

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112021\
 Data File : BP008067.D
 Acq On : 20 Nov 2021 20:31
 Operator : CG/JU
 Sample : M4707-29DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 3-COMPDL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/22/2021
 Supervised By :mohammad ahmed 11/24/2021

Quant Time: Nov 22 05:34:18 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 20 00:21:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	155651	20.000	ng	0.00
21) Naphthalene-d8	10.616	136	610215	20.000	ng	-0.01
39) Acenaphthene-d10	14.457	164	406428	20.000	ng	-0.01
64) Phenanthrene-d10	17.216	188	905970	20.000	ng	-0.01
76) Chrysene-d12	21.316	240	830424	20.000	ng	0.00
86) Perylene-d12	23.704	264	901936	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	418460	45.952	ng	0.00
7) Phenol-d6	6.999	99	571836	45.301	ng	-0.01
23) Nitrobenzene-d5	8.975	82	386173	28.709	ng	-0.02
42) 2,4,6-Tribromophenol	15.951	330	219627	42.700	ng	-0.02
45) 2-Fluorobiphenyl	13.081	172	796455	30.685	ng	-0.01
79) Terphenyl-d14	19.781	244	1198009	28.363	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	14.522	154	67524	3.084	ng	100
55) Dibenzofuran	14.857	168	80679	2.140	ng	99
71) Phenanthrene	17.263	178	1690601	34.633	ng	99
72) Anthracene	17.351	178	381186	7.888	ng	100
73) Carbazole	17.622	167	196636	4.007	ng	99
75) Fluoranthene	19.233	202	3109672	49.425	ng	99
78) Pyrene	19.586	202	2725162	48.326	ng	100
81) Benzo(a)anthracene	21.298	228	2033596	36.515	ng	99
83) Chrysene	21.351	228	1829111	34.612	ng	97
87) Indeno(1,2,3-cd)pyrene	26.198	276	930559	14.869	ng	97
88) Benzo(b)fluoranthene	22.986	252	2161030	38.322	ng	98
89) Benzo(k)fluoranthene	23.022	252	833461m	14.855	ng	
90) Benzo(a)pyrene	23.604	252	1493712	31.605	ng	99
91) Dibenzo(a,h)anthracene	26.204	278	308831	5.928	ng	# 92
92) Benzo(g,h,i)perylene	26.962	276	831875	16.300	ng	98

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

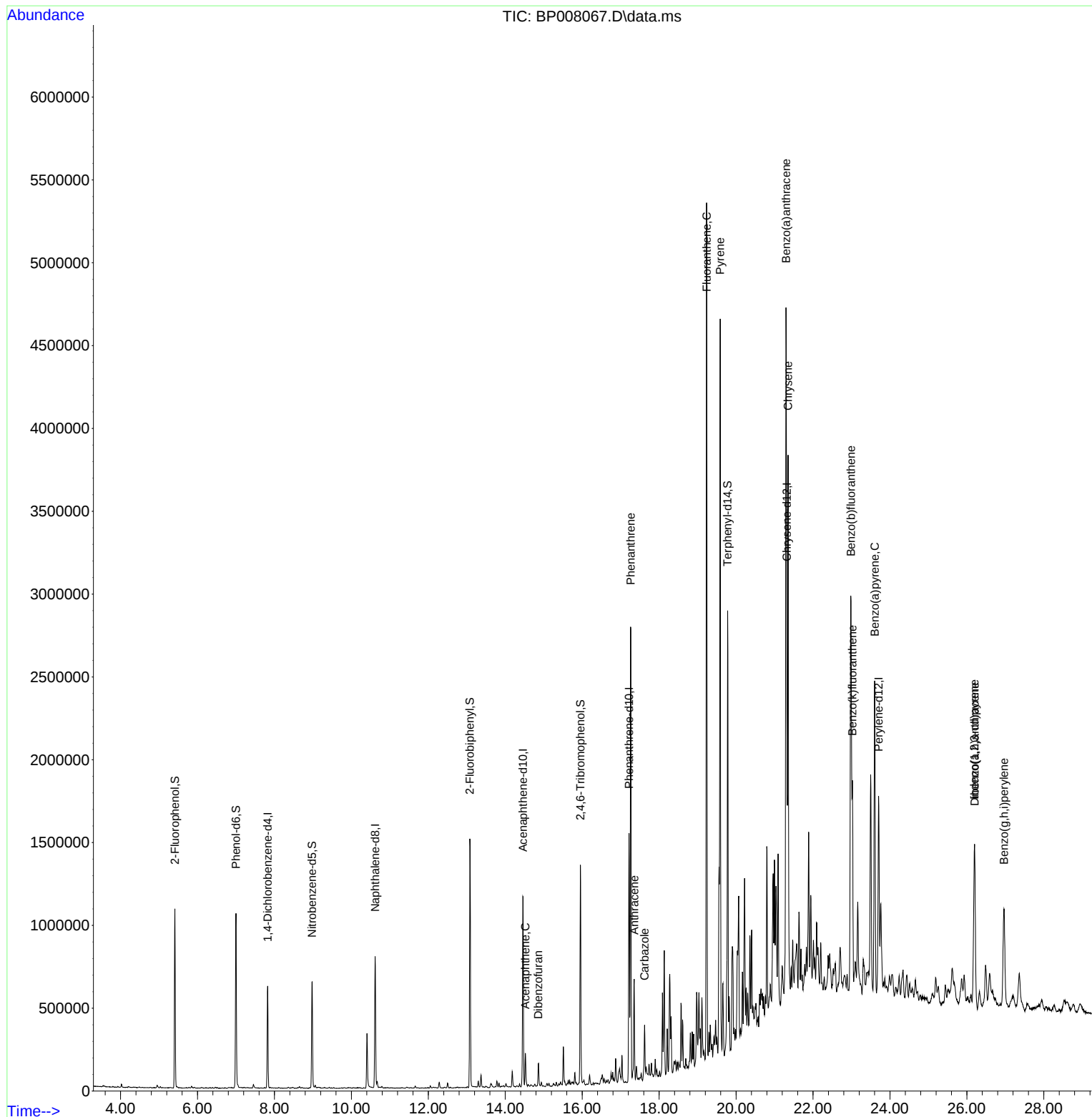
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112021\
Data File : BP008067.D
Acq On : 20 Nov 2021 20:31
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ALS Vial : 15 Sample Multiplier: 1

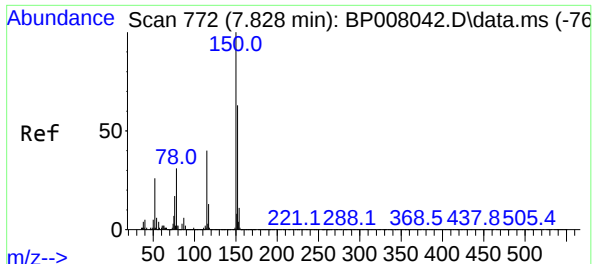
Instrument :
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Quant Time: Nov 22 05:34:18 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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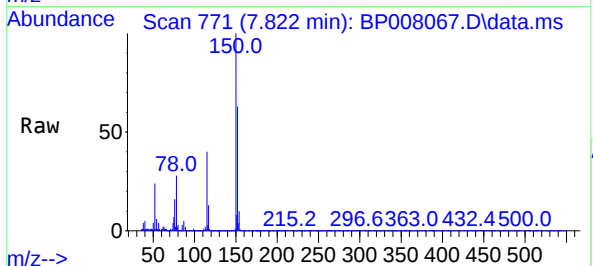
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

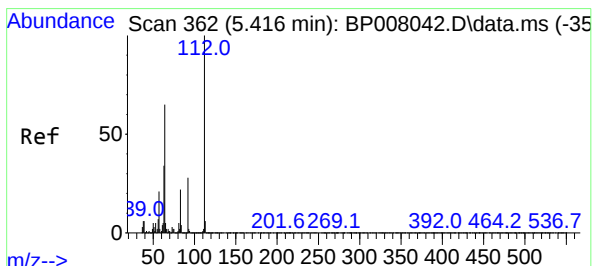
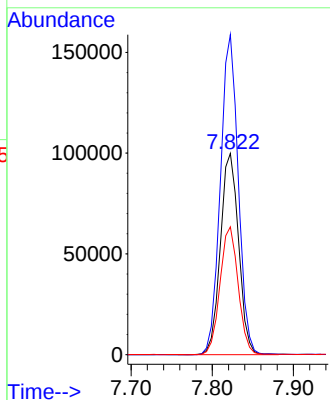
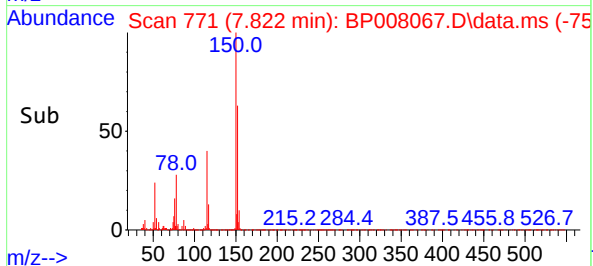
Instrument :
BNA_P
ClientSampleId :
3-COMPDL



Tgt Ion:152 Resp: 15565
Ion Ratio Lower Upper
152 100
150 159.0 126.5 189.7
115 63.5 50.6 75.8

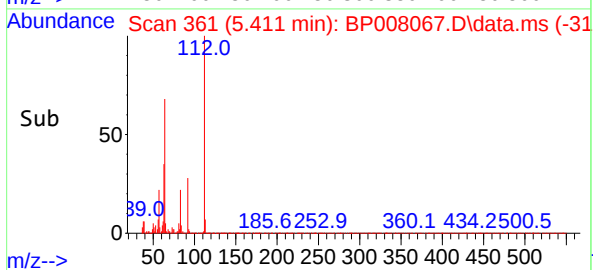
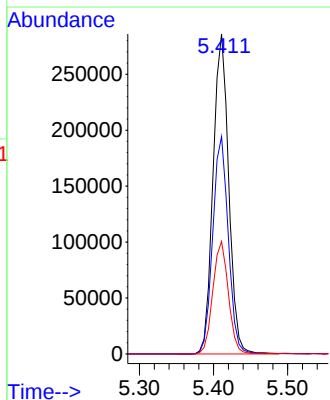
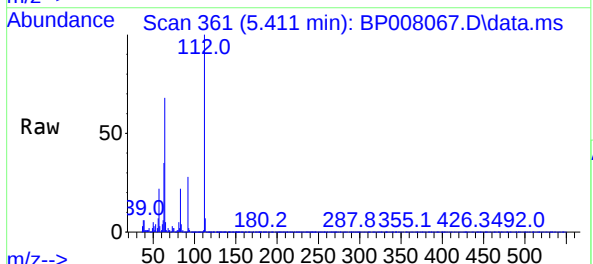
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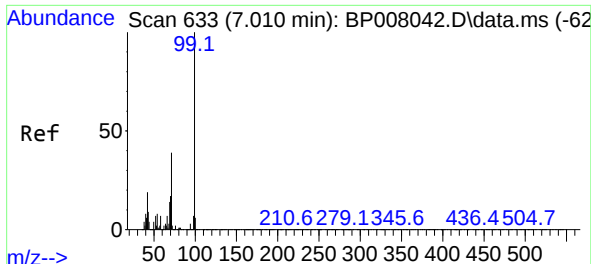
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#5
2-Fluorophenol
Concen: 45.952 ng
RT: 5.411 min Scan# 361
Delta R.T. -0.005 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

Tgt Ion:112 Resp: 418460
Ion Ratio Lower Upper
112 100
64 68.0 51.7 77.5
63 35.2 27.4 41.0





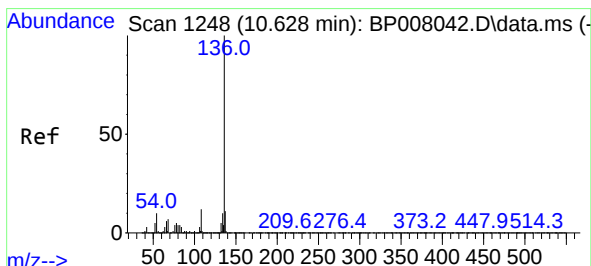
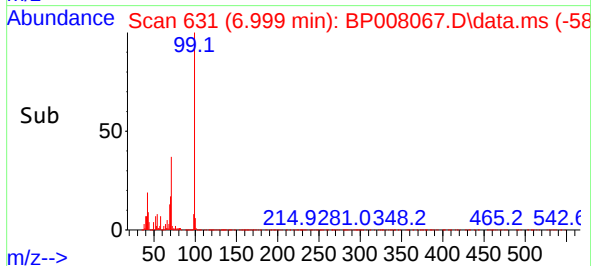
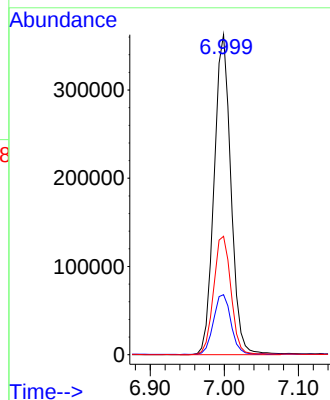
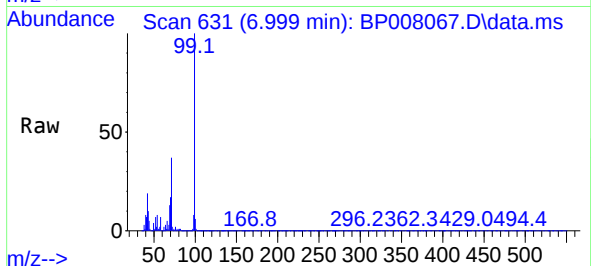
#7
Phenol-d6
Concen: 45.301 ng
RT: 6.999 min Scan# 61
Delta R.T. -0.011 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 99 Resp: 571830
Ion Ratio Lower Upper
99 100
42 18.7 15.4 23.2
71 37.0 31.0 46.6

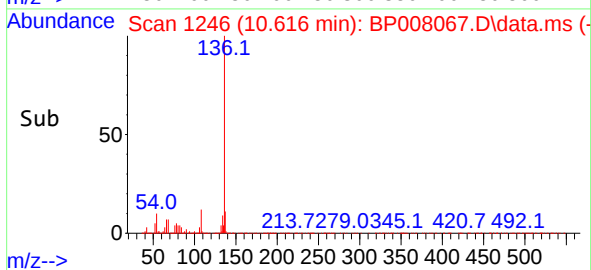
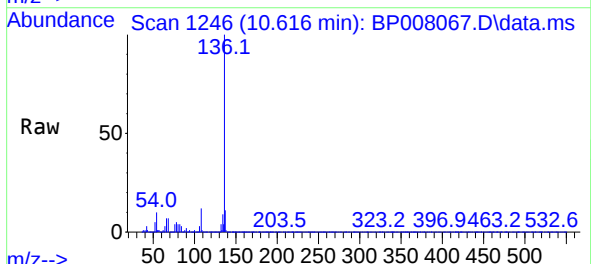
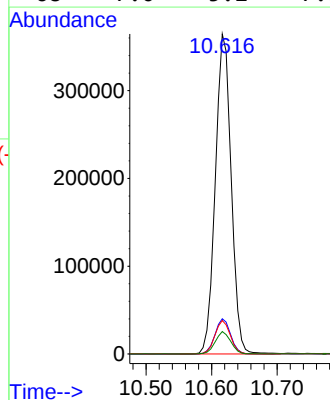
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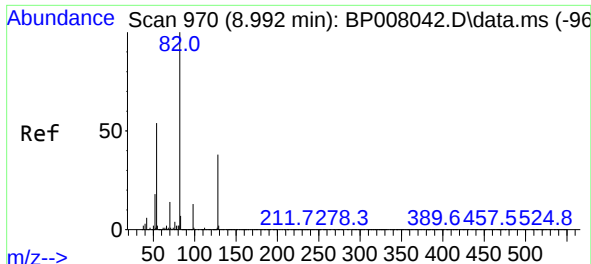
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.616 min Scan# 1246
Delta R.T. -0.012 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

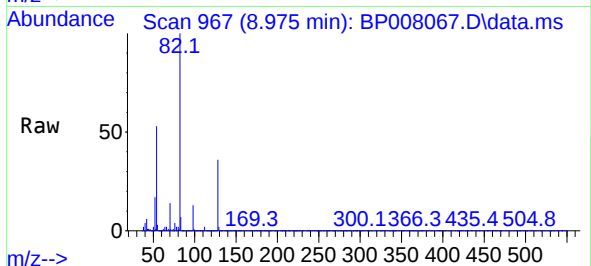
Tgt Ion:136 Resp: 610215
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 10.5 8.0 12.0
68 7.0 5.2 7.8





#23
Nitrobenzene-d5
Concen: 28.709 ng
RT: 8.975 min Scan# 90
Delta R.T. -0.017 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

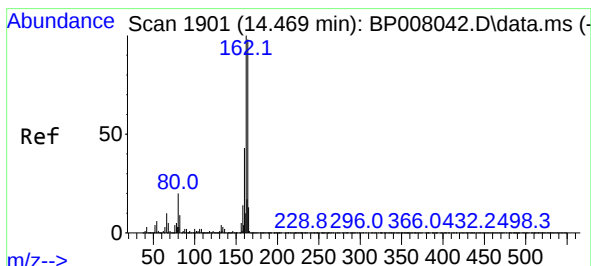
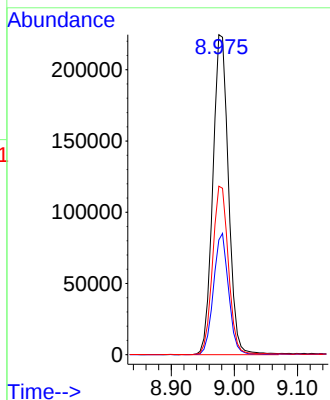
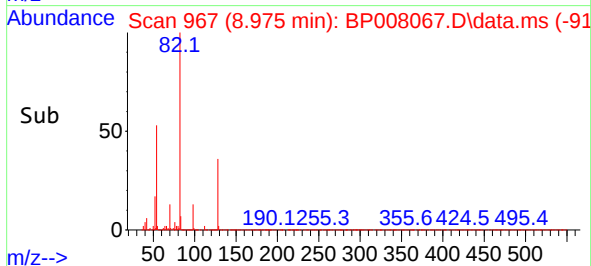
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 82 Resp: 38617
Ion Ratio Lower Upper
82 100
128 35.9 30.2 45.2
54 52.6 43.1 64.7

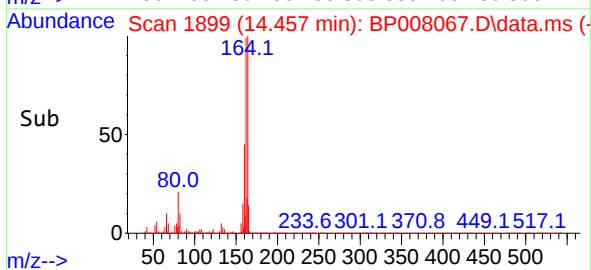
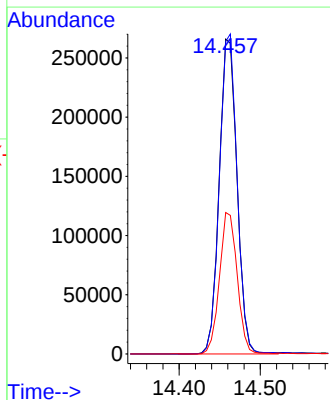
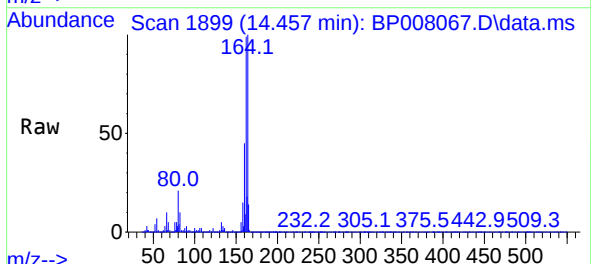
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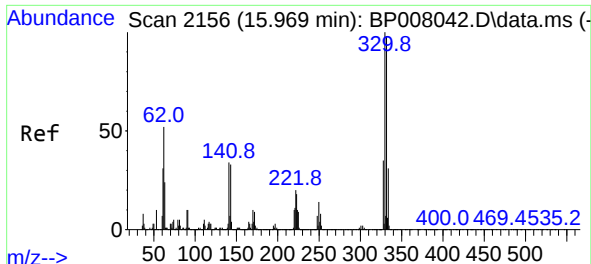
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1899
Delta R.T. -0.012 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

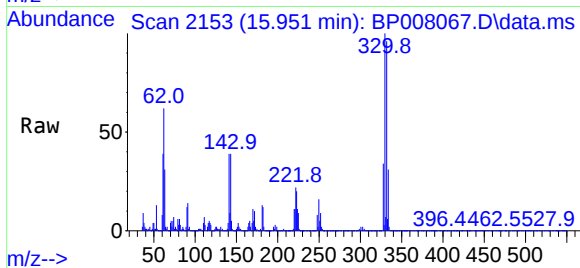
Tgt Ion:164 Resp: 406428
Ion Ratio Lower Upper
164 100
162 99.3 81.8 122.8
160 44.9 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 42.700 ng
RT: 15.951 min Scan# 2156
Delta R.T. -0.018 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

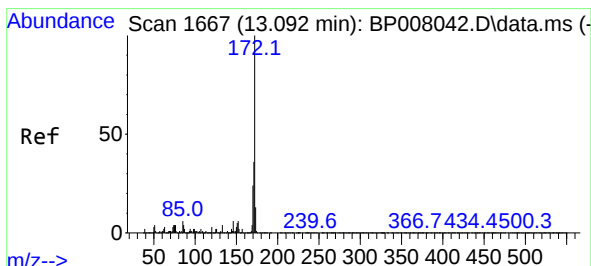
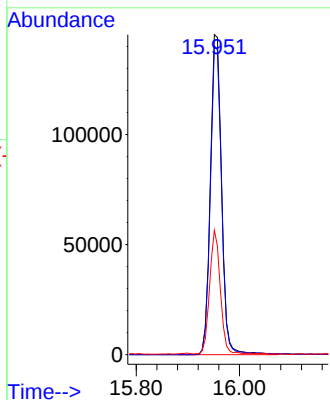
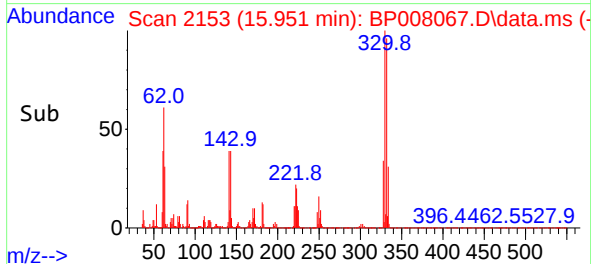
Instrument :
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ClientSampleId :
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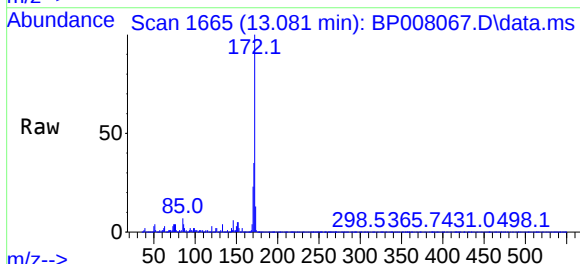
Tgt Ion: 330 Resp: 21962
Ion Ratio Lower Upper
330 100
332 96.2 78.0 117.0
141 36.2 29.6 44.4

Manual Integrations
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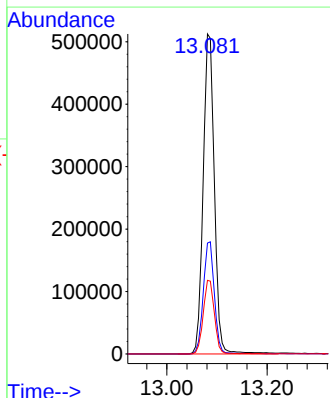
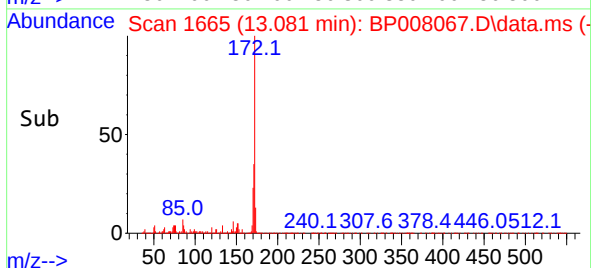
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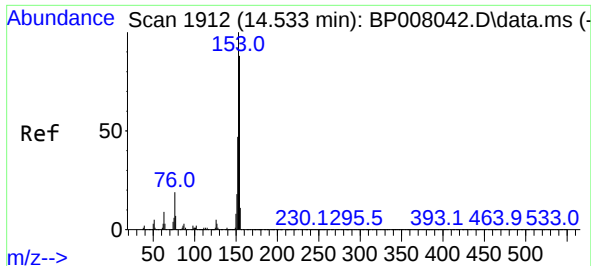


#45
2-Fluorobiphenyl
Concen: 30.685 ng
RT: 13.081 min Scan# 1665
Delta R.T. -0.011 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31



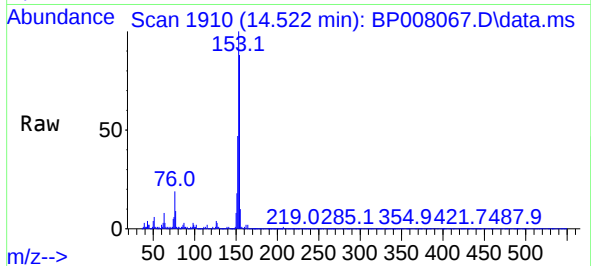
Tgt Ion: 172 Resp: 796455
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 23.0 19.0 28.4





#52
Acenaphthene
Concen: 3.084 ng
RT: 14.522 min Scan# 1912
Delta R.T. -0.011 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

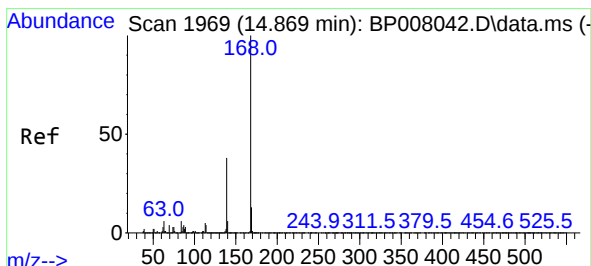
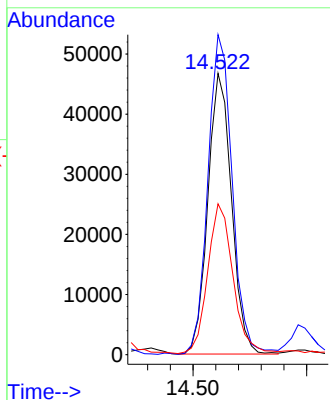
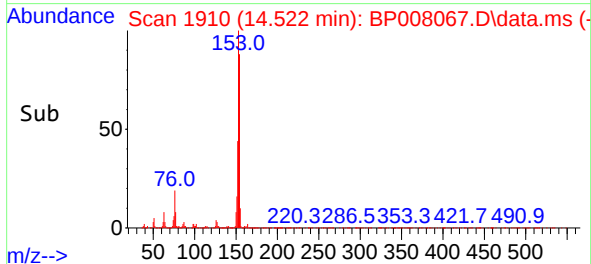
Instrument :
BNA_P
ClientSampleId :
3-COMPDL



Tgt Ion:154 Resp: 67524
Ion Ratio Lower Upper
154 100
153 113.8 91.1 136.7
152 53.6 42.6 64.0

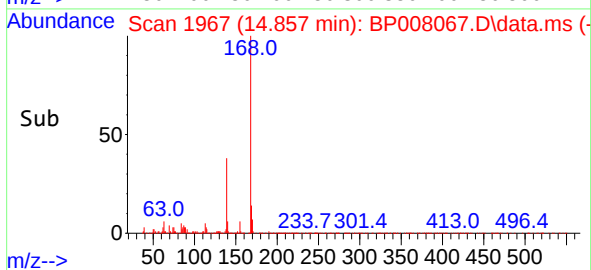
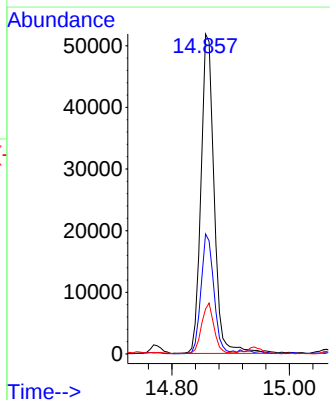
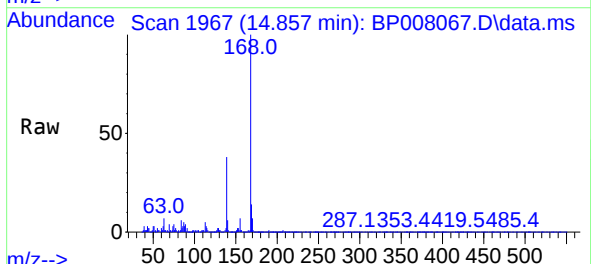
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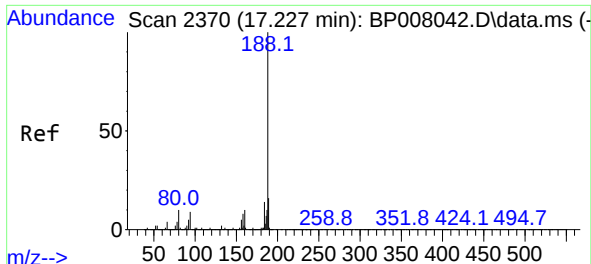
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#55
Dibenzofuran
Concen: 2.140 ng
RT: 14.857 min Scan# 1967
Delta R.T. -0.012 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

Tgt Ion:168 Resp: 80679
Ion Ratio Lower Upper
168 100
139 37.5 30.5 45.7
169 14.0 10.7 16.1





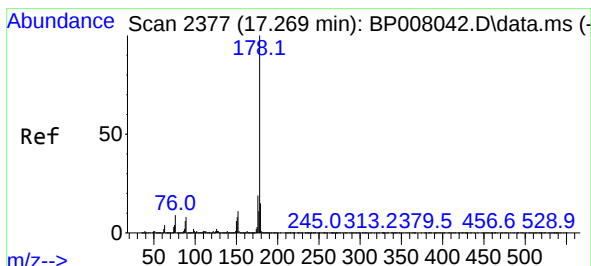
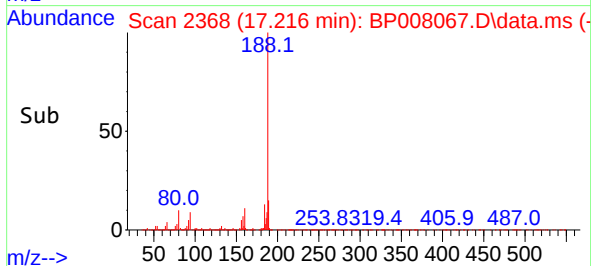
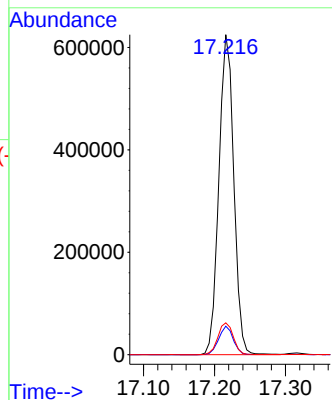
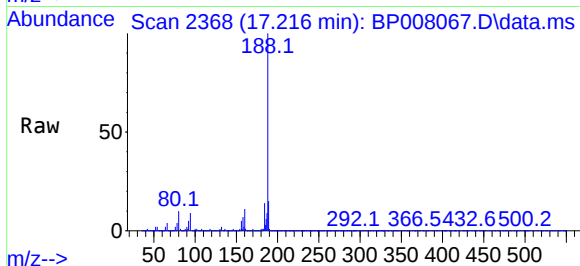
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Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

Instrument :
BNA_P
ClientSampleId :
3-COMPDL

Tgt Ion:188 Resp: 905970
Ion Ratio Lower Upper
188 100
94 8.9 7.1 10.7
80 9.9 8.1 12.1

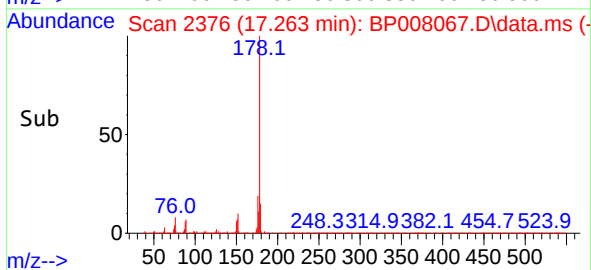
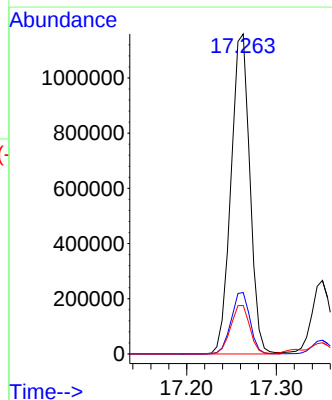
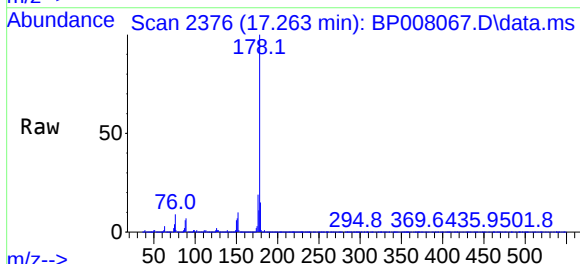
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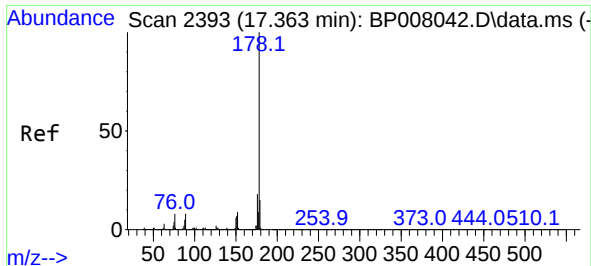
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#71
Phenanthrene
Concen: 34.633 ng
RT: 17.263 min Scan# 2376
Delta R.T. -0.006 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

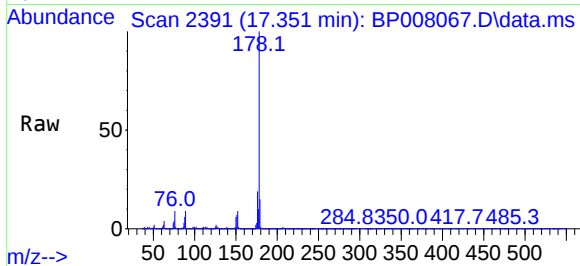
Tgt Ion:178 Resp: 1690601
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.1 12.4 18.6





#72
 Anthracene
 Concen: 7.888 ng
 RT: 17.351 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP008067.D
 Acq: 20 Nov 2021 20:31

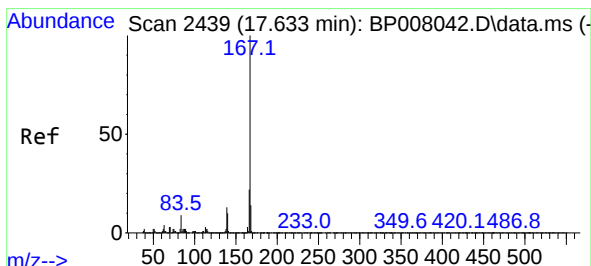
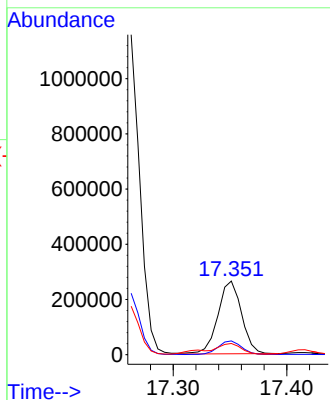
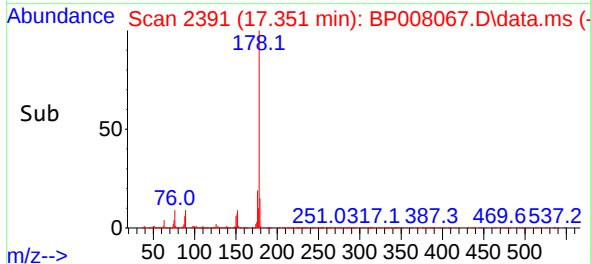
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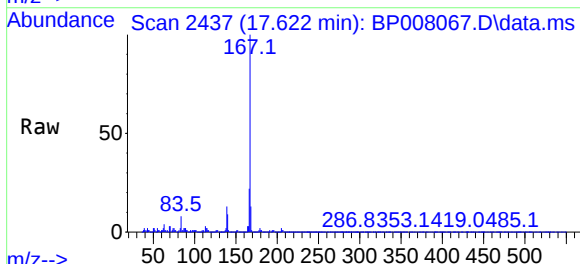
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 Ion Ratio Lower Upper
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 179 15.2 12.2 18.4

Manual Integrations
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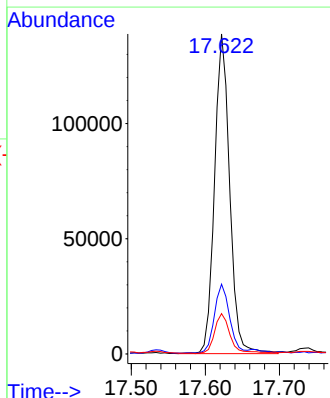
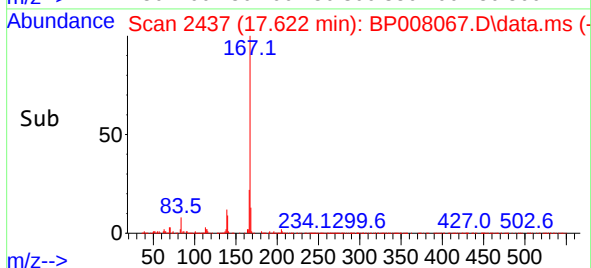
Reviewed By :Jagrut Upadhyay 11/22/2021
 Supervised By :mohammad ahmed 11/24/2021

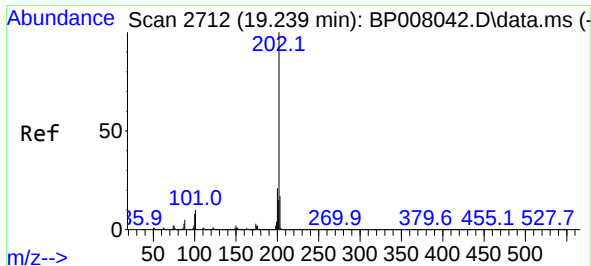


#73
 Carbazole
 Concen: 4.007 ng
 RT: 17.622 min Scan# 2437
 Delta R.T. -0.011 min
 Lab File: BP008067.D
 Acq: 20 Nov 2021 20:31



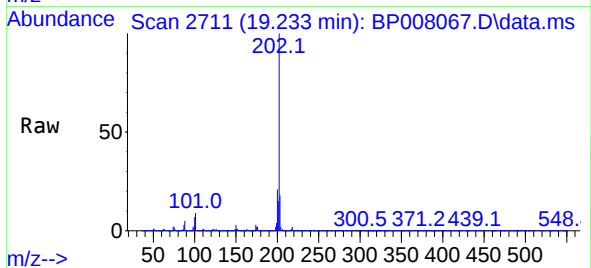
Tgt Ion:167 Resp: 196636
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.5 26.3
 139 12.6 10.4 15.6





#75
Fluoranthene
Concen: 49.425 ng
RT: 19.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

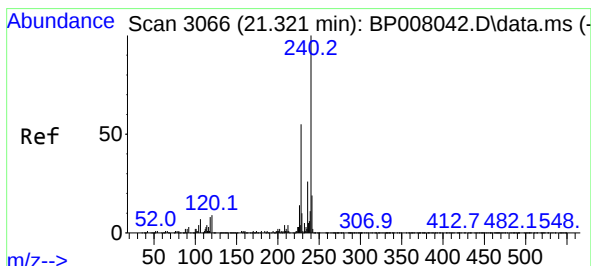
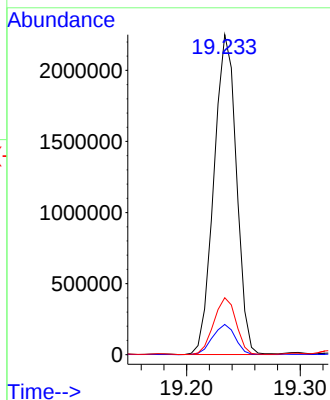
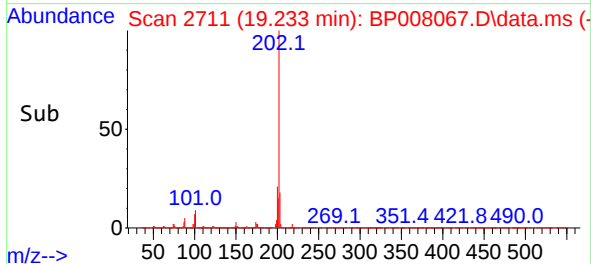
Instrument :
BNA_P
ClientSampleId :
3-COMPDL



Tgt Ion:202 Resp: 310967
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.5
203 17.8 0.0 37.3

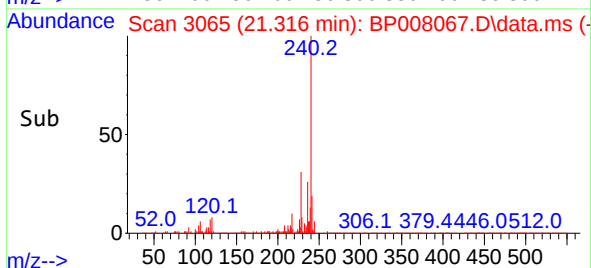
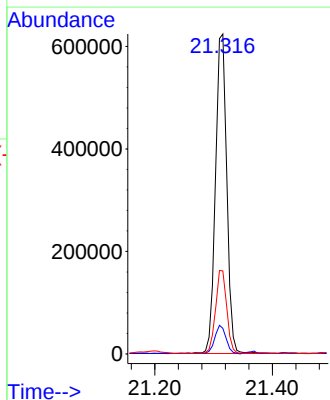
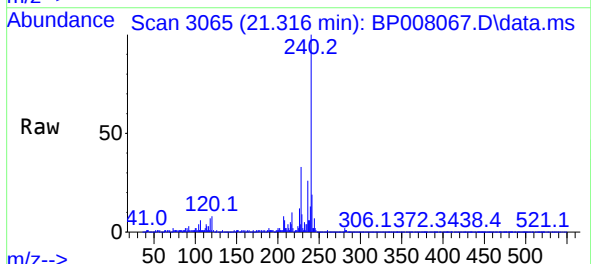
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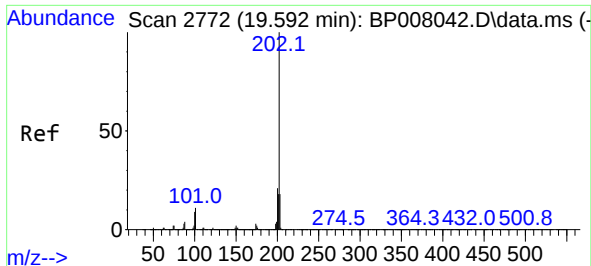
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 3065
Delta R.T. -0.005 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

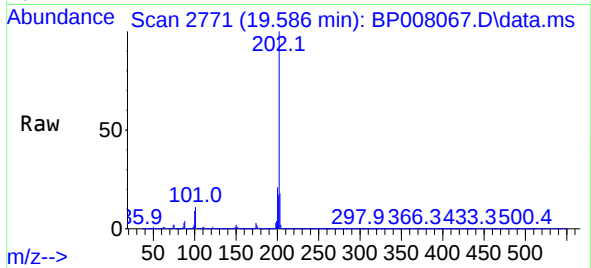
Tgt Ion:240 Resp: 830424
Ion Ratio Lower Upper
240 100
120 8.0 7.4 11.2
236 26.0 21.0 31.4





#78
Pyrene
Concen: 48.326 ng
RT: 19.586 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

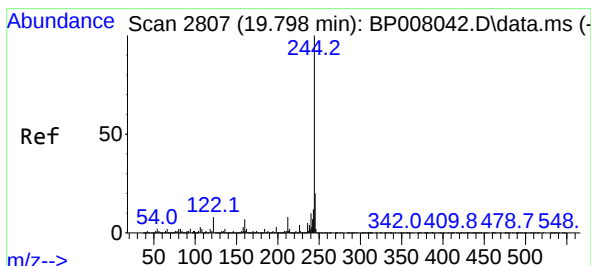
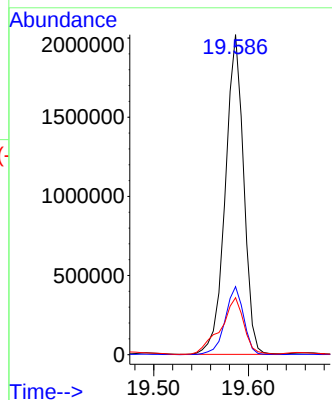
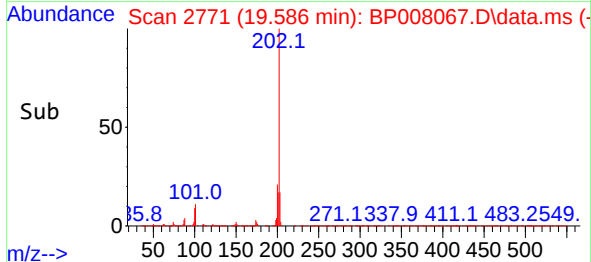
Instrument :
BNA_P
ClientSampleId :
3-COMPDL



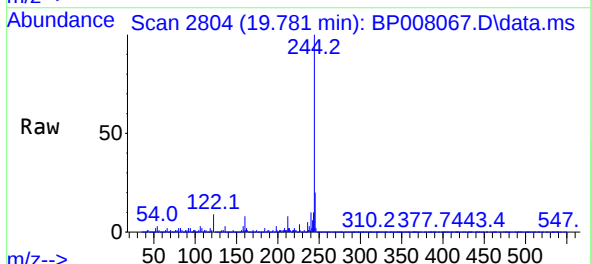
Tgt Ion:202 Resp: 272516
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 17.8 14.2 21.2

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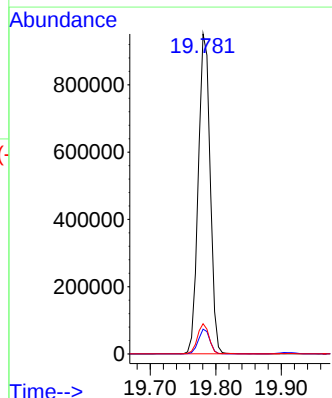
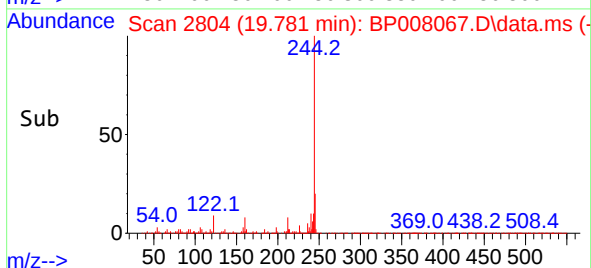
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021

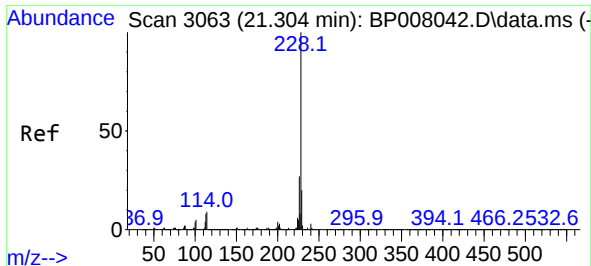


#79
Terphenyl-d14
Concen: 28.363 ng
RT: 19.781 min Scan# 2804
Delta R.T. -0.017 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31



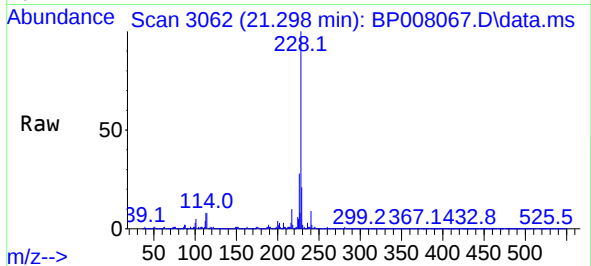
Tgt Ion:244 Resp: 1198009
Ion Ratio Lower Upper
244 100
212 7.7 6.3 9.5
122 9.4 6.1 9.1#





#81
Benzo(a)anthracene
Concen: 36.515 ng
RT: 21.298 min Scan# 3063
Delta R.T. -0.006 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

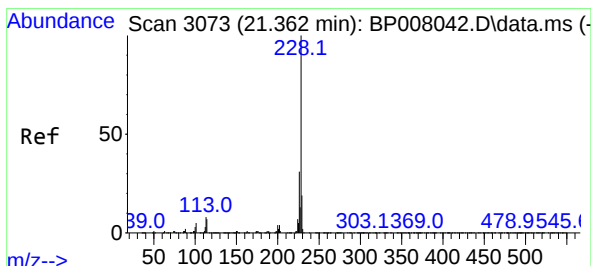
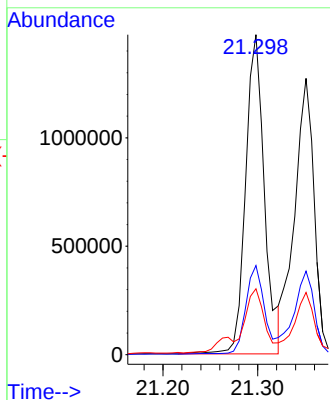
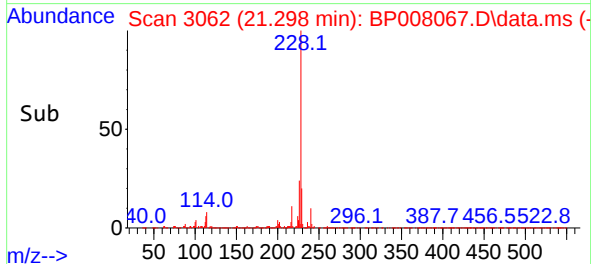
Instrument :
BNA_P
ClientSampleId :
3-COMPDL



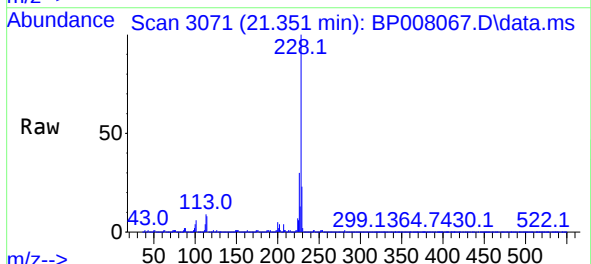
Tgt Ion:228 Resp: 2033590
Ion Ratio Lower Upper
228 100
226 27.8 21.8 32.6
229 20.6 16.1 24.1

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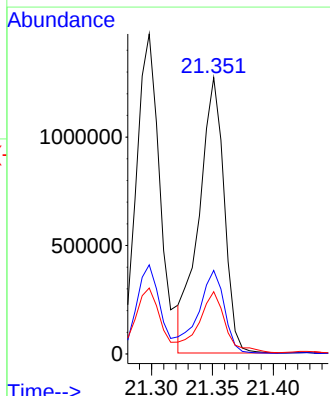
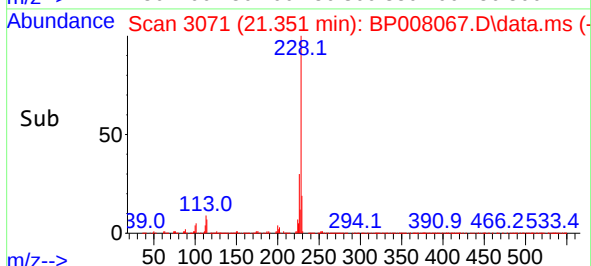
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021

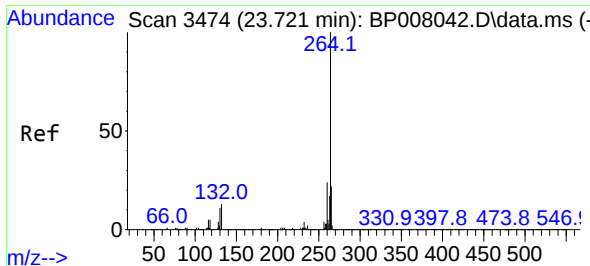


#83
Chrysene
Concen: 34.612 ng
RT: 21.351 min Scan# 3071
Delta R.T. -0.011 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31



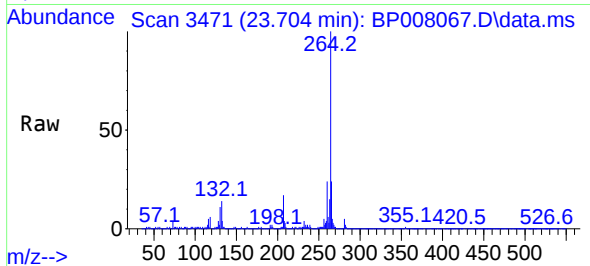
Tgt Ion:228 Resp: 1829111
Ion Ratio Lower Upper
228 100
226 30.2 24.5 36.7
229 22.6 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.704 min Scan# 3474
Delta R.T. -0.017 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

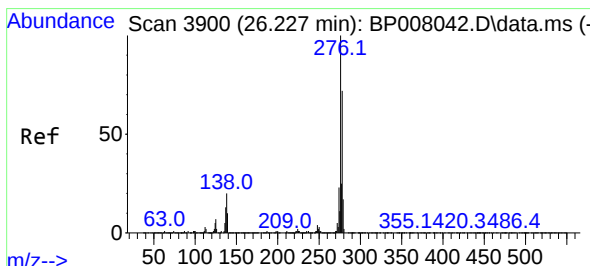
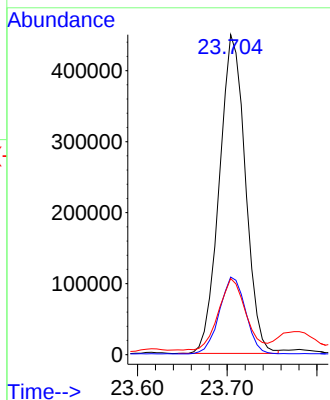
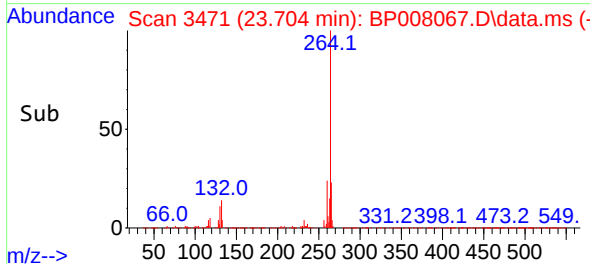
Instrument :
BNA_P
ClientSampleId :
3-COMPDL



Tgt Ion:264 Resp: 901930
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.6
265 23.8 17.7 26.5

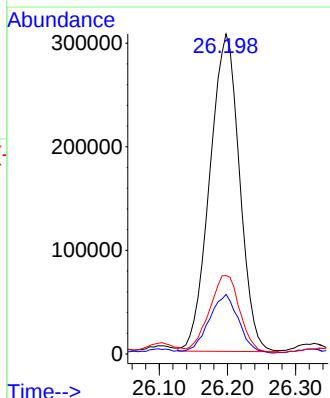
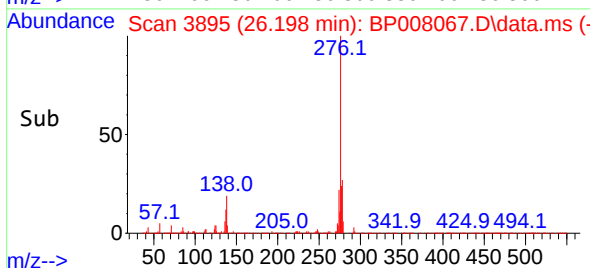
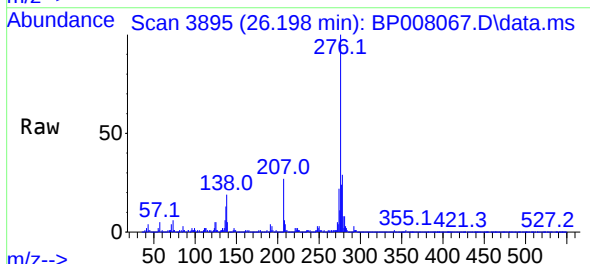
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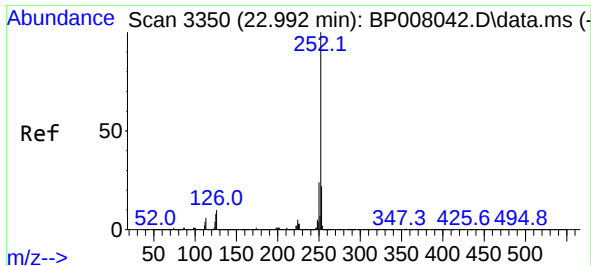
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.869 ng
RT: 26.198 min Scan# 3895
Delta R.T. -0.029 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

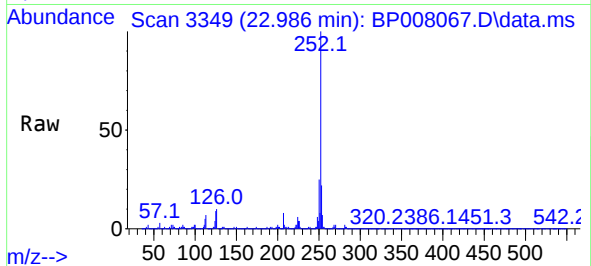
Tgt Ion:276 Resp: 930559
Ion Ratio Lower Upper
276 100
138 18.4 16.5 24.7
277 24.7 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 38.322 ng
RT: 22.986 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

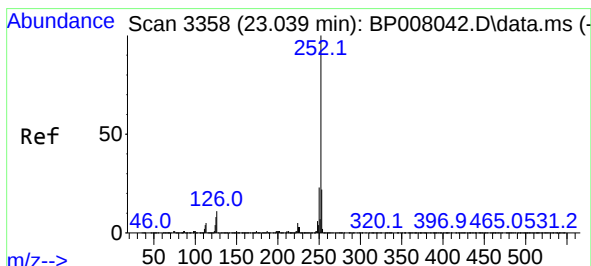
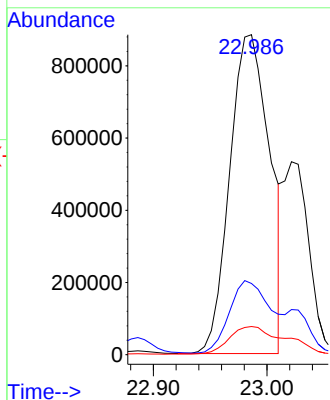
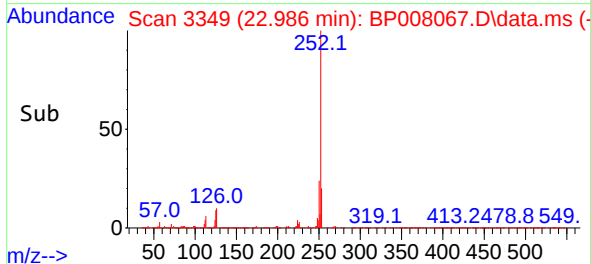
Instrument :
BNA_P
ClientSampleId :
3-COMPDL



Tgt Ion:252 Resp: 2161030
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 8.8 6.1 9.1

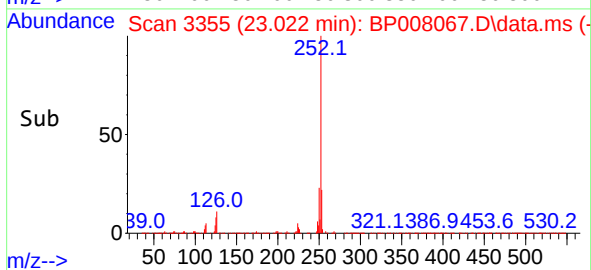
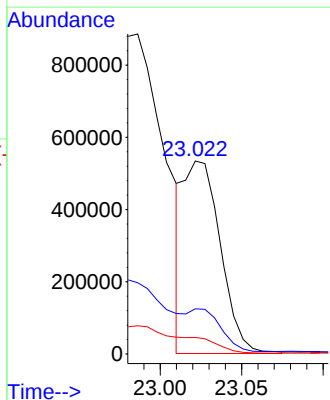
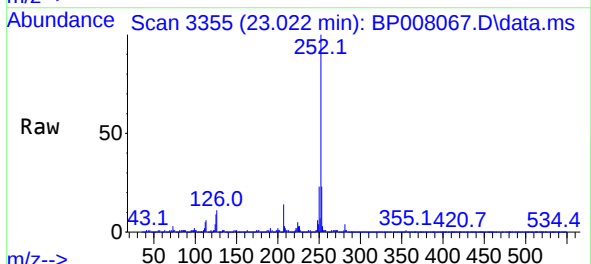
Manual Integrations
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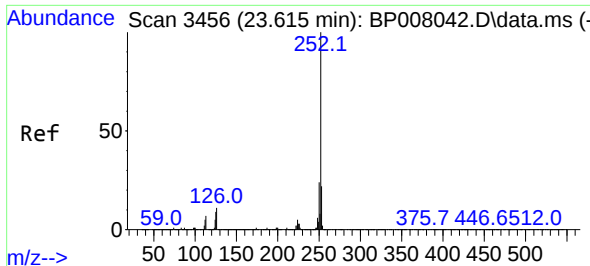
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#89
Benzo(k)fluoranthene
Concen: 14.855 ng m
RT: 23.022 min Scan# 3355
Delta R.T. -0.017 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

Tgt Ion:252 Resp: 833461
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 8.6 6.2 9.4





#90
Benzo(a)pyrene
Concen: 31.605 ng
RT: 23.604 min Scan# 3456
Delta R.T. -0.011 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

Instrument :

BNA_P

ClientSampleId :

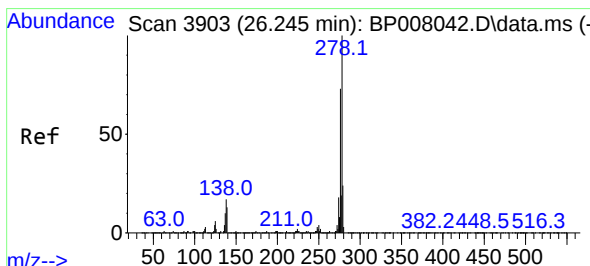
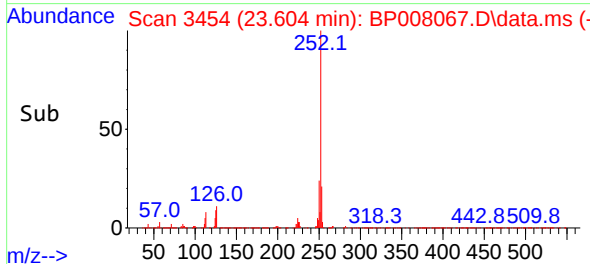
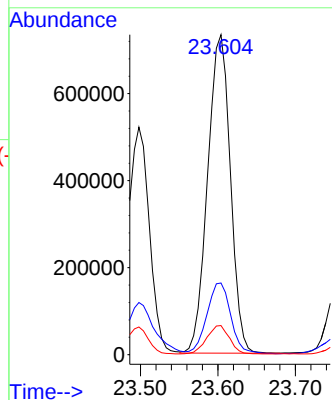
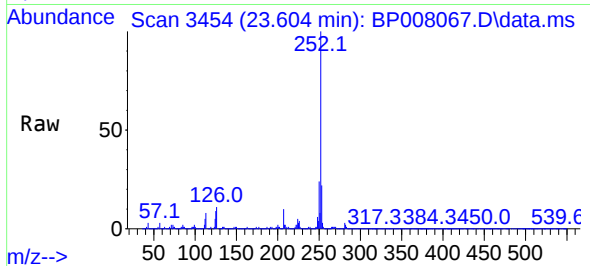
3-COMPDL

Tgt Ion:252 Resp: 149371
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 9.1 7.4 11.2

Manual Integrations

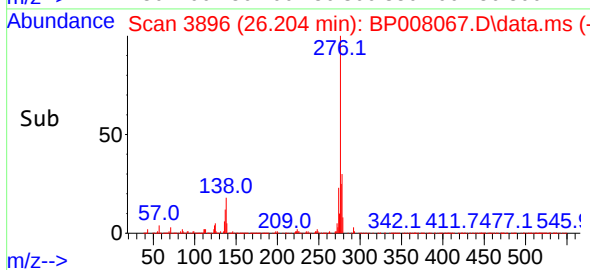
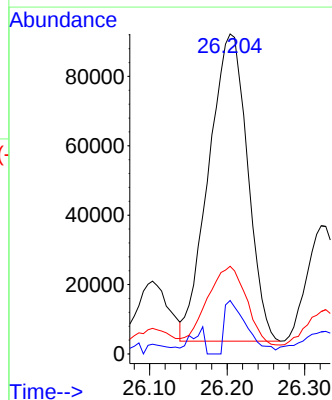
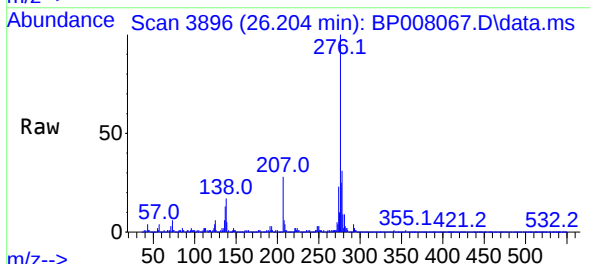
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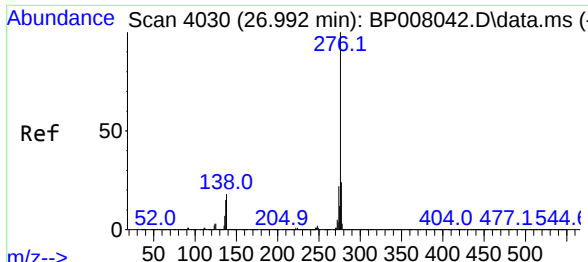
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#91
Dibenzo(a,h)anthracene
Concen: 5.928 ng
RT: 26.204 min Scan# 3896
Delta R.T. -0.041 min
Lab File: BP008067.D
Acq: 20 Nov 2021 20:31

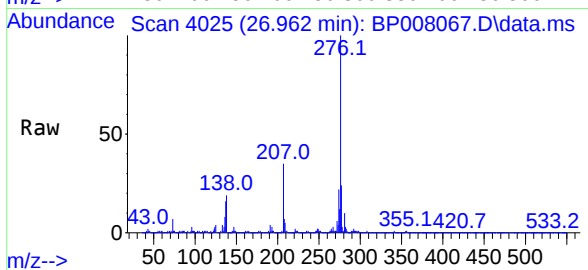
Tgt Ion:278 Resp: 308831
Ion Ratio Lower Upper
278 100
139 16.7 10.5 15.7#
279 27.4 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 16.300 ng
 RT: 26.962 min Scan# 40
 Delta R.T. -0.030 min
 Lab File: BP008067.D
 Acq: 20 Nov 2021 20:31

Instrument :
 BNA_P
 ClientSampleId :
 3-COMPDL



Tgt Ion: 276 Resp: 831875

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.0	28.6
138	19.3	14.2	21.2

Manual Integrations
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 Supervised By :mohammad ahmed 11/24/2021

