

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
 Data File : BP004490.D
 Acq On : 07 Jan 2021 20:54
 Operator : CG/JU
 Sample : M1021-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-010621

Manual Integrations
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Quant Time: Jan 08 00:08:40 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 07 14:50:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	405673	20.00	ng	0.00
21) Naphthalene-d8	10.610	136	1527118	20.00	ng	# 0.00
39) Acenaphthene-d10	14.463	164	772185	20.00	ng	0.00
64) Phenanthrene-d10	17.228	188	1306202	20.00	ng	# 0.00
76) Chrysene-d12	21.328	240	1219651	20.00	ng	0.00
86) Perylene-d12	23.686	264	1366124	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	1090883	44.06	ng	0.00
7) Phenol-d6	6.987	99	1471630	42.22	ng	0.00
23) Nitrobenzene-d5	8.969	82	920649	28.66	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	416328	40.41	ng	0.00
45) 2-Fluorobiphenyl	13.081	172	1998336	32.80	ng	0.00
79) Terphenyl-d14	19.792	244	1796045	28.22	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.663	128	223341	2.57	ng	99
38) 1-Methylnaphthalene	12.499	142	130294	2.26	ng	100
49) Acenaphthylene	14.187	152	324853	4.12	ng	99
52) Acenaphthene	14.528	154	340882	6.94	ng	98
55) Dibenzofuran	14.869	168	246756	3.17	ng	# 96
58) Fluorene	15.522	166	439274	7.20	ng	100
71) Phenanthrene	17.275	178	3842602	48.93	ng	100
72) Anthracene	17.363	178	1320922	17.81	ng	100
73) Carbazole	17.634	167	372381	5.42	ng	99
75) Fluoranthene	19.251	202	5481002	60.76	ng	99
78) Pyrene	19.598	202	5098216	61.33	ng	99
81) Benzo(a)anthracene	21.310	228	2548801	30.43	ng	97
83) Chrysene	21.363	228	2266159	28.08	ng	98
84) Bis(2-ethylhexyl)phtha...	21.233	149	14231	3.68	ng	# 59
87) Indeno(1,2,3-cd)pyrene	26.115	276	1436424	13.75	ng	# 94
88) Benzo(b)fluoranthene	22.974	252	2898542m	32.20	ng	
89) Benzo(k)fluoranthene	23.010	252	844048m	9.44	ng	
90) Benzo(a)pyrene	23.580	252	2301728	28.05	ng	97
91) Dibenzo(a,h)anthracene	26.115	278	362604	4.22	ng	# 88
92) Benzo(g,h,i)perylene	26.863	276	1543127	18.41	ng	96

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

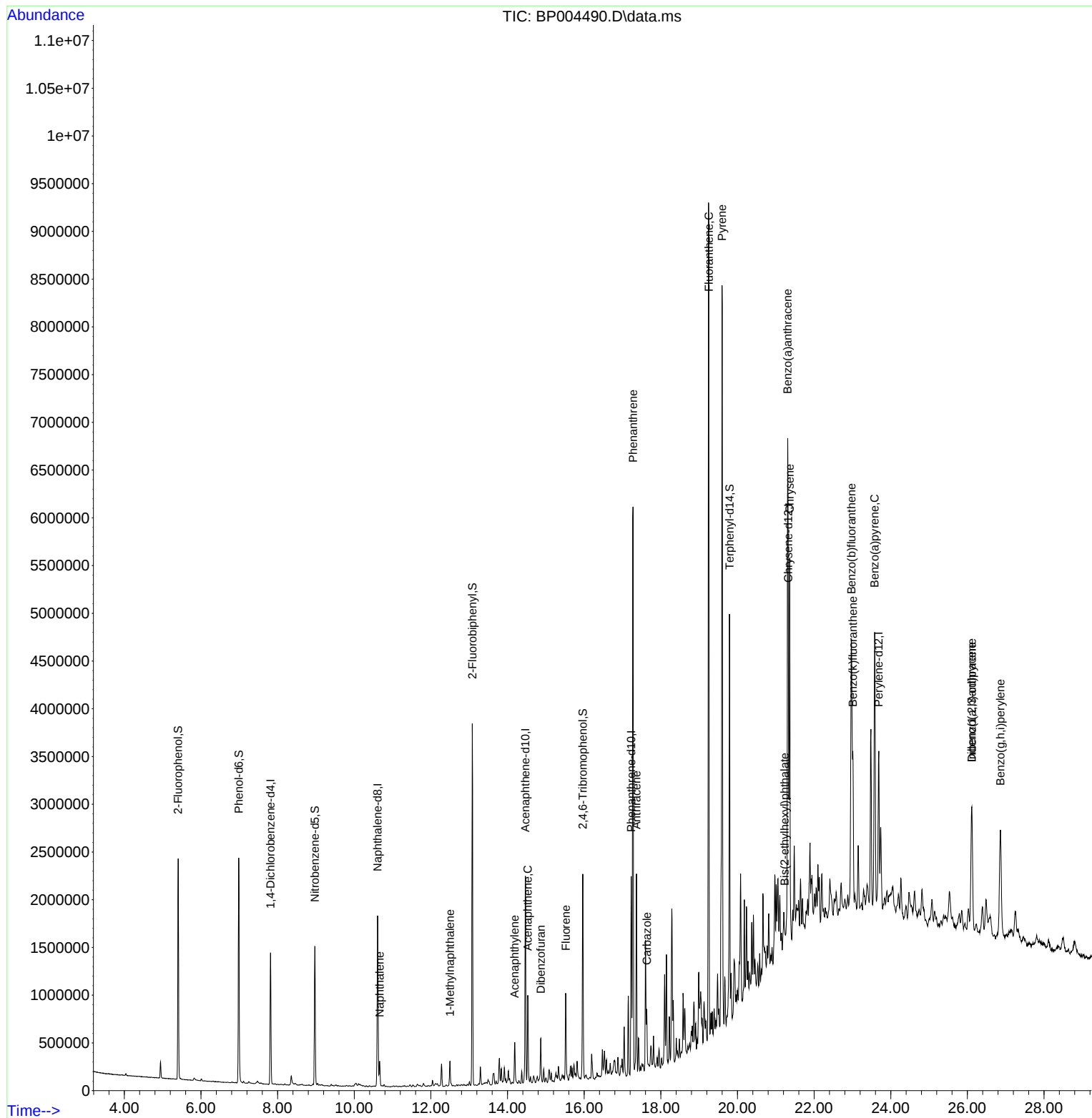
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

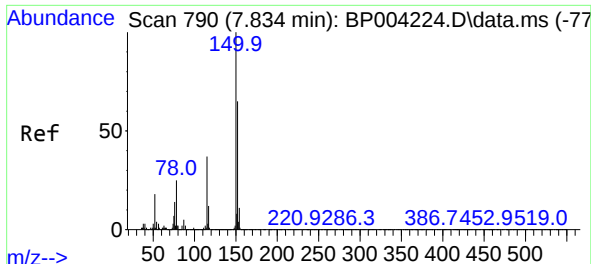
Instrument :
BNA_P
ClientSampled :
OK-02-010621

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Quant Time: Jan 08 00:08:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 07 14:50:44 2021
Response via : Initial Calibration





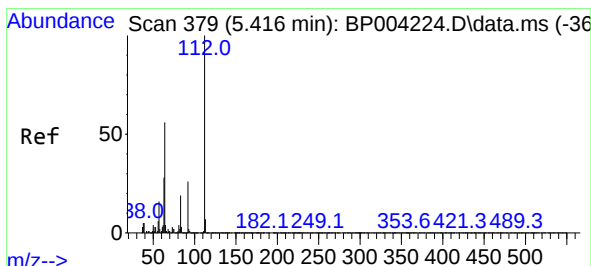
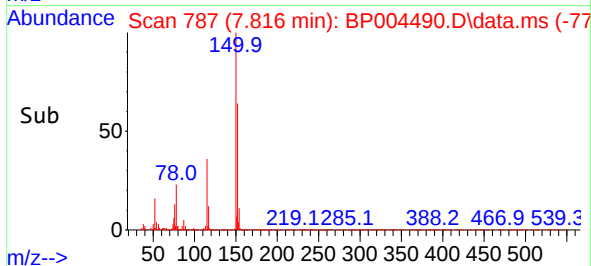
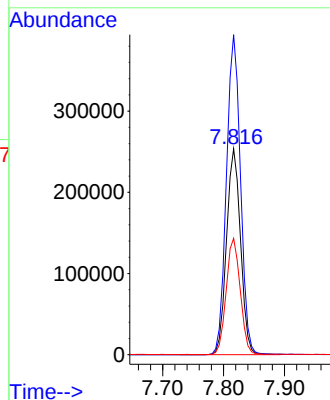
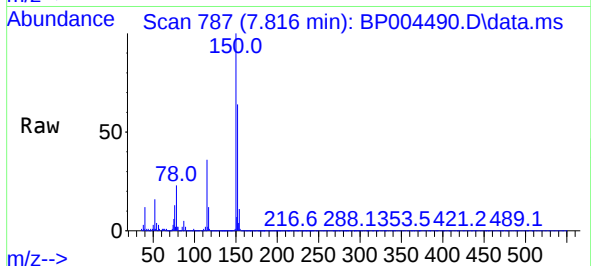
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.816 min Scan# 787
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

Tgt Ion:152 Resp: 405673
Ion Ratio Lower Upper
152 100
150 155.4 123.8 185.6
115 56.5 43.8 65.6

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

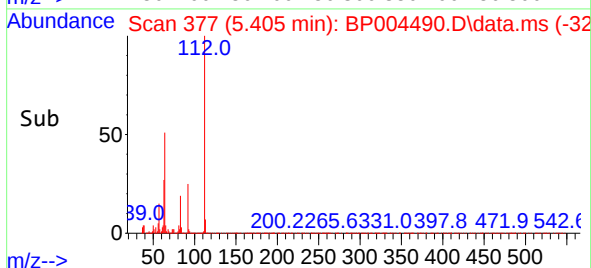
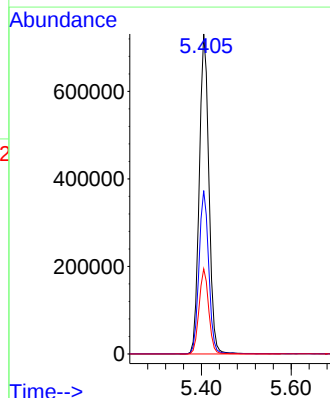
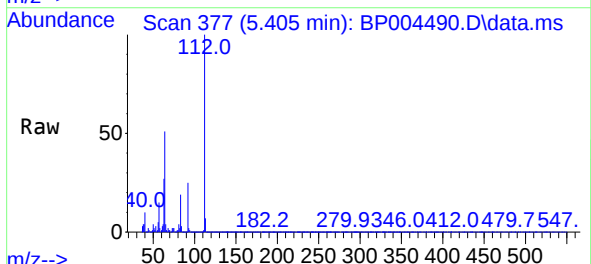
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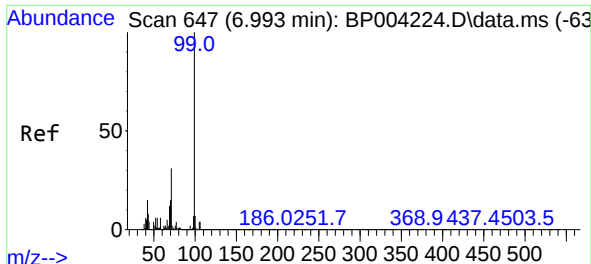
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#5
2-Fluorophenol
Concen: 44.06 ng
RT: 5.405 min Scan# 377
Delta R.T. 0.006 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

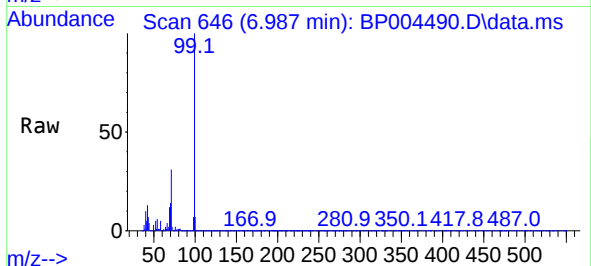
Tgt Ion:112 Resp: 1090883
Ion Ratio Lower Upper
112 100
64 51.1 32.8 49.2#
63 26.6 17.0 25.4#





#7
Phenol-d6
Concen: 42.22 ng
RT: 6.987 min Scan# 646
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

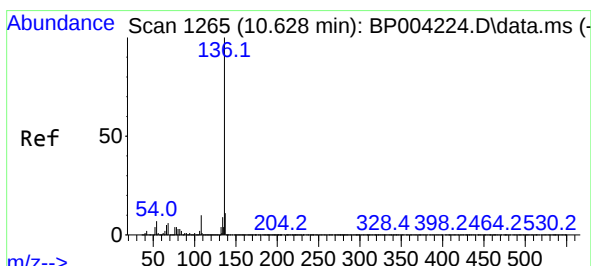
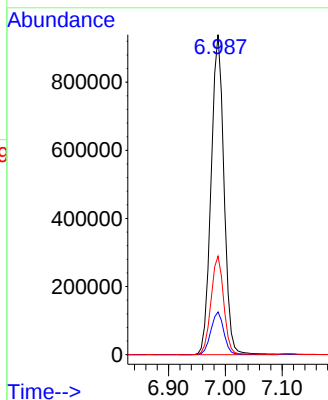
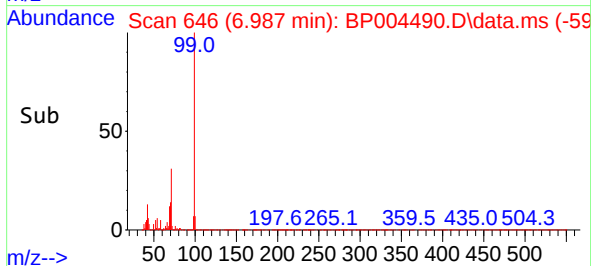
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BNA_P
ClientSampleId :
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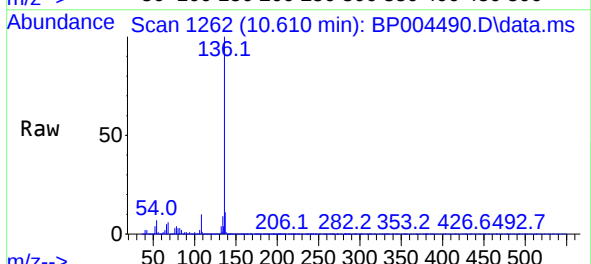
Tgt Ion: 99 Resp: 1471630
Ion Ratio Lower Upper
99 100
42 13.3 8.6 13.0#
71 30.8 23.4 35.2

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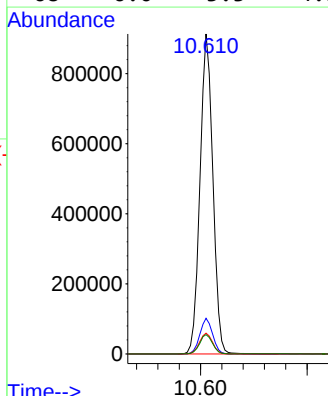
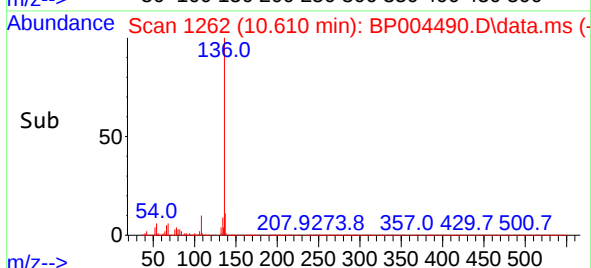
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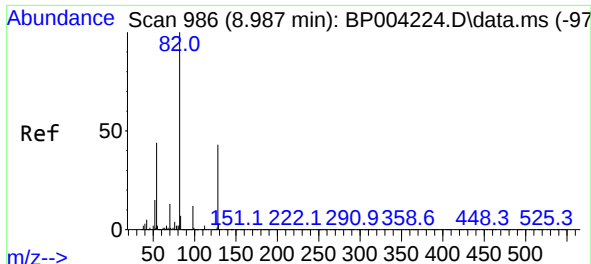


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.610 min Scan# 1262
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54



Tgt Ion: 136 Resp: 1527118
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 6.5 3.6 5.4#
68 6.0 3.3 4.9#





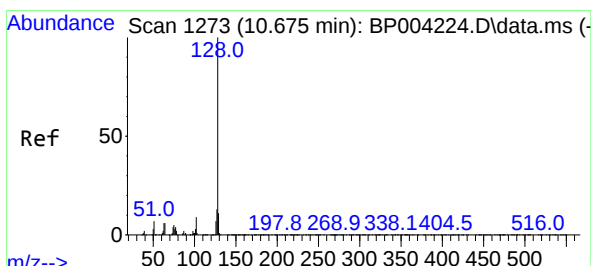
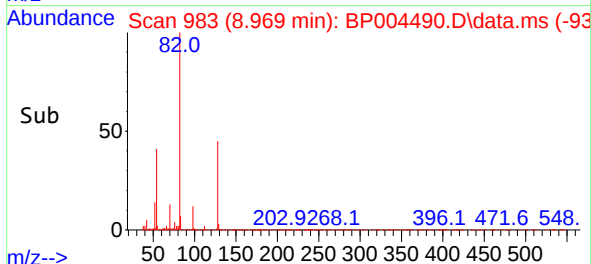
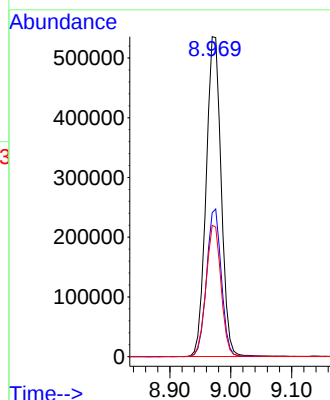
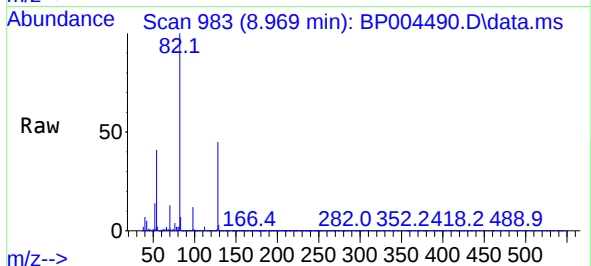
#23
Nitrobenzene-d5
Concen: 28.66 ng
RT: 8.969 min Scan# 983
Delta R.T. -0.006 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

Tgt Ion: 82 Resp: 920649
Ion Ratio Lower Upper
82 100
128 45.0 45.6 68.4#
54 41.0 30.1 45.1

Instrument :
BNA_P
ClientSampleId :
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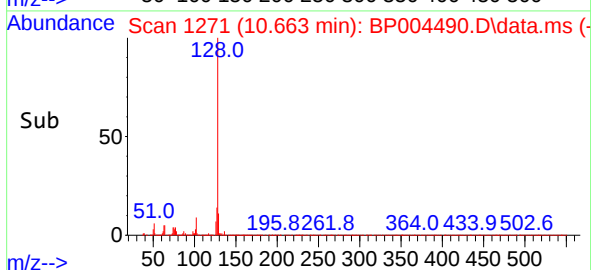
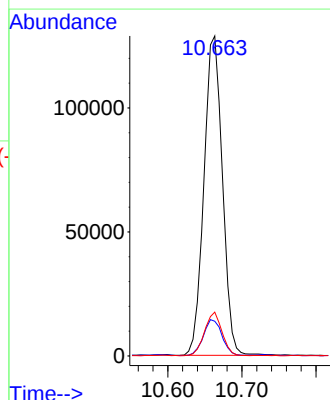
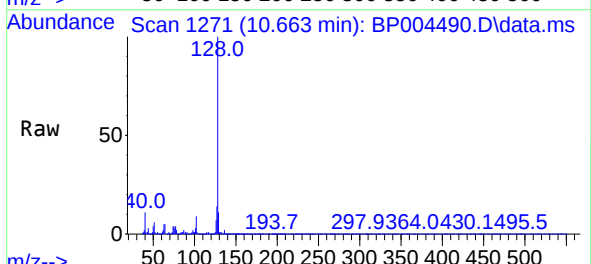
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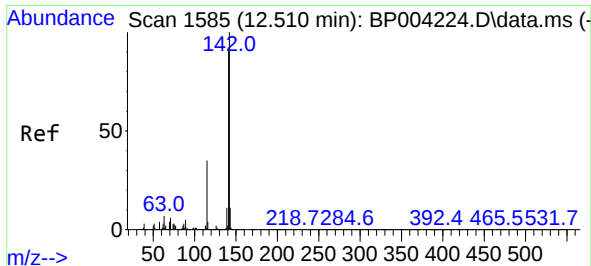
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#31
Naphthalene
Concen: 2.57 ng
RT: 10.663 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

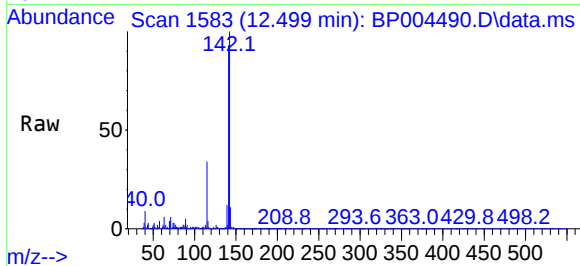
Tgt Ion: 128 Resp: 223341
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.7 10.6 15.8





#38
1-Methylnaphthalene
Concen: 2.26 ng
RT: 12.499 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

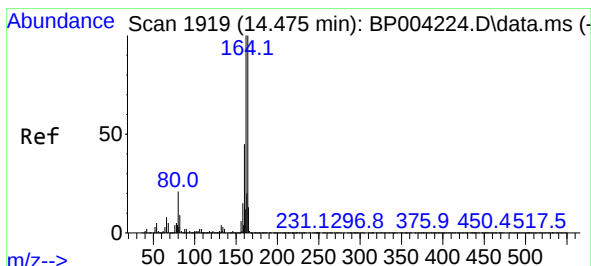
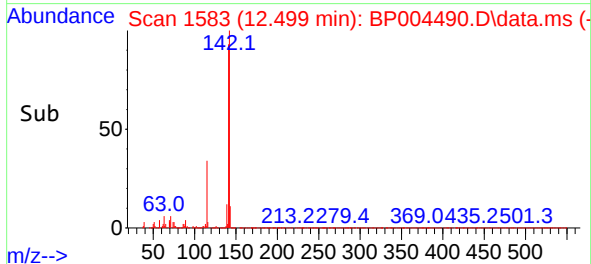
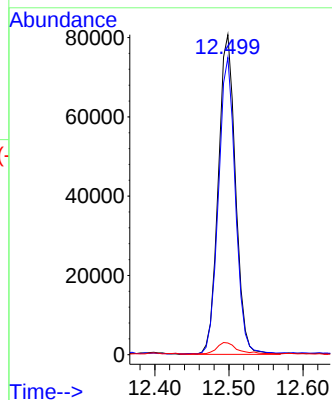
Instrument :
BNA_P
ClientSampleId :
OK-02-010621



Tgt Ion:142 Resp: 130294
Ion Ratio Lower Upper
142 100
141 92.9 74.4 111.6
116 3.6 2.9 4.3

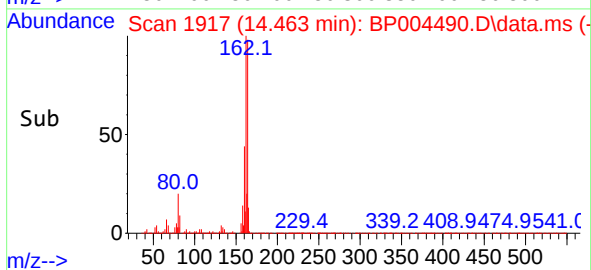
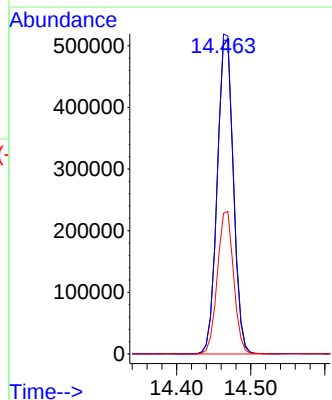
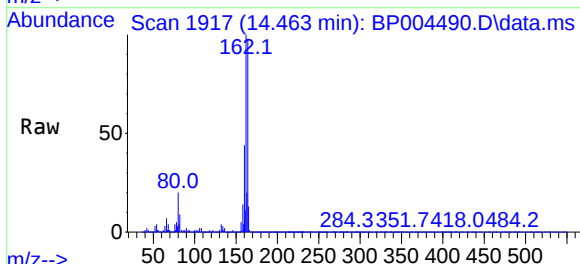
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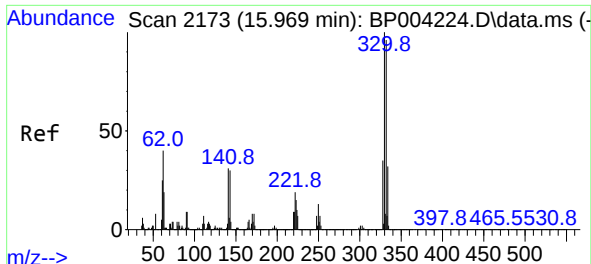
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.463 min Scan# 1917
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

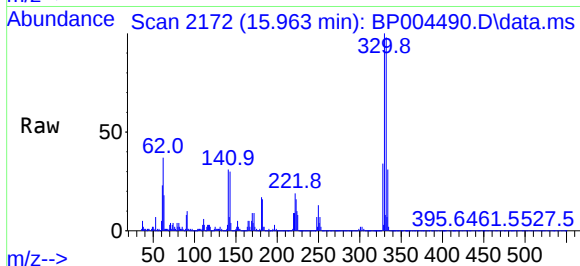
Tgt Ion:164 Resp: 772185
Ion Ratio Lower Upper
164 100
162 101.9 79.4 119.2
160 44.9 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 40.41 ng
RT: 15.963 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

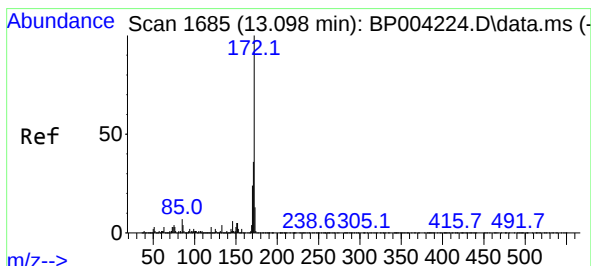
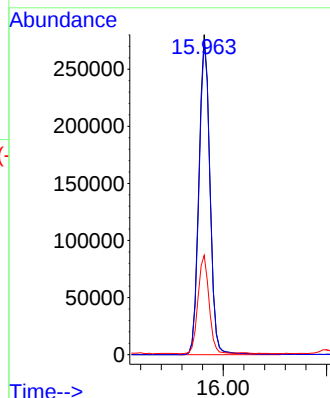
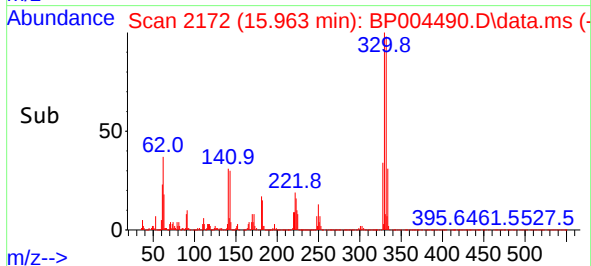
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BNA_P
ClientSampleId :
OK-02-010621



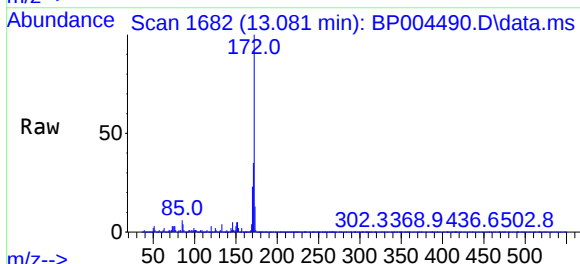
Tgt Ion:330 Resp: 416328
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 30.6 23.4 35.2

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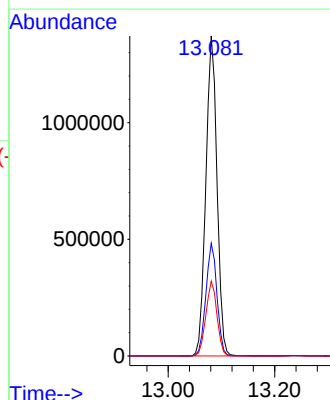
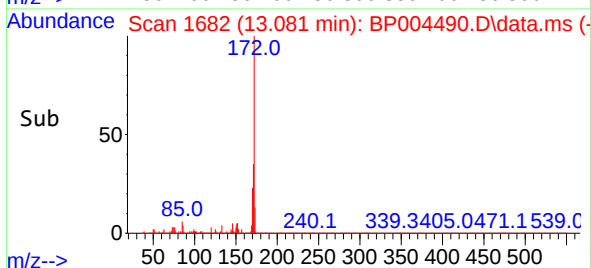
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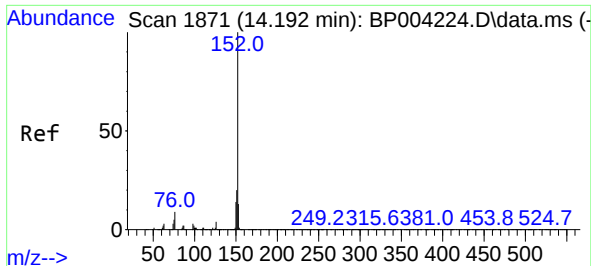


#45
2-Fluorobiphenyl
Concen: 32.80 ng
RT: 13.081 min Scan# 1682
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54



Tgt Ion:172 Resp: 1998336
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.4 19.2 28.8





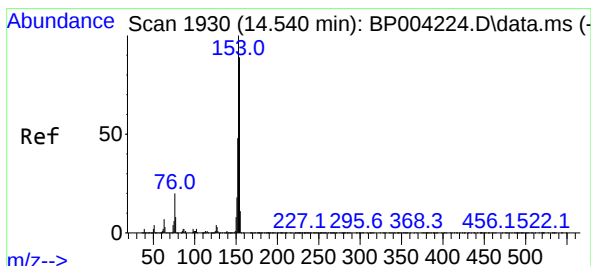
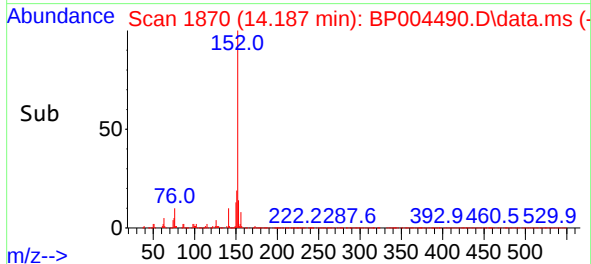
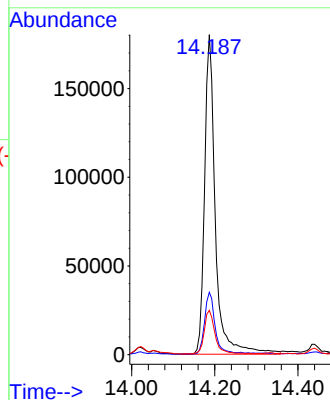
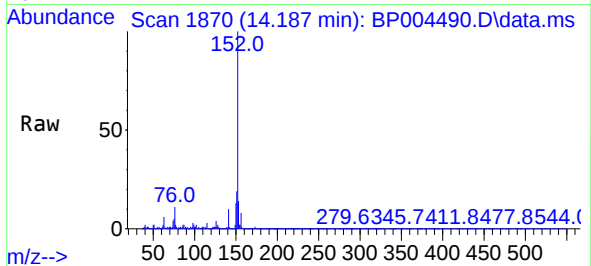
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Acenaphthylene
Concen: 4.12 ng
RT: 14.187 min Scan# 1870
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

Tgt Ion:152 Resp: 324853
Ion Ratio Lower Upper
152 100
151 19.5 15.9 23.9
153 13.9 10.5 15.7

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

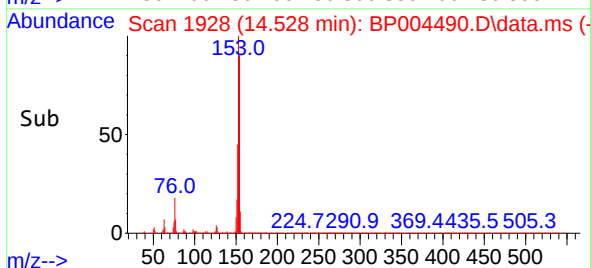
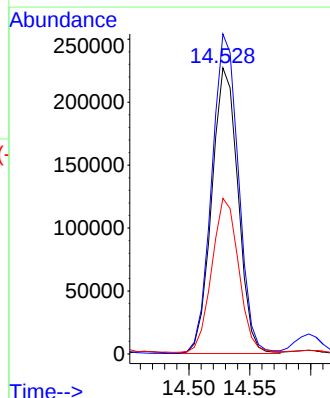
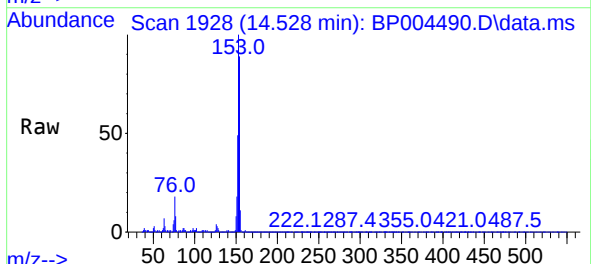
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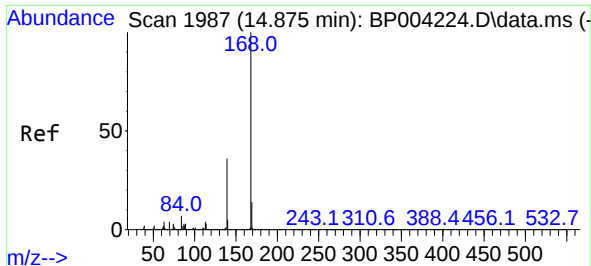
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#52
Acenaphthene
Concen: 6.94 ng
RT: 14.528 min Scan# 1928
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

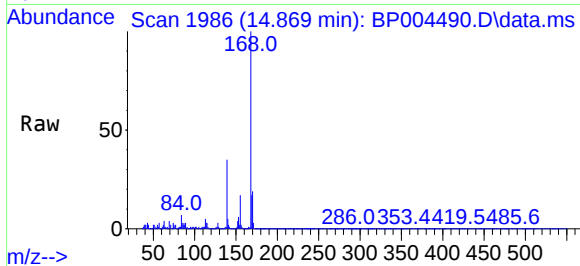
Tgt Ion:154 Resp: 340882
Ion Ratio Lower Upper
154 100
153 111.8 91.0 136.6
152 54.4 43.0 64.6





#55
Dibenzofuran
Concen: 3.17 ng
RT: 14.869 min Scan# 1986
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

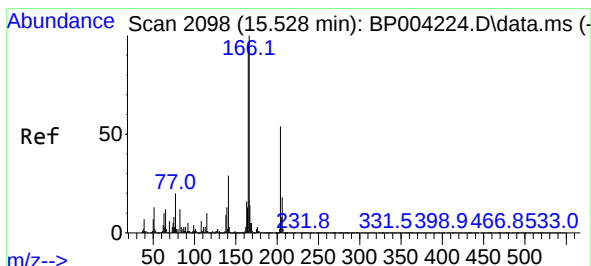
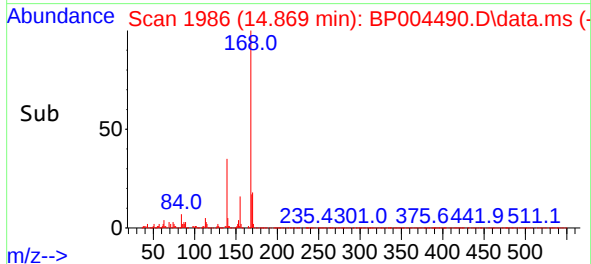
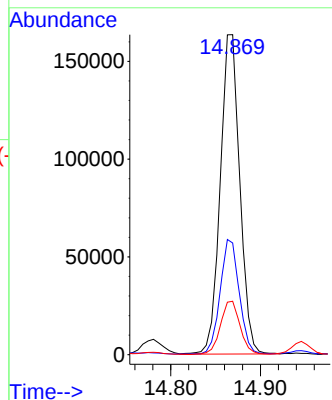
Instrument :
BNA_P
ClientSampleId :
OK-02-010621



Tgt Ion:168 Resp: 246756
Ion Ratio Lower Upper
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139 34.9 29.1 43.7
169 16.7 10.4 15.6#

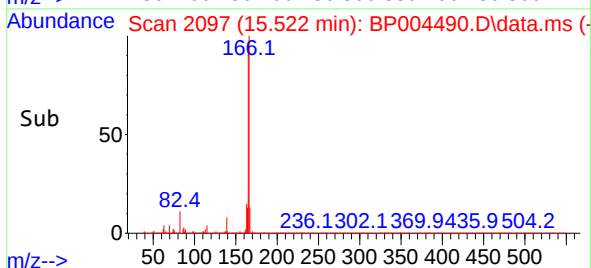
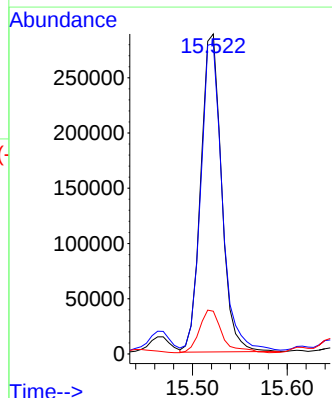
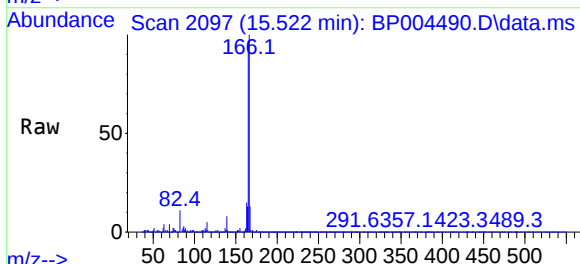
Manual Integrations
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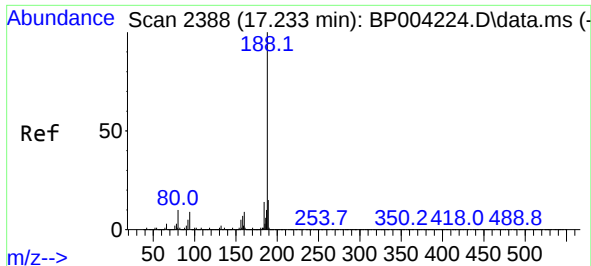
mohammad
1/8/2021 4:41:13 PM



#58
Fluorene
Concen: 7.20 ng
RT: 15.522 min Scan# 2097
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

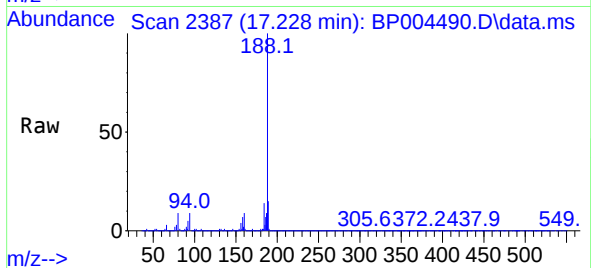
Tgt Ion:166 Resp: 439274
Ion Ratio Lower Upper
166 100
165 96.9 77.8 116.8
167 13.4 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.228 min Scan# 2387
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

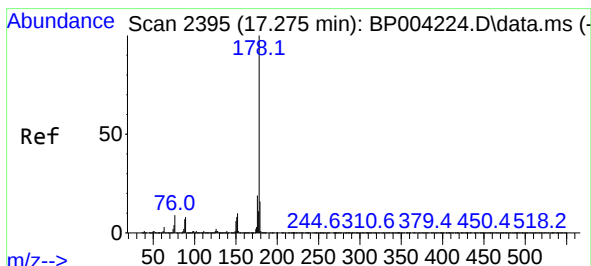
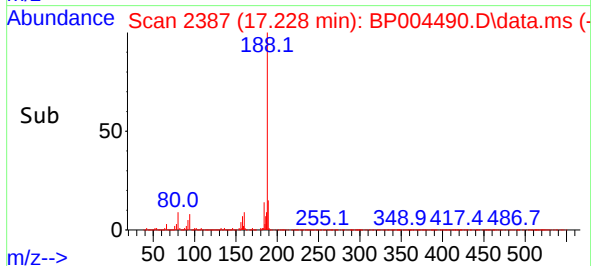
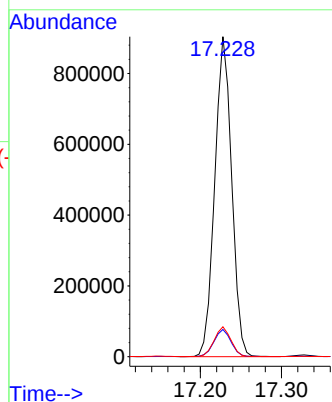
Instrument :
BNA_P
ClientSampleId :
OK-02-010621



Tgt Ion:188 Resp: 1306202
Ion Ratio Lower Upper
188 100
94 8.5 6.2 9.2
80 9.4 6.2 9.2#

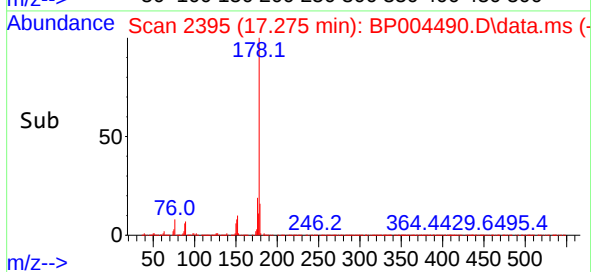
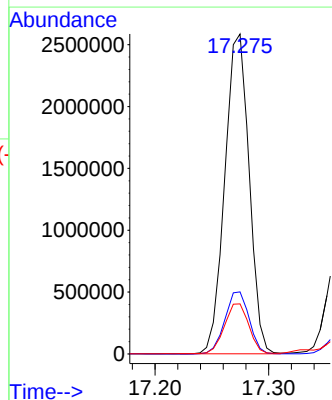
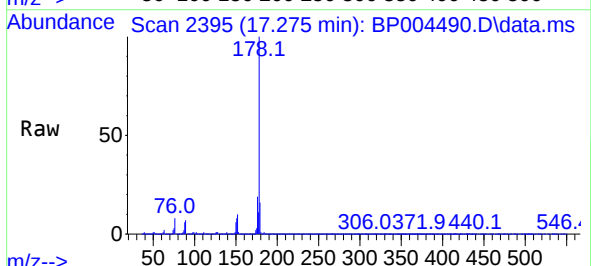
Manual Integrations
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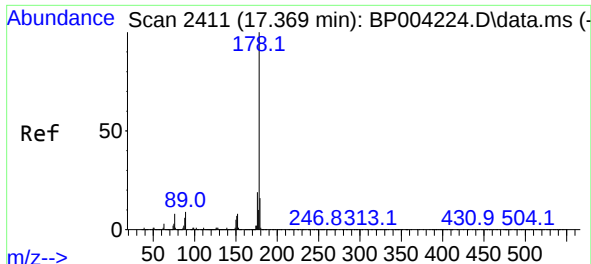
mohammad
1/8/2021 4:41:13 PM



#71
Phenanthrene
Concen: 48.93 ng
RT: 17.275 min Scan# 2395
Delta R.T. 0.006 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

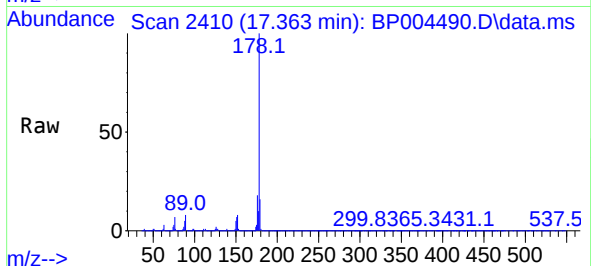
Tgt Ion:178 Resp: 3842602
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.6 12.5 18.7





#72
 Anthracene
 Concen: 17.81 ng
 RT: 17.363 min Scan# 2410
 Delta R.T. 0.000 min
 Lab File: BP004490.D
 Acq: 07 Jan 2021 20:54

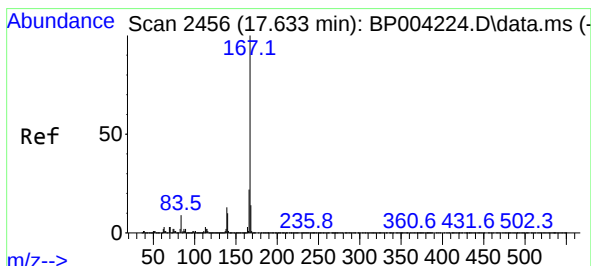
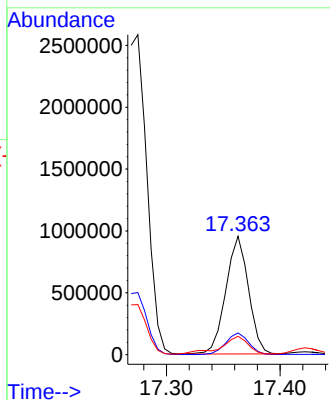
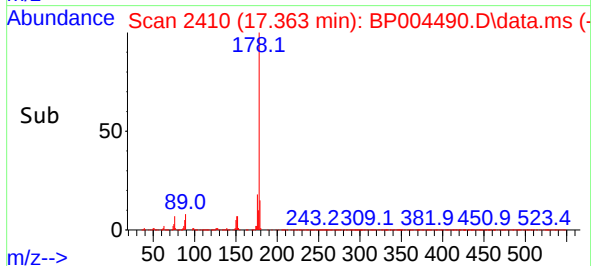
Instrument :
 BNA_P
 ClientSampleId :
 OK-02-010621



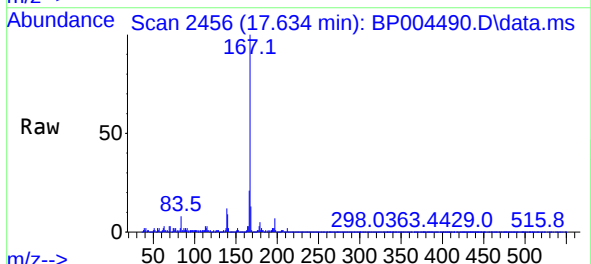
Tgt Ion:178 Resp: 1320922
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.0 22.4
 179 15.6 12.5 18.7

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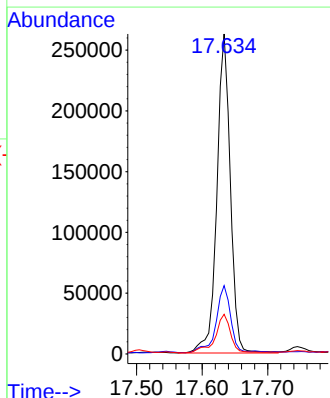
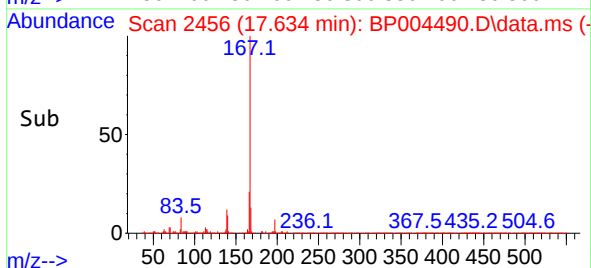
mohammad
 1/8/2021 4:41:13 PM

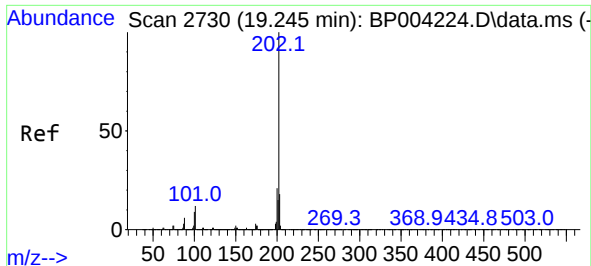


#73
 Carbazole
 Concen: 5.42 ng
 RT: 17.634 min Scan# 2456
 Delta R.T. 0.000 min
 Lab File: BP004490.D
 Acq: 07 Jan 2021 20:54



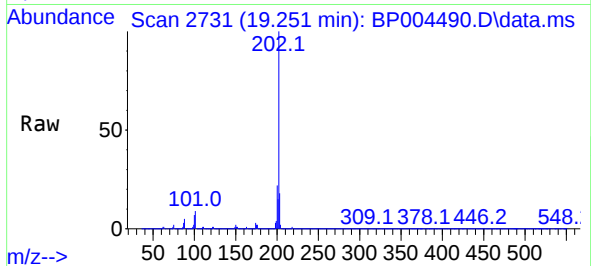
Tgt Ion:167 Resp: 372381
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.6 26.4
 139 12.4 10.2 15.4





#75
Fluoranthene
Concen: 60.76 ng
RT: 19.251 min Scan# 2731
Delta R.T. 0.006 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

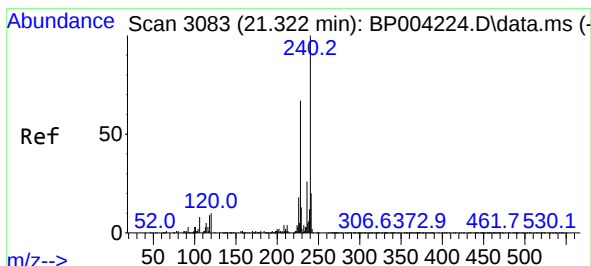
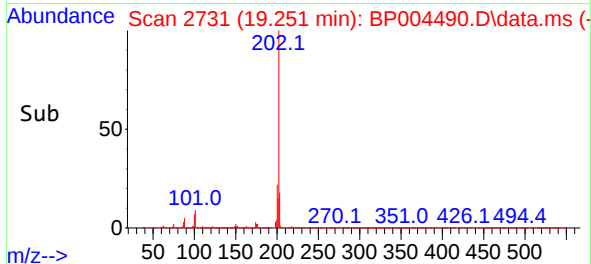
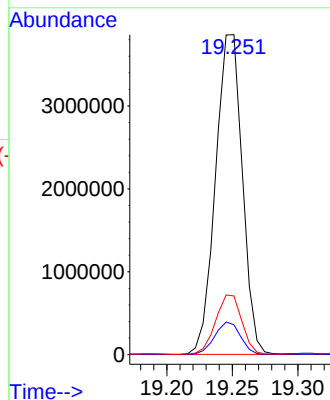
Instrument :
BNA_P
ClientSampleId :
OK-02-010621



Tgt Ion:202 Resp: 5481002
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.4
203 18.3 0.0 37.8

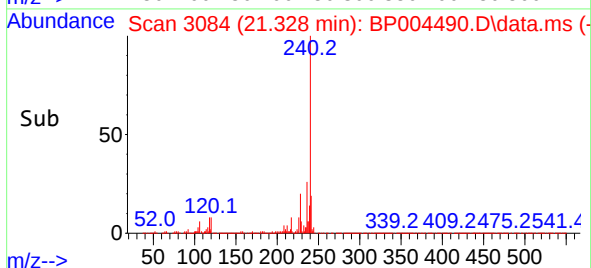
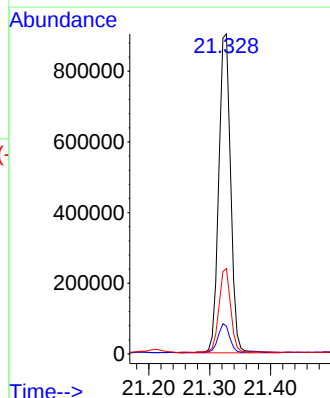
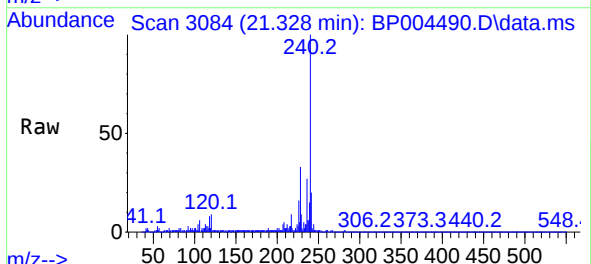
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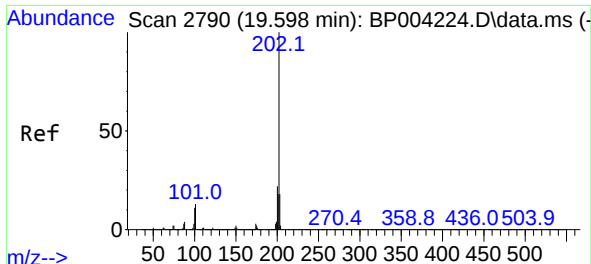
mohammad
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.328 min Scan# 3084
Delta R.T. 0.006 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

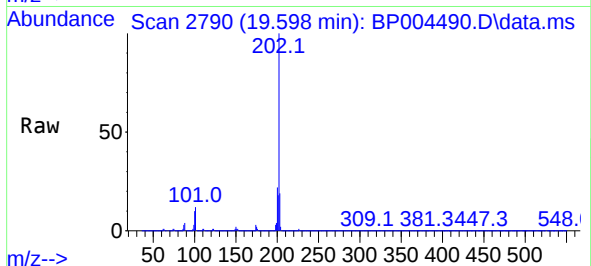
Tgt Ion:240 Resp: 1219651
Ion Ratio Lower Upper
240 100
120 8.7 7.8 11.6
236 26.7 20.8 31.2





#78
Pyrene
Concen: 61.33 ng
RT: 19.598 min Scan# 2790
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

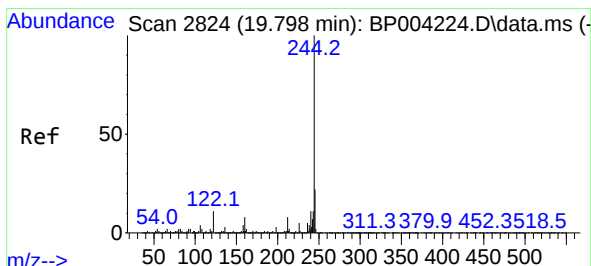
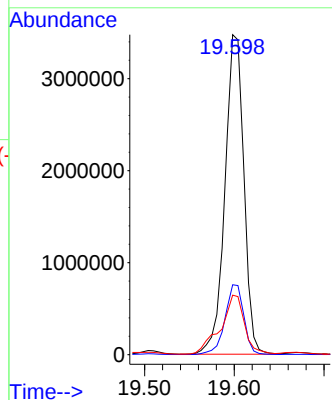
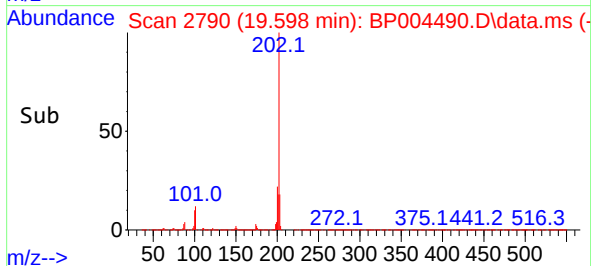
Instrument :
BNA_P
ClientSampleId :
OK-02-010621



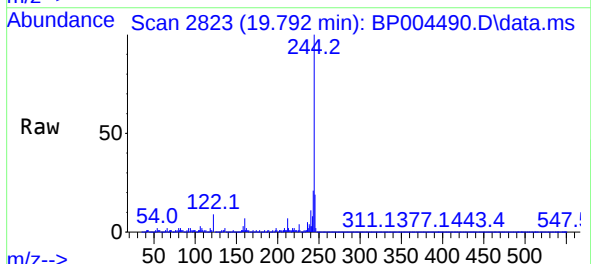
Tgt Ion:202 Resp: 5098216
Ion Ratio Lower Upper
202 100
200 21.9 17.1 25.7
203 18.6 14.2 21.2

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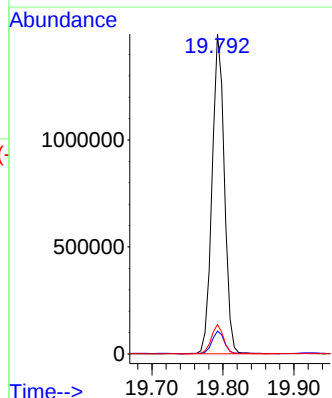
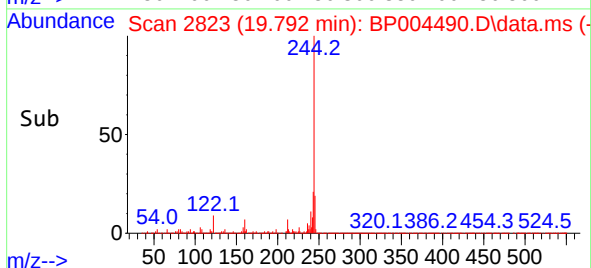
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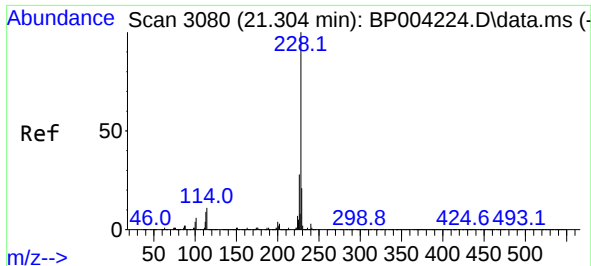


#79
Terphenyl-d14
Concen: 28.22 ng
RT: 19.792 min Scan# 2823
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54



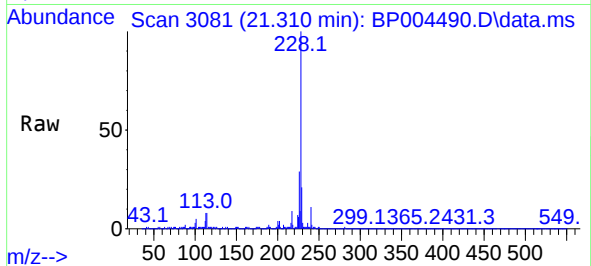
Tgt Ion:244 Resp: 1796045
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 9.2 7.8 11.8





#81
Benzo(a)anthracene
Concen: 30.43 ng
RT: 21.310 min Scan# 3081
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

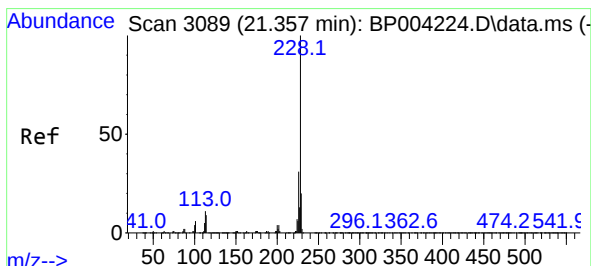
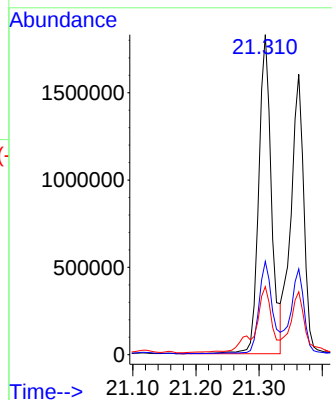
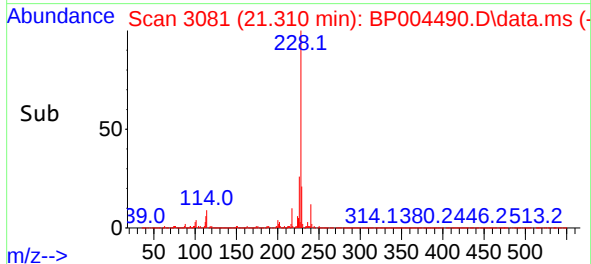
Instrument :
BNA_P
ClientSampleId :
OK-02-010621



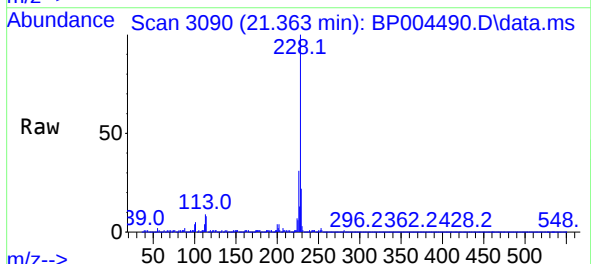
Tgt Ion:228 Resp: 2548801
Ion Ratio Lower Upper
228 100
226 29.2 22.1 33.1
229 21.3 15.9 23.9

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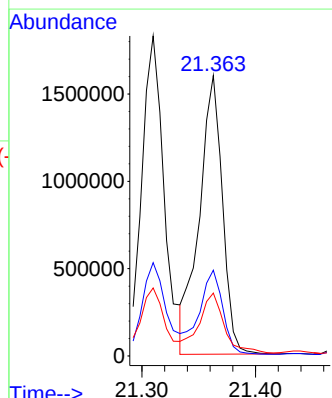
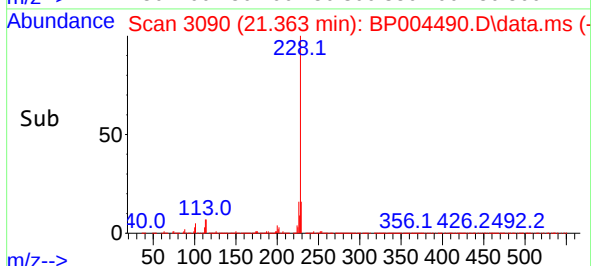
mohammad
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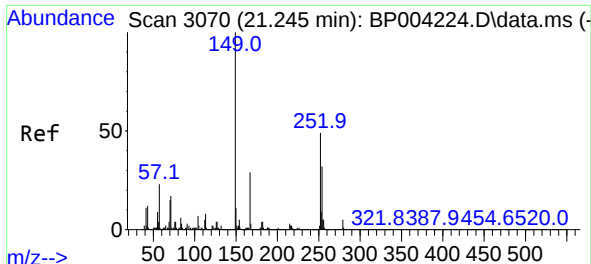


#83
Chrysene
Concen: 28.08 ng
RT: 21.363 min Scan# 3090
Delta R.T. 0.006 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54



Tgt Ion:228 Resp: 2266159
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.4 15.8 23.6





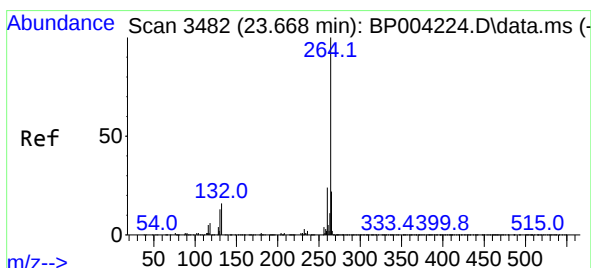
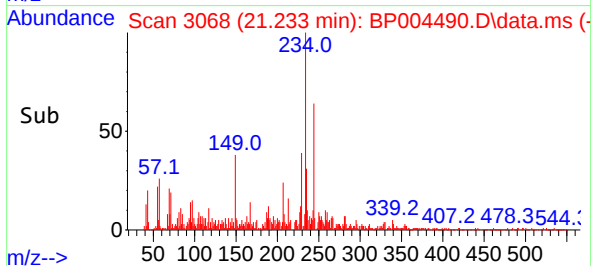
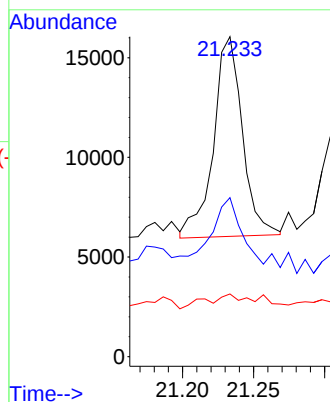
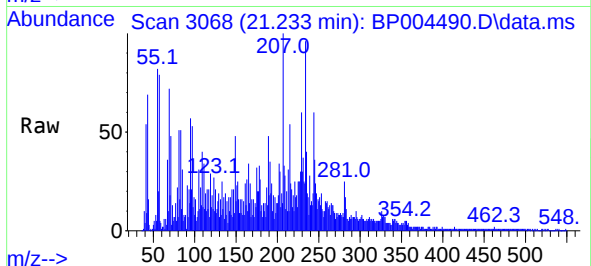
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.68 ng
RT: 21.233 min Scan# 3068
Delta R.T. 0.006 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

Tgt Ion:149 Resp: 14231
Ion Ratio Lower Upper
149 100
167 49.7 22.6 34.0#
279 19.6 4.2 6.2#

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

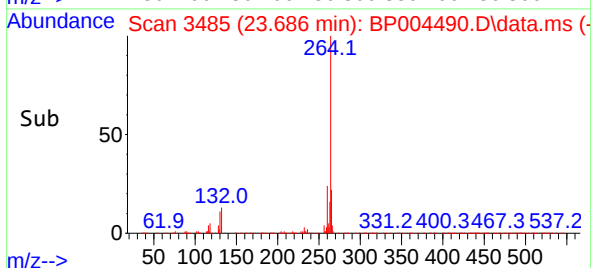
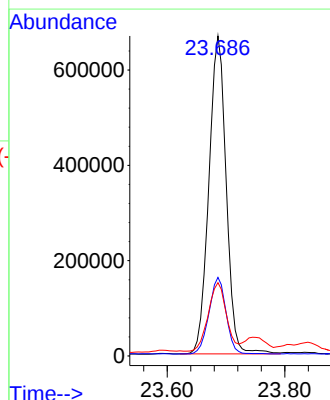
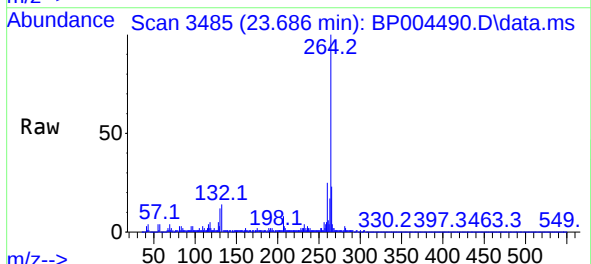
Manual Integrations
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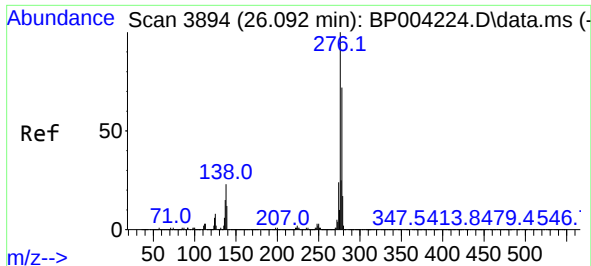
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.686 min Scan# 3485
Delta R.T. 0.012 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

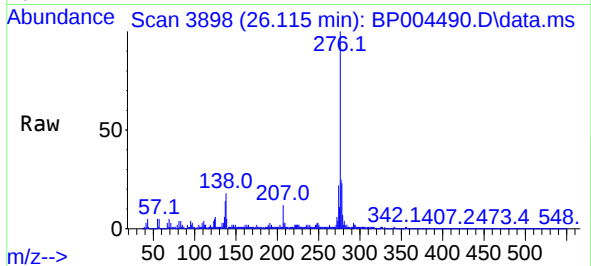
Tgt Ion:264 Resp: 1366124
Ion Ratio Lower Upper
264 100
260 24.5 18.8 28.2
265 22.9 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 13.75 ng
RT: 26.115 min Scan# 3898
Delta R.T. 0.012 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

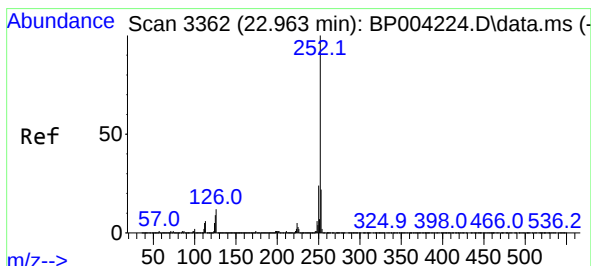
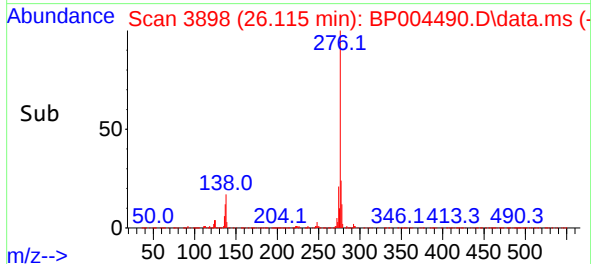
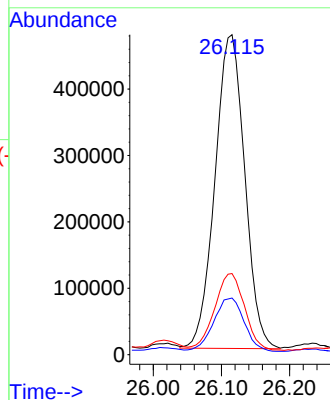
Instrument :
BNA_P
ClientSampleId :
OK-02-010621



Tgt Ion:276 Resp: 1436424
Ion Ratio Lower Upper
276 100
138 17.6 18.7 28.1#
277 24.8 20.4 30.6

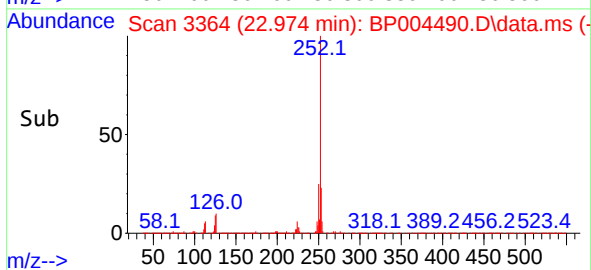
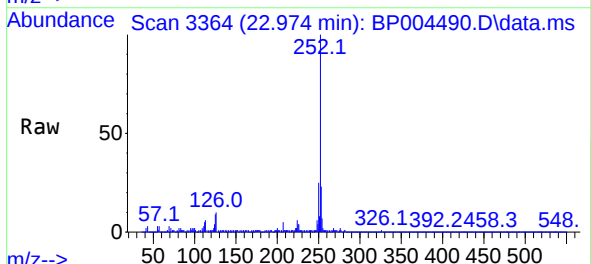
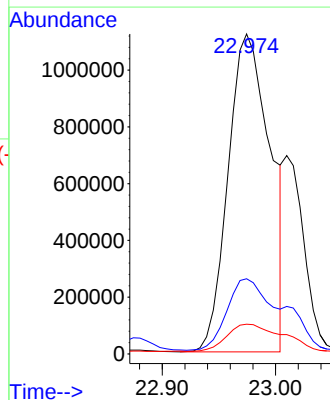
Manual Integrations
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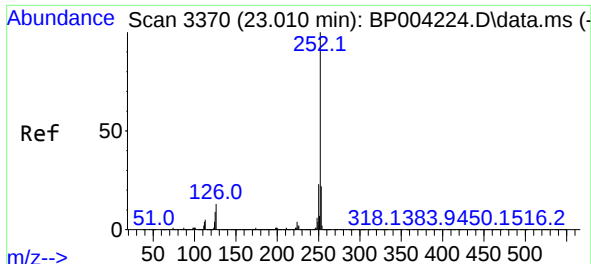
mohammad
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#88
Benzo(b)fluoranthene
Concen: 32.20 ng m
RT: 22.974 min Scan# 3364
Delta R.T. 0.012 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

Tgt Ion:252 Resp: 2898542
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 9.3 7.3 10.9





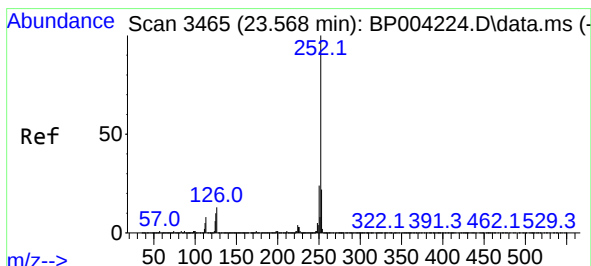
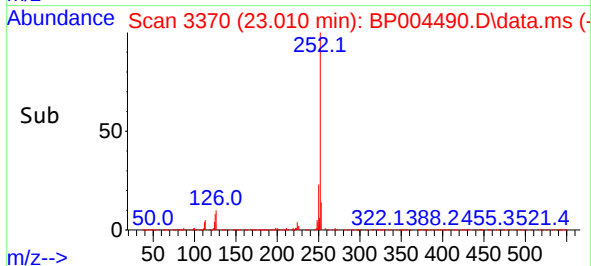
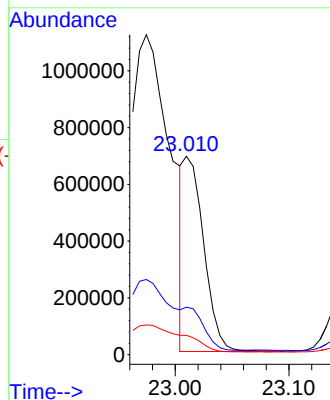
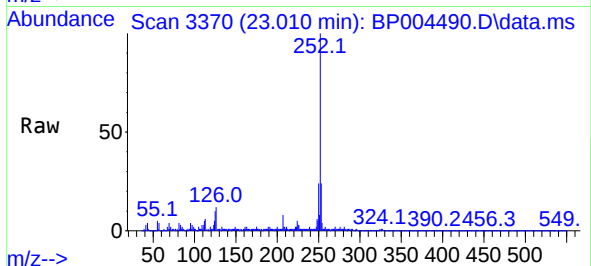
#89
Benzo(k)fluoranthene
Concen: 9.44 ng m
RT: 23.010 min Scan# 3370
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

Tgt Ion:252 Resp: 844048
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 9.7 7.4 11.2

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

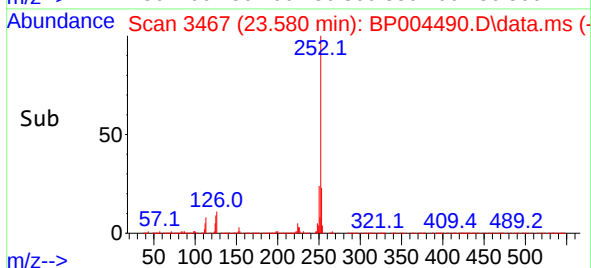
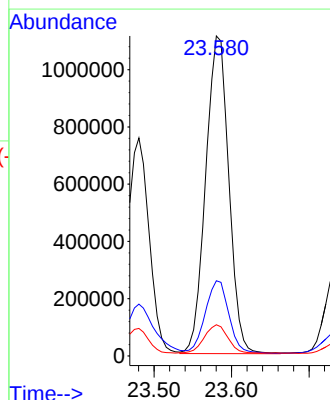
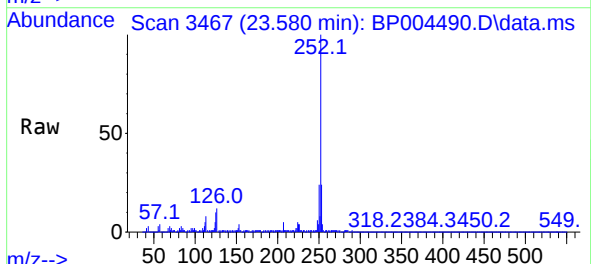
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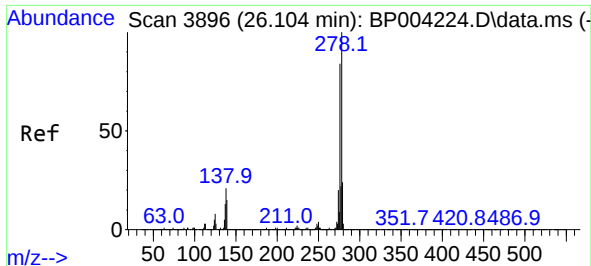
mohammad
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#90
Benzo(a)pyrene
Concen: 28.05 ng
RT: 23.580 min Scan# 3467
Delta R.T. 0.006 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

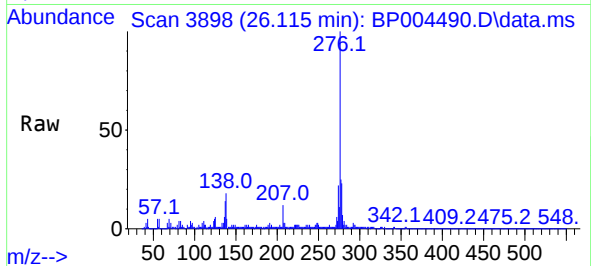
Tgt Ion:252 Resp: 2301728
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 9.8 8.2 12.4





#91
Dibenzo(a,h)anthracene
Concen: 4.22 ng
RT: 26.115 min Scan# 3898
Delta R.T. 0.000 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

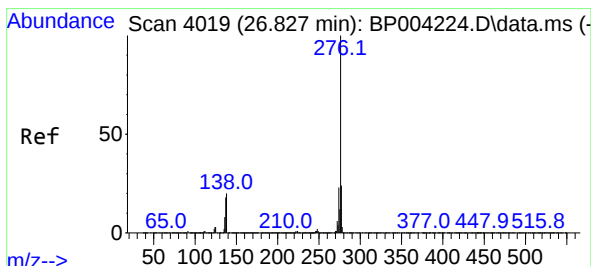
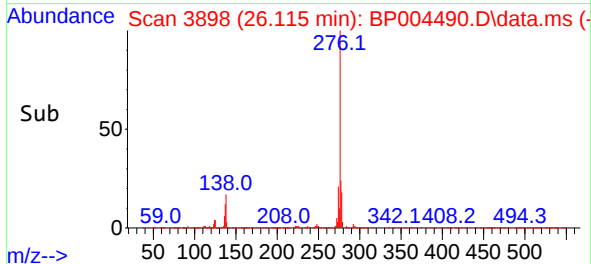
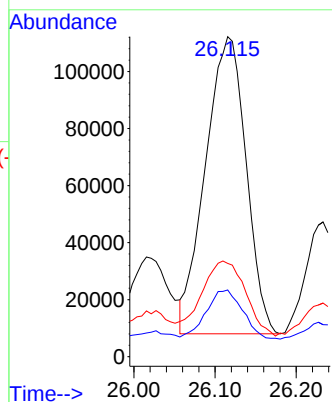
Instrument :
BNA_P
ClientSampled :
OK-02-010621



Tgt Ion:278 Resp: 362604
Ion Ratio Lower Upper
278 100
139 20.8 12.4 18.6#
279 29.1 19.0 28.6#

Manual Integrations
APPROVED

mohammad
1/8/2021 4:41:13 PM



#92
Benzo(g,h,i)perylene
Concen: 18.41 ng
RT: 26.863 min Scan# 4025
Delta R.T. 0.018 min
Lab File: BP004490.D
Acq: 07 Jan 2021 20:54

Tgt Ion:276 Resp: 1543127
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.6
138 18.0 16.6 24.8

