

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
 Data File : BP003428.D
 Acq On : 30 Sep 2020 23:27
 Operator : CG/JU
 Sample : L4172-02DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-6(7-9)DL

Manual Integrations
 APPROVED

Quant Time: Oct 01 06:24:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 30 17:14:02 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.540	152	103801	20.00	ng	0.00
21) Naphthalene-d8	10.316	136	444890	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	287976	20.00	ng	0.00
64) Phenanthrene-d10	16.957	188	659508	20.00	ng	# 0.01
76) Chrysene-d12	21.145	240	627309	20.00	ng	0.08
86) Perylene-d12	23.580	264	616828m	20.00	ng	0.32
System Monitoring Compounds						
5) 2-Fluorophenol	5.158	112	121152	20.38	ng	0.00
7) Phenol-d6	6.752	99	159565	20.14	ng	0.01
23) Nitrobenzene-d5	8.693	82	93482	12.34	ng	0.00
42) 2,4,6-Tribromophenol	15.710	330	68098	15.50	ng	0.02
45) 2-Fluorobiphenyl	12.810	172	229275	11.64	ng	0.00
79) Terphenyl-d14	19.563	244	336853	11.19	ng	0.03
Target Compounds						Qvalue
31) Naphthalene	10.369	128	49701	2.11	ng	98
52) Acenaphthene	14.257	154	56282	3.40	ng	98
55) Dibenzofuran	14.604	168	56650	2.15	ng	95
58) Fluorene	15.251	166	75207	3.61	ng	99
71) Phenanthrene	17.004	178	1002727	27.94	ng	99
72) Anthracene	17.092	178	259382	7.33	ng	99
73) Carbazole	17.381	167	135975	4.05	ng	99
75) Fluoranthene	19.010	202	1416051	31.39	ng	99
78) Pyrene	19.363	202	1128253	28.84	ng	100
81) Benzo(a)anthracene	21.127	228	625468	15.42	ng	# 94
83) Chrysene	21.174	228	479809m	12.32	ng	
88) Benzo(b)fluoranthene	22.845	252	947471	24.32	ng	# 94
89) Benzo(k)fluoranthene	23.463	252	887630m	23.78	ng	
90) Benzo(a)pyrene	23.463	252	819011	22.30	ng	# 85
91) Dibenzo(a,h)anthracene	26.333	278	291893m	7.57	ng	
92) Benzo(g,h,i)perylene	26.315	276	381219m	9.90	ng	

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

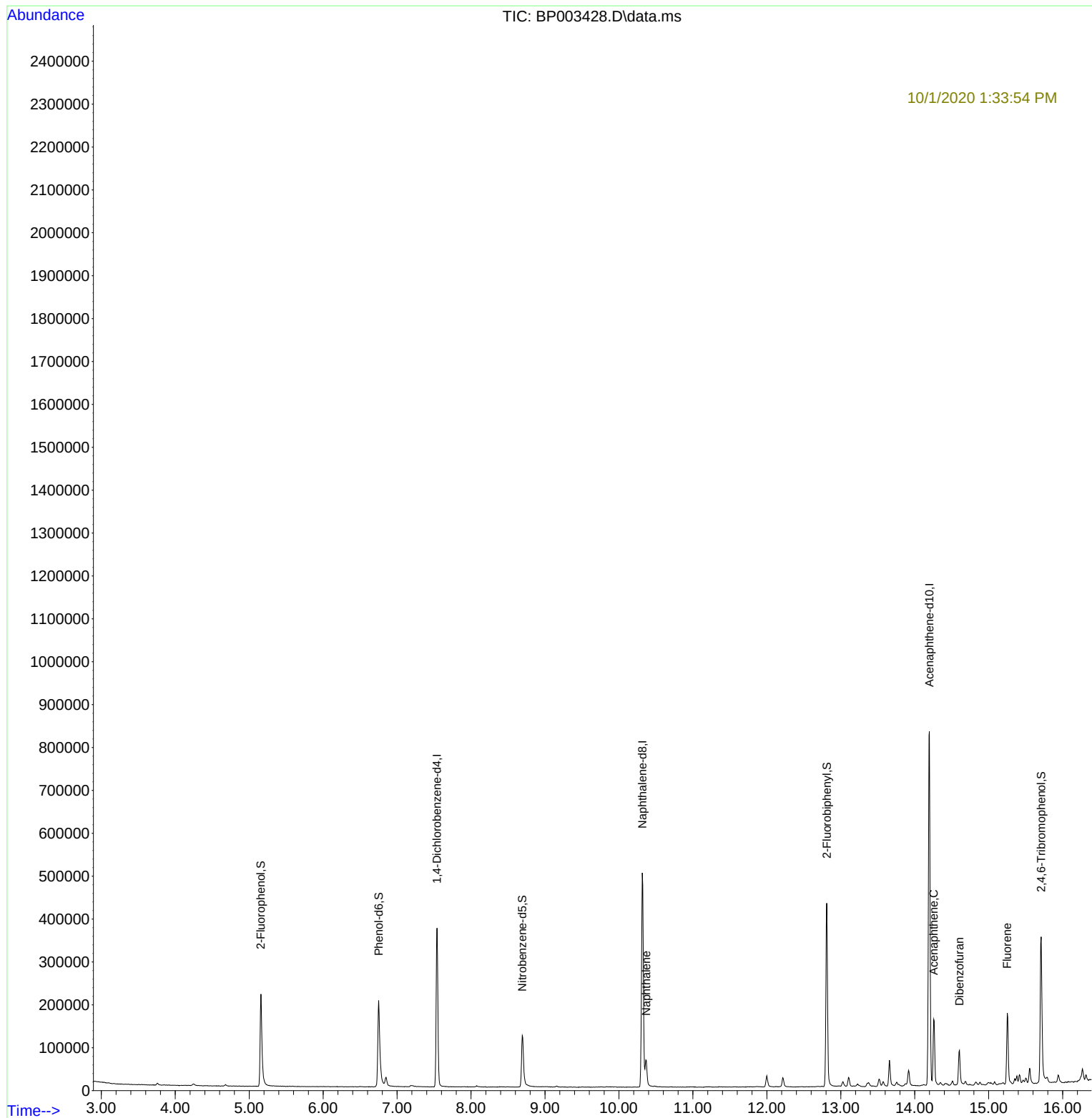
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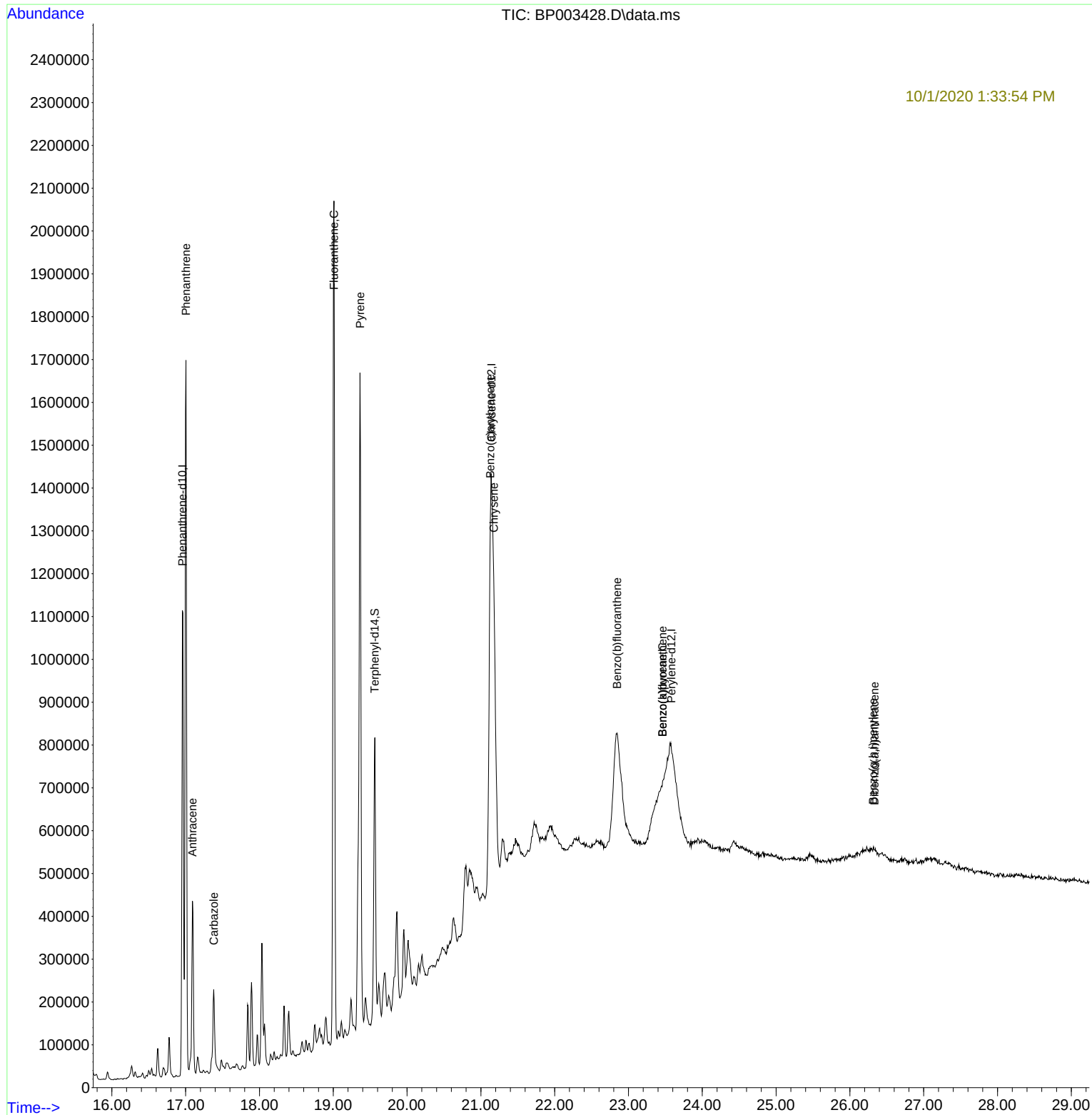
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ALS Vial : 15 Sample Multiplier: 1

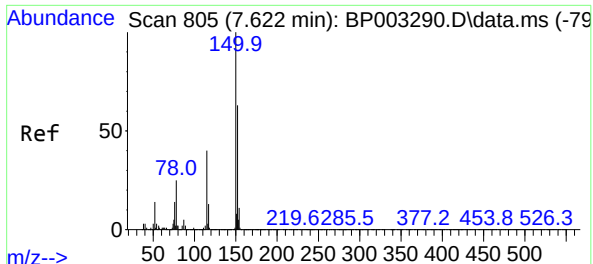
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#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.540 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

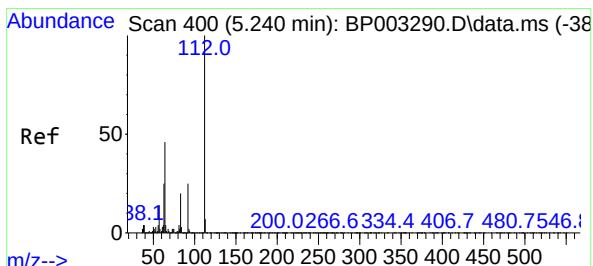
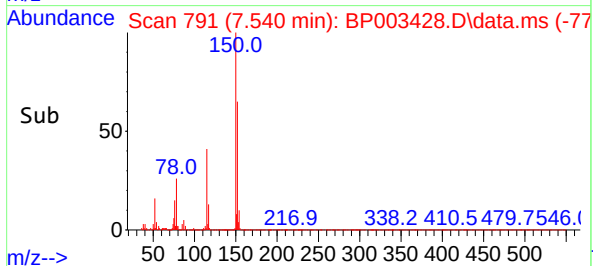
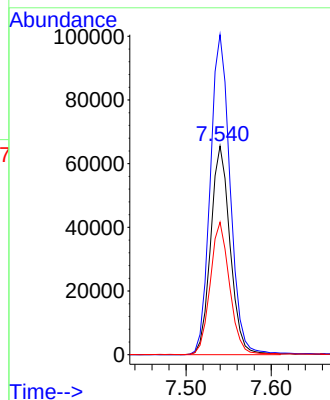
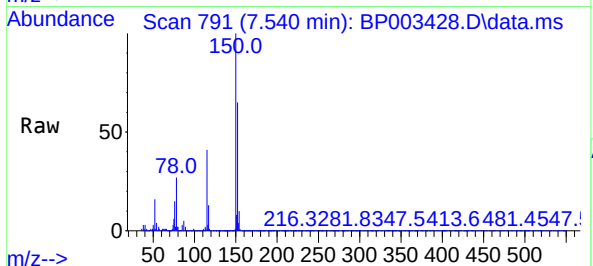
Tgt Ion:	152	Resp:	103801
Ion	Ratio	Lower	Upper
152	100		
150	153.4	123.8	185.6
115	63.5	43.8	65.6

Instrument :
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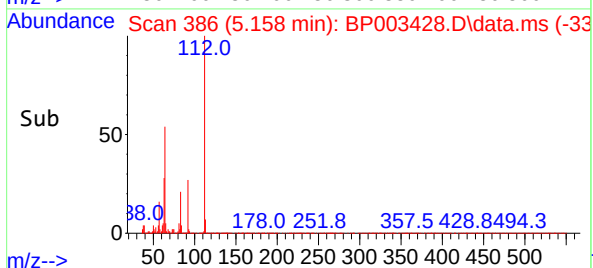
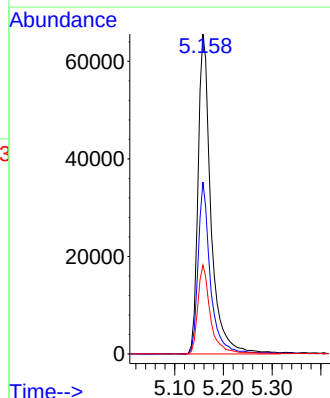
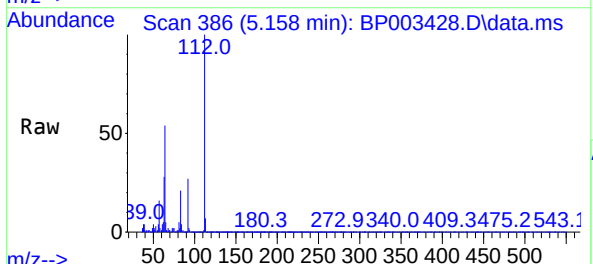
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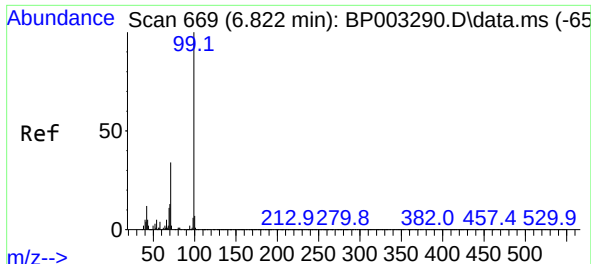
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#5
2-Fluorophenol
Concen: 20.38 ng
RT: 5.158 min Scan# 386
Delta R.T. 0.006 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

Tgt Ion:	112	Resp:	121152
Ion	Ratio	Lower	Upper
112	100		
64	53.7	32.8	49.2#
63	27.8	17.0	25.4#





#7
Phenol-d6
Concen: 20.14 ng
RT: 6.752 min Scan# 657
Delta R.T. 0.012 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

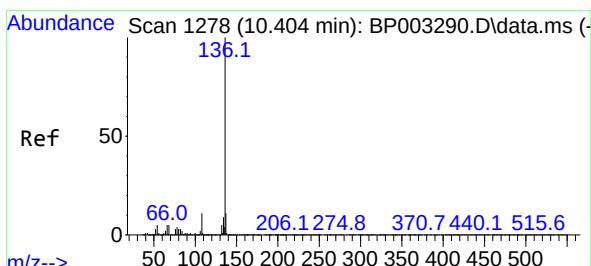
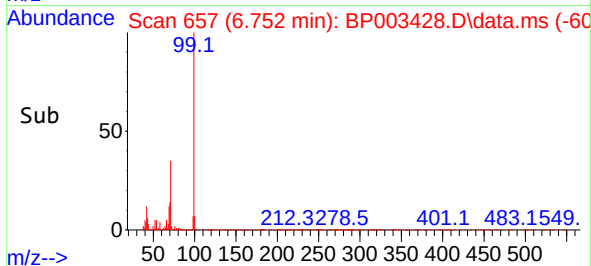
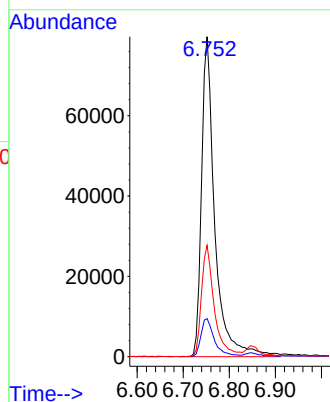
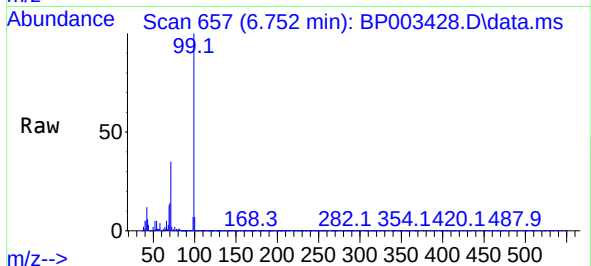
Tgt Ion:	99	Resp:	159565
Ion	Ratio	Lower	Upper
99	100		
42	11.9	8.6	13.0
71	34.8	23.4	35.2

Instrument :
BNA_P
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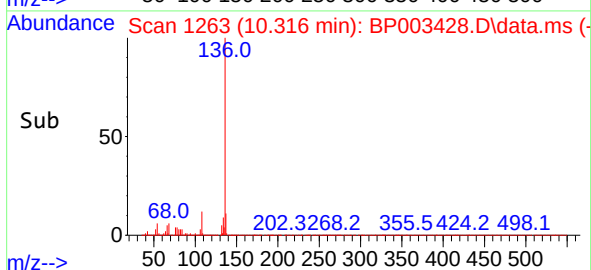
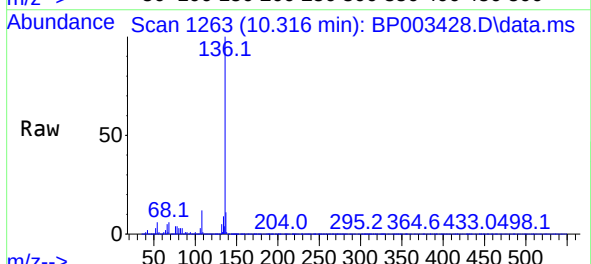
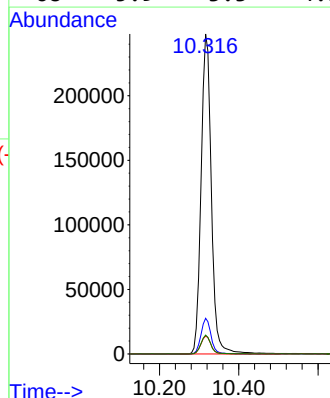
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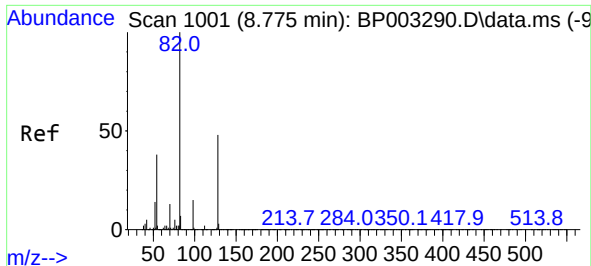
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.316 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

Tgt Ion:	136	Resp:	444890
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	5.6	3.6	5.4#
68	5.9	3.3	4.9#





#23
Nitrobenzene-d5
Concen: 12.34 ng
RT: 8.693 min Scan# 987
Delta R.T. 0.006 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

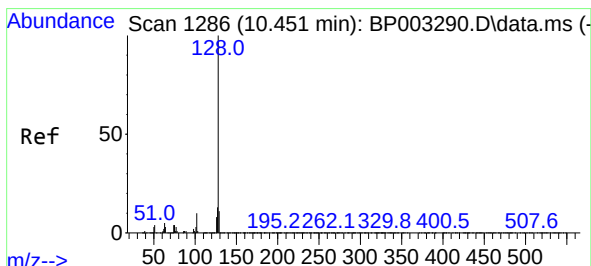
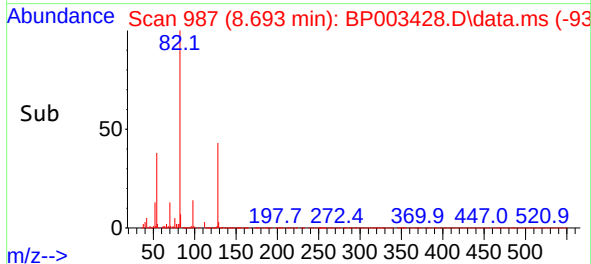
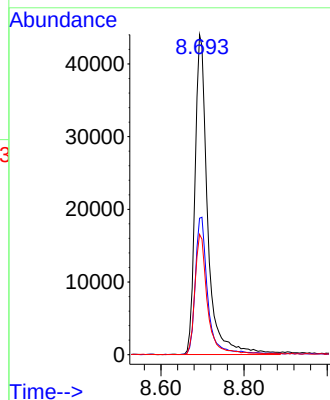
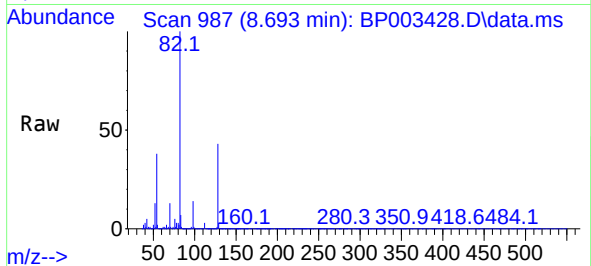
Tgt Ion:	82	Resp:	93482
Ion	Ratio	Lower	Upper
82	100		
128	42.6	45.6	68.4#
54	37.6	30.1	45.1

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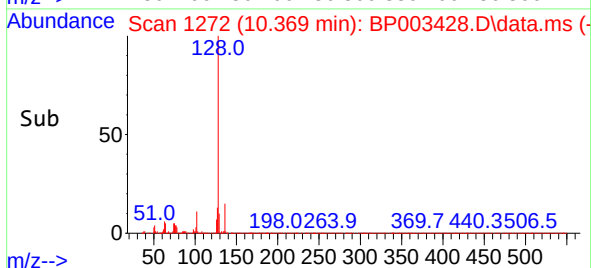
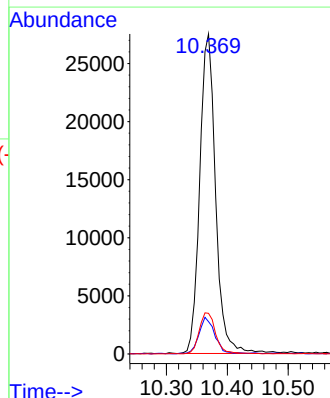
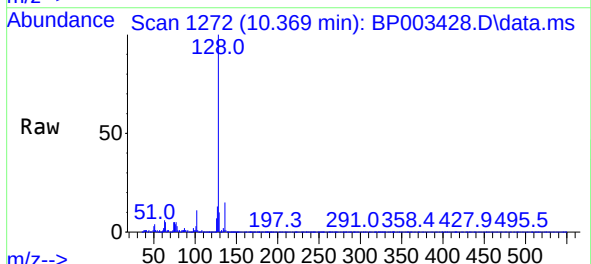
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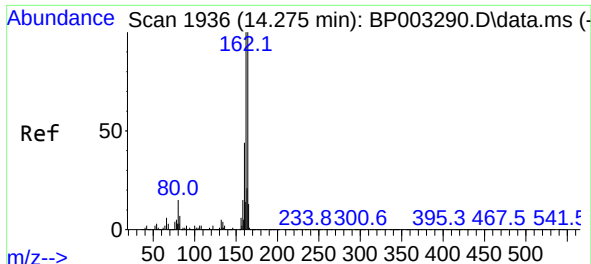
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#31
Naphthalene
Concen: 2.11 ng
RT: 10.369 min Scan# 1272
Delta R.T. 0.006 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

Tgt Ion:	128	Resp:	49701
Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.8	13.2
127	12.7	10.6	15.8





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. 0.006 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

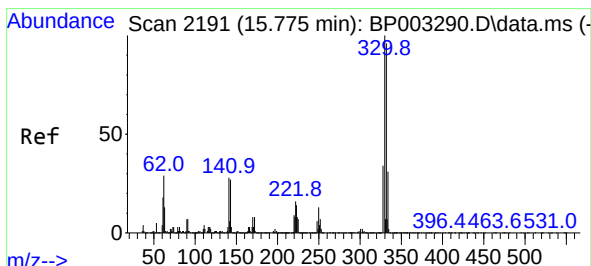
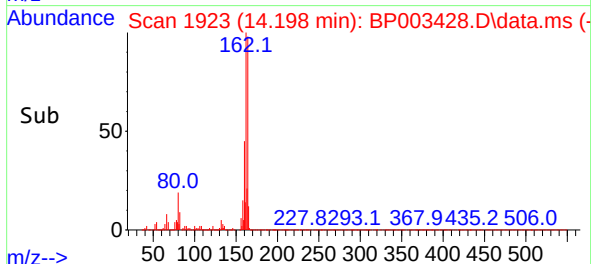
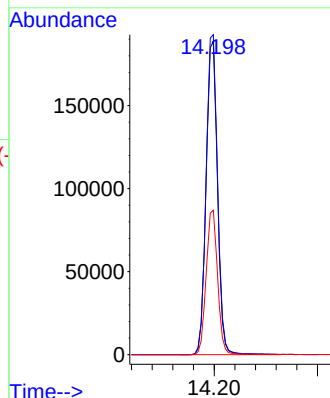
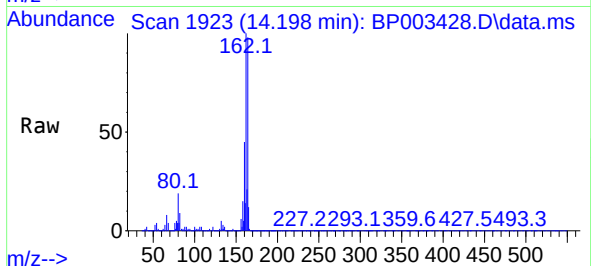
Tgt Ion:164 Resp: 287976
Ion Ratio Lower Upper
164 100
162 102.2 79.4 119.2
160 46.1 36.1 54.1

Instrument :
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Manual Integrations
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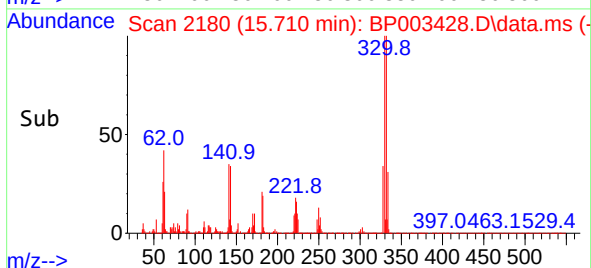
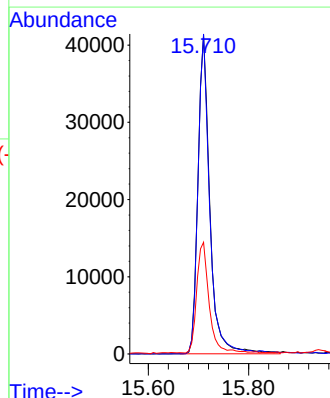
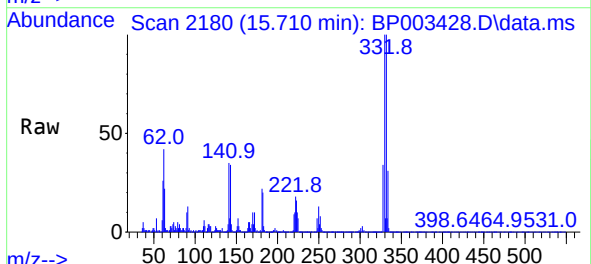
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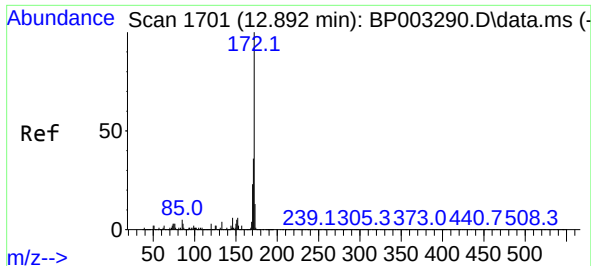
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#42
2,4,6-Tribromophenol
Concen: 15.50 ng
RT: 15.710 min Scan# 2180
Delta R.T. 0.018 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

Tgt Ion:330 Resp: 68098
Ion Ratio Lower Upper
330 100
332 97.7 77.1 115.7
141 35.9 23.4 35.2#





#45
2-Fluorobiphenyl
Concen: 11.64 ng
RT: 12.810 min Scan# 1687
Delta R.T. 0.006 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

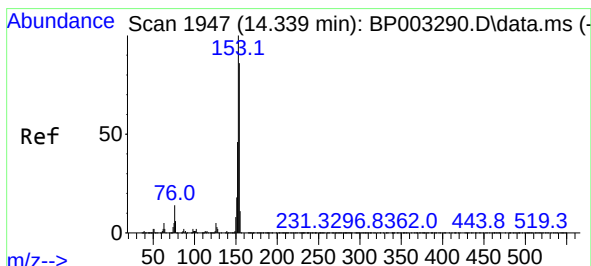
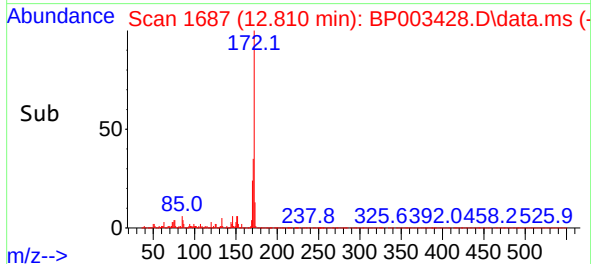
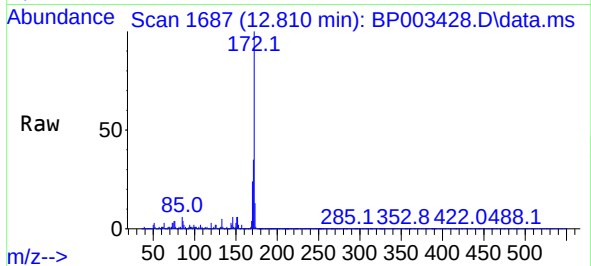
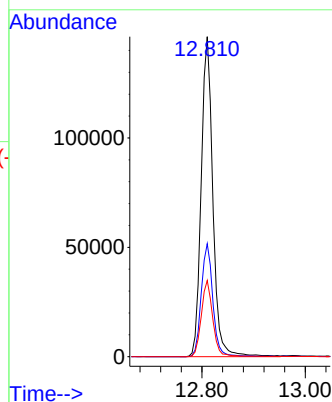
Tgt Ion:	172	Resp:	229275
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	23.8	19.2	28.8

Instrument :
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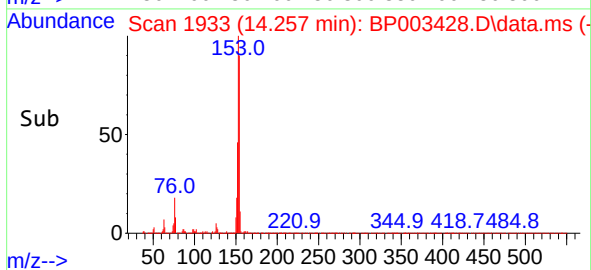
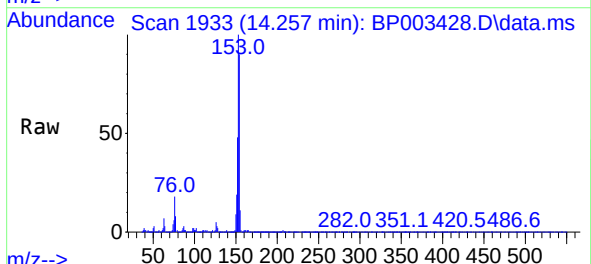
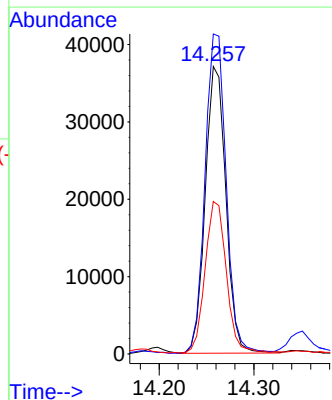
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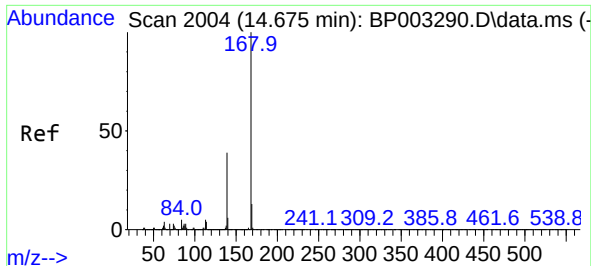
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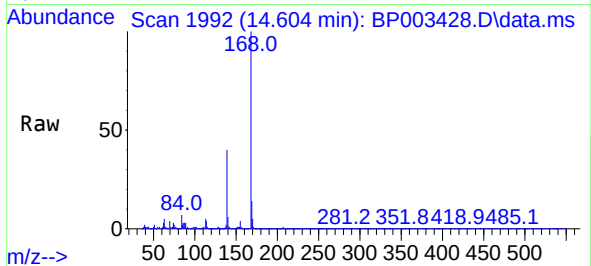
#52
Acenaphthene
Concen: 3.40 ng
RT: 14.257 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BP003428.D
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Tgt Ion:	154	Resp:	56282
Ion	Ratio	Lower	Upper
154	100		
153	111.3	91.0	136.6
152	53.0	43.0	64.6

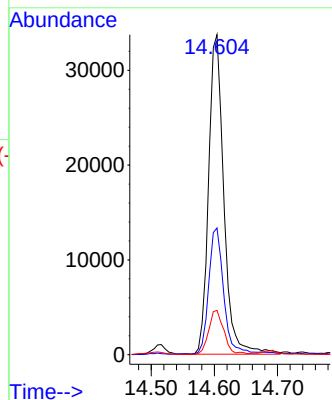




#55
Dibenzenofuran
Concen: 2.15 ng
RT: 14.604 min Scan# 1992
Delta R.T. 0.006 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27



Tgt Ion:168 Resp: 56650
Ion Ratio Lower Upper
168 100
139 39.6 29.1 43.7
169 13.9 10.4 15.6

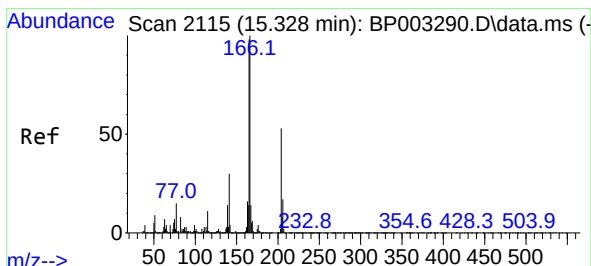


Instrument :
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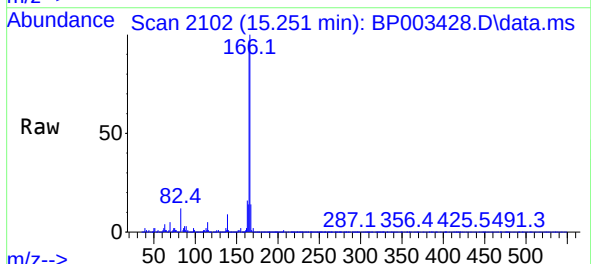
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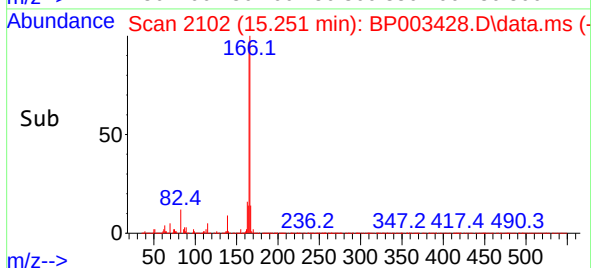
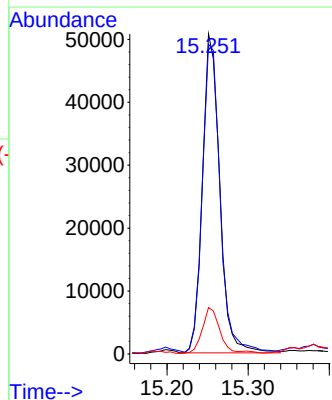
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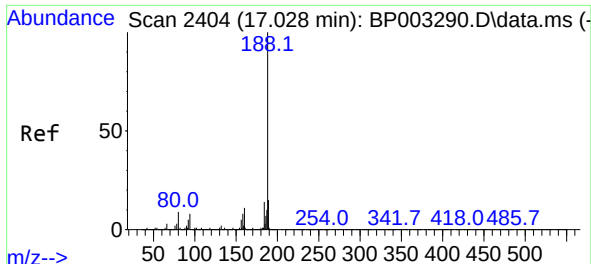


#58
Fluorene
Concen: 3.61 ng
RT: 15.251 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27



Tgt Ion:166 Resp: 75207
Ion Ratio Lower Upper
166 100
165 96.8 77.8 116.8
167 14.5 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.957 min Scan# 2392
Delta R.T. 0.012 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

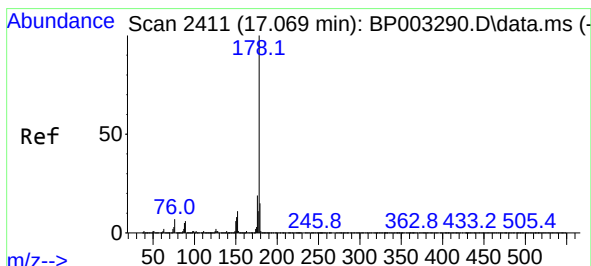
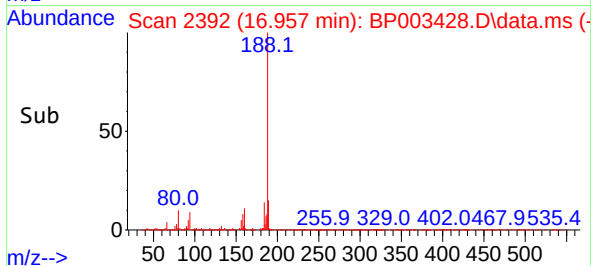
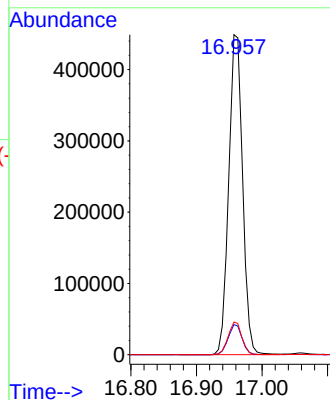
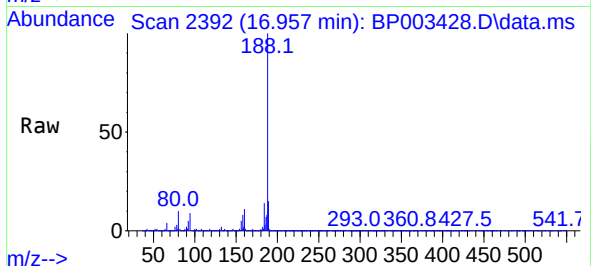
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.2	9.2#
80	10.2	6.2	9.2#

Instrument :
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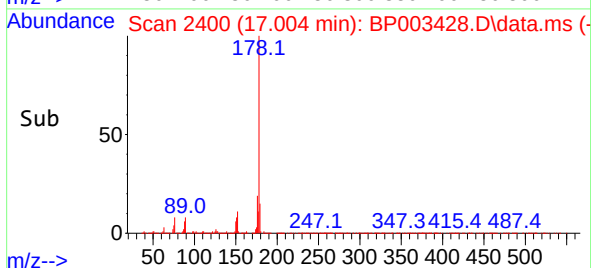
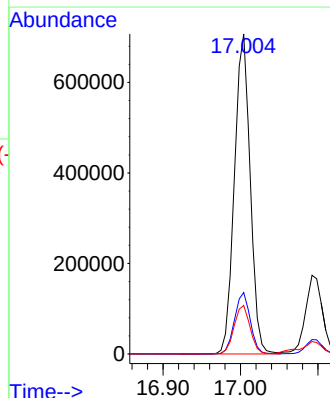
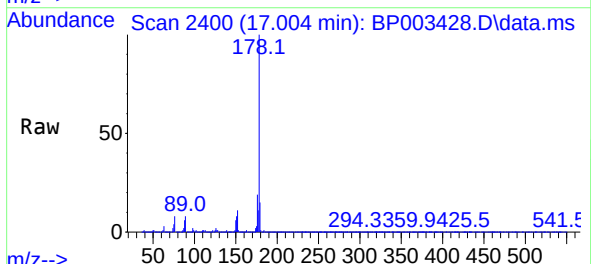
mohammad

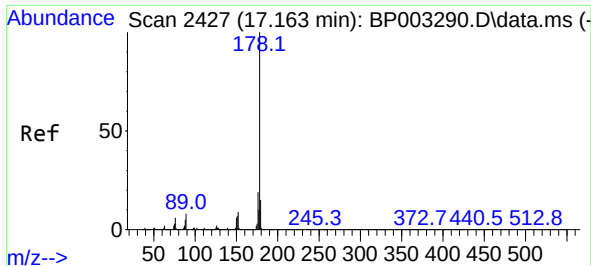
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#71
Phenanthrene
Concen: 27.94 ng
RT: 17.004 min Scan# 2400
Delta R.T. 0.012 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.2	12.5	18.7





#72
 Anthracene
 Concen: 7.33 ng
 RT: 17.092 min Scan# 2415
 Delta R.T. 0.012 min
 Lab File: BP003428.D
 Acq: 30 Sep 2020 23:27

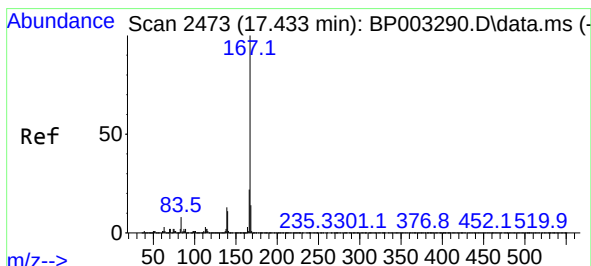
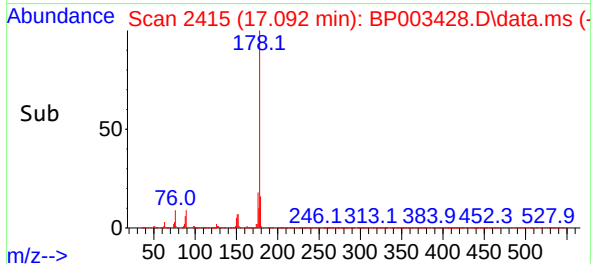
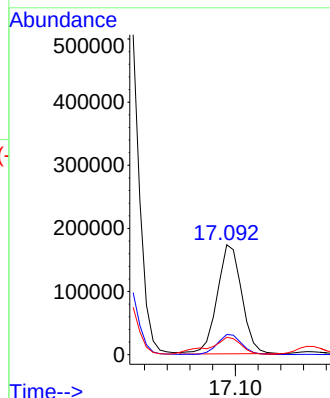
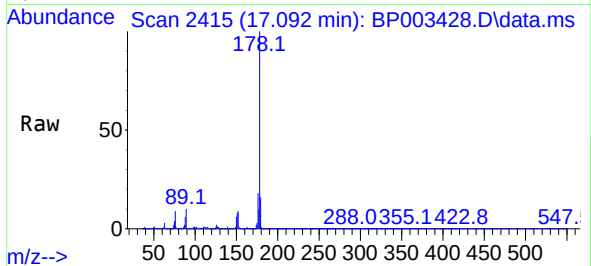
Tgt Ion:	178	Resp:	259382
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.0	22.4
179	15.8	12.5	18.7

Instrument :
 BNA_P
 ClientSampleId :
 B-6(7-9)DL

Manual Integrations
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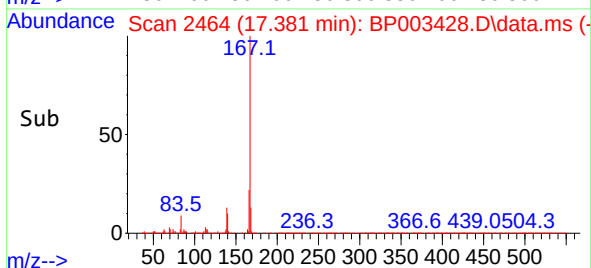
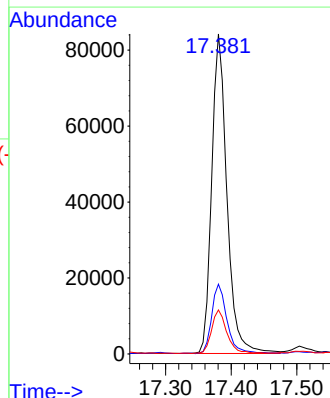
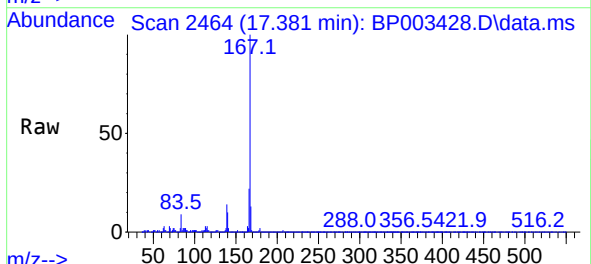
mohammad

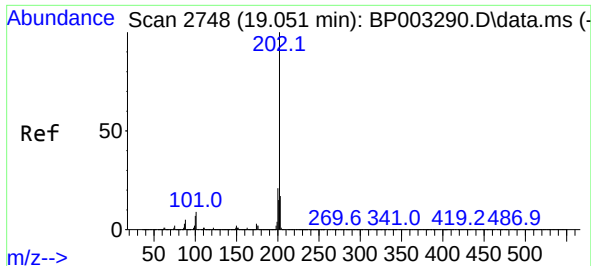
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#73
 Carbazole
 Concen: 4.05 ng
 RT: 17.381 min Scan# 2464
 Delta R.T. 0.018 min
 Lab File: BP003428.D
 Acq: 30 Sep 2020 23:27

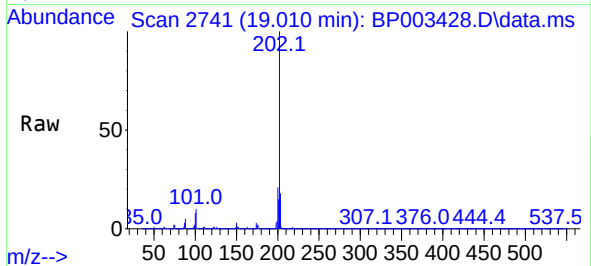
Tgt Ion:	167	Resp:	135975
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.6	26.4
139	13.8	10.2	15.4





#75
Fluoranthene
Concen: 31.39 ng
RT: 19.010 min Scan# 2741
Delta R.T. 0.029 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

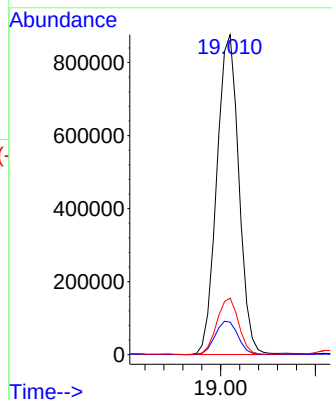
Instrument :
BNA_P
ClientSampleId :
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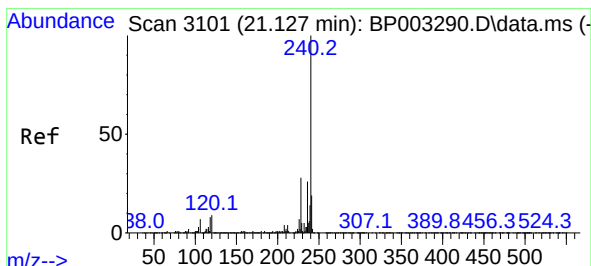
Tgt Ion:202 Resp: 1416051
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.4
203 17.6 0.0 37.8

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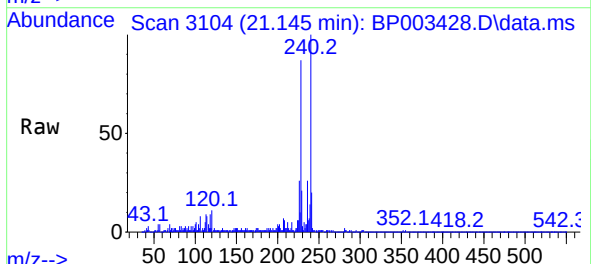
mohammad



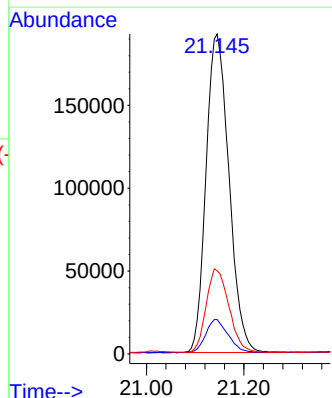
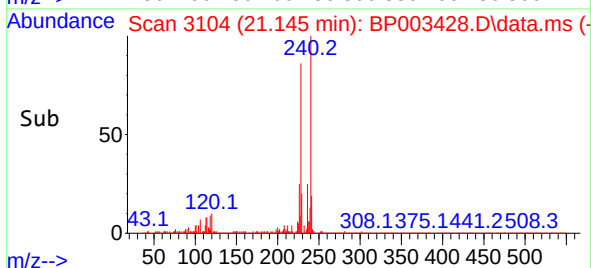
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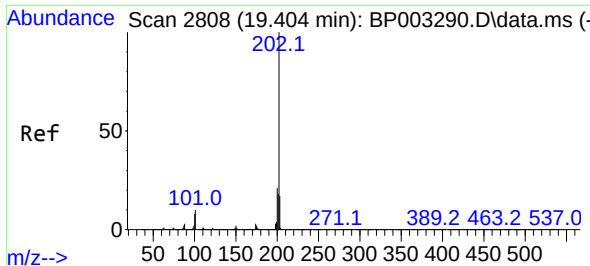


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.145 min Scan# 3104
Delta R.T. 0.082 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27



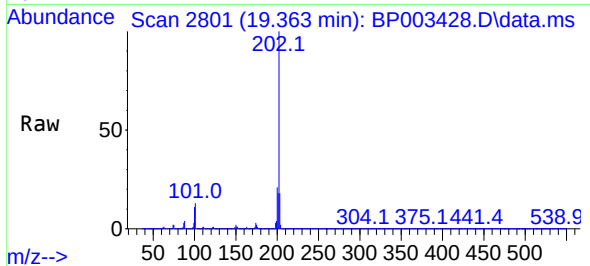
Tgt Ion:240 Resp: 627309
Ion Ratio Lower Upper
240 100
120 10.8 7.8 11.6
236 26.0 20.8 31.2





#78
 Pyrene
 Concen: 28.84 ng
 RT: 19.363 min Scan# 2801
 Delta R.T. 0.029 min
 Lab File: BP003428.D
 Acq: 30 Sep 2020 23:27

Instrument :
 BNA_P
 ClientSampleID :
 B-6(7-9)DL

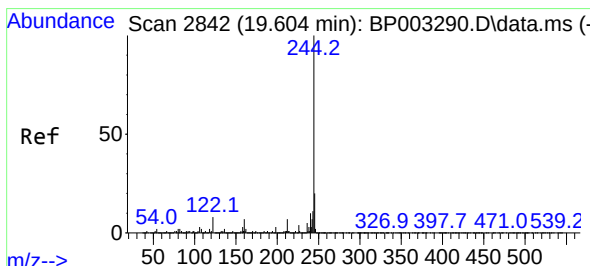
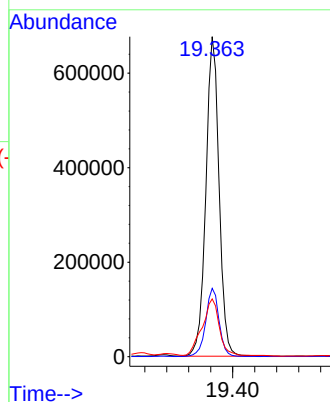


Tgt Ion:202 Resp: 1128253
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.1 25.7
 203 18.1 14.2 21.2

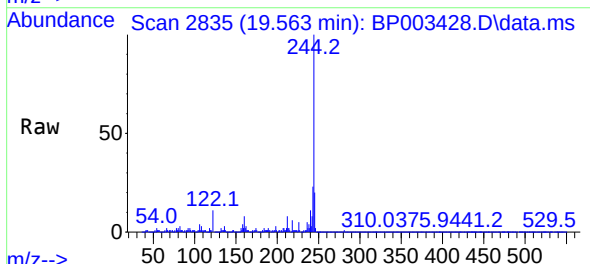
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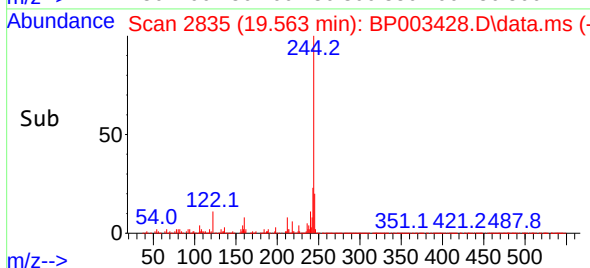
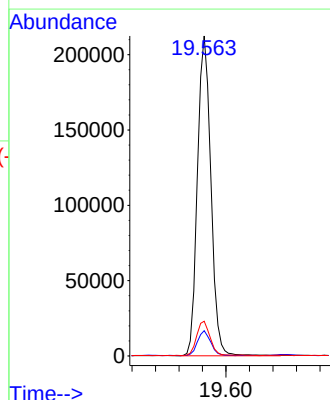
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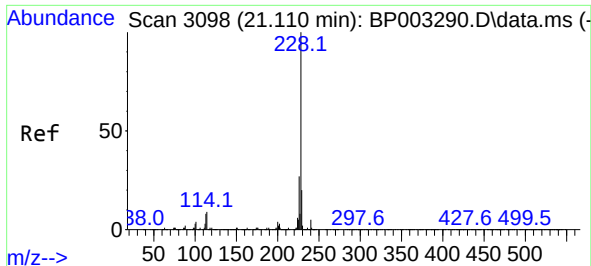


#79
 Terphenyl-d14
 Concen: 11.19 ng
 RT: 19.563 min Scan# 2835
 Delta R.T. 0.029 min
 Lab File: BP003428.D
 Acq: 30 Sep 2020 23:27



Tgt Ion:244 Resp: 336853
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.8 8.6
 122 10.8 7.8 11.8





#81
Benzo(a)anthracene
Concen: 15.42 ng
RT: 21.127 min Scan# 3101
Delta R.T. 0.082 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

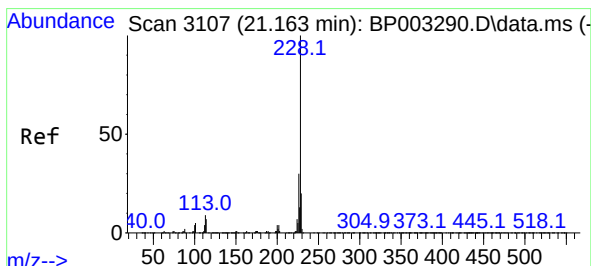
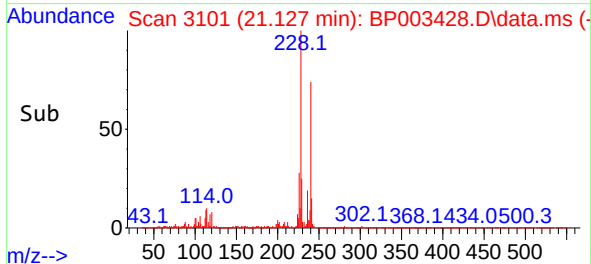
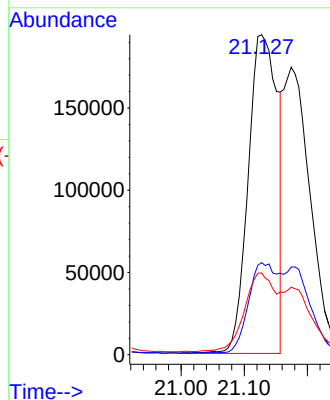
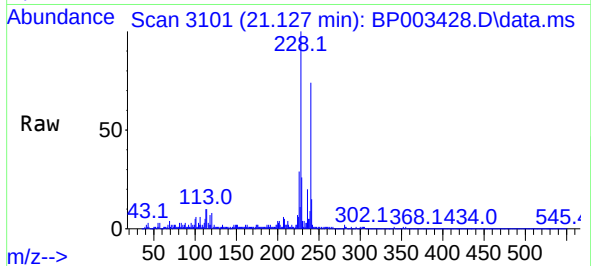
Tgt Ion:228 Resp: 625468
Ion Ratio Lower Upper
228 100
226 28.8 22.1 33.1
229 25.5 15.9 23.9#

Instrument :
BNA_P
ClientSampled :
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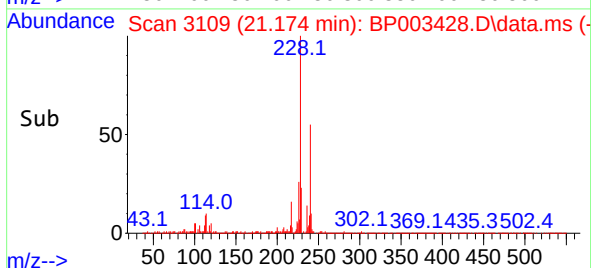
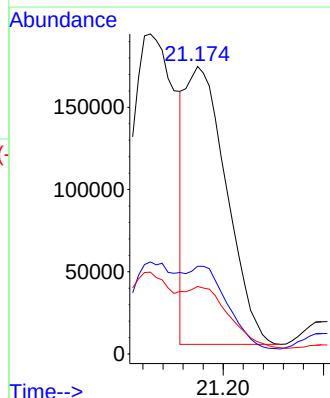
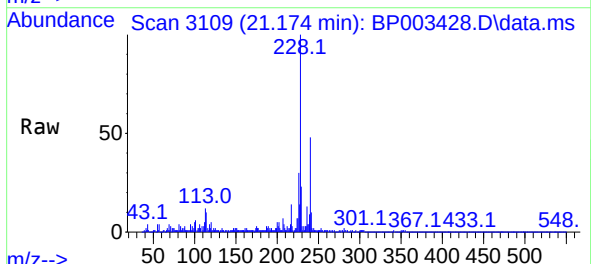
mohammad

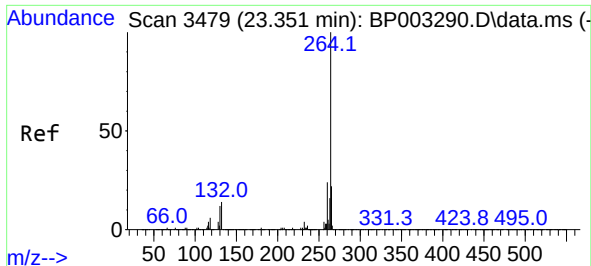
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#83
Chrysene
Concen: 12.32 ng m
RT: 21.174 min Scan# 3109
Delta R.T. 0.076 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

Tgt Ion:228 Resp: 479809
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 23.5 15.8 23.6





#86
Perylene-d12
Concen: 20.00 ng m
RT: 23.580 min Scan# 3518
Delta R.T. 0.323 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

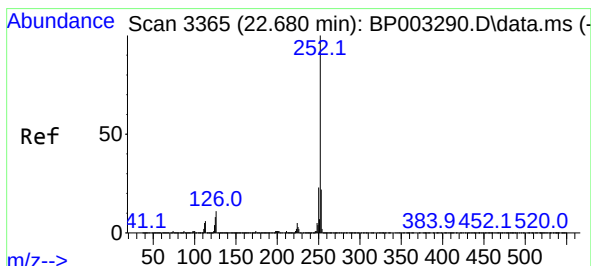
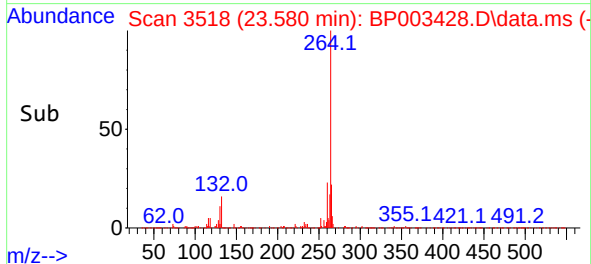
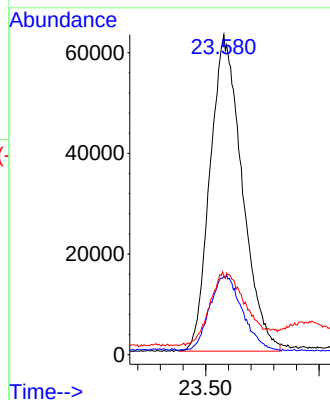
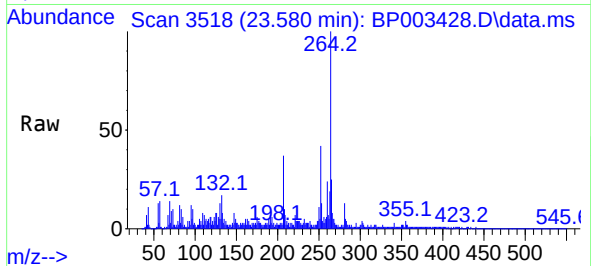
Tgt Ion:	264	Resp:	616828
Ion Ratio	Lower	Upper	
264	100		
260	24.5	18.8	28.2
265	24.7	17.4	26.2

Instrument :
BNA_P
ClientSampled :
B-6(7-9)DL

Manual Integrations
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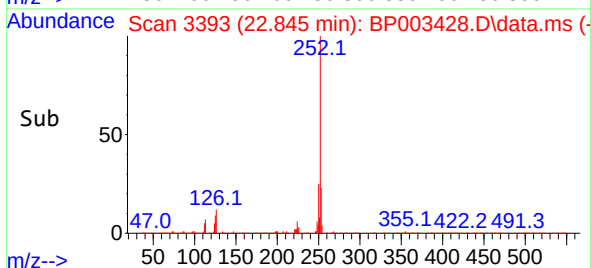
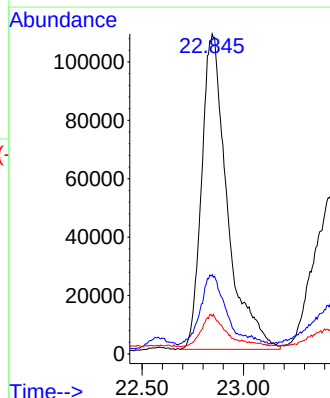
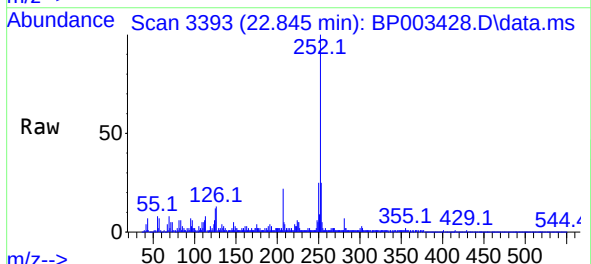
mohammad

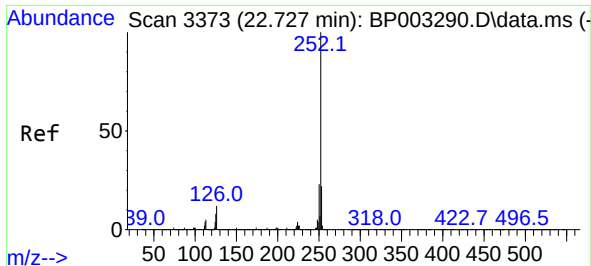
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#88
Benzo(b)fluoranthene
Concen: 24.32 ng
RT: 22.845 min Scan# 3393
Delta R.T. 0.253 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

Tgt Ion:	252	Resp:	947471
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.6	26.4
125	11.8	7.3	10.9#





#89
Benzo(k)fluoranthene
Concen: 23.78 ng m
RT: 23.463 min Scan# 3498
Delta R.T. 0.817 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

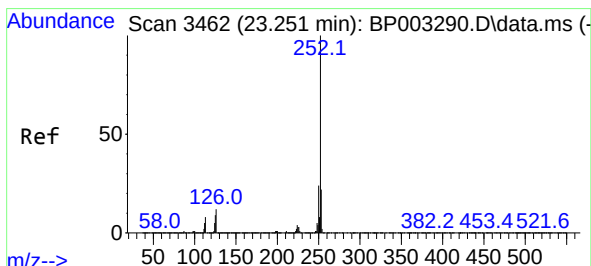
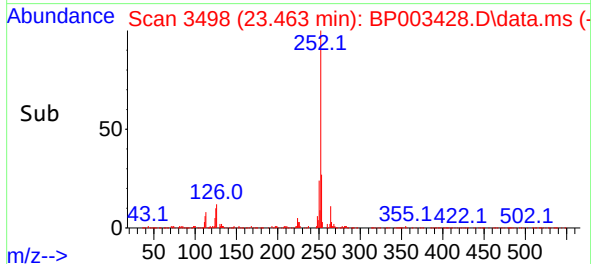
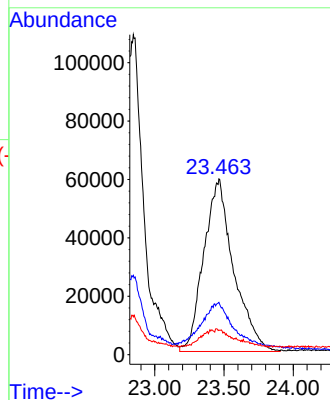
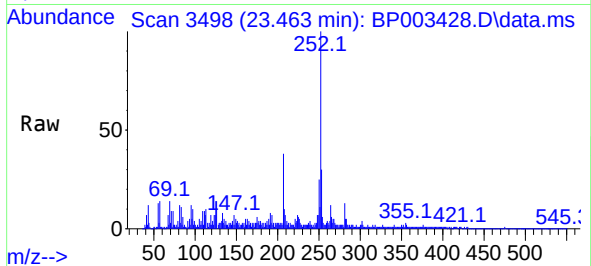
Tgt Ion:252 Resp: 887630
Ion Ratio Lower Upper
252 100
253 29.7 17.8 26.8#
125 14.1 7.4 11.2#

Instrument :
BNA_P
ClientSampleId :
B-6(7-9)DL

Manual Integrations
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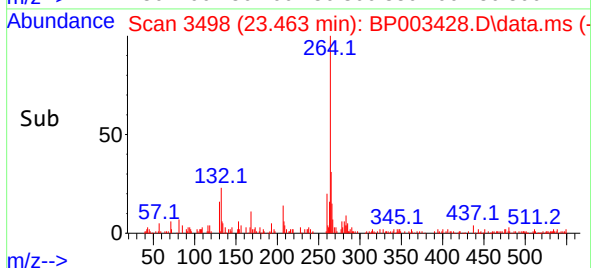
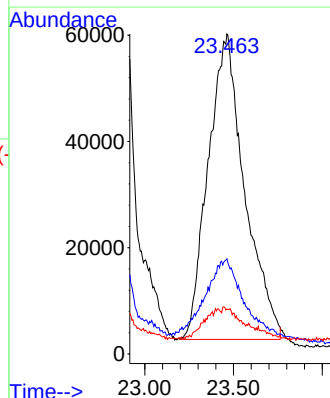
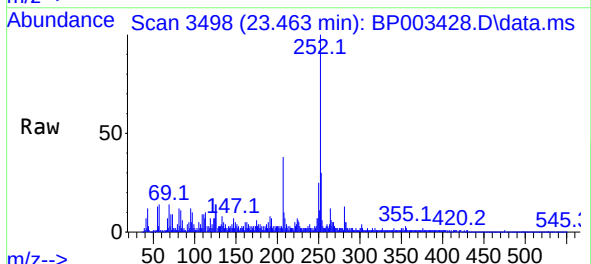
mohammad

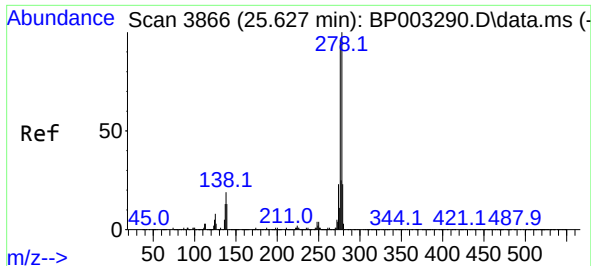
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#90
Benzo(a)pyrene
Concen: 22.30 ng
RT: 23.463 min Scan# 3498
Delta R.T. 0.300 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

Tgt Ion:252 Resp: 819011
Ion Ratio Lower Upper
252 100
253 29.7 17.4 26.0#
125 14.1 8.2 12.4#





#91
Dibenzo(a,h)anthracene
Concen: 7.57 ng m
RT: 26.333 min Scan# 3986
Delta R.T. 0.823 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

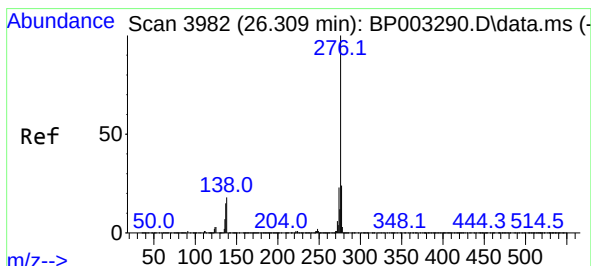
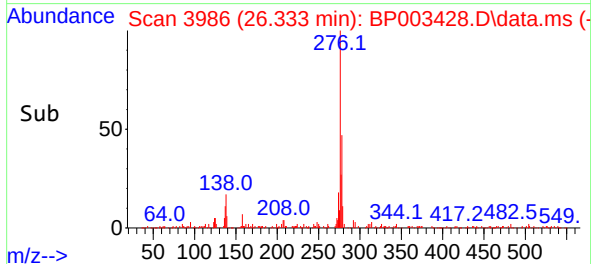
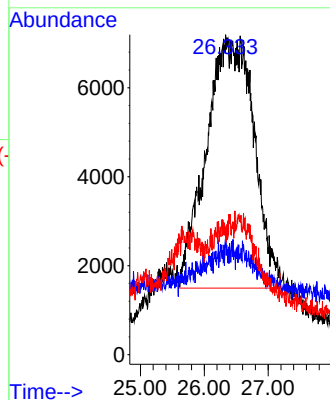
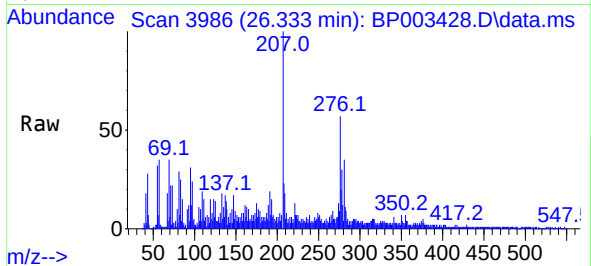
Tgt Ion: 278 Resp: 291893
Ion Ratio Lower Upper
278 100
139 34.5 12.4 18.6#
279 39.7 19.0 28.6#

Instrument :
BNA_P
ClientSampled :
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Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 9.90 ng m
RT: 26.315 min Scan# 3983
Delta R.T. 0.118 min
Lab File: BP003428.D
Acq: 30 Sep 2020 23:27

Tgt Ion: 276 Resp: 381219
Ion Ratio Lower Upper
276 100
277 32.7 19.0 28.6#
138 26.2 16.6 24.8#

