252	6894259	172.45	ng	97
89) Benzo(k)fluoranthene	22.668	252	2092921m	54.62	ng	
90) Benzo(a)pyrene	23.198	252	4838215m	128.34	ng	
91) Dibenzo(a,h)anthracene	25.515	278	964470	24.36	ng	93
92) Benzo(g,h,i)perylene	26.215	276	3109364	78.65	ng	96

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

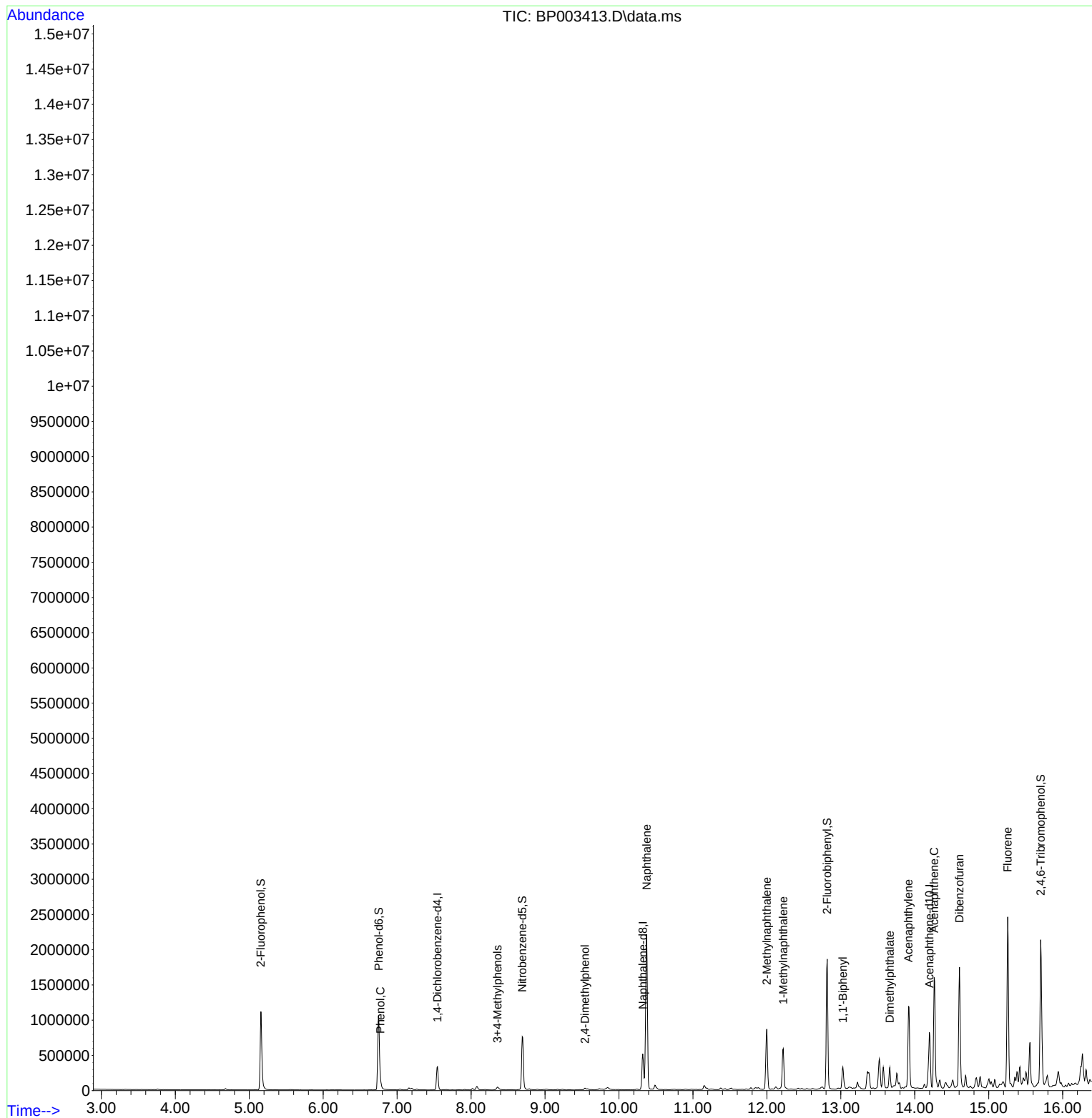
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
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Instrument :
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ClientSampleId :
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Quant Time: Sep 30 01:21:57 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
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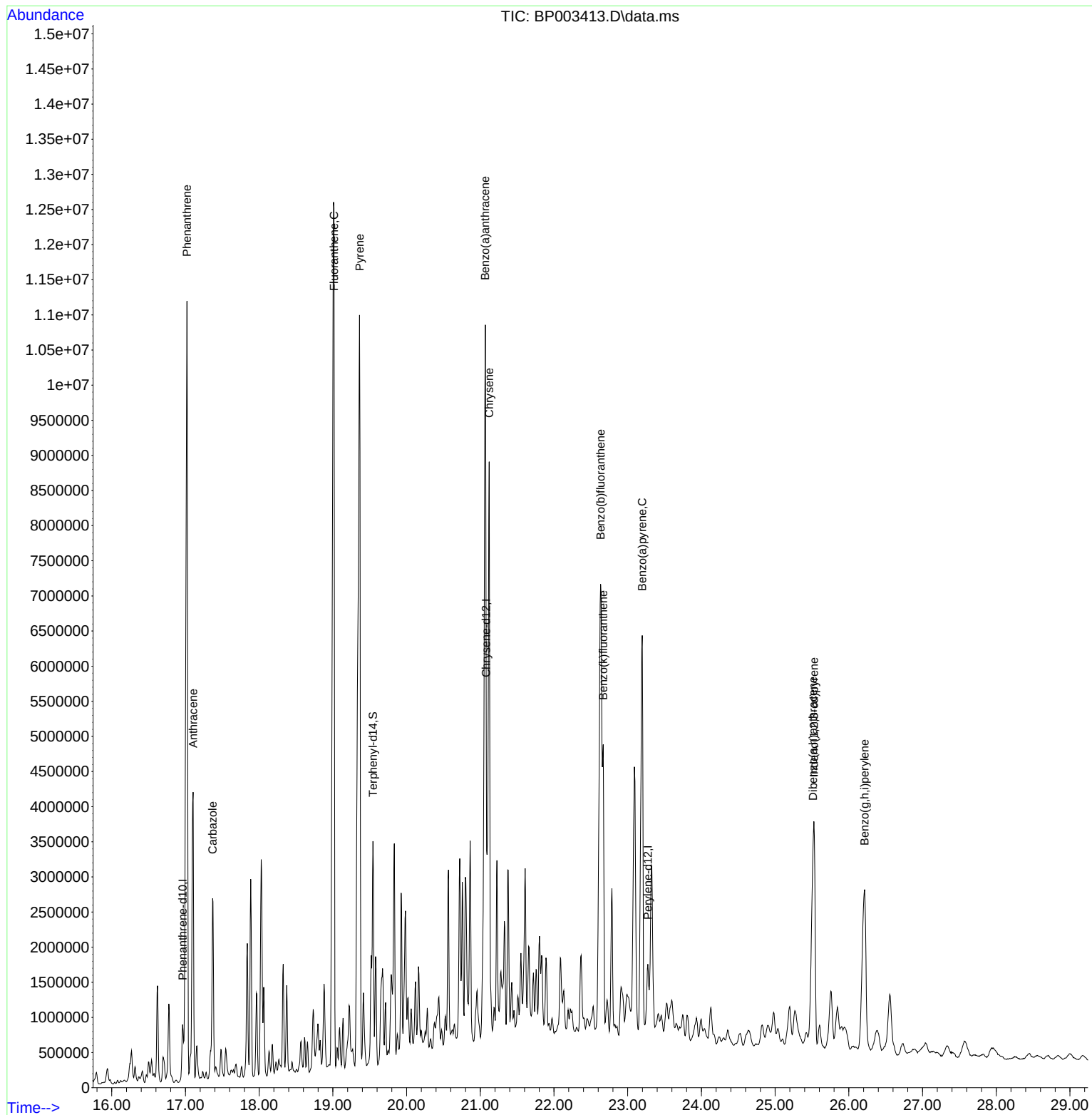
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003413.D
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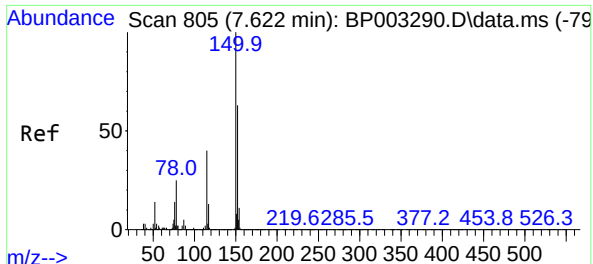
Instrument :
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B-7(9-11)

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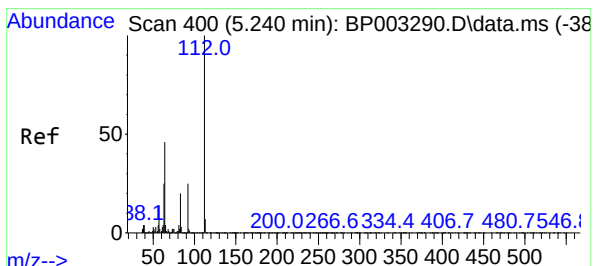
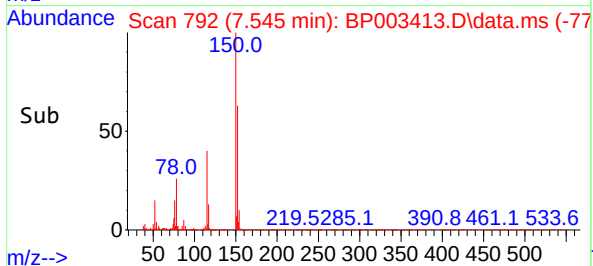
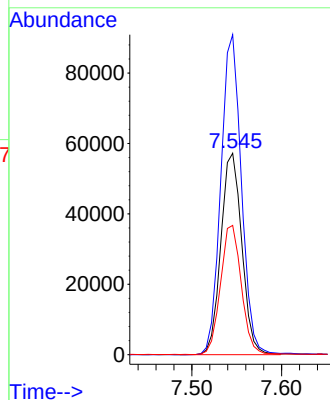
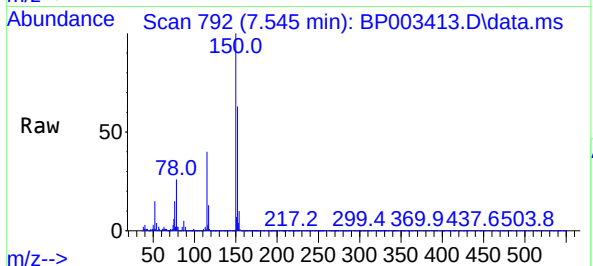
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.545 min Scan# 792
Delta R.T. -0.001 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

Tgt Ion:	152	Resp:	92754
Ion	Ratio	Lower	Upper
152	100		
150	158.9	123.8	185.6
115	64.2	43.8	65.6

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)

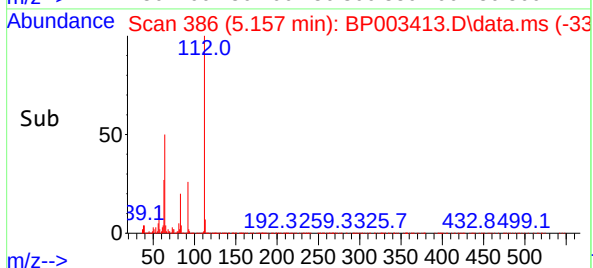
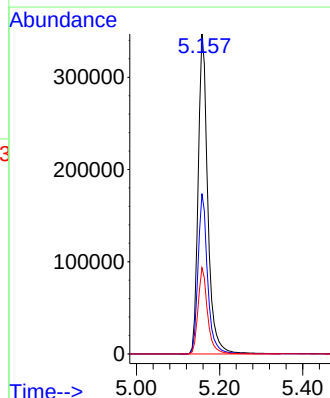
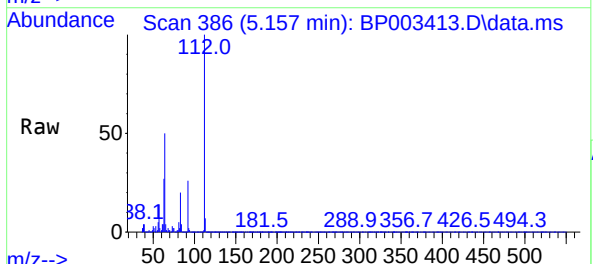
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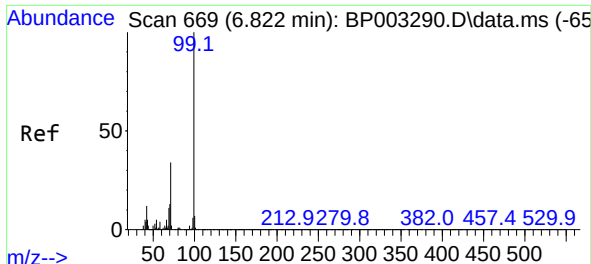
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#5
2-Fluorophenol
Concen: 105.01 ng
RT: 5.157 min Scan# 386
Delta R.T. -0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

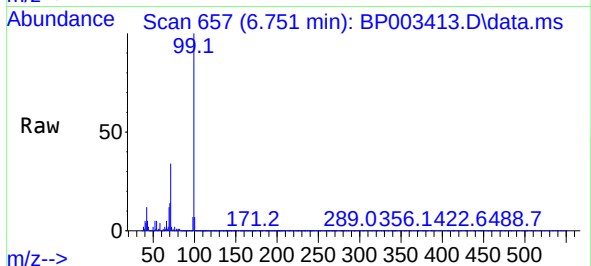
Tgt Ion:	112	Resp:	557820
Ion	Ratio	Lower	Upper
112	100		
64	50.1	32.8	49.2#
63	26.9	17.0	25.4#





#7
Phenol-d6
Concen: 104.17 ng
RT: 6.751 min Scan# 657
Delta R.T. -0.000 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

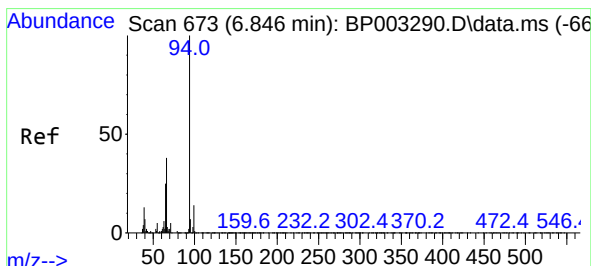
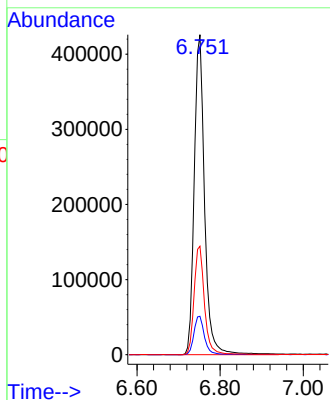
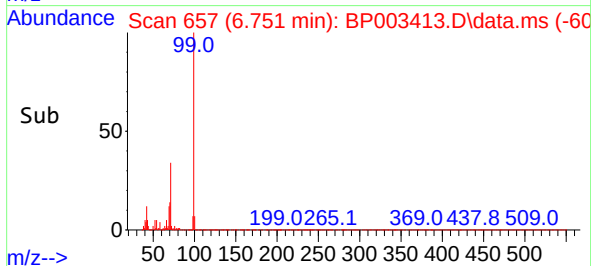
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)



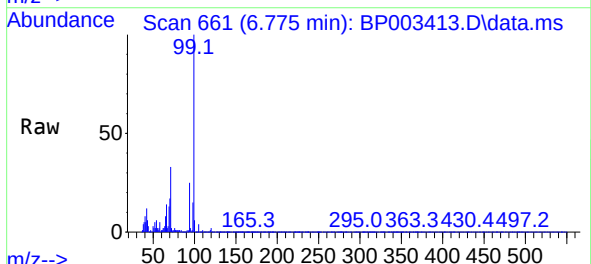
Tgt Ion: 99 Resp: 737599
Ion Ratio Lower Upper
99 100
42 12.0 8.6 13.0
71 33.9 23.4 35.2

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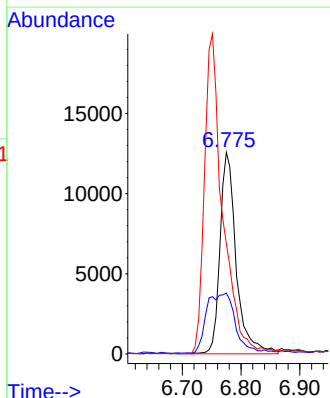
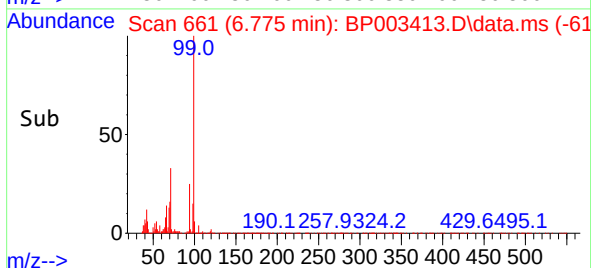
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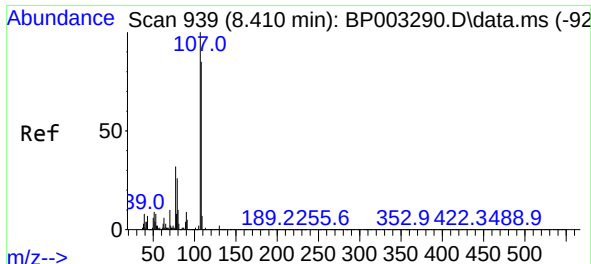


#10
Phenol
Concen: 3.57 ng
RT: 6.775 min Scan# 661
Delta R.T. -0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02



Tgt Ion: 94 Resp: 24128
Ion Ratio Lower Upper
94 100
65 30.1 2.3 42.3
66 54.7 10.9 50.9#





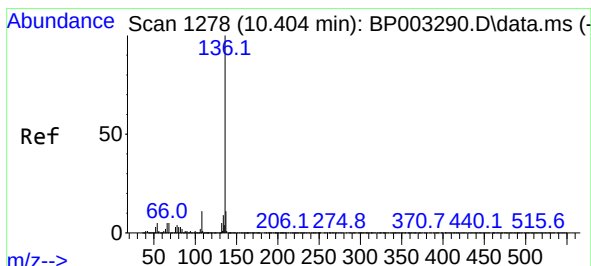
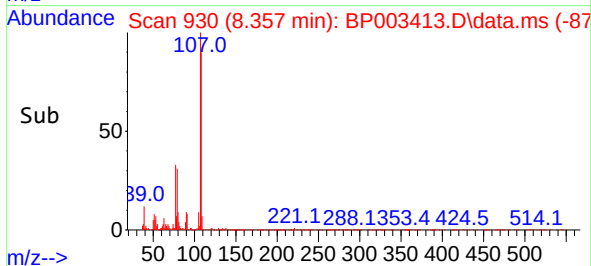
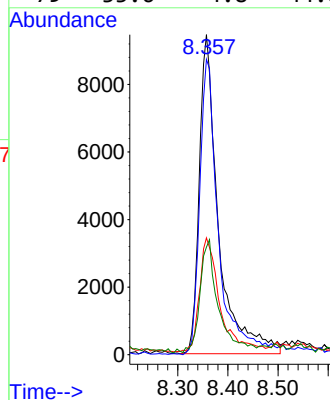
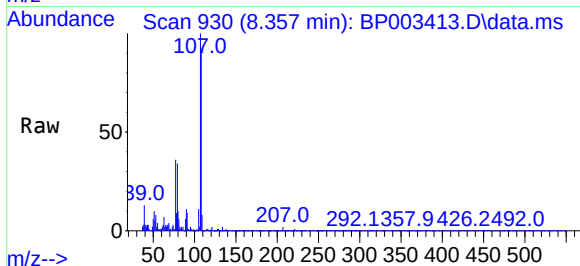
#20
3+4-Methylphenols
Concen: 3.89 ng
RT: 8.357 min Scan# 930
Delta R.T. 0.012 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

Tgt Ion:	107	Resp:	25297
Ion	Ratio	Lower	Upper
107	100		
108	92.3	69.0	109.0
77	36.5	8.5	48.5
79	33.6	4.8	44.8

Instrument :
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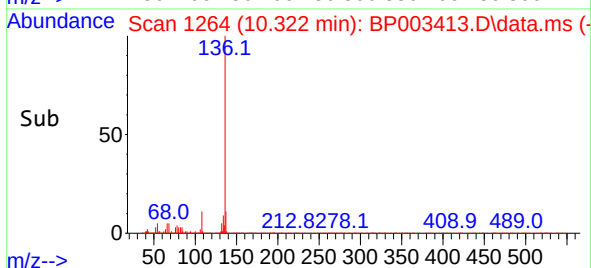
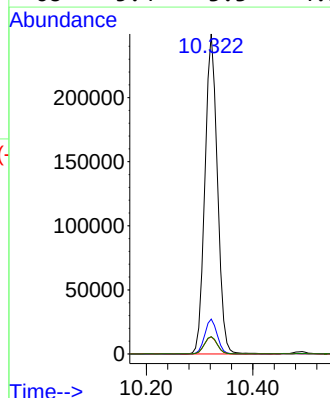
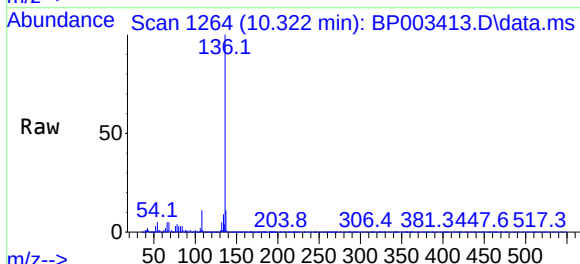
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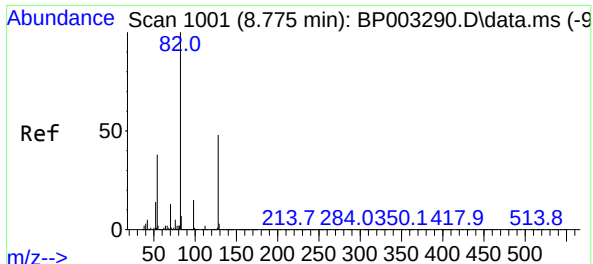
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.322 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

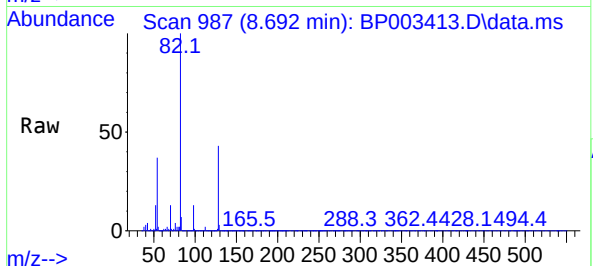
Tgt Ion:	136	Resp:	405233
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	5.4	3.6	5.4
68	5.4	3.3	4.9#





#23
Nitrobenzene-d5
Concen: 70.42 ng
RT: 8.692 min Scan# 987
Delta R.T. -0.012 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

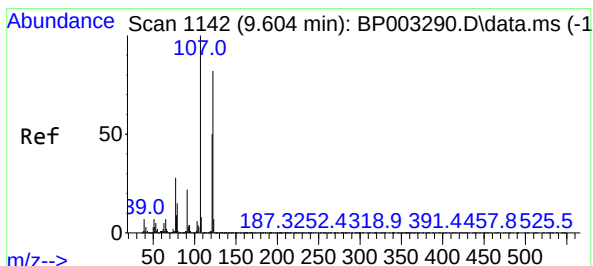
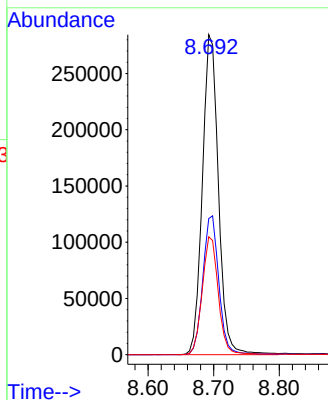
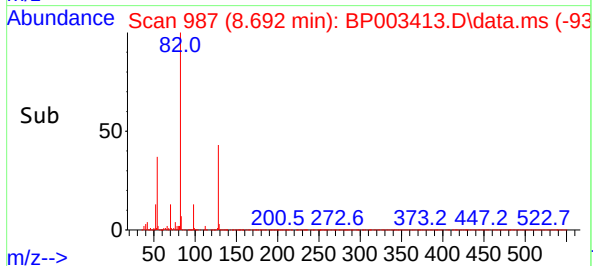
Instrument :
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ClientSampleId :
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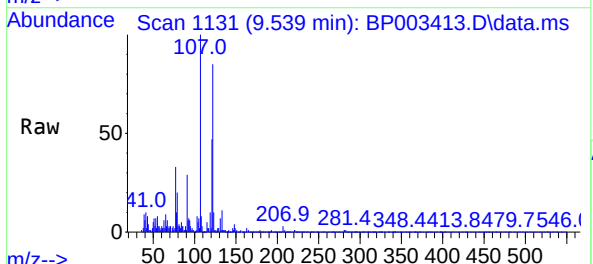
Tgt Ion: 82 Resp: 485776
Ion Ratio Lower Upper
82 100
128 42.5 45.6 68.4#
54 36.9 30.1 45.1

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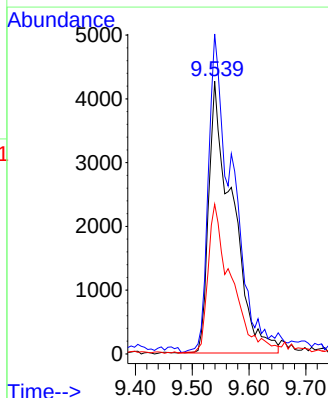
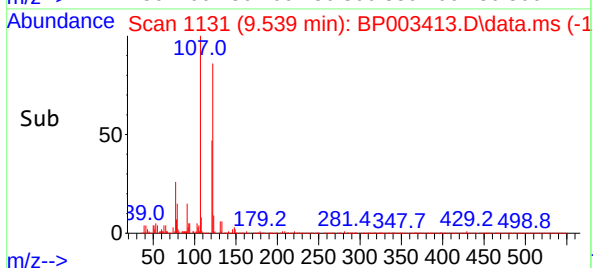
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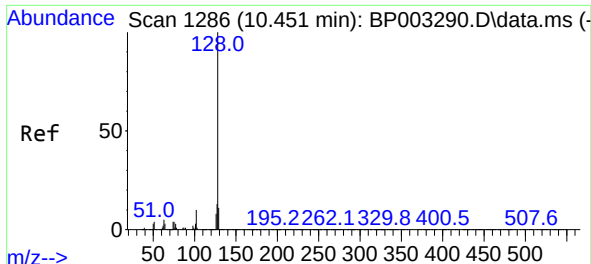


#27
2,4-Dimethylphenol
Concen: 2.31 ng
RT: 9.539 min Scan# 1131
Delta R.T. 0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02



Tgt Ion: 122 Resp: 12321
Ion Ratio Lower Upper
122 100
107 117.3 87.3 130.9
121 54.9 47.3 70.9





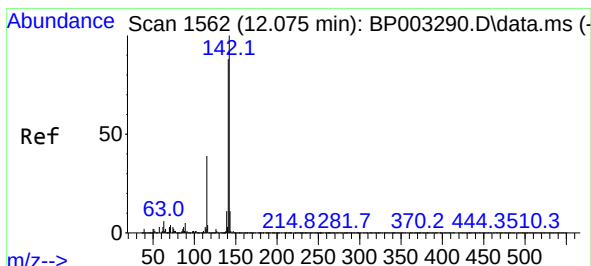
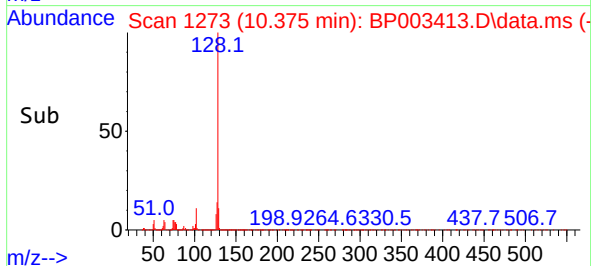
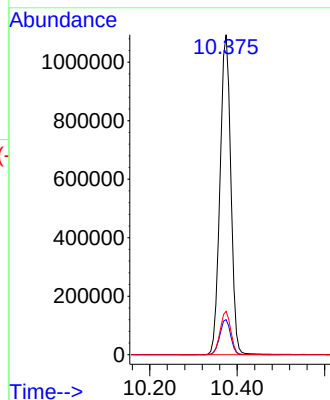
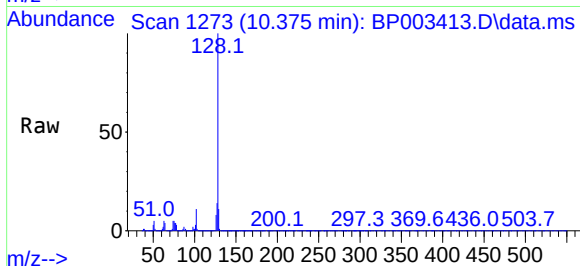
#31
Naphthalene
Concen: 87.17 ng
RT: 10.375 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

Tgt Ion:128 Resp: 1866049
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.5 10.6 15.8

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)

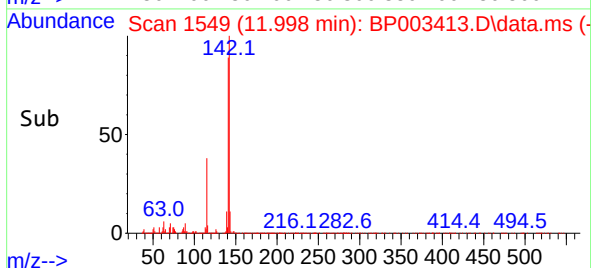
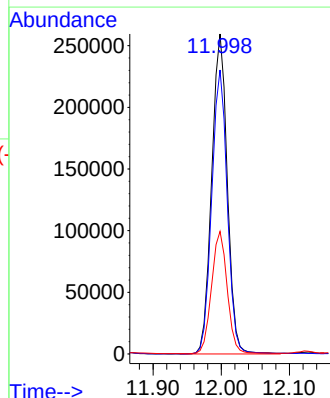
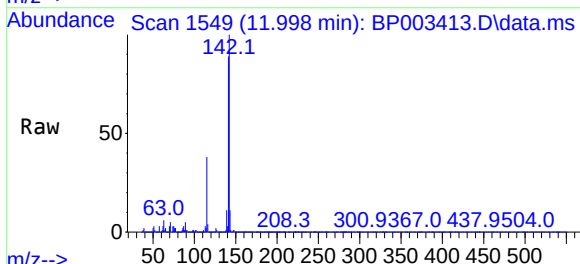
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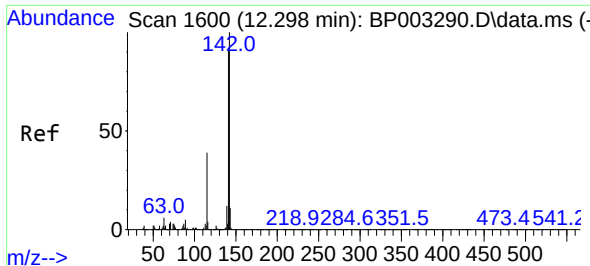
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#37
2-Methylnaphthalene
Concen: 26.65 ng
RT: 11.998 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

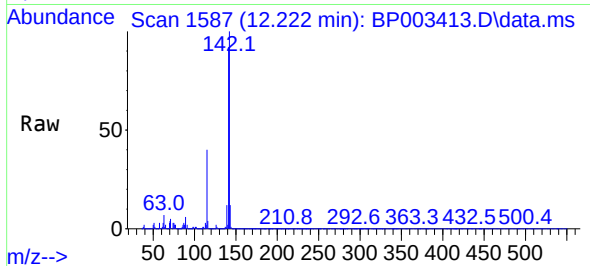
Tgt Ion:142 Resp: 413210
Ion Ratio Lower Upper
142 100
141 88.8 71.4 107.2
115 38.3 25.8 38.6





#38
1-Methylnaphthalene
Concen: 18.48 ng
RT: 12.222 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

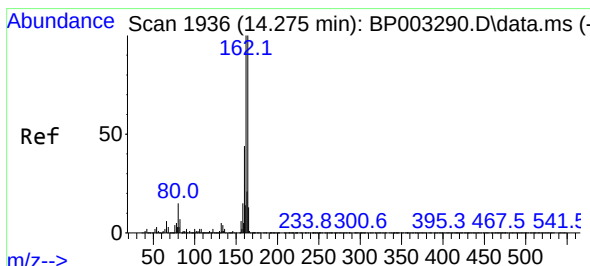
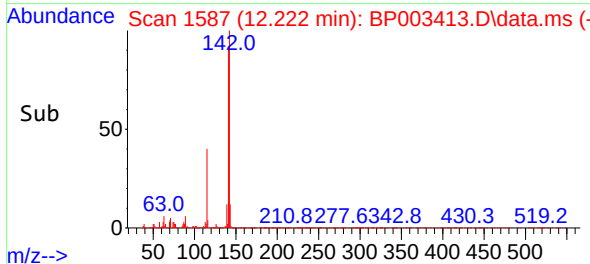
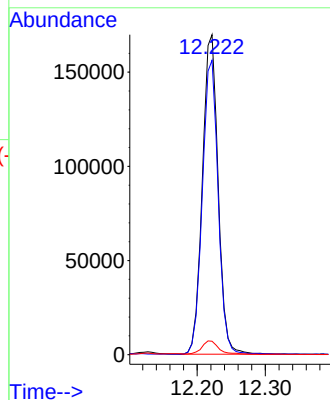
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)



Tgt Ion:142 Resp: 272036
Ion Ratio Lower Upper
142 100
141 92.0 74.4 111.6
116 4.2 2.9 4.3

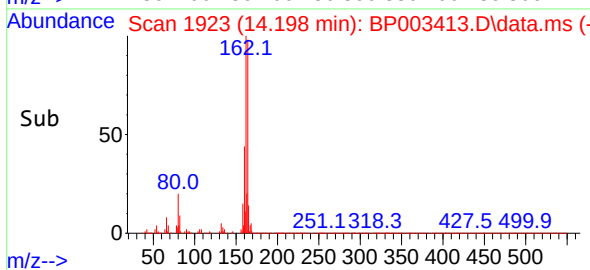
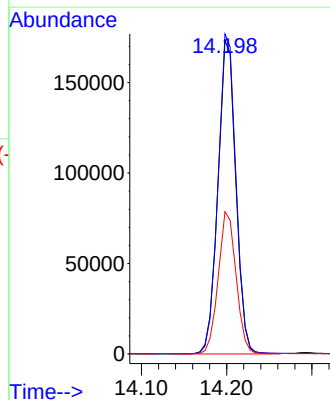
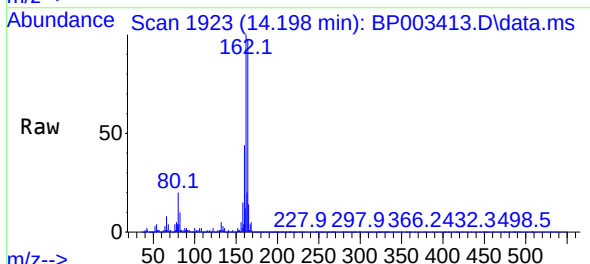
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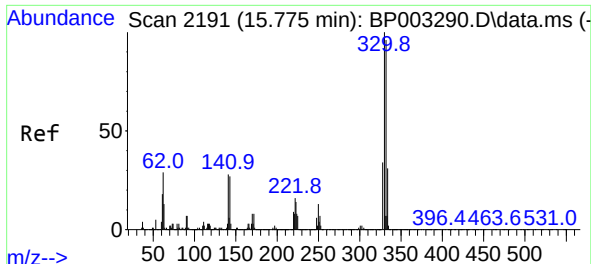
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

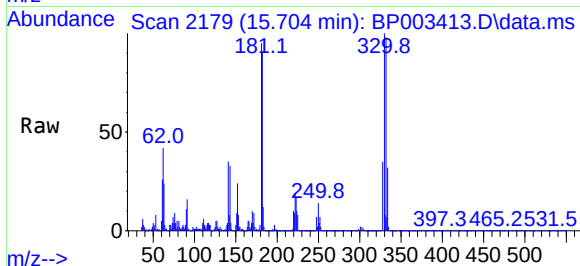
Tgt Ion:164 Resp: 252851
Ion Ratio Lower Upper
164 100
162 102.0 79.4 119.2
160 45.4 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 75.47 ng
RT: 15.704 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

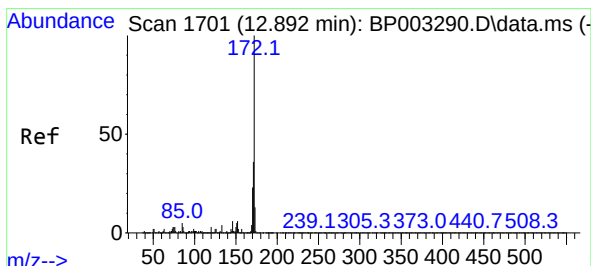
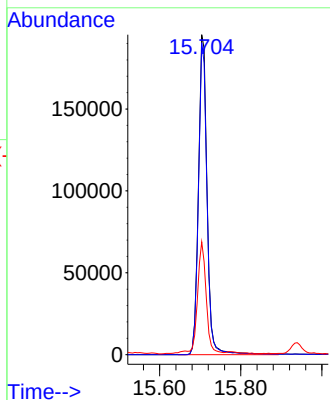
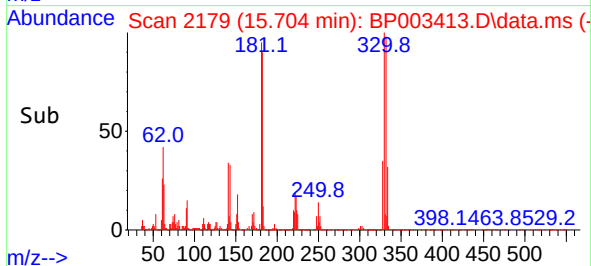
Instrument :
BNA_P
ClientSampleId :
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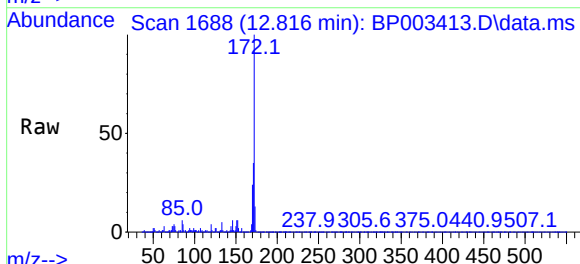
Tgt Ion:330 Resp: 291040
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 35.5 23.4 35.2#

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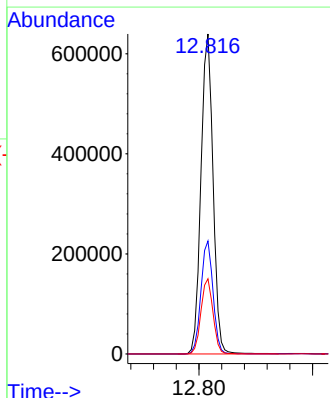
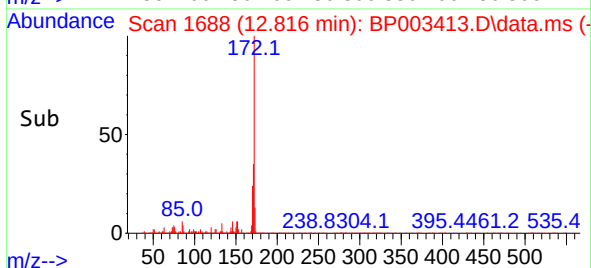
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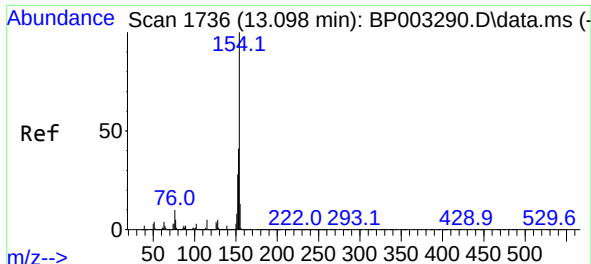


#45
2-Fluorobiphenyl
Concen: 54.69 ng
RT: 12.816 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02



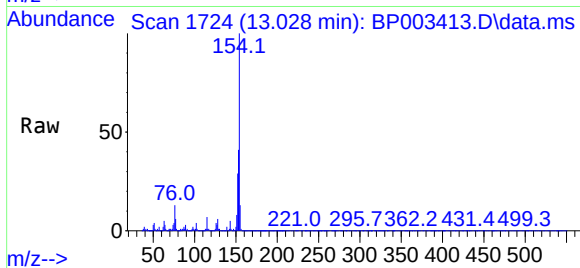
Tgt Ion:172 Resp: 945583
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.5 19.2 28.8





#46
1,1'-Biphenyl
Concen: 8.17 ng
RT: 13.028 min Scan# 1724
Delta R.T. -0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

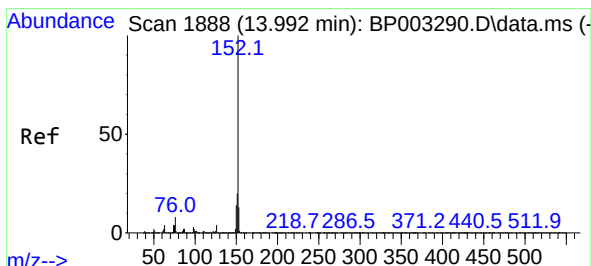
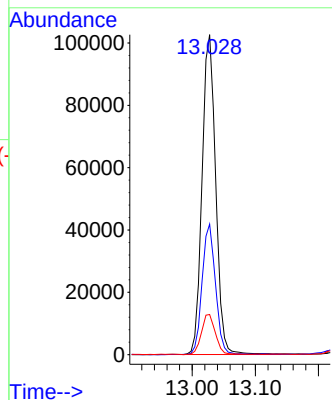
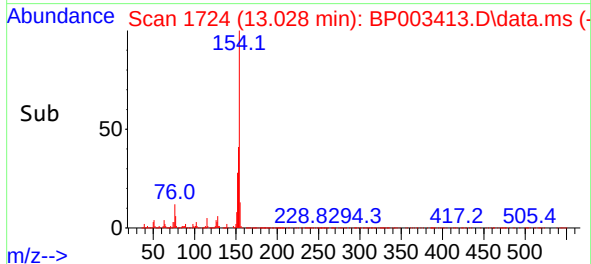
Instrument :
BNA_P
ClientSampleId :
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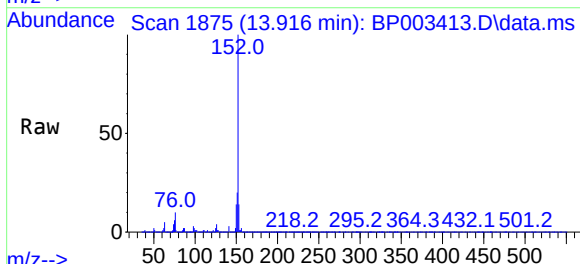
Tgt Ion:154 Resp: 154053
Ion Ratio Lower Upper
154 100
153 40.8 20.4 60.4
76 12.6 0.0 29.3

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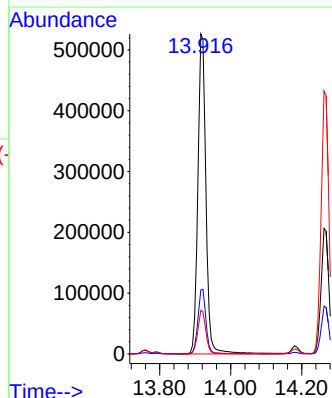
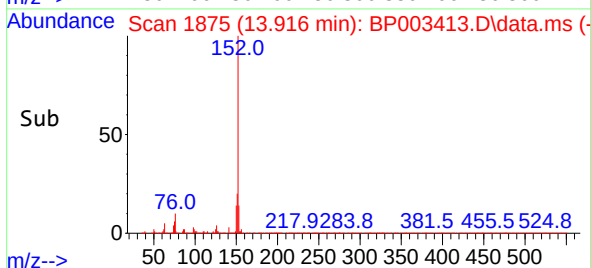
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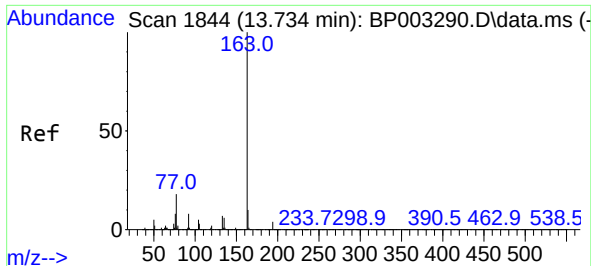


#49
Acenaphthylene
Concen: 34.99 ng
RT: 13.916 min Scan# 1875
Delta R.T. -0.012 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

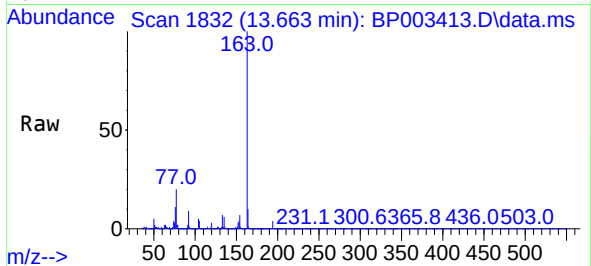


Tgt Ion:152 Resp: 834974
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 13.6 10.5 15.7

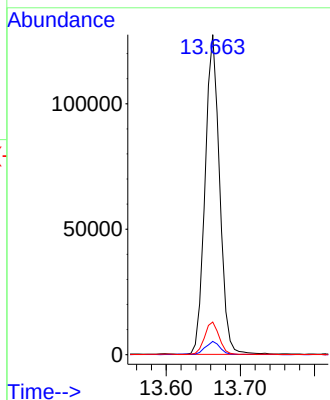
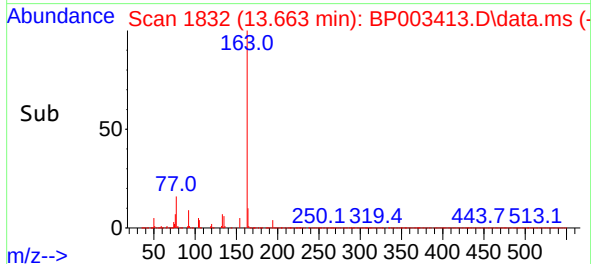




#50
Dimethylphthalate
Concen: 8.60 ng
RT: 13.663 min Scan# 1832
Delta R.T. -0.012 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02



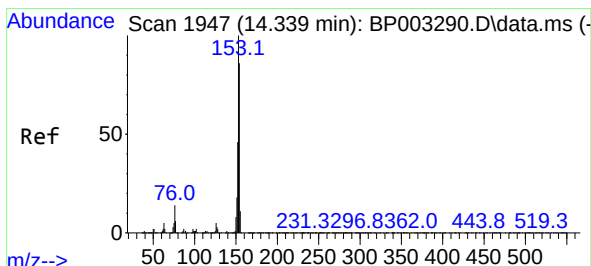
Tgt Ion:163 Resp: 173736
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.2 8.2 12.2



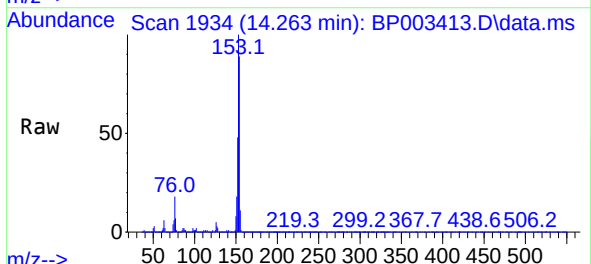
Instrument :
BNA_P
ClientSampleId :
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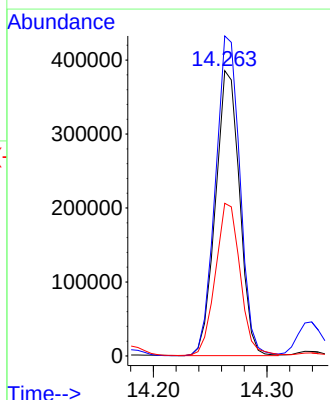
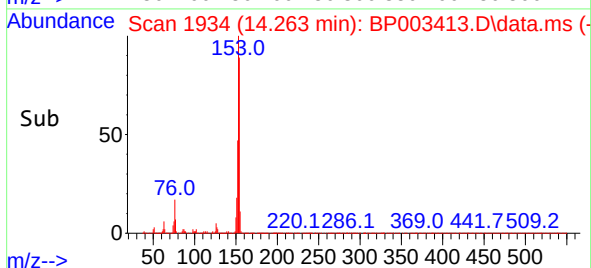
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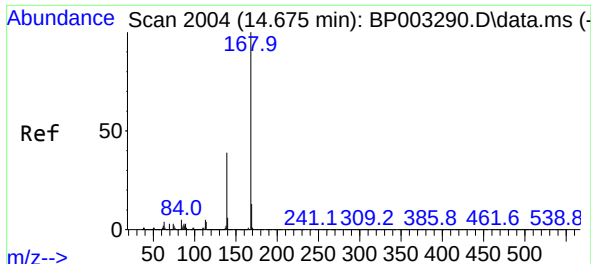


#52
Acenaphthene
Concen: 39.10 ng
RT: 14.263 min Scan# 1934
Delta R.T. -0.012 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02



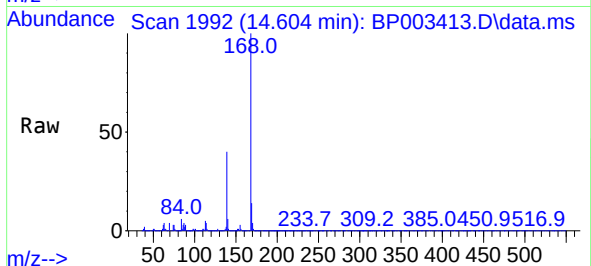
Tgt Ion:154 Resp: 567806
Ion Ratio Lower Upper
154 100
153 112.1 91.0 136.6
152 53.5 43.0 64.6





#55
Dibenzenofuran
Concen: 43.84 ng
RT: 14.604 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

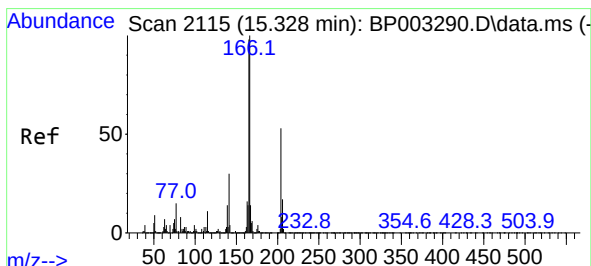
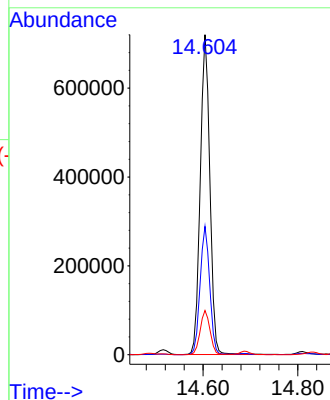
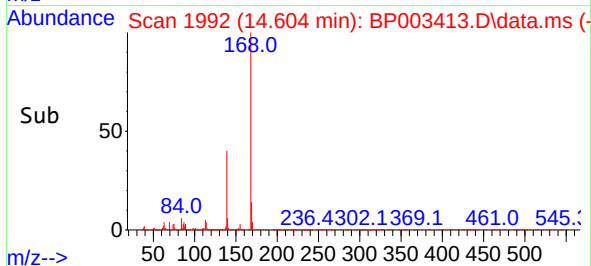
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)



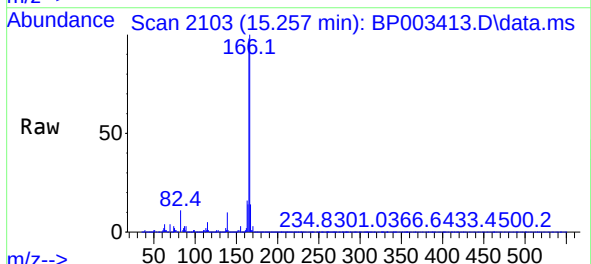
Tgt Ion:168 Resp: 1015988
Ion Ratio Lower Upper
168 100
139 40.1 29.1 43.7
169 13.8 10.4 15.6

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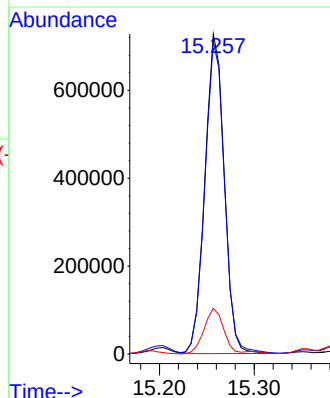
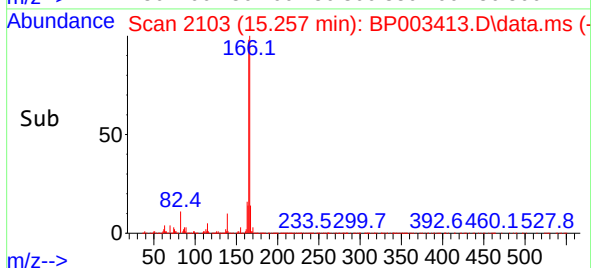
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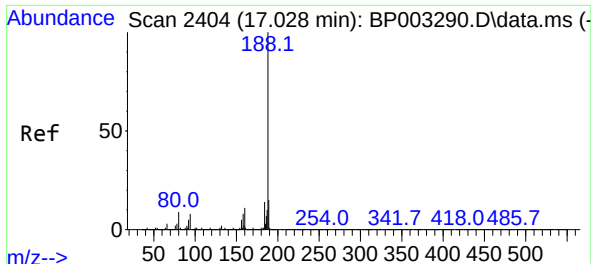


#58
Fluorene
Concen: 56.48 ng
RT: 15.257 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02



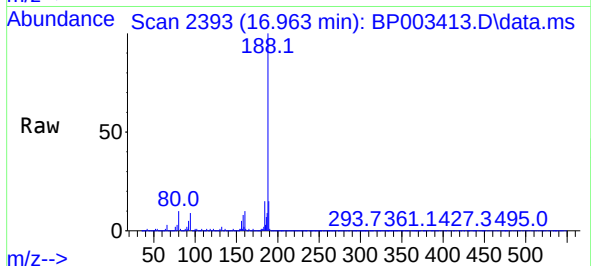
Tgt Ion:166 Resp: 1033862
Ion Ratio Lower Upper
166 100
165 97.8 77.8 116.8
167 14.3 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.963 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

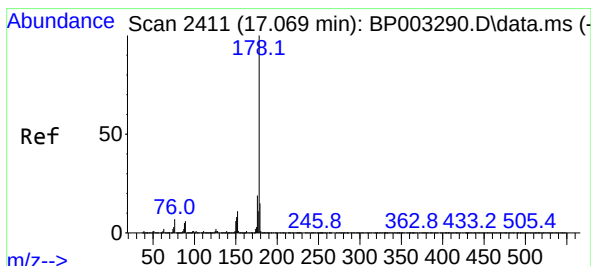
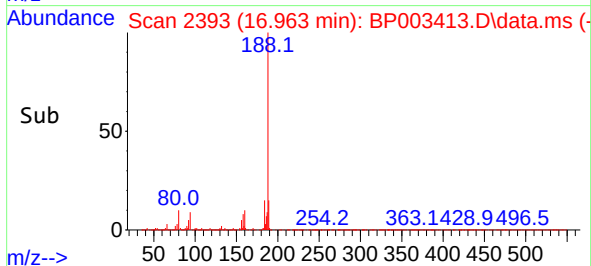
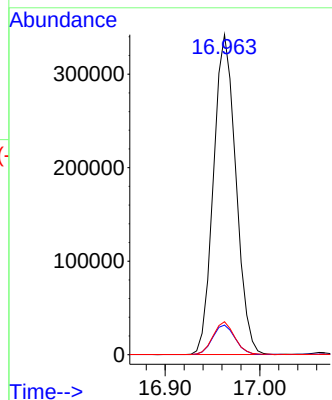
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:188 Resp: 562505
Ion Ratio Lower Upper
188 100
94 9.3 6.2 9.2#
80 10.3 6.2 9.2#

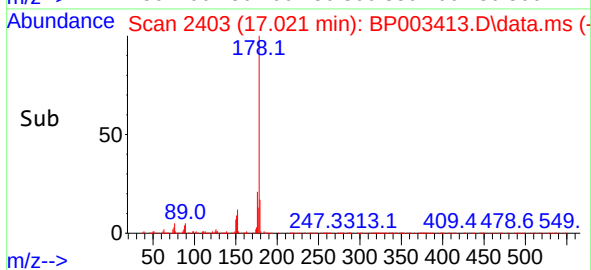
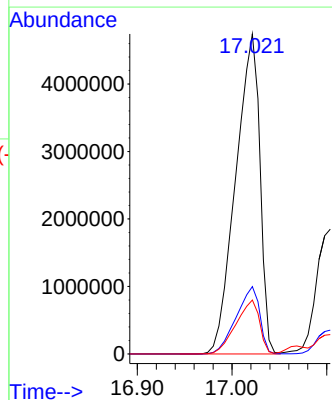
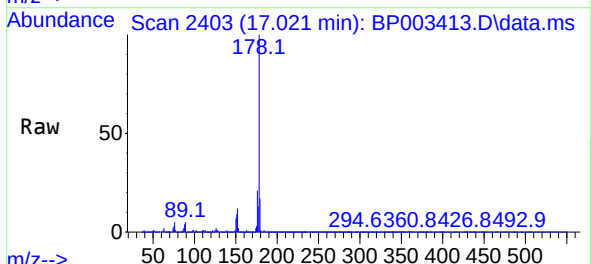
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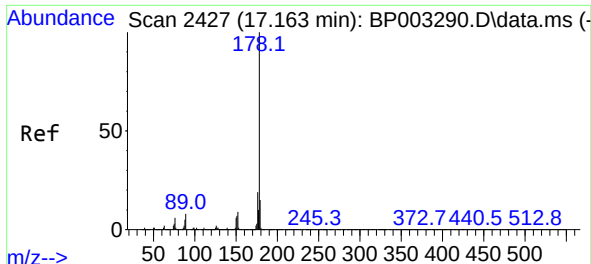
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#71
Phenanthrene
Concen: 274.41 ng
RT: 17.021 min Scan# 2403
Delta R.T. 0.012 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

Tgt Ion:178 Resp: 8398354
Ion Ratio Lower Upper
178 100
176 21.0 15.3 22.9
179 16.9 12.5 18.7



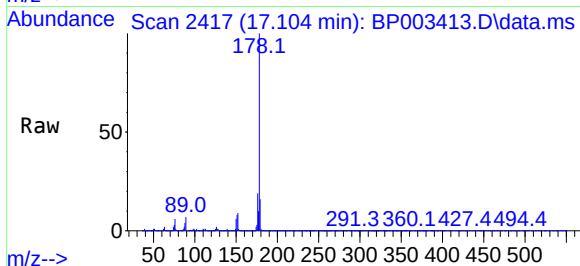


#72
 Anthracene
 Concen: 92.76 ng
 RT: 17.104 min Scan# 2417
 Delta R.T. 0.006 min
 Lab File: BP003413.D
 Acq: 29 Sep 2020 23:02

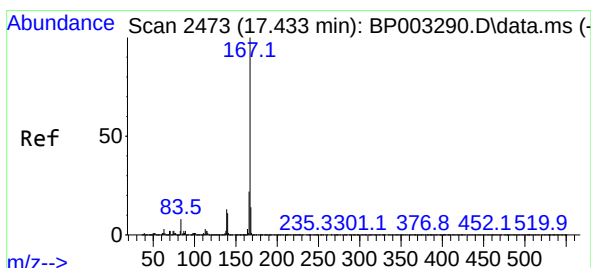
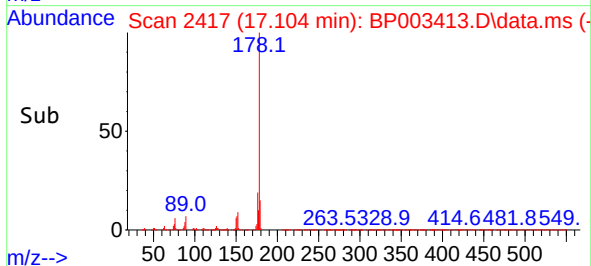
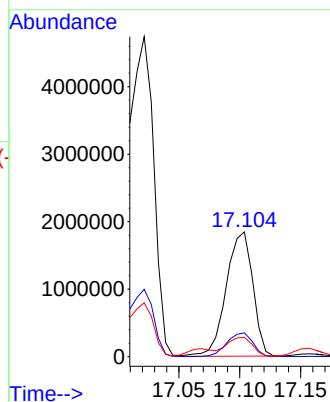
Instrument :
 BNA_P
 ClientSampleId :
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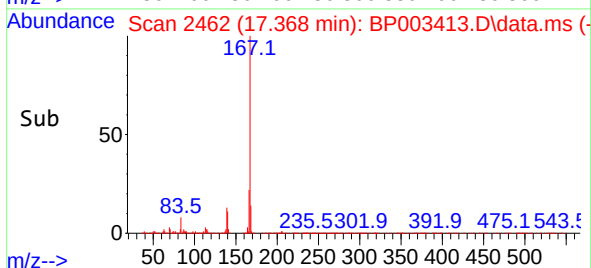
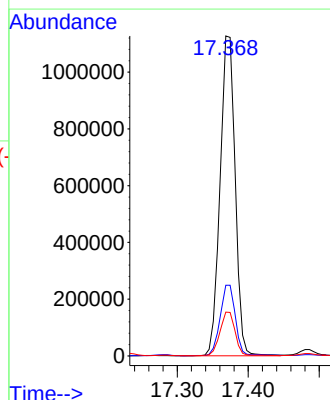
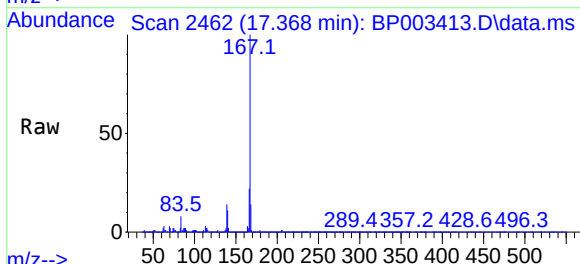


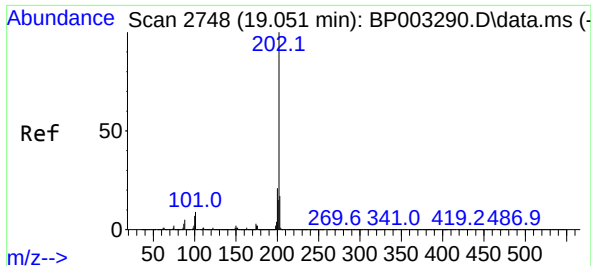
Tgt Ion:178 Resp: 2797819
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.0 22.4
 179 15.5 12.5 18.7



#73
 Carbazole
 Concen: 57.83 ng
 RT: 17.368 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BP003413.D
 Acq: 29 Sep 2020 23:02

Tgt Ion:167 Resp: 1656896
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.6 26.4
 139 13.7 10.2 15.4



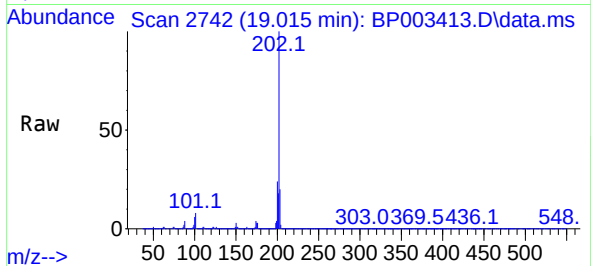


#75
Fluoranthene
Concen: 271.48 ng
RT: 19.015 min Scan# 2742
Delta R.T. 0.023 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

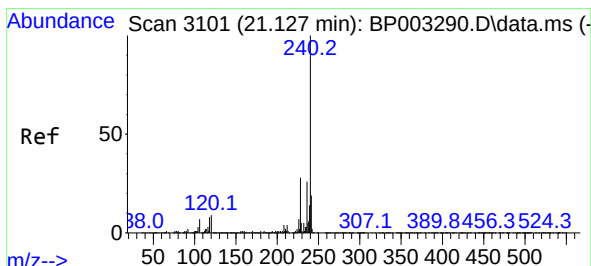
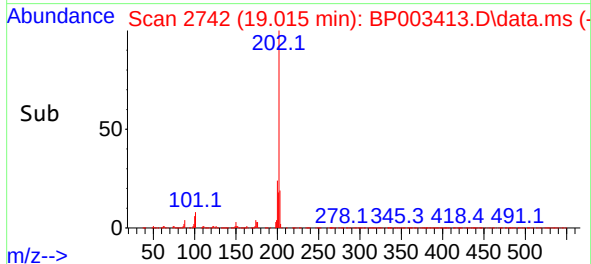
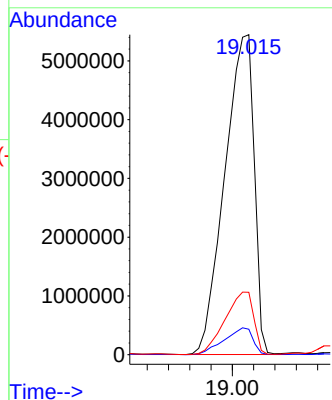
Instrument :
BNA_P
ClientSampleId :
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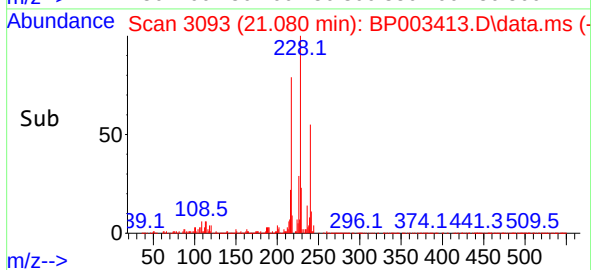
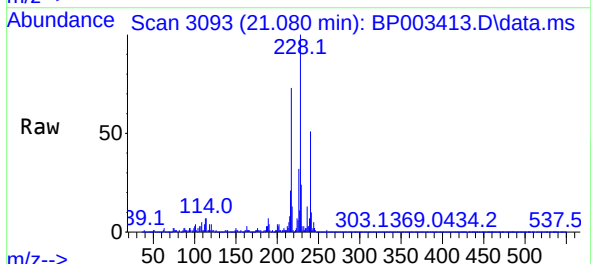
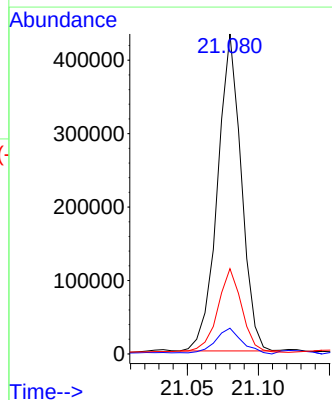


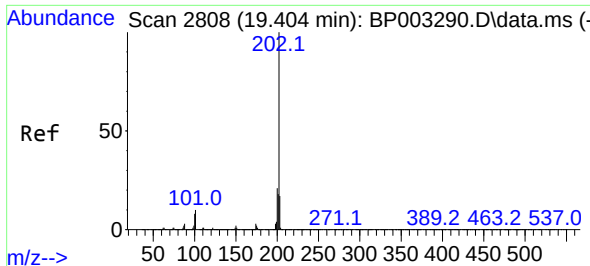
Tgt Ion:202 Resp:10446919
Ion Ratio Lower Upper
202 100
101 8.0 0.0 29.4
203 19.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.080 min Scan# 3093
Delta R.T. 0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

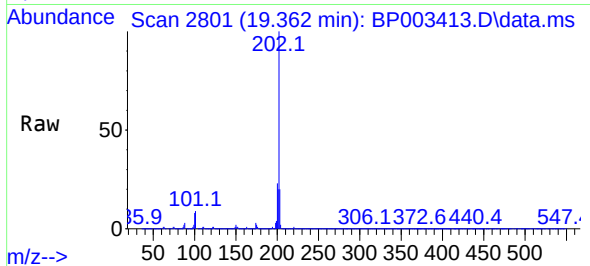
Tgt Ion:240 Resp: 502991
Ion Ratio Lower Upper
240 100
120 8.1 7.8 11.6
236 26.6 20.8 31.2





#78
Pyrene
Concen: 278.44 ng
RT: 19.362 min Scan# 2801
Delta R.T. 0.017 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

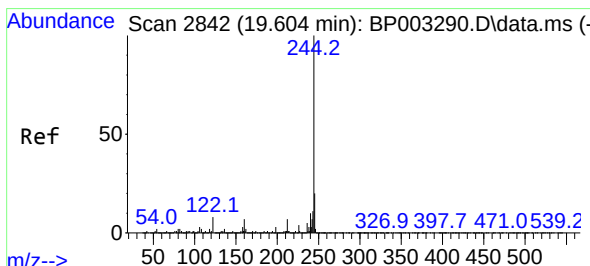
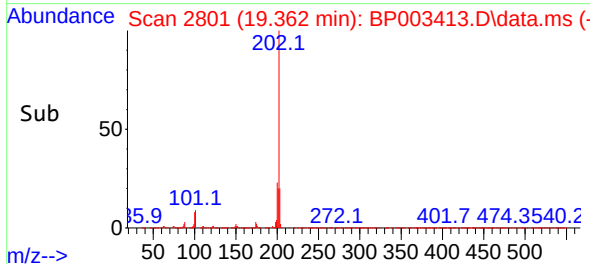
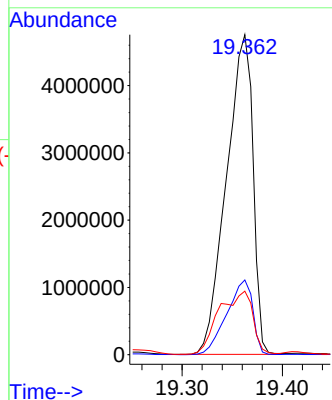
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:202 Resp: 8734213
Ion Ratio Lower Upper
202 100
200 23.3 17.1 25.7
203 19.8 14.2 21.2

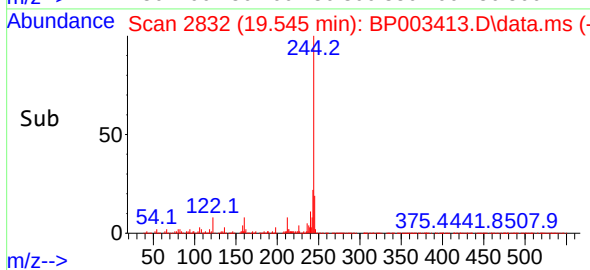
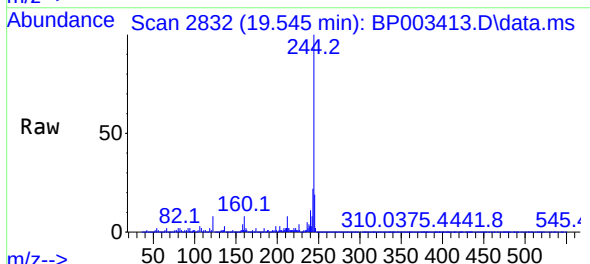
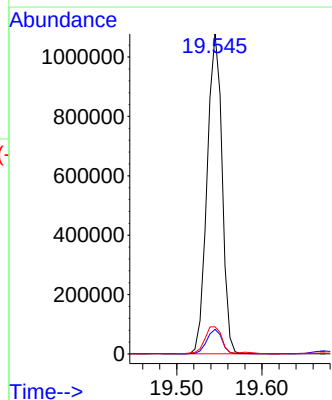
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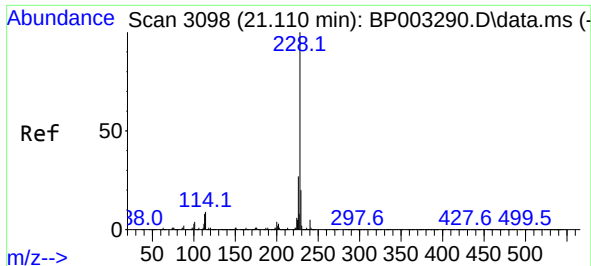
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#79
Terphenyl-d14
Concen: 54.46 ng
RT: 19.545 min Scan# 2832
Delta R.T. -0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

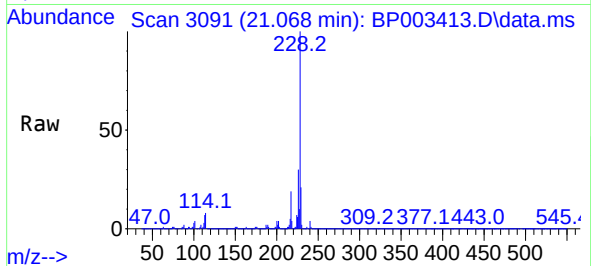
Tgt Ion:244 Resp: 1314663
Ion Ratio Lower Upper
244 100
212 7.7 5.8 8.6
122 8.5 7.8 11.8





#81
Benzo(a)anthracene
Concen: 179.78 ng
RT: 21.068 min Scan# 3091
Delta R.T. 0.012 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

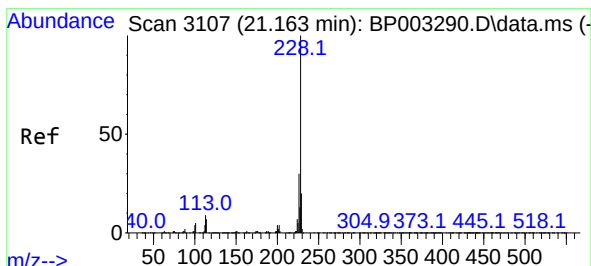
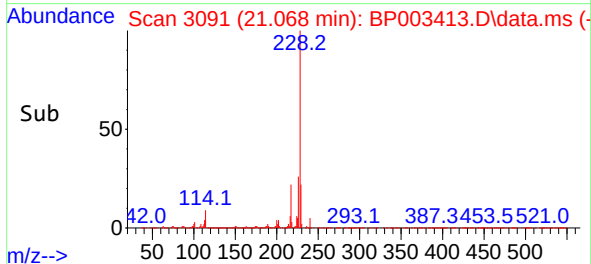
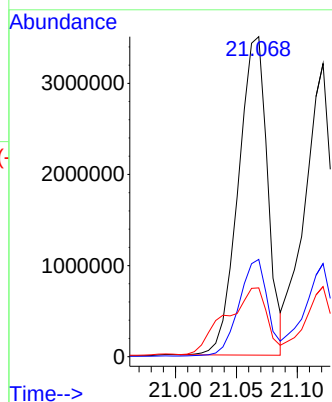
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)



Tgt Ion:228 Resp: 5845569
Ion Ratio Lower Upper
228 100
226 30.4 22.1 33.1
229 21.5 15.9 23.9

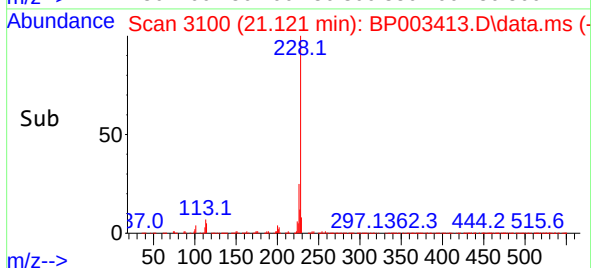
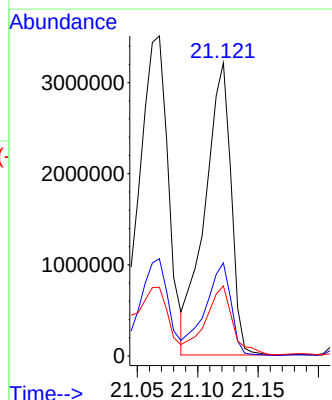
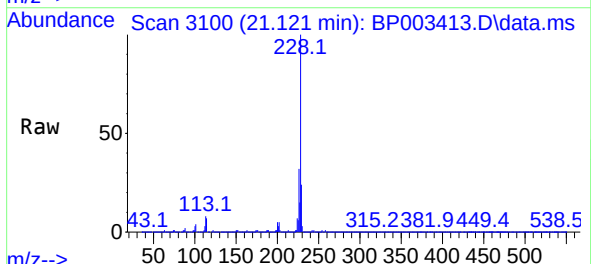
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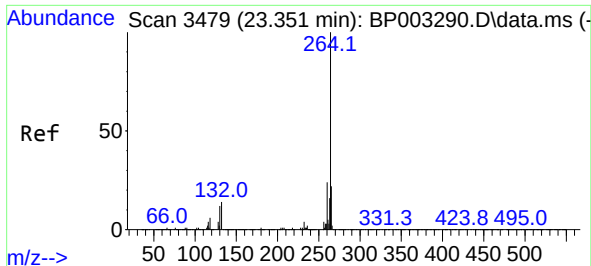
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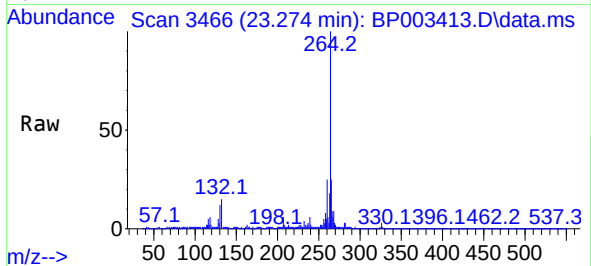
#83
Chrysene
Concen: 155.48 ng m
RT: 21.121 min Scan# 3100
Delta R.T. 0.012 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

Tgt Ion:228 Resp: 4857065
Ion Ratio Lower Upper
228 100
226 31.8 24.4 36.6
229 23.9 15.8 23.6#





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.274 min Scan# 3466
Delta R.T. 0.012 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02



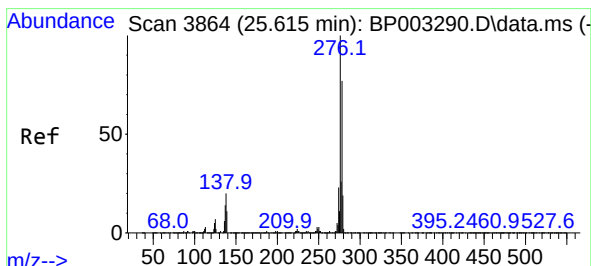
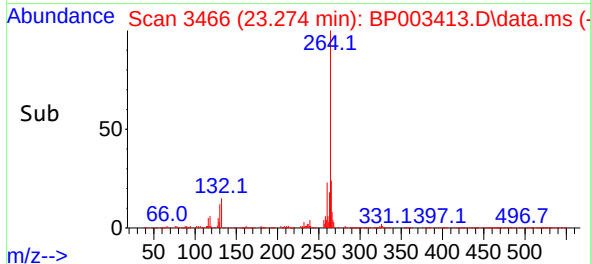
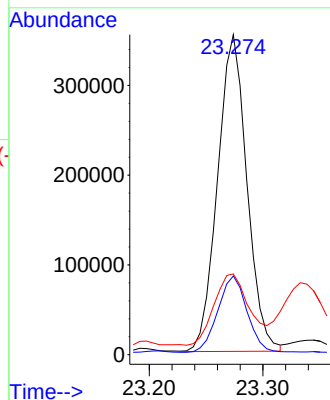
Tgt Ion: 264 Resp: 633098

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.8	28.2
265	25.3	17.4	26.2

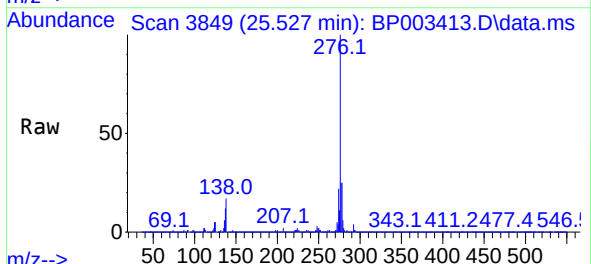
Instrument :
BNA_P
ClientSampled :
B-7(9-11)

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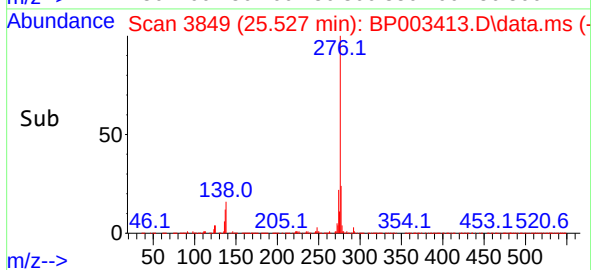
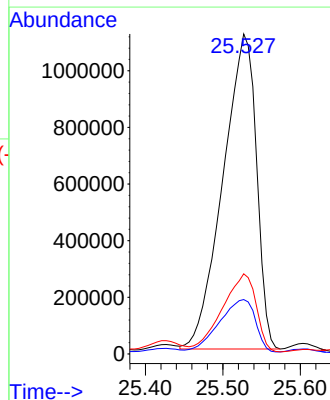


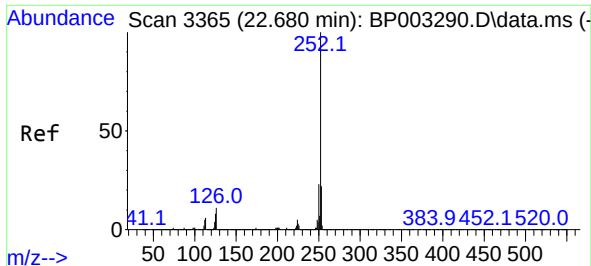
#87
Indeno(1,2,3-cd)pyrene
Concen: 69.65 ng
RT: 25.527 min Scan# 3849
Delta R.T. 0.023 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02



Tgt Ion: 276 Resp: 3342015

Ion	Ratio	Lower	Upper
276	100		
138	17.9	18.7	28.1#
277	25.2	20.4	30.6





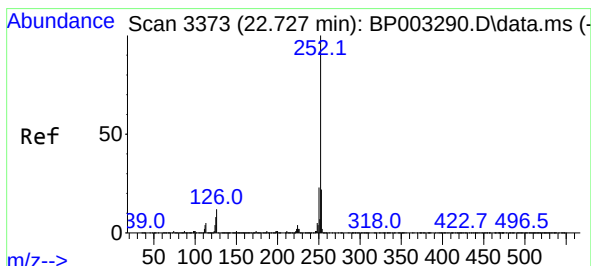
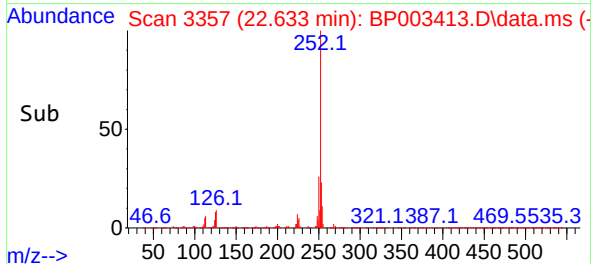
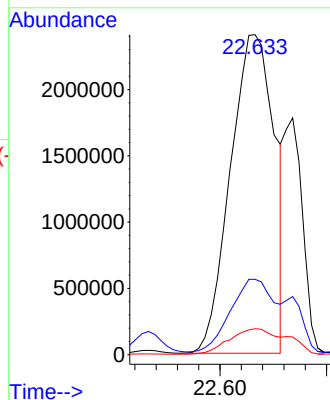
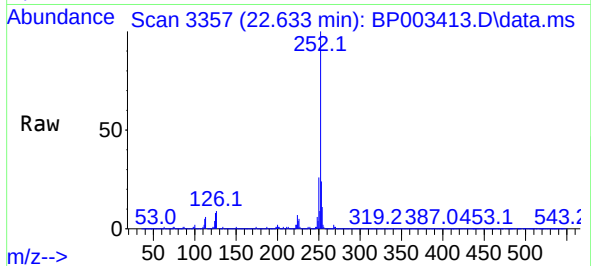
#88
Benzo(b)fluoranthene
Concen: 172.45 ng
RT: 22.633 min Scan# 3357
Delta R.T. 0.023 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

Tgt Ion:252 Resp: 6894259
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 8.1 7.3 10.9

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)

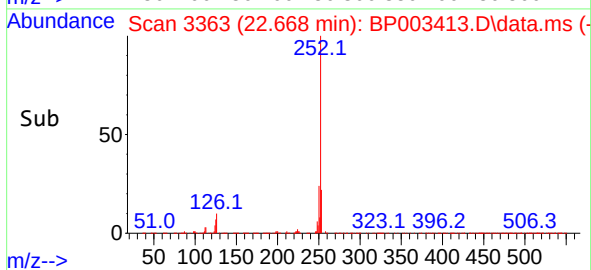
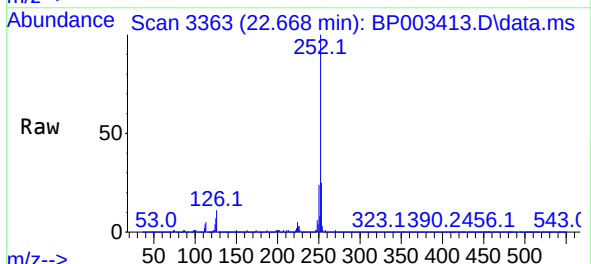
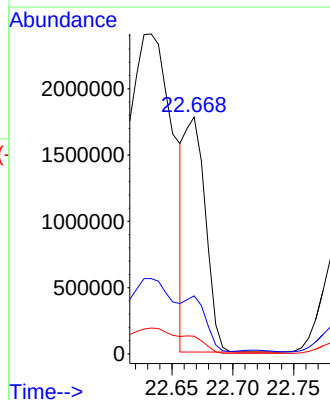
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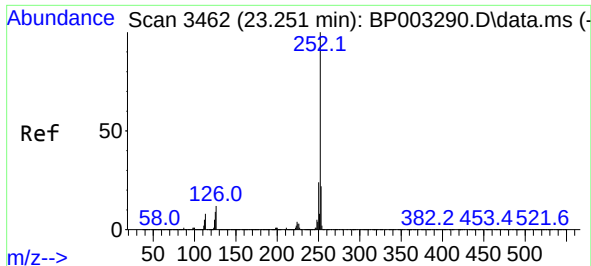
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#89
Benzo(k)fluoranthene
Concen: 54.62 ng m
RT: 22.668 min Scan# 3363
Delta R.T. 0.017 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

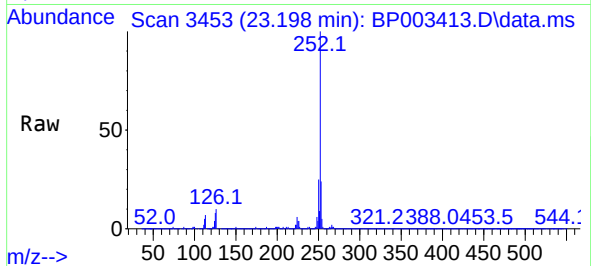
Tgt Ion:252 Resp: 2092921
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 7.5 7.4 11.2





#90
Benzo(a)pyrene
Concen: 128.34 ng m
RT: 23.198 min Scan# 3453
Delta R.T. 0.023 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

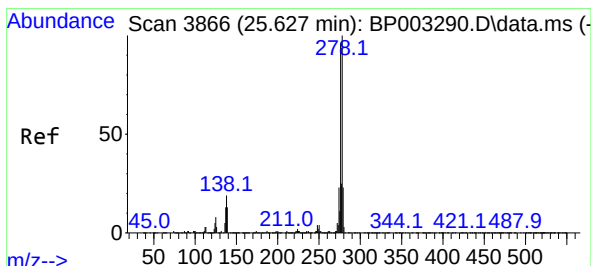
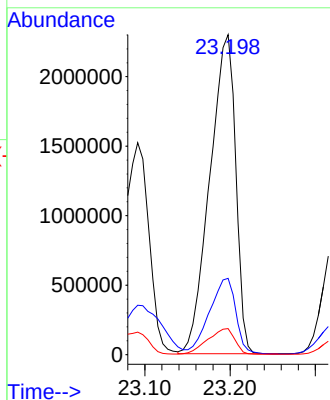
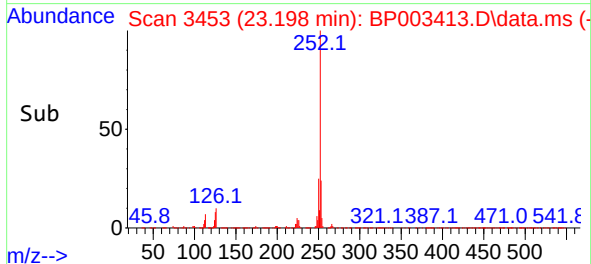
Instrument :
BNA_P
ClientSampleId :
B-7(9-11)



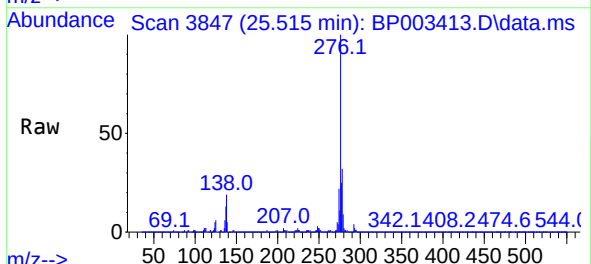
Tgt Ion:252 Resp: 4838215
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 8.2 8.2 12.4#

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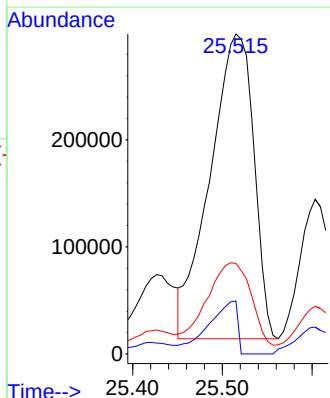
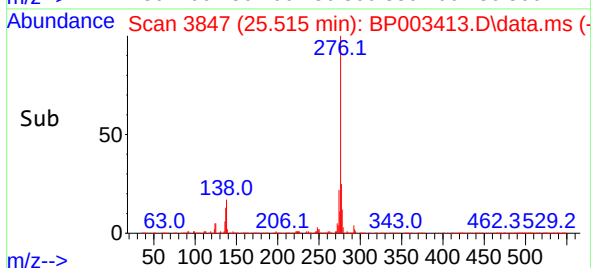
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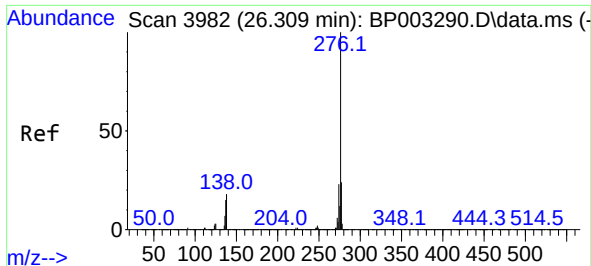


#91
Dibenzo(a,h)anthracene
Concen: 24.36 ng
RT: 25.515 min Scan# 3847
Delta R.T. 0.006 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02



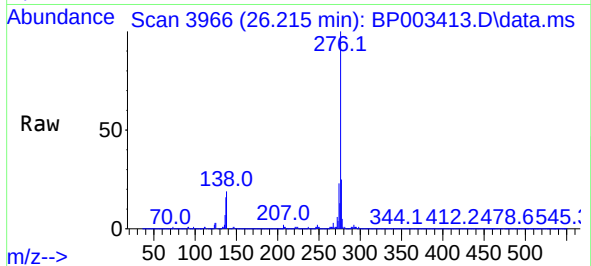
Tgt Ion:278 Resp: 964470
Ion Ratio Lower Upper
278 100
139 16.6 12.4 18.6
279 28.3 19.0 28.6





#92
Benzo(g,h,i)perylene
Concen: 78.65 ng
RT: 26.215 min Scan# 3966
Delta R.T. 0.029 min
Lab File: BP003413.D
Acq: 29 Sep 2020 23:02

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:276 Resp: 3109364
Ion Ratio Lower Upper
276 100
277 25.3 19.0 28.6
138 18.9 16.6 24.8

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