

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
 Data File : BP003407.D
 Acq On : 29 Sep 2020 19:38
 Operator : CG/JU
 Sample : L4154-09DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-5(11-13)DL

Manual Integrations
 APPROVED

Quant Time: Sep 30 01:19:43 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	108204	20.00	ng	0.00
21) Naphthalene-d8	10.322	136	474380	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	301681	20.00	ng	-0.01
64) Phenanthrene-d10	16.957	188	662850	20.00	ng	# 0.00
76) Chrysene-d12	21.063	240	760867	20.00	ng	-0.01
86) Perylene-d12	23.251	264	838656	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.164	112	44203	7.13	ng	0.00
7) Phenol-d6	6.758	99	62897	7.61	ng	0.00
23) Nitrobenzene-d5	8.704	82	41662	5.16	ng	0.00
42) 2,4,6-Tribromophenol	15.710	330	21292	4.63	ng	0.00
45) 2-Fluorobiphenyl	12.816	172	106805	5.18	ng	0.00
79) Terphenyl-d14	19.539	244	171436	4.69	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.263	154	48945	2.83	ng	97
55) Dibenzofuran	14.604	168	71361	2.58	ng	96
58) Fluorene	15.257	166	87367	4.00	ng	99
71) Phenanthrene	16.998	178	1223779	33.93	ng	99
72) Anthracene	17.092	178	389113	10.95	ng	99
73) Carbazole	17.369	167	101783	3.01	ng	99
75) Fluoranthene	18.986	202	1637326	36.11	ng	99
78) Pyrene	19.339	202	1298876	27.37	ng	100
81) Benzo(a)anthracene	21.045	228	772276	15.70	ng	100
83) Chrysene	21.098	228	640294	13.55	ng	98
87) Indeno(1,2,3-cd)pyrene	25.474	276	350860	5.52	ng	96
88) Benzo(b)fluoranthene	22.598	252	809980m	15.29	ng	
89) Benzo(k)fluoranthene	22.633	252	301644m	5.94	ng	
90) Benzo(a)pyrene	23.157	252	586056	11.74	ng	99
92) Benzo(g,h,i)perylene	26.151	276	311039	5.94	ng	99

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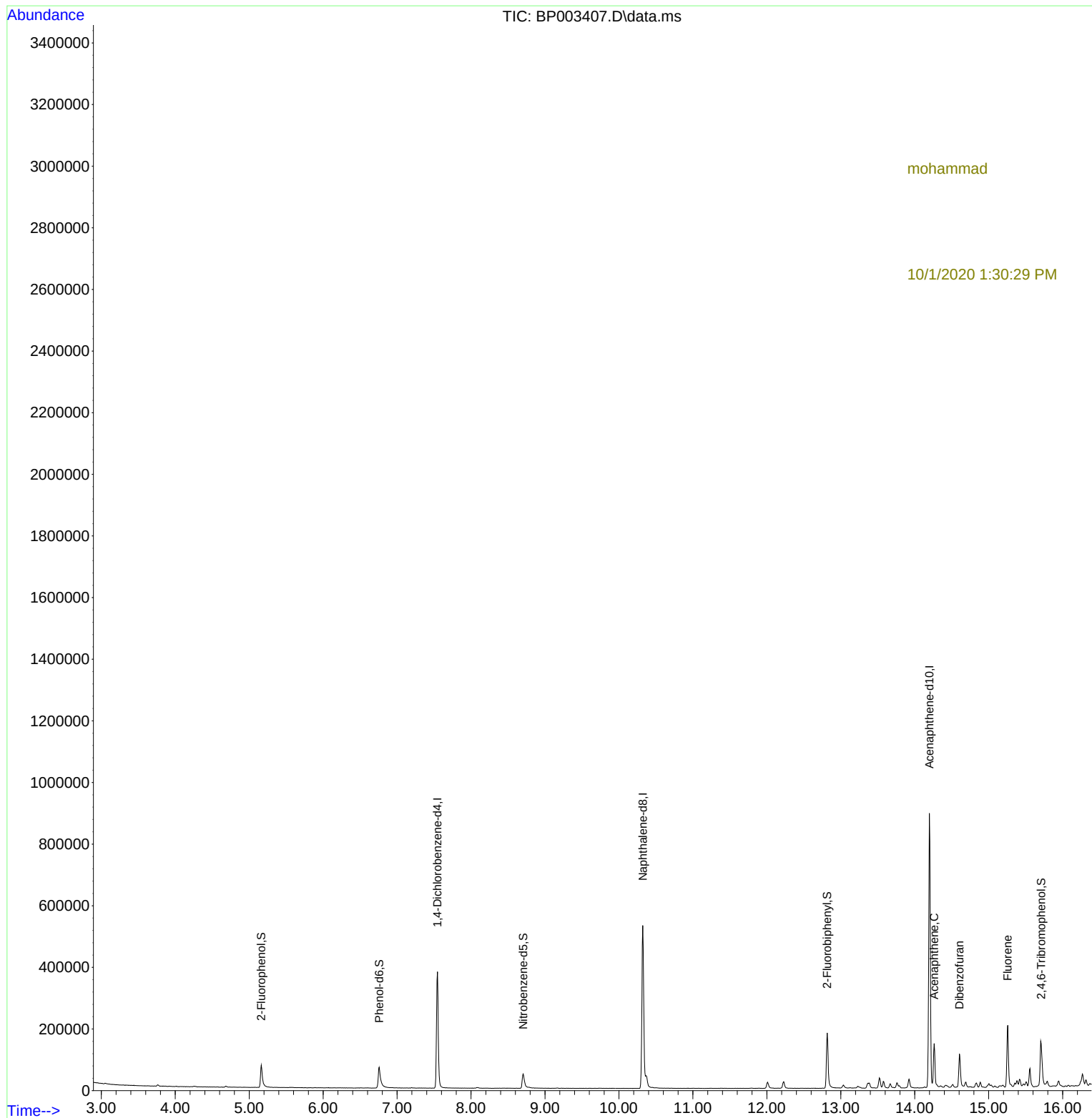
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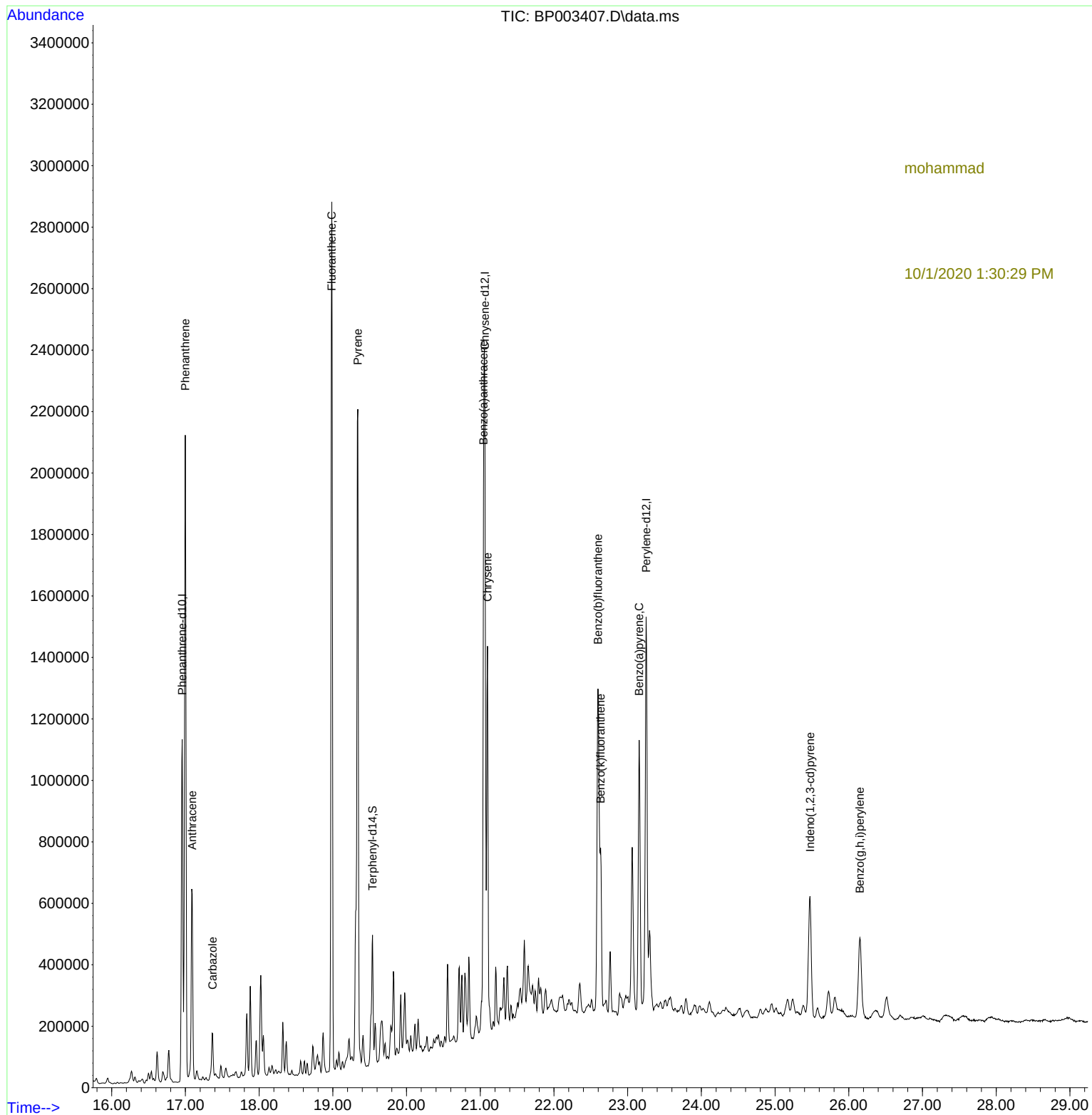


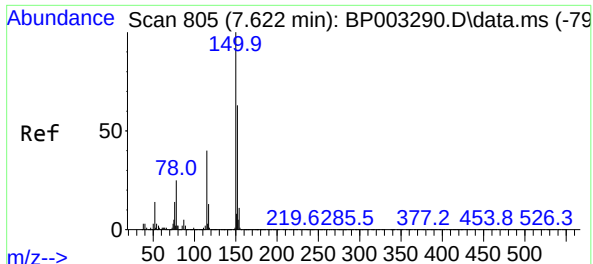
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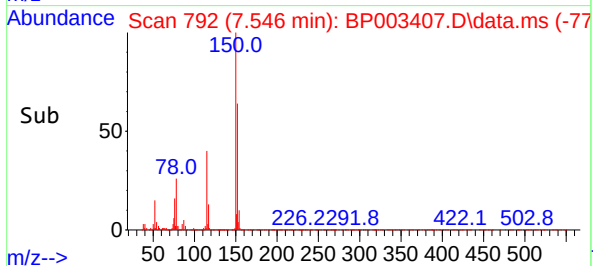
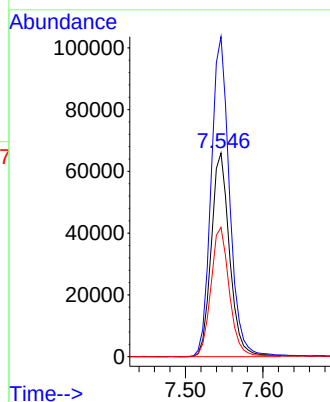
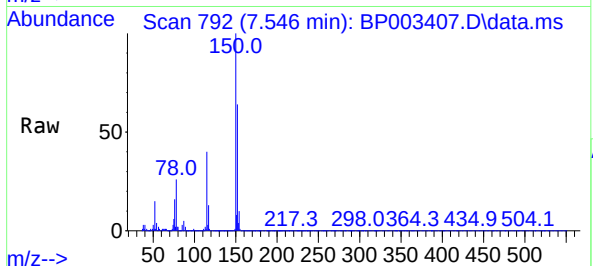


#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.546 min Scan# 792
Delta R.T. -0.000 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:	152	Resp:	108204
Ion	Ratio	Lower	Upper
152	100		
150	157.1	123.8	185.6
115	63.4	43.8	65.6

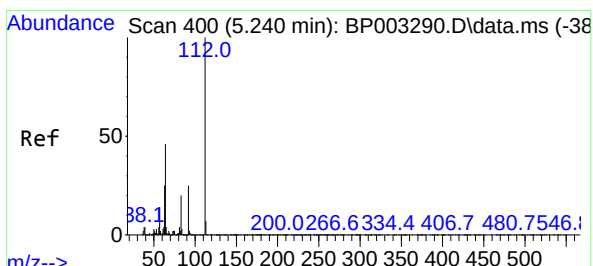
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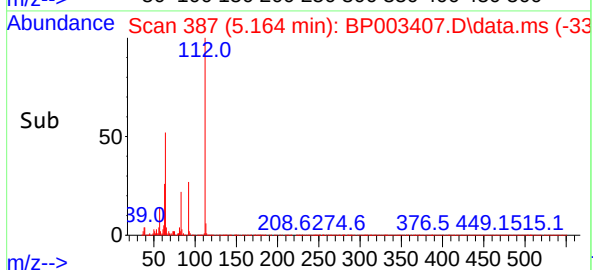
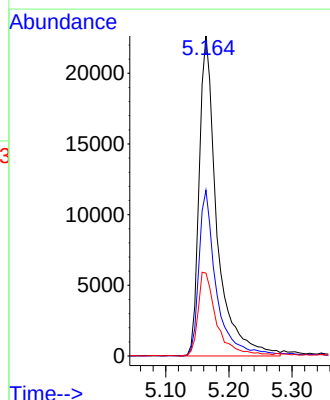
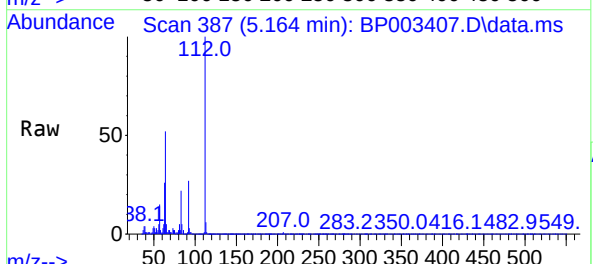
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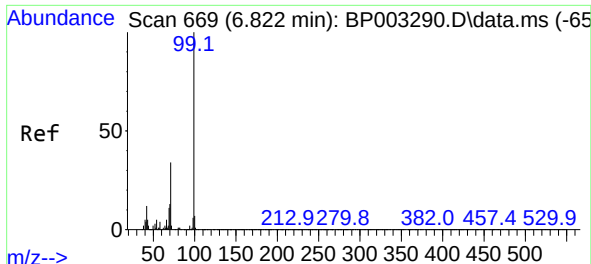
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#5
2-Fluorophenol
Concen: 7.13 ng
RT: 5.164 min Scan# 387
Delta R.T. 0.000 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:	112	Resp:	44203
Ion	Ratio	Lower	Upper
112	100		
64	51.8	32.8	49.2#
63	25.9	17.0	25.4#



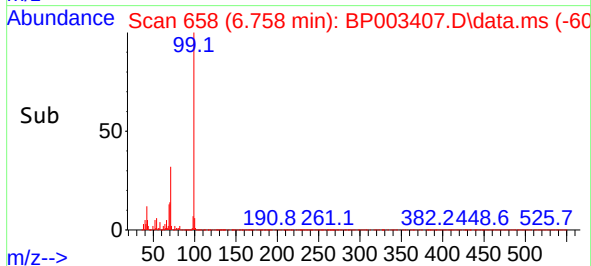
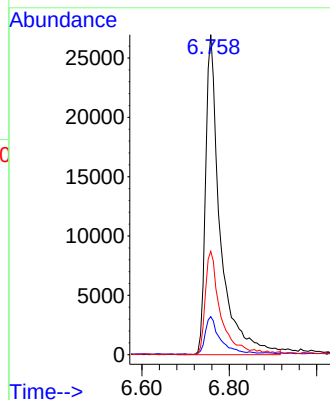
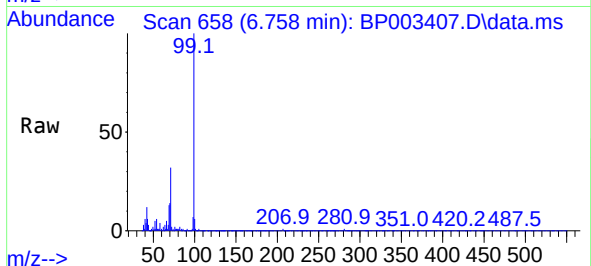


#7
Phenol-d6
Concen: 7.61 ng
RT: 6.758 min Scan# 658
Delta R.T. 0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:	99	Resp:	62897
Ion	Ratio	Lower	Upper
99	100		
42	11.9	8.6	13.0
71	32.3	23.4	35.2

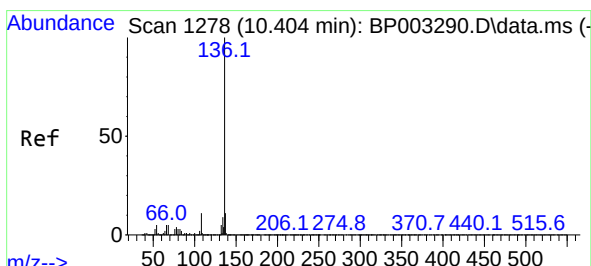
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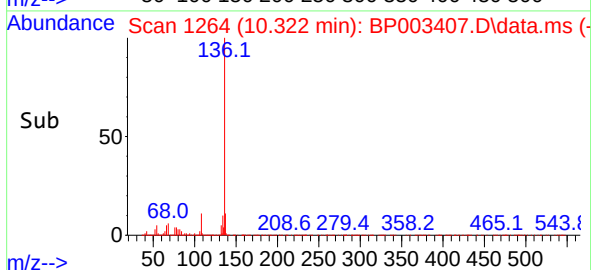
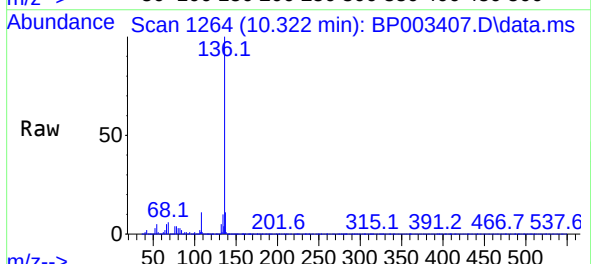
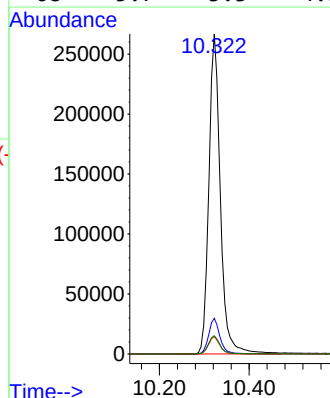
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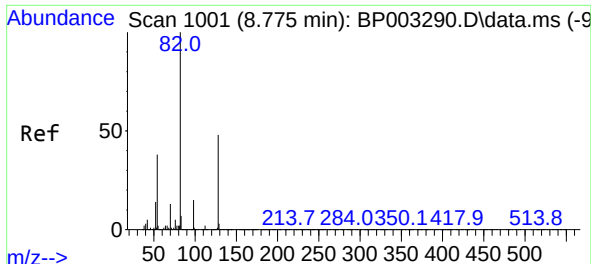
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.322 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:	136	Resp:	474380
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	5.5	3.6	5.4#
68	5.7	3.3	4.9#



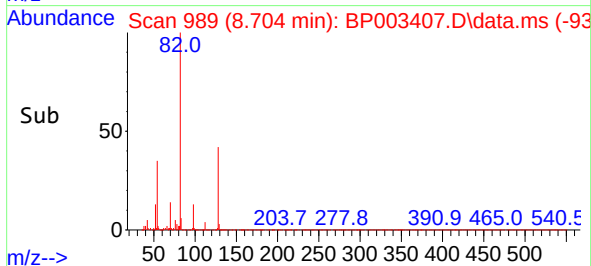
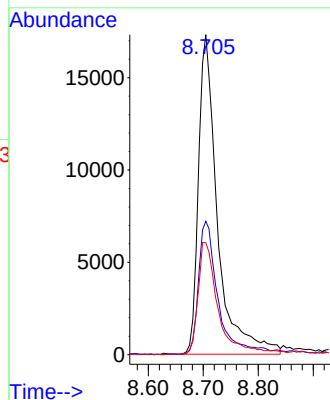
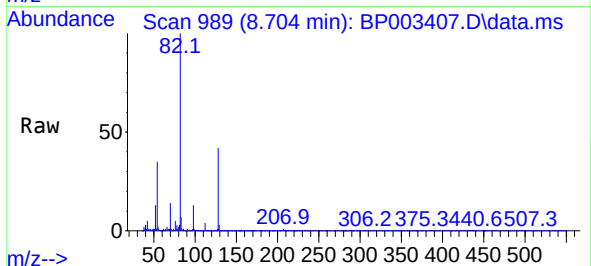


#23
Nitrobenzene-d5
Concen: 5.16 ng
RT: 8.704 min Scan# 989
Delta R.T. 0.000 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:	82	Resp:	41662
Ion	Ratio	Lower	Upper
82	100		
128	41.7	45.6	68.4#
54	35.0	30.1	45.1

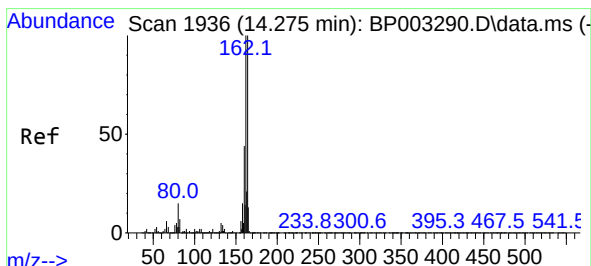
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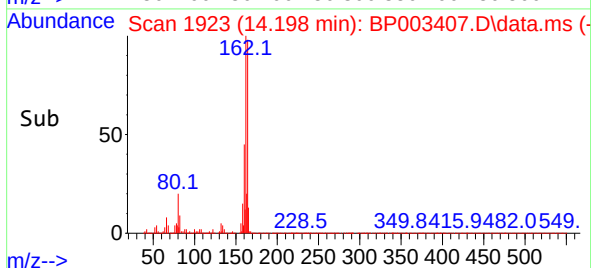
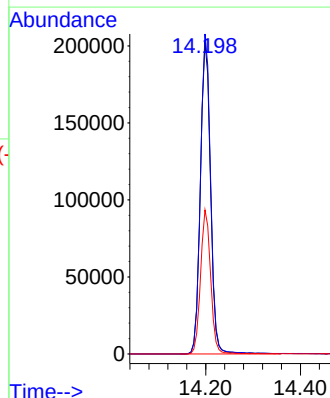
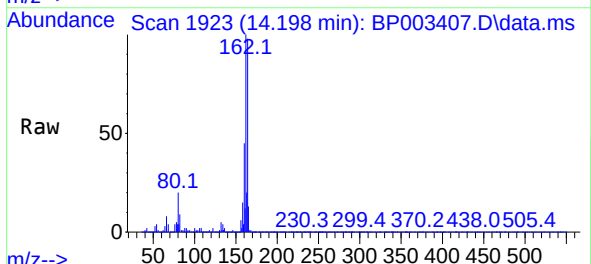
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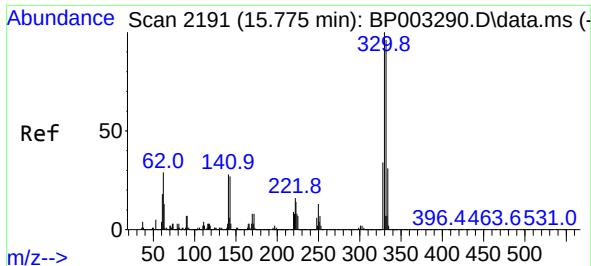
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:	164	Resp:	301681
Ion	Ratio	Lower	Upper
164	100		
162	102.5	79.4	119.2
160	46.1	36.1	54.1



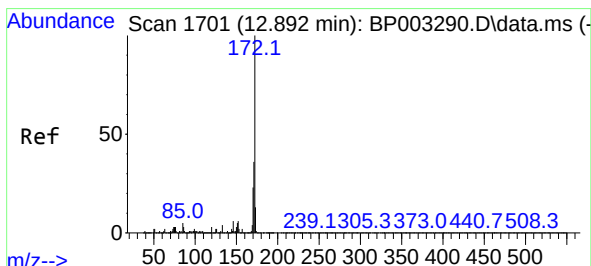
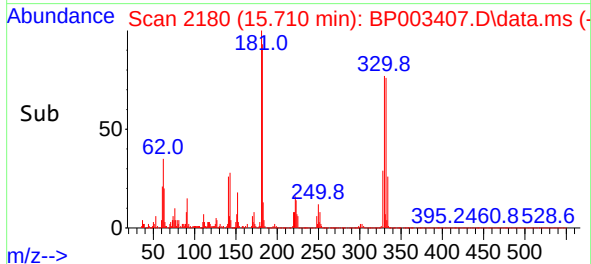
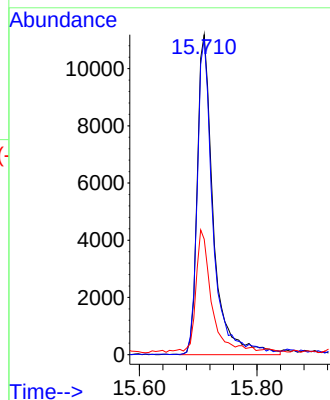
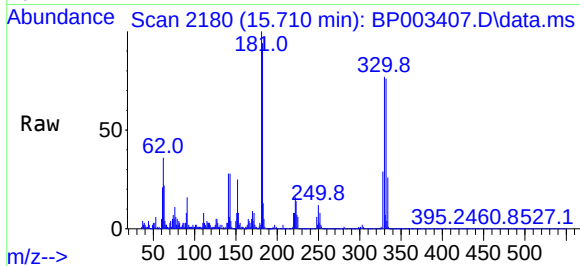


#42
2,4,6-Tribromophenol
Concen: 4.63 ng
RT: 15.710 min Scan# 2180
Delta R.T. 0.000 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	37.3	23.4	35.2#

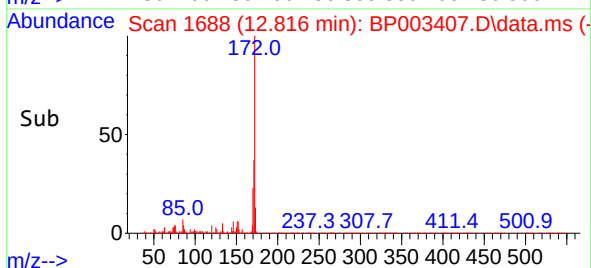
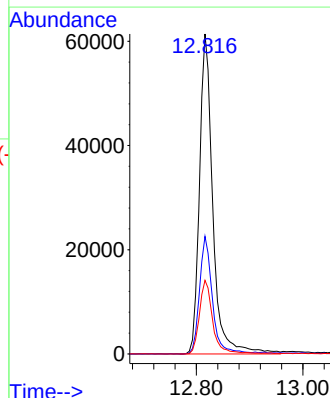
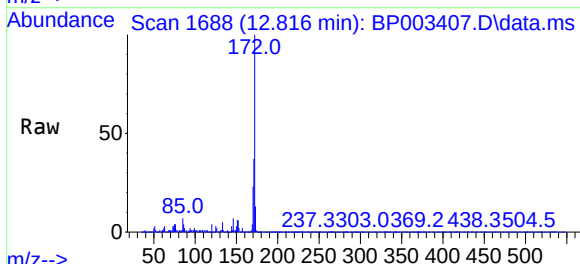
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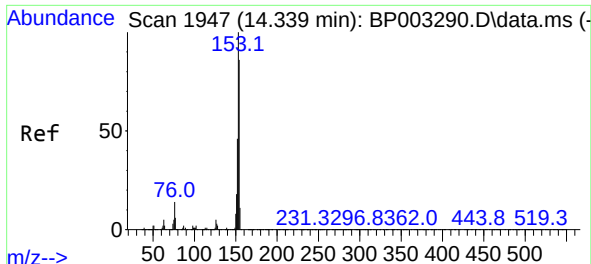
#45
2-Fluorobiphenyl
Concen: 5.18 ng
RT: 12.816 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.5	42.7
170	23.0	19.2	28.8



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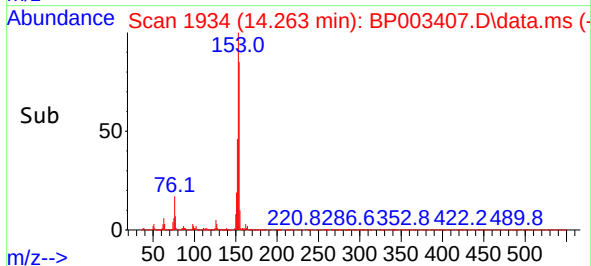
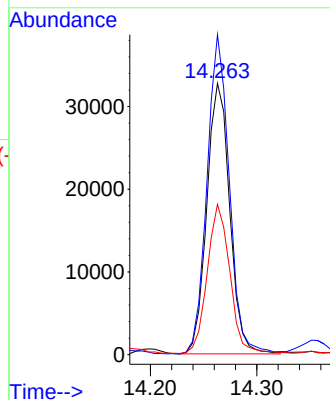
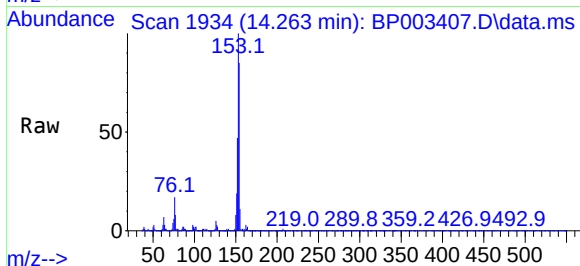


#52
Acenaphthene
Concen: 2.83 ng
RT: 14.263 min Scan# 1934
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:	154	Resp:	48945
Ion Ratio	Lower	Upper	
154	100		
153	117.9	91.0	136.6
152	55.4	43.0	64.6

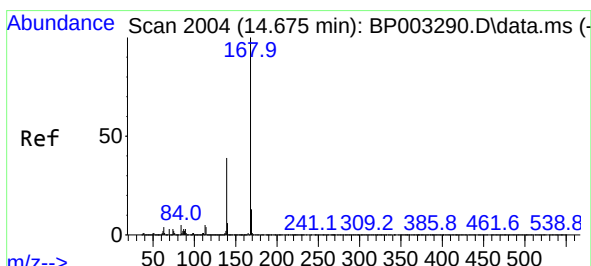
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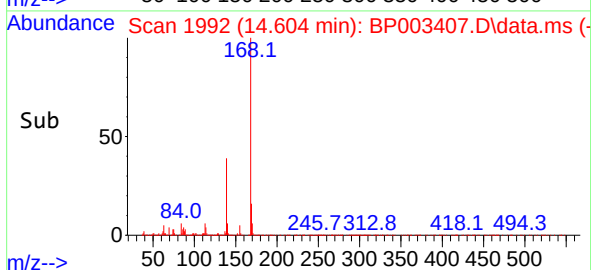
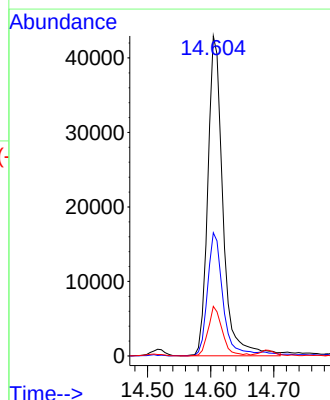
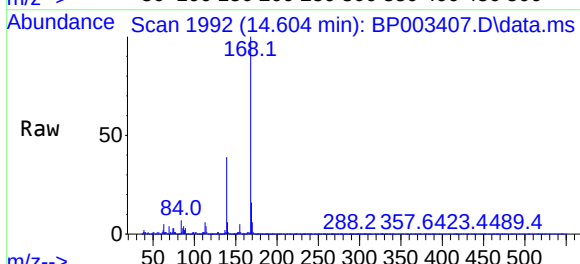
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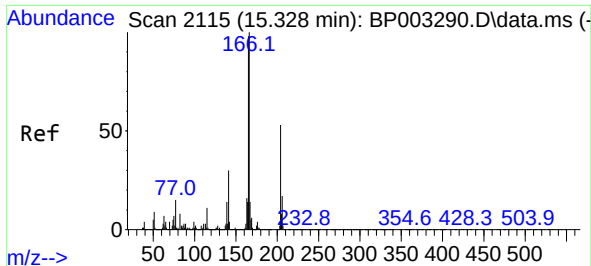
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#55
Dibenzofuran
Concen: 2.58 ng
RT: 14.604 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:	168	Resp:	71361
Ion Ratio	Lower	Upper	
168	100		
139	38.5	29.1	43.7
169	15.5	10.4	15.6



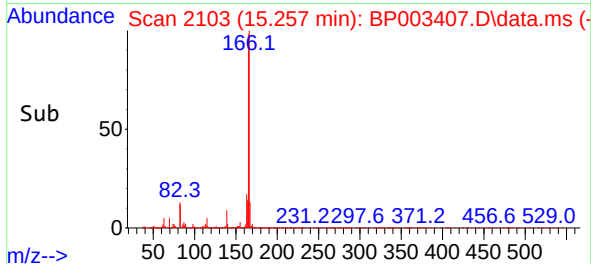
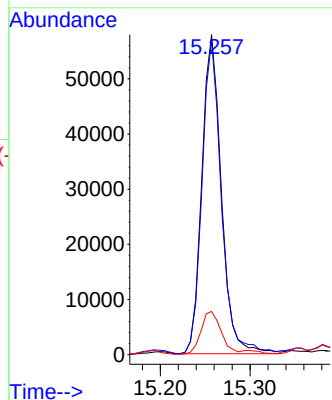
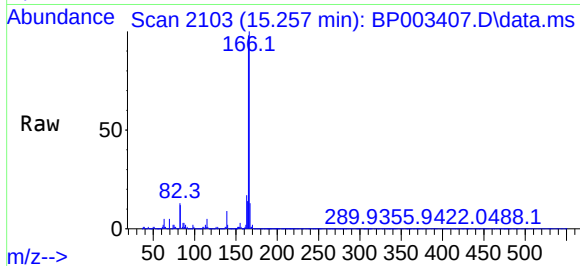


#58
Fluorene
Concen: 4.00 ng
RT: 15.257 min Scan# 2103
Delta R.T. -0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Instrument :
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ClientSampleID :
B-5(11-13)DL

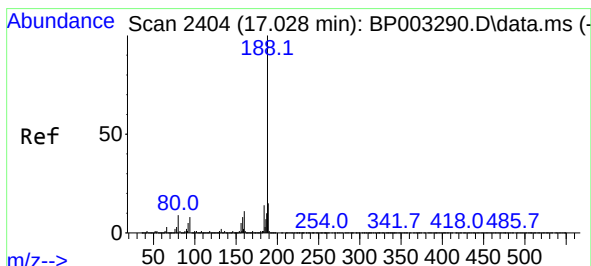
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Ion Ratio	Lower	Upper	
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165	98.3	77.8	116.8
167	13.5	11.0	16.4

Manual Integrations
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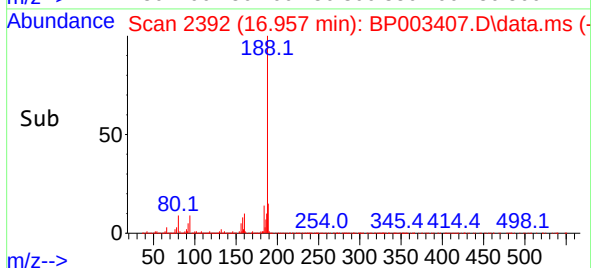
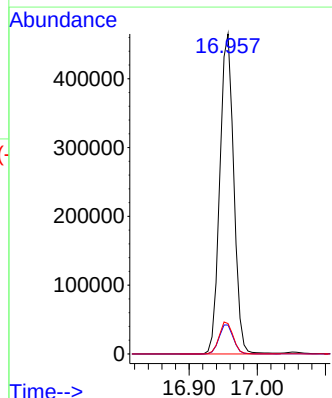
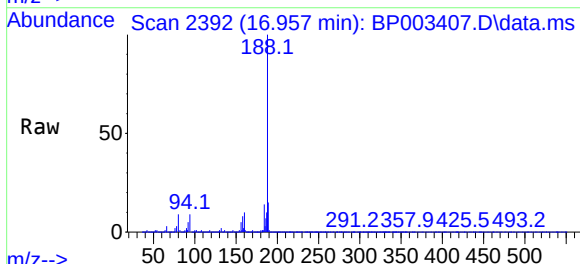
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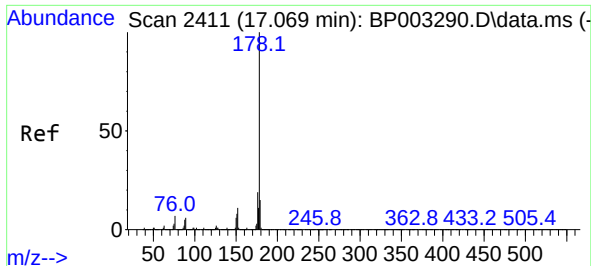
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.957 min Scan# 2392
Delta R.T. -0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:	188	Resp:	662850
Ion Ratio	Lower	Upper	
188	100		
94	9.1	6.2	9.2
80	9.5	6.2	9.2



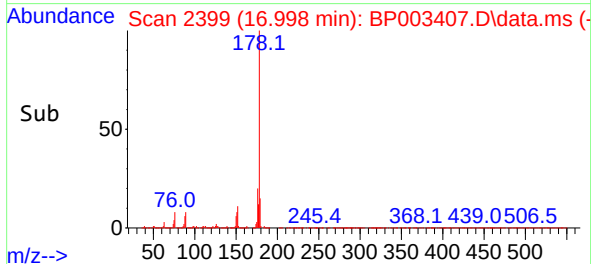
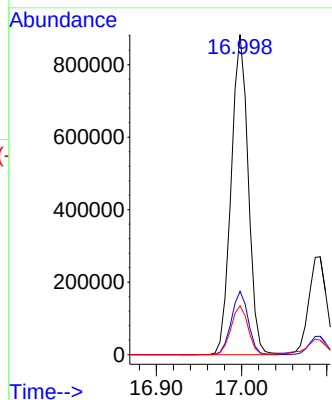
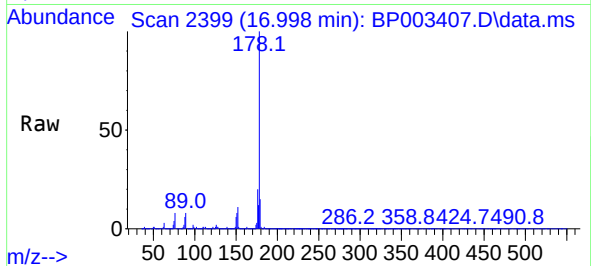


#71
Phenanthrene
Concen: 33.93 ng
RT: 16.998 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:178 Resp: 1223779
Ion Ratio Lower Upper
178 100
176 19.8 15.3 22.9
179 15.3 12.5 18.7

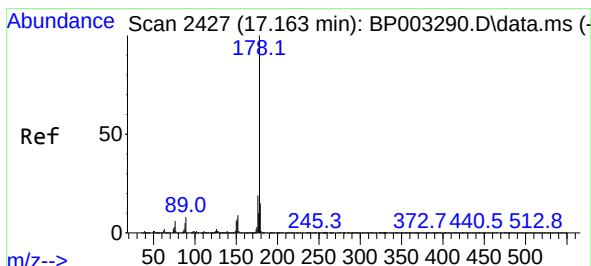
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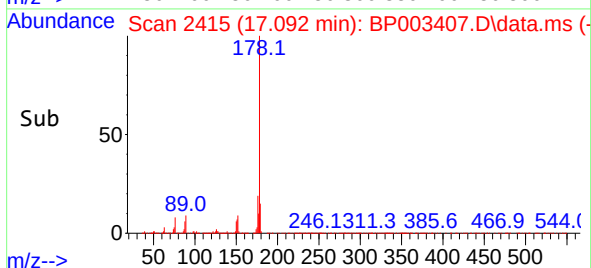
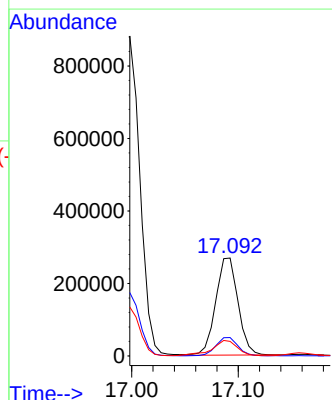
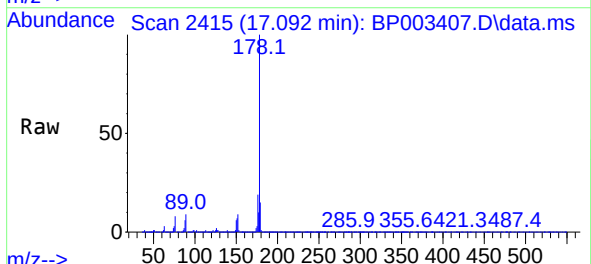
mohammad

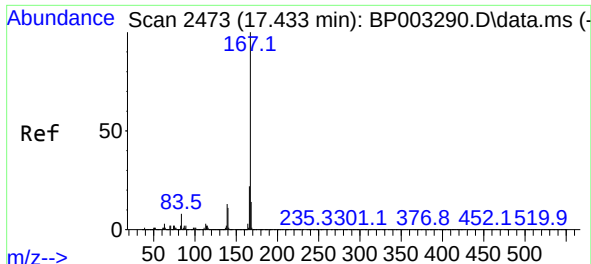
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#72
Anthracene
Concen: 10.95 ng
RT: 17.092 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:178 Resp: 389113
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 14.9 12.5 18.7



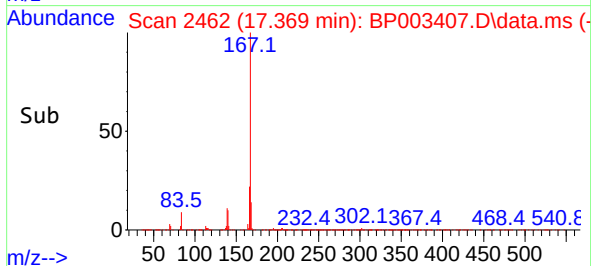
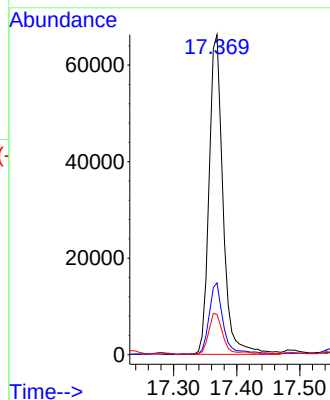
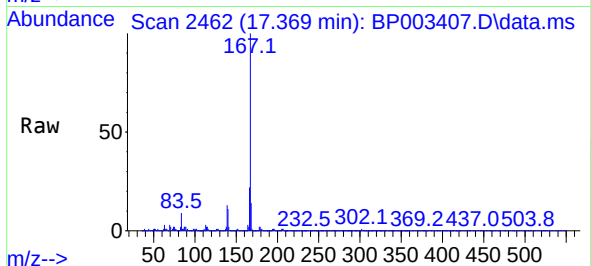


#73
 Carbazole
 Concen: 3.01 ng
 RT: 17.369 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BP003407.D
 Acq: 29 Sep 2020 19:38

Tgt Ion:	167	Resp:	101783
Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	12.6	10.2	15.4

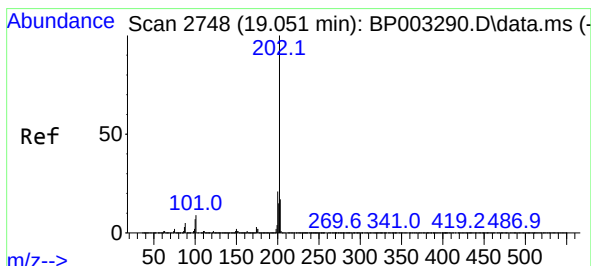
Instrument :
 BNA_P
 ClientSampleID :
 B-5(11-13)DL

Manual Integrations
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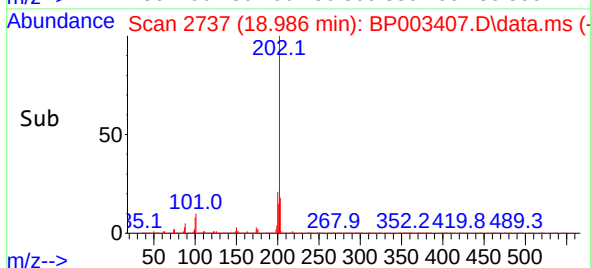
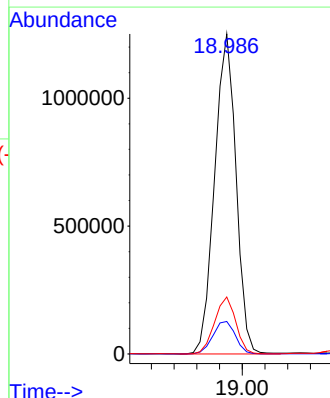
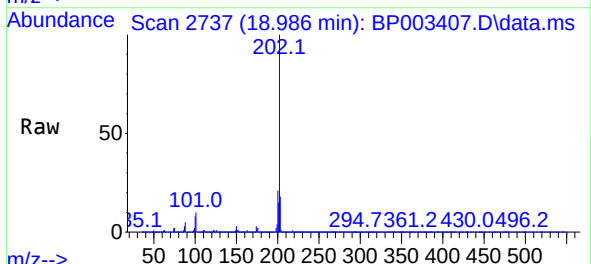
mohammad

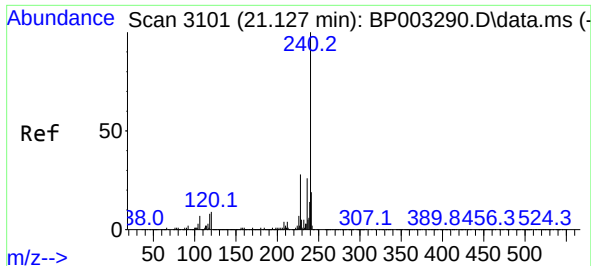
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#75
 Fluoranthene
 Concen: 36.11 ng
 RT: 18.986 min Scan# 2737
 Delta R.T. -0.006 min
 Lab File: BP003407.D
 Acq: 29 Sep 2020 19:38

Tgt Ion:	202	Resp:	1637326
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	29.4
203	17.8	0.0	37.8



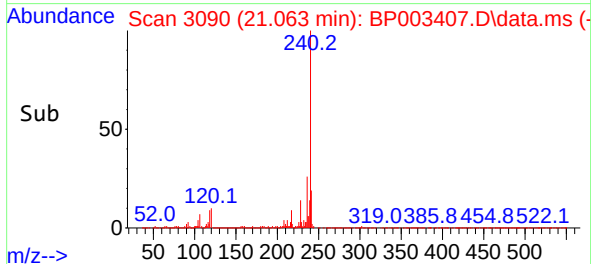
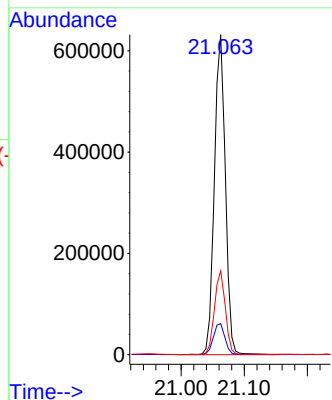
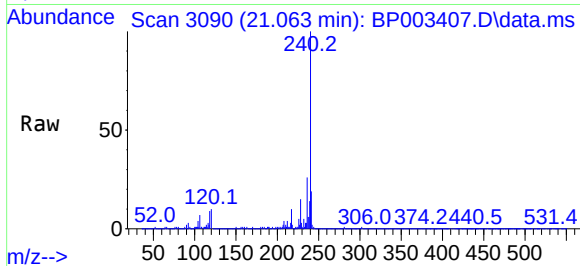


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.063 min Scan# 3090
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:240 Resp: 760867
Ion Ratio Lower Upper
240 100
120 9.7 7.8 11.6
236 26.1 20.8 31.2

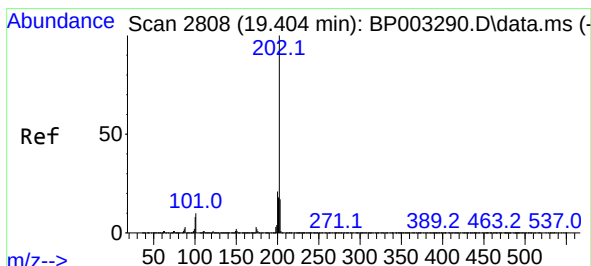
Instrument :
BNA_P
ClientSampled :
B-5(11-13)DL

Manual Integrations
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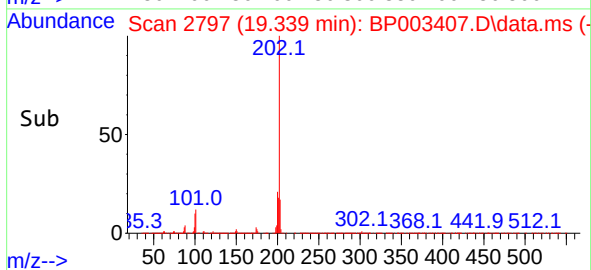
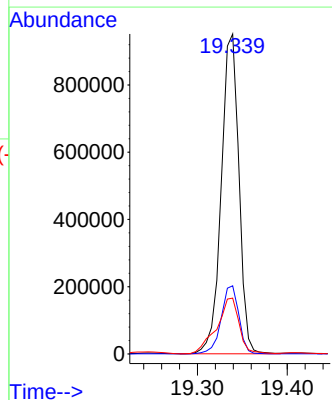
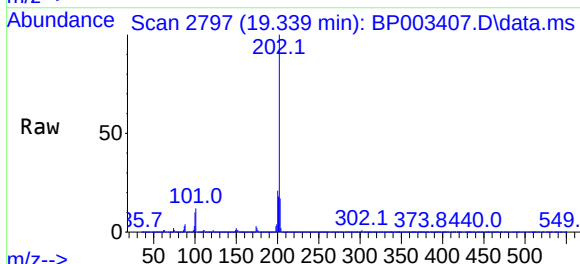
mohammad

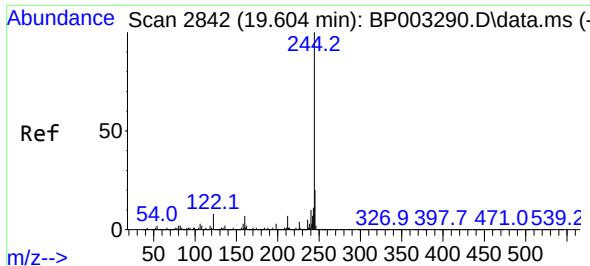
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#78
Pyrene
Concen: 27.37 ng
RT: 19.339 min Scan# 2797
Delta R.T. -0.006 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:202 Resp: 1298876
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.5 14.2 21.2



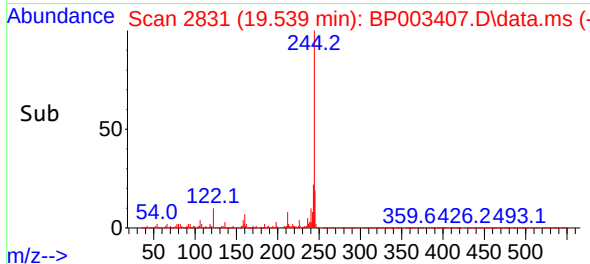
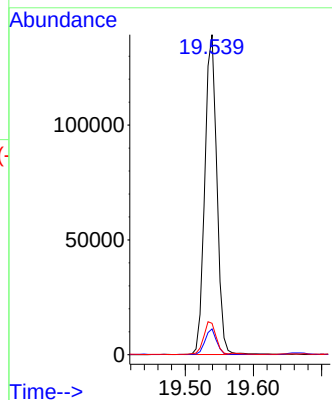
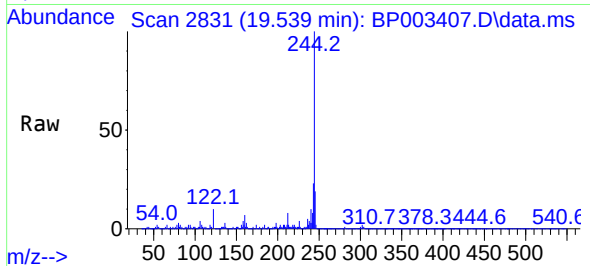


#79
Terphenyl-d14
Concen: 4.69 ng
RT: 19.539 min Scan# 2831
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:	244	Resp:	171436
Ion Ratio	Lower	Upper	
244	100		
212	8.1	5.8	8.6
122	9.8	7.8	11.8

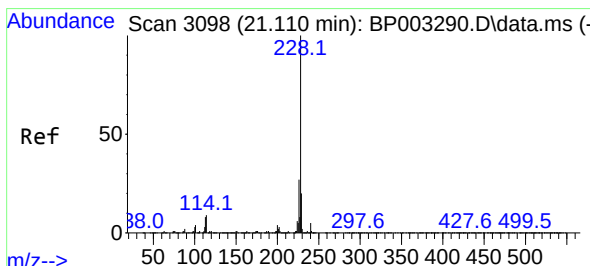
Instrument :
BNA_P
ClientSampleId :
B-5(11-13)DL

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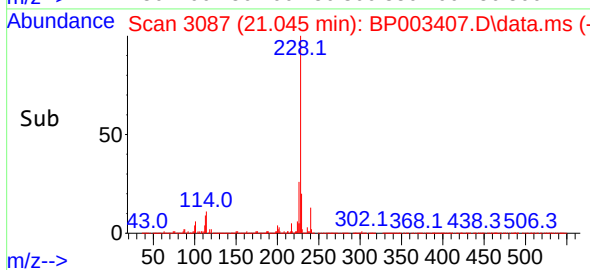
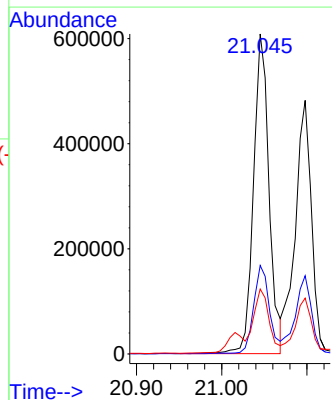
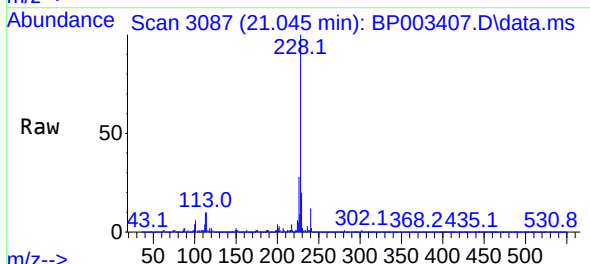
mohammad

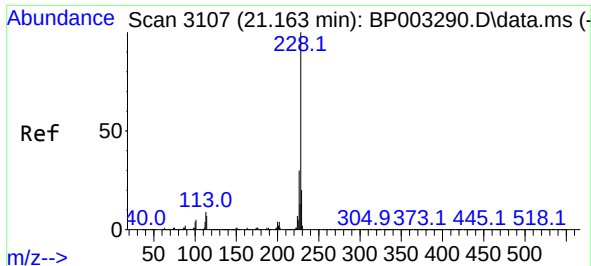
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#81
Benzo(a)anthracene
Concen: 15.70 ng
RT: 21.045 min Scan# 3087
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:	228	Resp:	772276
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.1	33.1
229	20.3	15.9	23.9



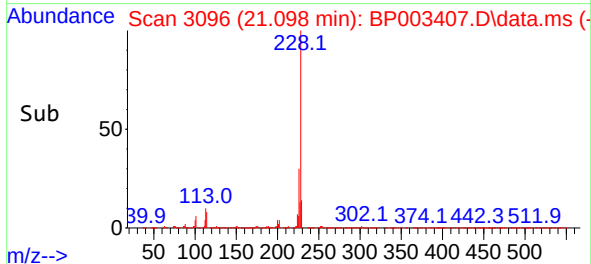
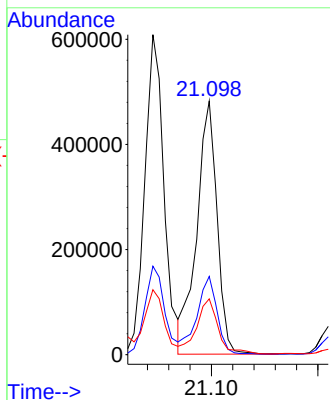
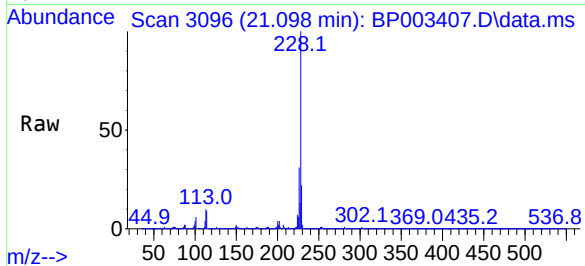


#83
Chrysene
Concen: 13.55 ng
RT: 21.098 min Scan# 3096
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:	228	Resp:	640294
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.4	36.6
229	22.0	15.8	23.6

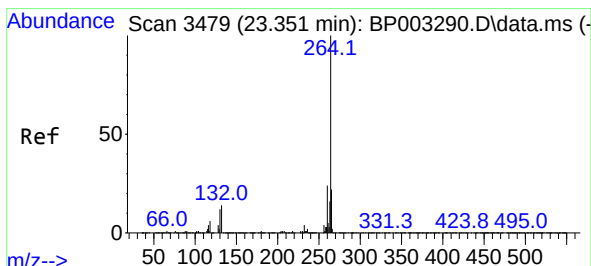
Instrument :
BNA_P
ClientSampled :
B-5(11-13)DL

Manual Integrations
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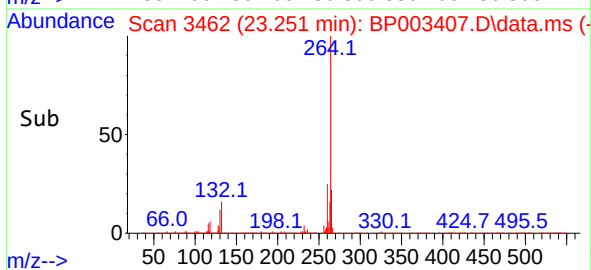
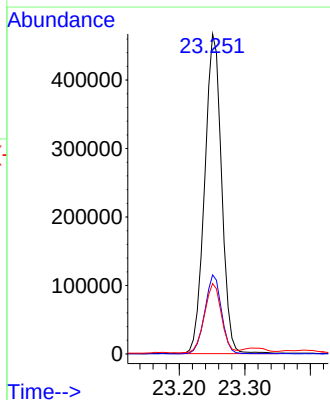
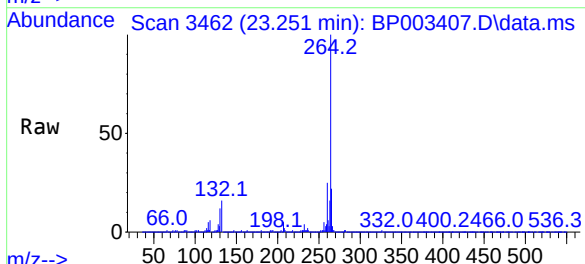
mohammad

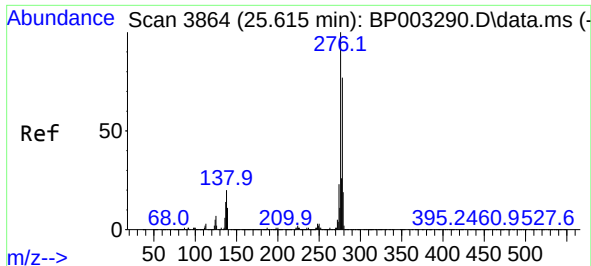
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.251 min Scan# 3462
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:	264	Resp:	838656
Ion Ratio	Lower	Upper	
264	100		
260	24.7	18.8	28.2
265	22.0	17.4	26.2



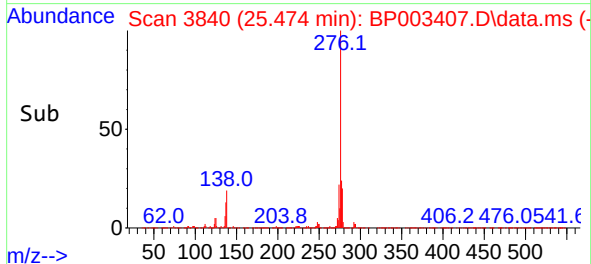
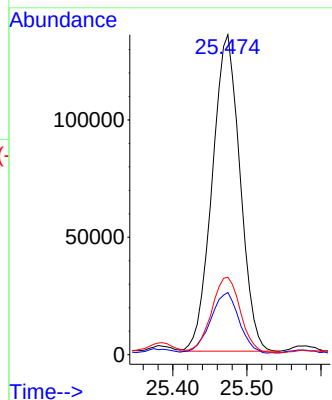
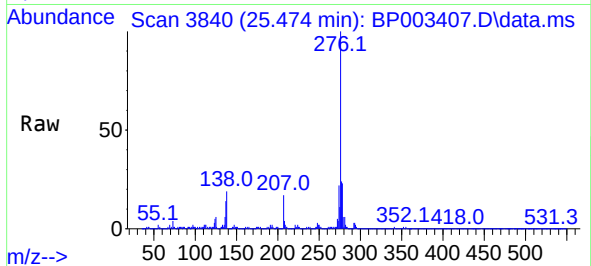


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.52 ng
RT: 25.474 min Scan# 3840
Delta R.T. -0.029 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion: 276 Resp: 350860
Ion Ratio Lower Upper
276 100
138 19.9 18.7 28.1
277 24.8 20.4 30.6

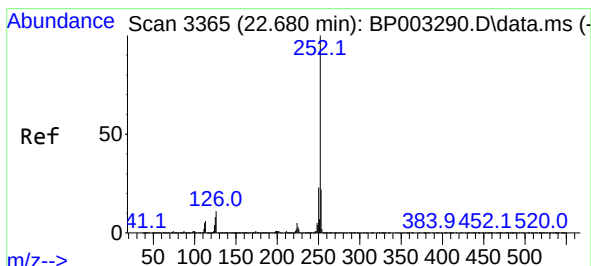
Instrument :
BNA_P
ClientSampleId :
B-5(11-13)DL

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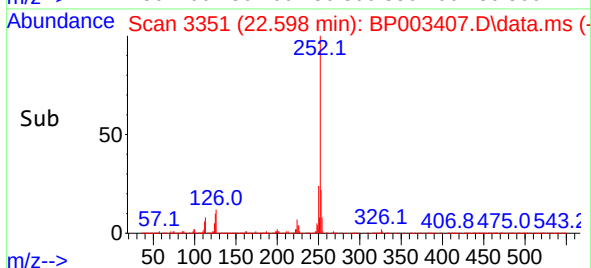
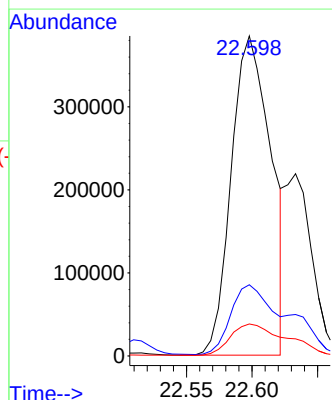
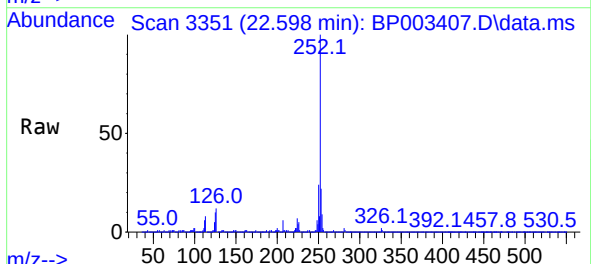
mohammad

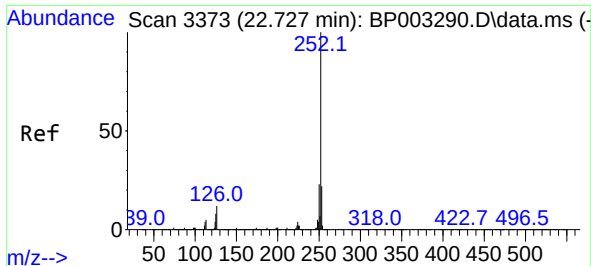
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#88
Benzo(b)fluoranthene
Concen: 15.29 ng m
RT: 22.598 min Scan# 3351
Delta R.T. -0.012 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion: 252 Resp: 809980
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 10.0 7.3 10.9



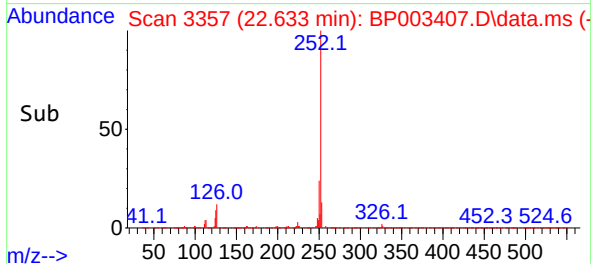
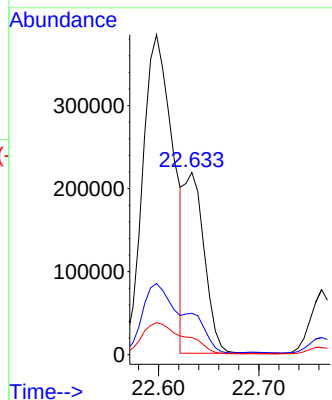
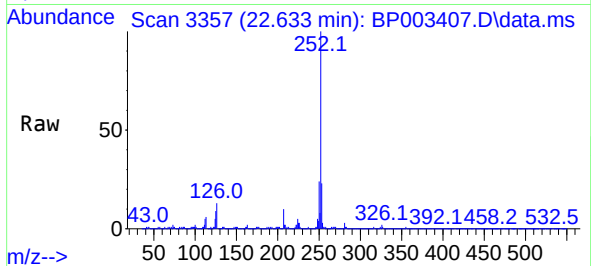


#89
Benzo(k)fluoranthene
Concen: 5.94 ng m
RT: 22.633 min Scan# 3357
Delta R.T. -0.018 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Tgt Ion:	252	Resp:	301644
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.8
125	9.4	7.4	11.2

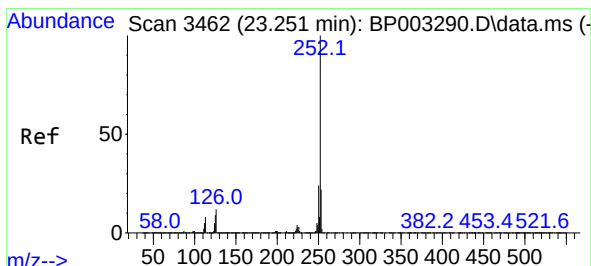
Instrument :
BNA_P
ClientSampled :
B-5(11-13)DL

Manual Integrations
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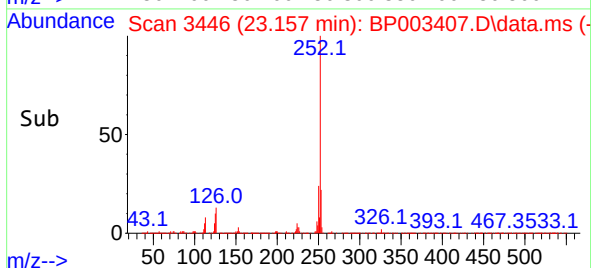
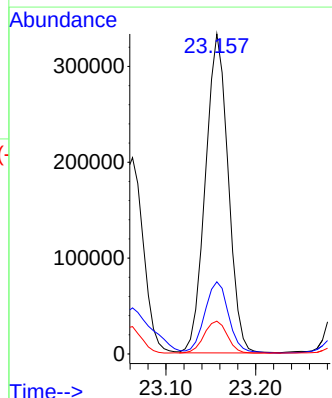
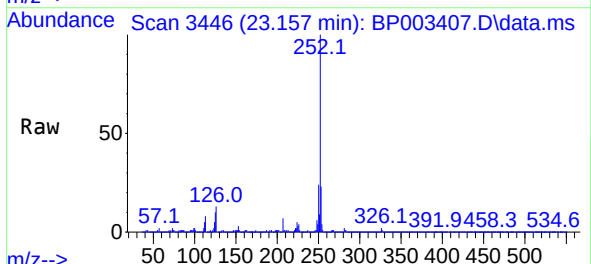
mohammad

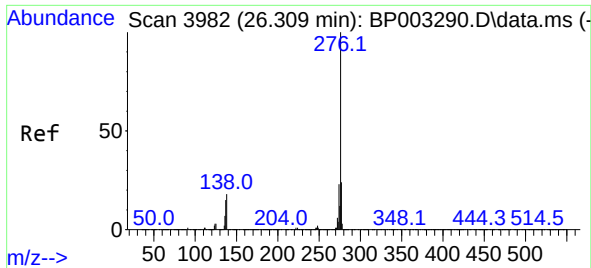
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#90
Benzo(a)pyrene
Concen: 11.74 ng
RT: 23.157 min Scan# 3446
Delta R.T. -0.018 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

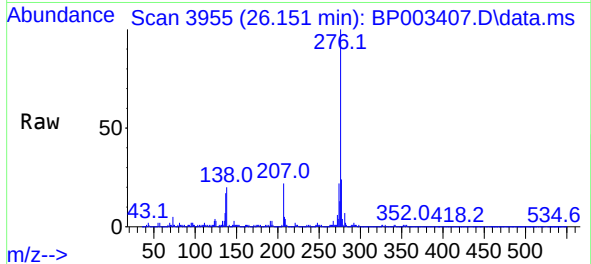
Tgt Ion:	252	Resp:	586056
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.0
125	10.3	8.2	12.4





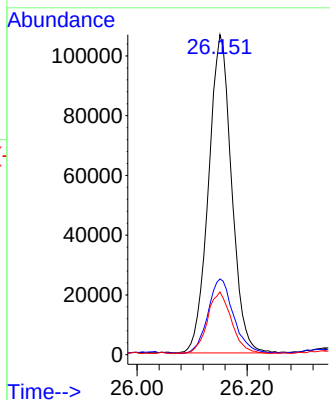
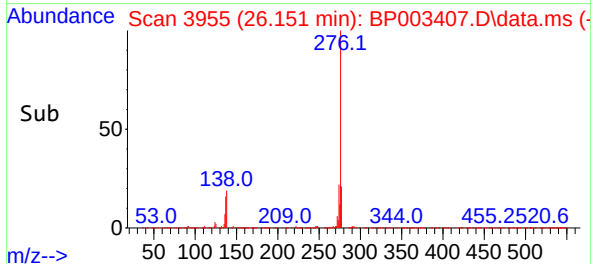
#92
Benzo(g,h,i)perylene
Concen: 5.94 ng
RT: 26.151 min Scan# 3955
Delta R.T. -0.035 min
Lab File: BP003407.D
Acq: 29 Sep 2020 19:38

Instrument :
BNA_P
ClientSampleId :
B-5(11-13)DL



Tgt Ion:	276	Resp:	311039
Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	19.6	16.6	24.8

Manual Integrations
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mohammad

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