

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112021\
 Data File : BP008074.D
 Acq On : 21 Nov 2021 00:28
 Operator : CG/JU
 Sample : M4762-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11929

Manual Integrations
 APPROVED

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

Quant Time: Nov 22 05:36:18 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	131161	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	496730	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	314244	20.000	ng	0.00
64) Phenanthrene-d10	17.222	188	545255	20.000	ng	# 0.00
76) Chrysene-d12	21.316	240	636040	20.000	ng	0.00
86) Perylene-d12	23.710	264	717899	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.417	112	830735	108.259	ng	0.00
7) Phenol-d6	7.005	99	1088403	102.323	ng	0.00
23) Nitrobenzene-d5	8.981	82	721833	65.923	ng	-0.01
42) 2,4,6-Tribromophenol	15.963	330	377190	94.847	ng	0.00
45) 2-Fluorobiphenyl	13.087	172	1525971	76.037	ng	0.00
79) Terphenyl-d14	19.792	244	1987644	61.440	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.269	178	519700	17.690	ng	# 93
72) Anthracene	17.357	178	137701	4.734	ng	# 75
75) Fluoranthene	19.245	202	809893	21.388	ng	95
78) Pyrene	19.598	202	689423	15.962	ng	# 96
81) Benzo(a)anthracene	21.304	228	436428	10.231	ng	97
83) Chrysene	21.351	228	427372m	10.559	ng	
87) Indeno(1,2,3-cd)pyrene	26.198	276	259655	5.212	ng	97
88) Benzo(b)fluoranthene	22.980	252	534329	11.904	ng	# 94
89) Benzo(k)fluoranthene	23.022	252	217334m	4.867	ng	
90) Benzo(a)pyrene	23.604	252	376841	10.018	ng	97
92) Benzo(g,h,i)perylene	26.962	276	242337	5.966	ng	97

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

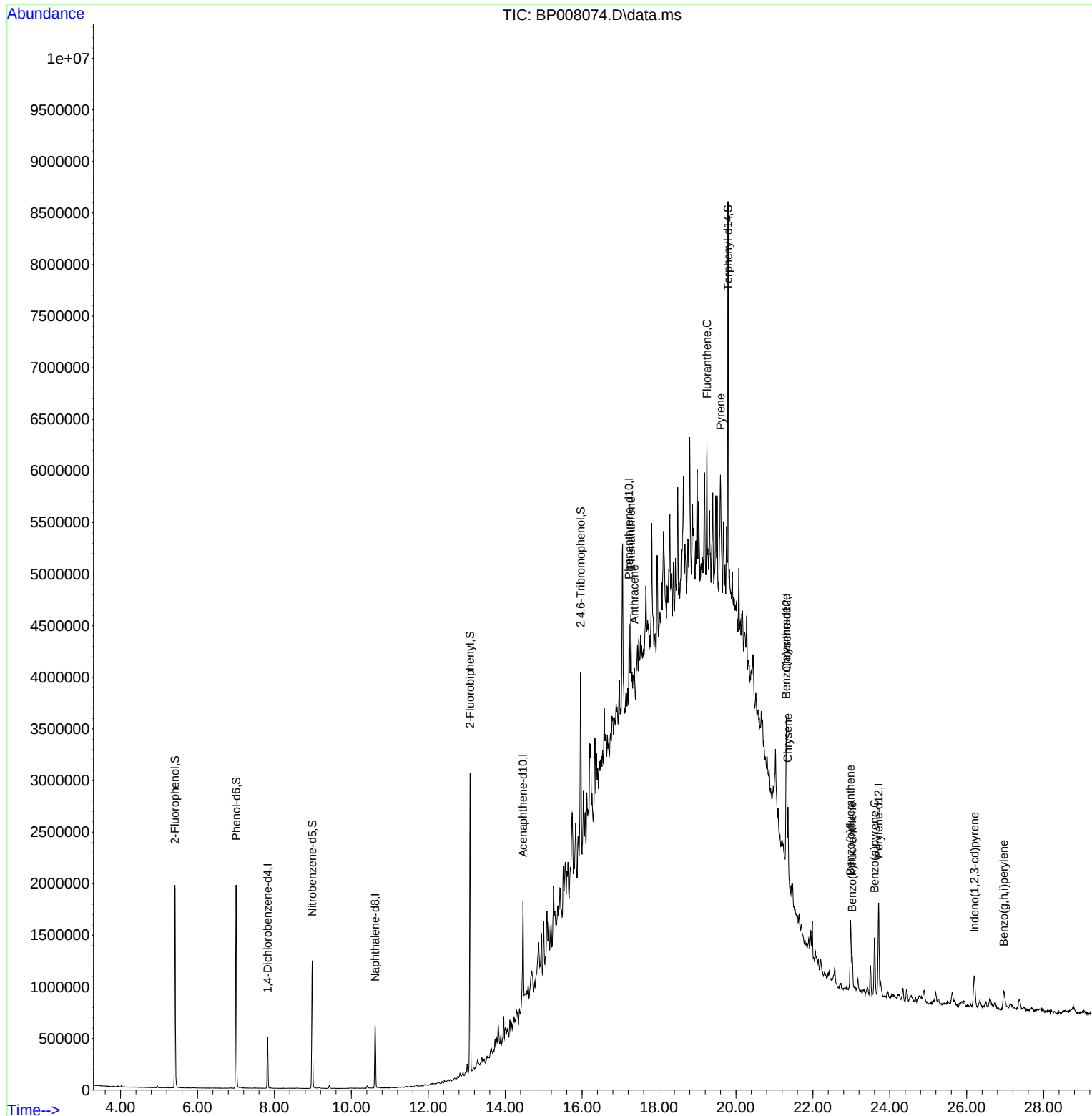
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112021\
Data File : BP008074.D
Acq On : 21 Nov 2021 00:28
Operator : CG/JU
Sample : M4762-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

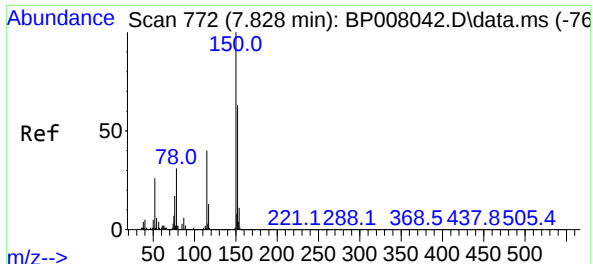
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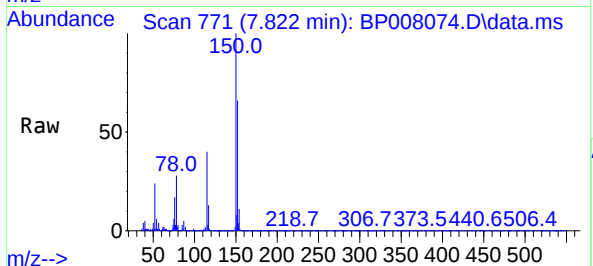
Quant Time: Nov 22 05:36:18 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 20 00:21:11 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

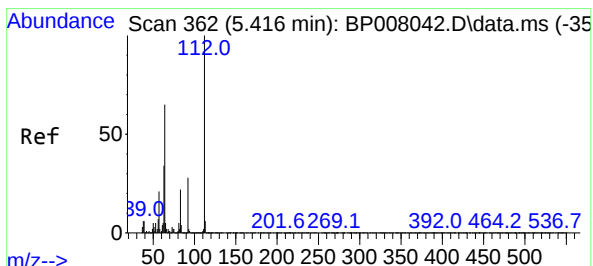
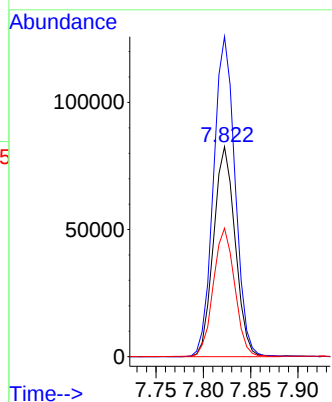
Instrument :
BNA_P
ClientSampleId :
72-11929



Tgt Ion:152 Resp: 13116
Ion Ratio Lower Upper
152 100
150 152.4 126.5 189.7
115 61.2 50.6 75.8

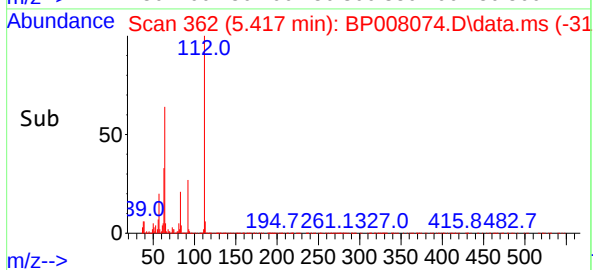
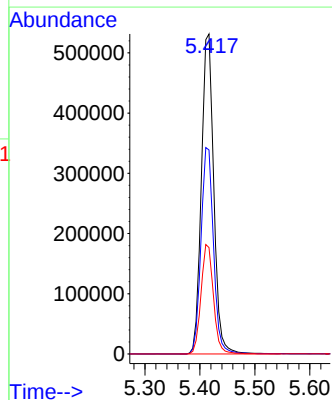
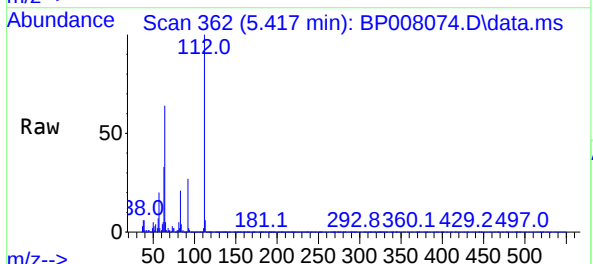
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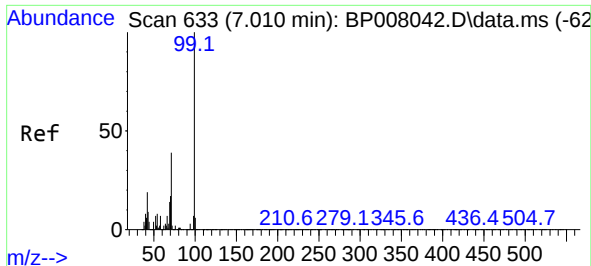
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#5
2-Fluorophenol
Concen: 108.259 ng
RT: 5.417 min Scan# 362
Delta R.T. 0.001 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

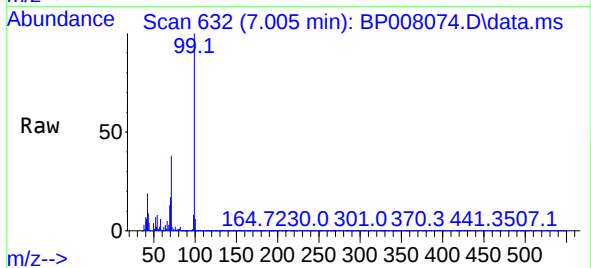
Tgt Ion:112 Resp: 830735
Ion Ratio Lower Upper
112 100
64 63.7 51.7 77.5
63 33.3 27.4 41.0





#7
Phenol-d6
Concen: 102.323 ng
RT: 7.005 min Scan# 61
Delta R.T. -0.005 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

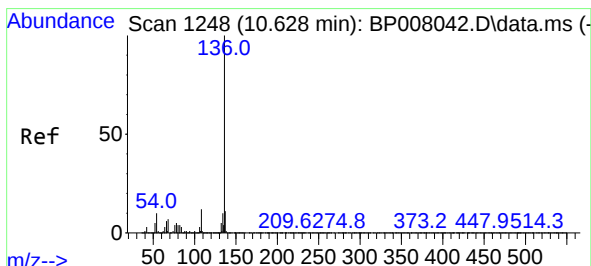
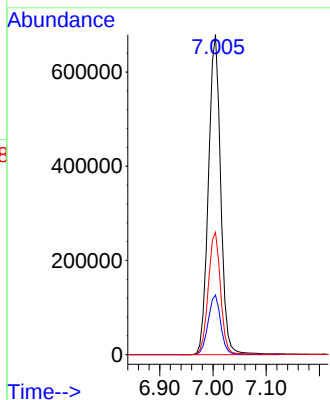
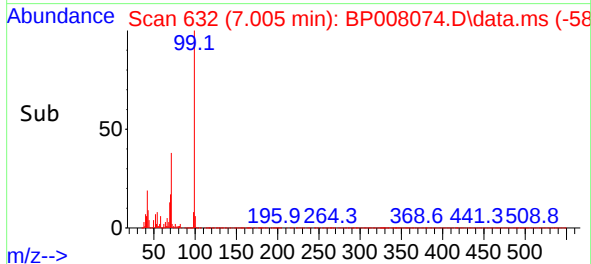
Instrument :
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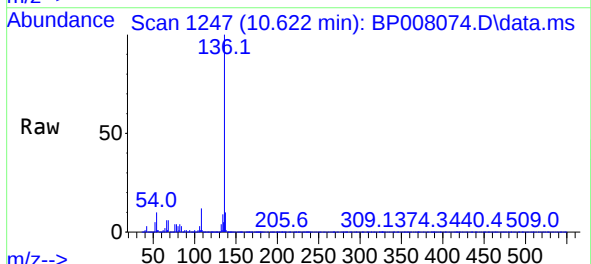
Tgt Ion: 99 Resp: 108840
Ion Ratio Lower Upper
99 100
42 18.7 15.4 23.2
71 38.3 31.0 46.6

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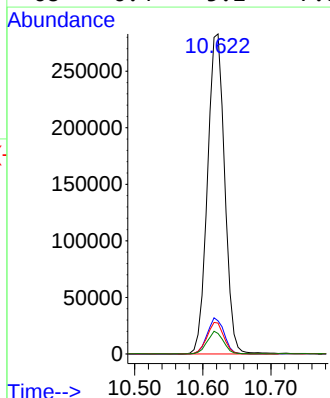
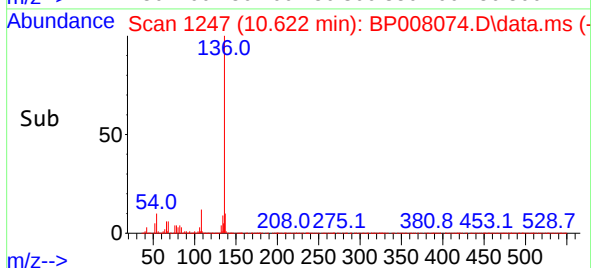
Reviewed By :Jagrut Upadhyay 11/22/2021
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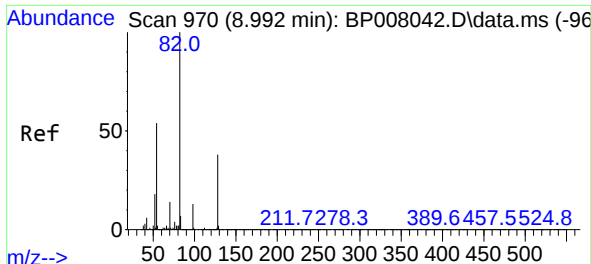


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28



Tgt Ion:136 Resp: 496730
Ion Ratio Lower Upper
136 100
137 10.4 8.7 13.1
54 9.7 8.0 12.0
68 6.4 5.2 7.8





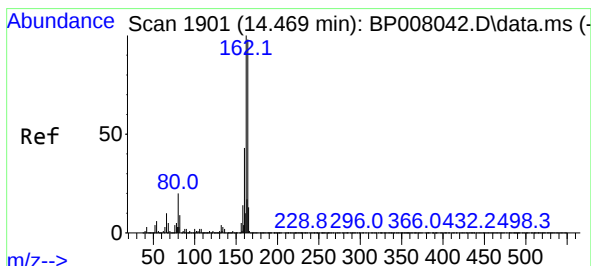
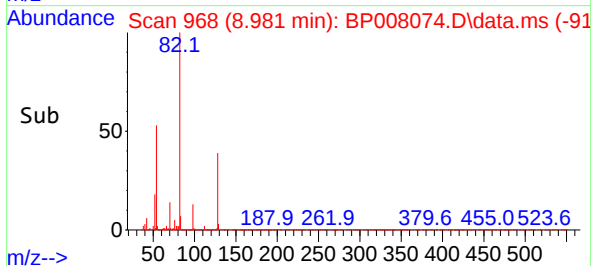
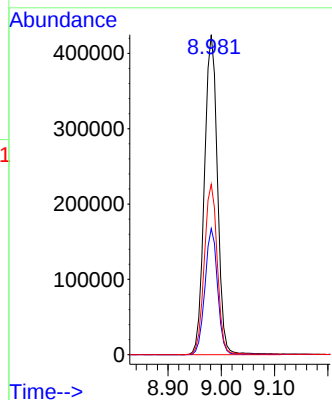
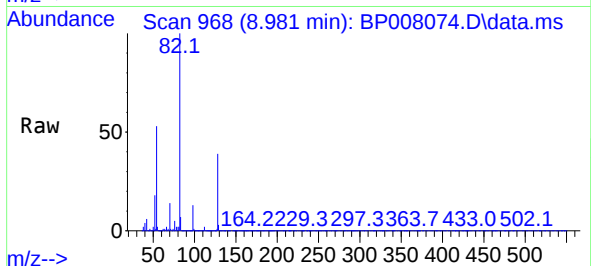
#23
Nitrobenzene-d5
Concen: 65.923 ng
RT: 8.981 min Scan# 90
Delta R.T. -0.011 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

Instrument :
BNA_P
ClientSampleId :
72-11929

Tgt Ion: 82 Resp: 72183
Ion Ratio Lower Upper
82 100
128 39.4 30.2 45.2
54 53.3 43.1 64.7

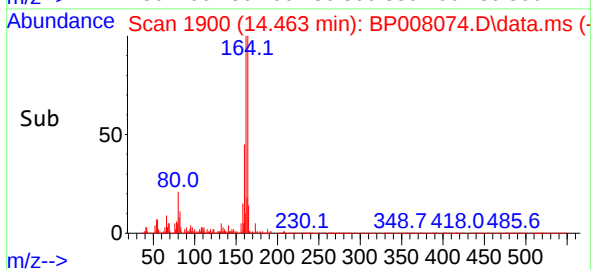
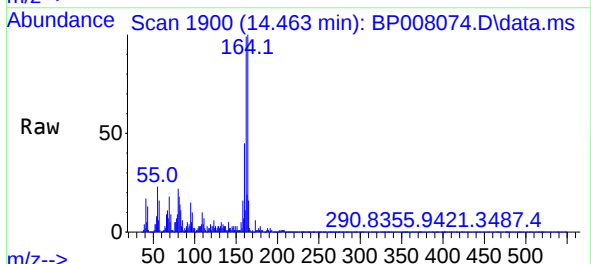
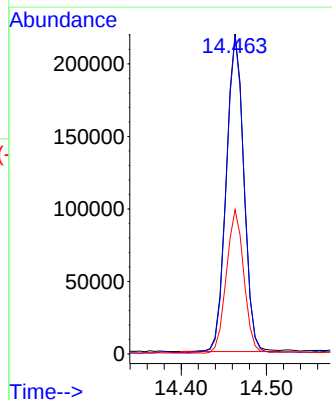
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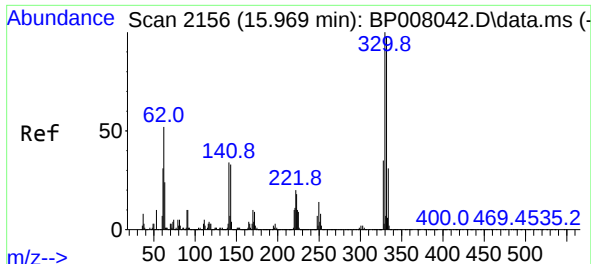
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1900
Delta R.T. -0.006 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

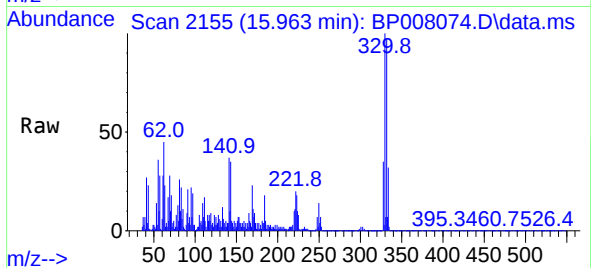
Tgt Ion:164 Resp: 314244
Ion Ratio Lower Upper
164 100
162 99.4 81.8 122.8
160 45.1 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 94.847 ng
RT: 15.963 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

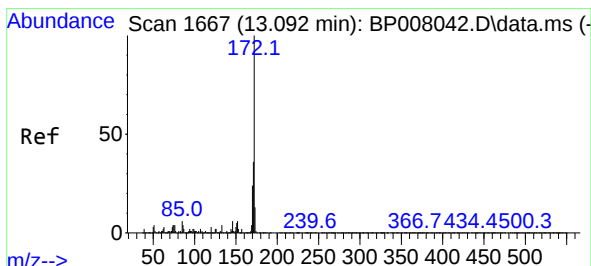
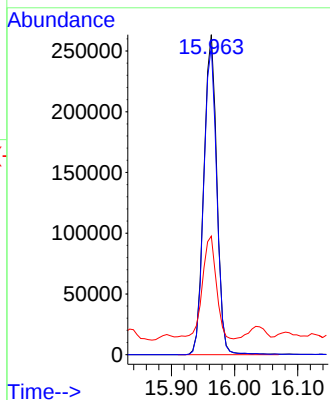
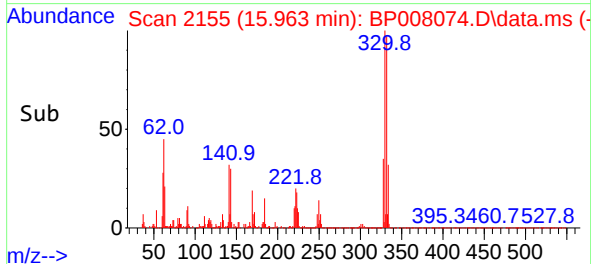
Instrument :
BNA_P
ClientSampleId :
72-11929



Tgt Ion:330 Resp: 377190
Ion Ratio Lower Upper
330 100
332 96.6 78.0 117.0
141 34.1 29.6 44.4

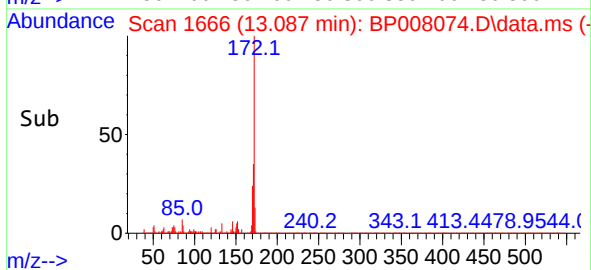
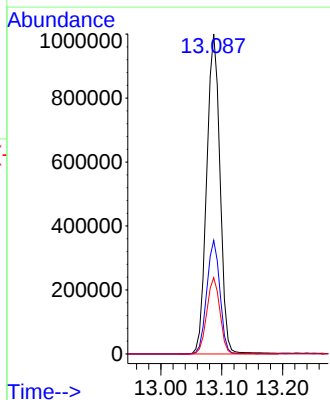
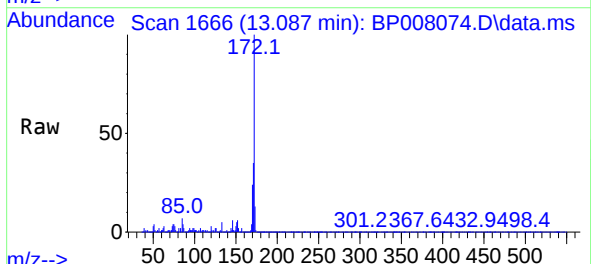
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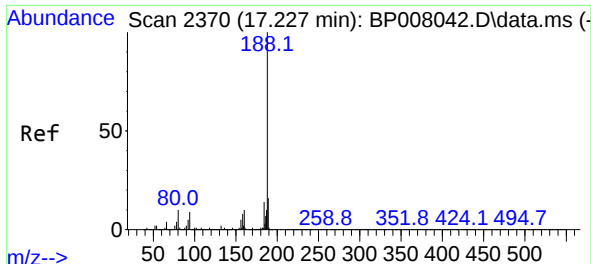
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#45
2-Fluorobiphenyl
Concen: 76.037 ng
RT: 13.087 min Scan# 1666
Delta R.T. -0.005 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

Tgt Ion:172 Resp: 1525971
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 23.9 19.0 28.4





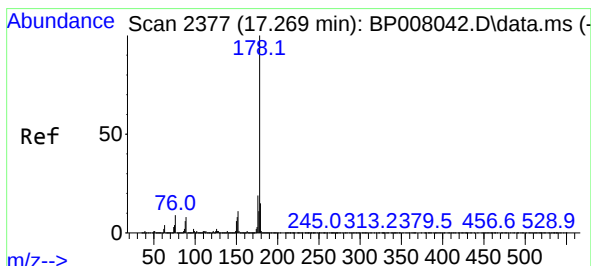
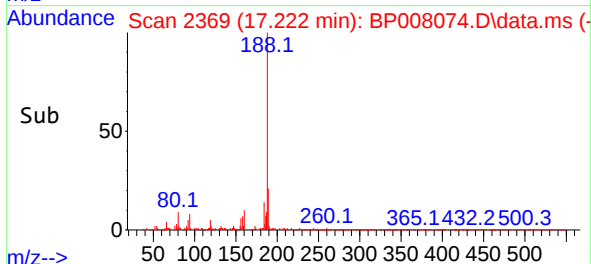
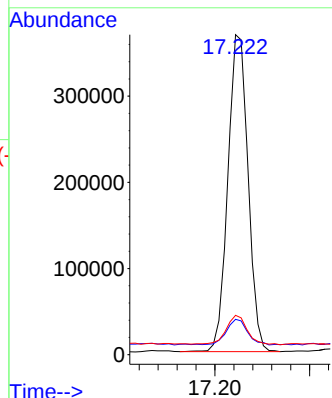
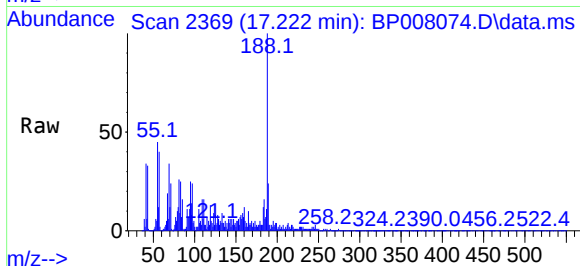
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 21
Delta R.T. -0.005 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

Instrument :
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ClientSampleId :
72-11929

Tgt Ion:188 Resp: 54525
Ion Ratio Lower Upper
188 100
94 11.0 7.1 10.7
80 12.3 8.1 12.1

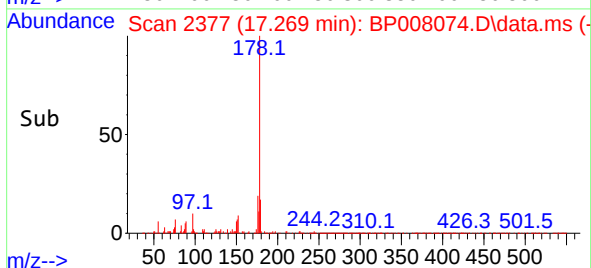
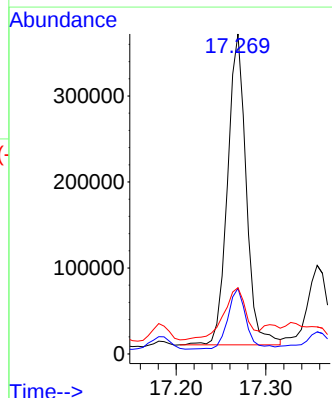
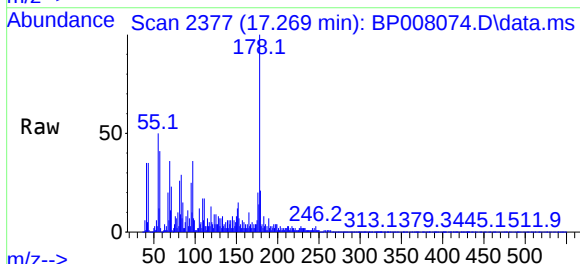
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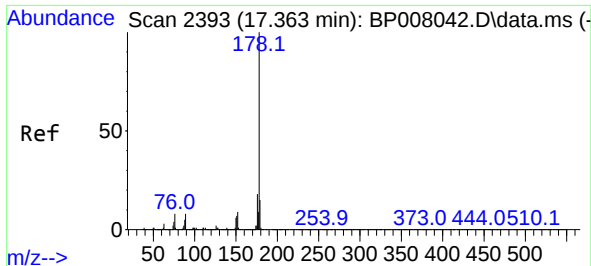
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Supervised By :mohammad ahmed 11/24/2021



#71
Phenanthrene
Concen: 17.690 ng
RT: 17.269 min Scan# 2377
Delta R.T. -0.000 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

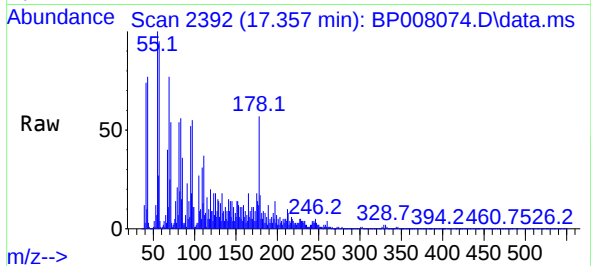
Tgt Ion:178 Resp: 519700
Ion Ratio Lower Upper
178 100
176 20.5 15.6 23.4
179 20.7 12.4 18.6





#72
 Anthracene
 Concen: 4.734 ng
 RT: 17.357 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP008074.D
 Acq: 21 Nov 2021 00:28

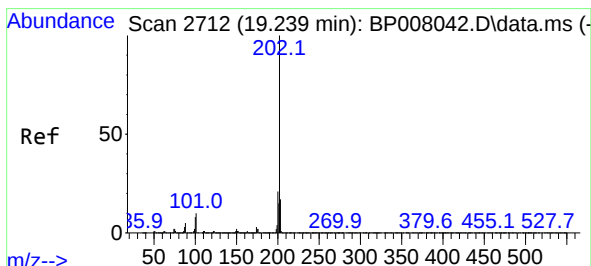
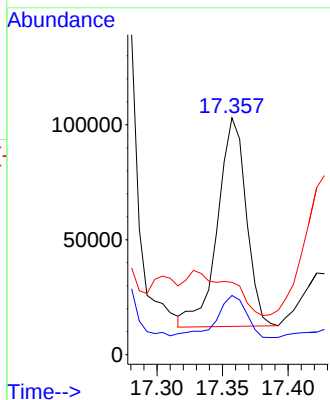
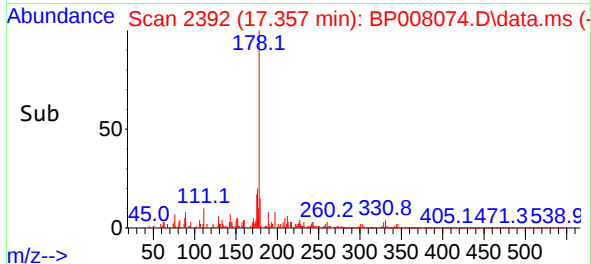
Instrument :
 BNA_P
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 72-11929



Tgt Ion:178 Resp: 13770
 Ion Ratio Lower Upper
 178 100
 176 25.0 14.7 22.1
 179 30.6 12.2 18.4

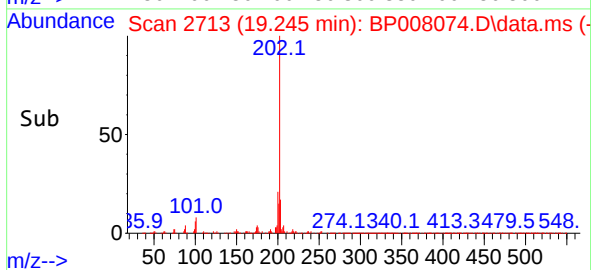
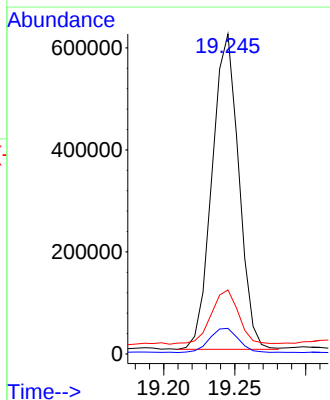
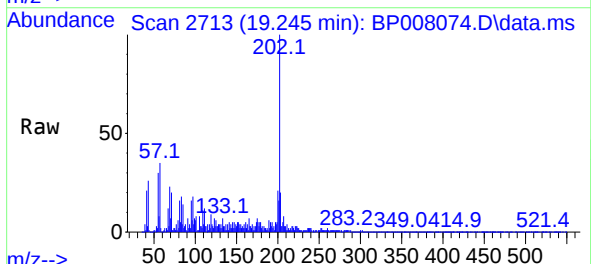
Manual Integrations
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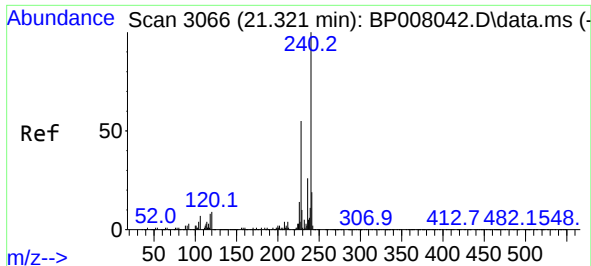
Reviewed By :Jagrut Upadhyay 11/22/2021
 Supervised By :mohammad ahmed 11/24/2021



#75
 Fluoranthene
 Concen: 21.388 ng
 RT: 19.245 min Scan# 2713
 Delta R.T. 0.006 min
 Lab File: BP008074.D
 Acq: 21 Nov 2021 00:28

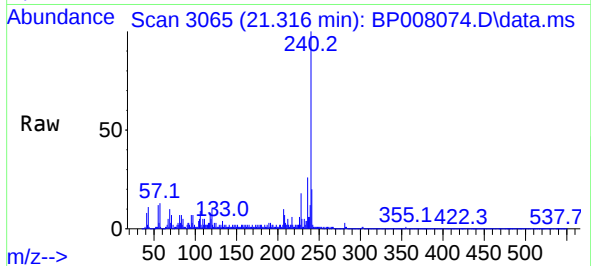
Tgt Ion:202 Resp: 809893
 Ion Ratio Lower Upper
 202 100
 101 8.0 0.0 29.5
 203 20.0 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 3066
Delta R.T. -0.005 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

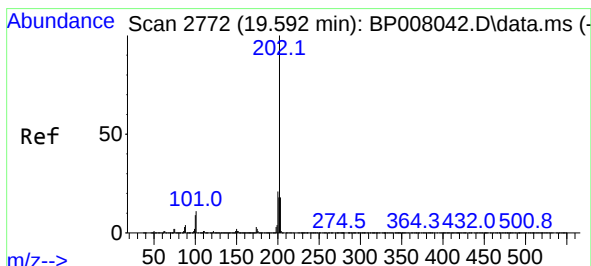
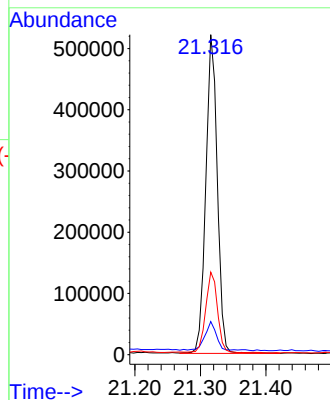
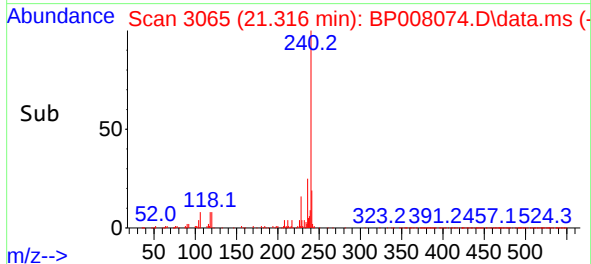
Instrument :
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Tgt Ion:240 Resp: 636040
Ion Ratio Lower Upper
240 100
120 10.3 7.4 11.2
236 25.8 21.0 31.4

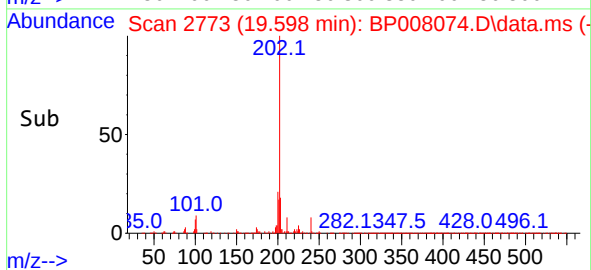
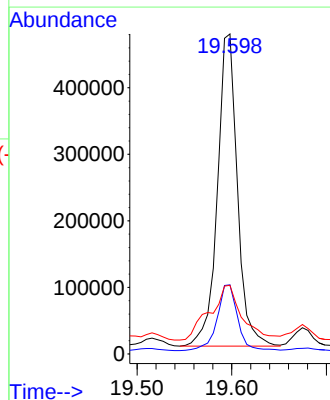
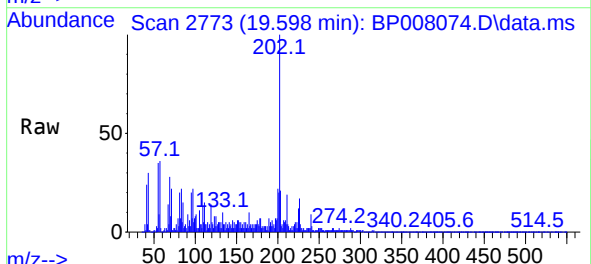
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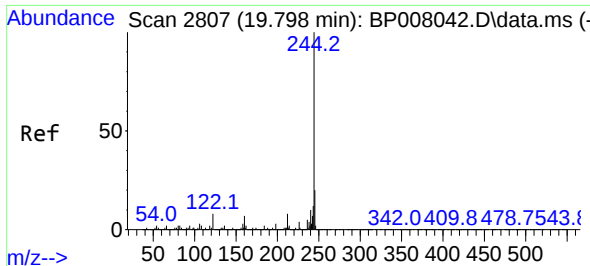
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#78
Pyrene
Concen: 15.962 ng
RT: 19.598 min Scan# 2773
Delta R.T. 0.006 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

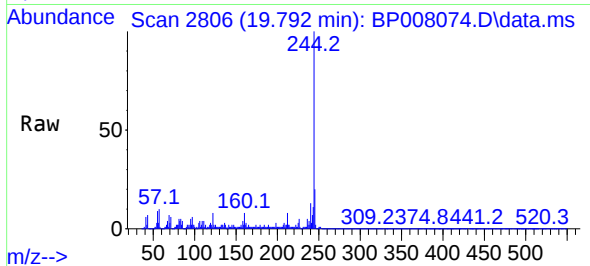
Tgt Ion:202 Resp: 689423
Ion Ratio Lower Upper
202 100
200 21.6 16.9 25.3
203 21.5 14.2 21.2#





#79
Terphenyl-d14
Concen: 61.440 ng
RT: 19.792 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

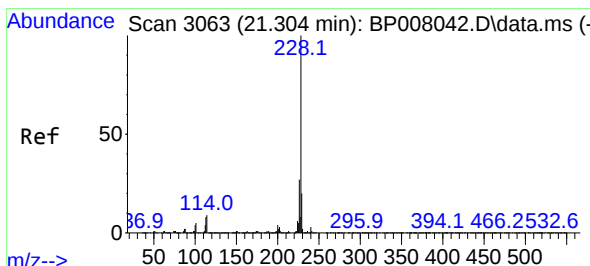
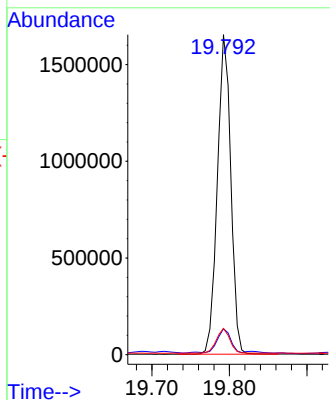
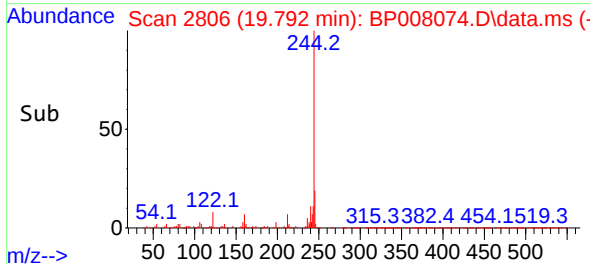
Instrument :
BNA_P
ClientSampleId :
72-11929



Tgt Ion:244 Resp: 1987644
Ion Ratio Lower Upper
244 100
212 8.1 6.3 9.5
122 8.2 6.1 9.1

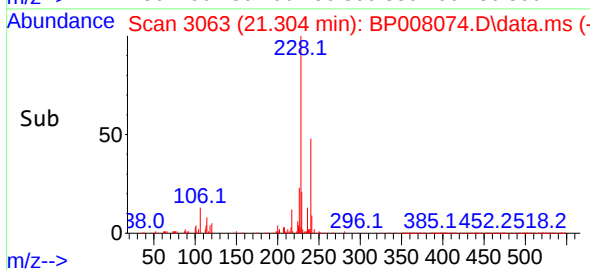
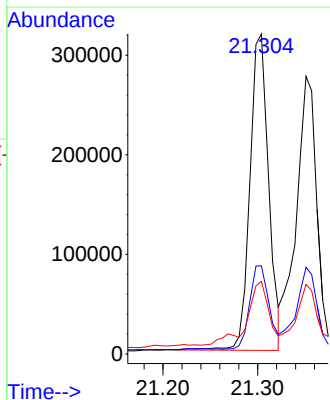
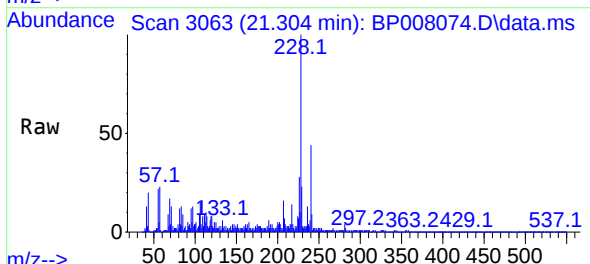
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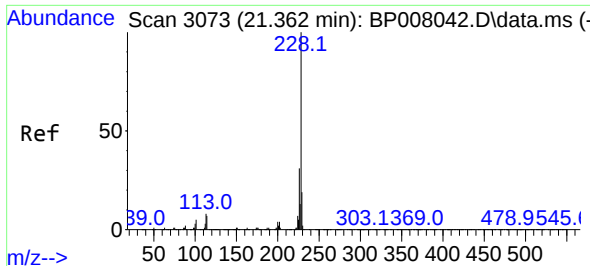
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#81
Benzo(a)anthracene
Concen: 10.231 ng
RT: 21.304 min Scan# 3063
Delta R.T. 0.000 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

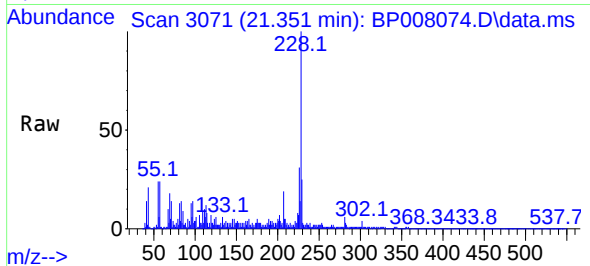
Tgt Ion:228 Resp: 436428
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.6
229 22.7 16.1 24.1





#83
Chrysene
Concen: 10.559 ng m
RT: 21.351 min Scan# 3071
Delta R.T. -0.011 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

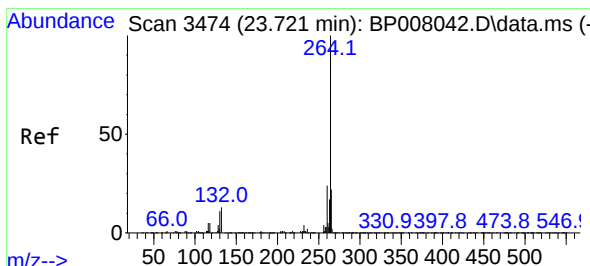
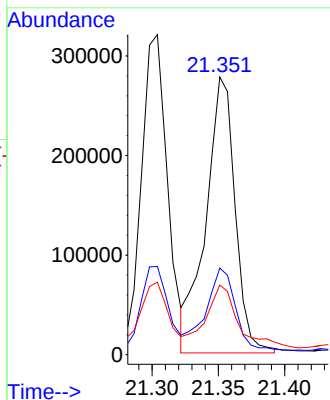
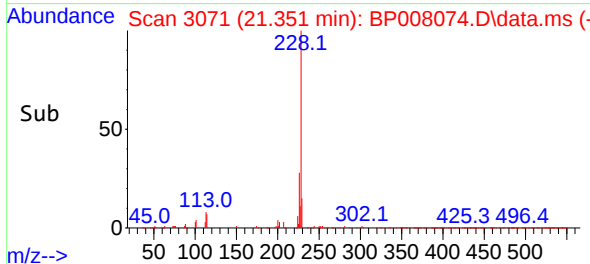
Instrument :
BNA_P
ClientSampleId :
72-11929



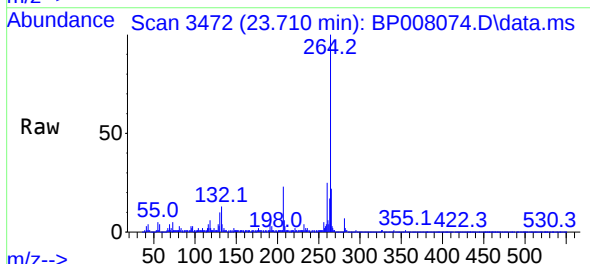
Tgt Ion:228 Resp: 427372
Ion Ratio Lower Upper
228 100
226 31.2 24.5 36.7
229 25.1 15.5 23.3

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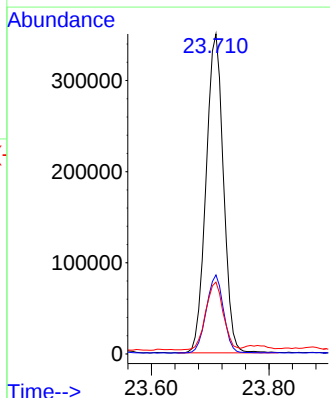
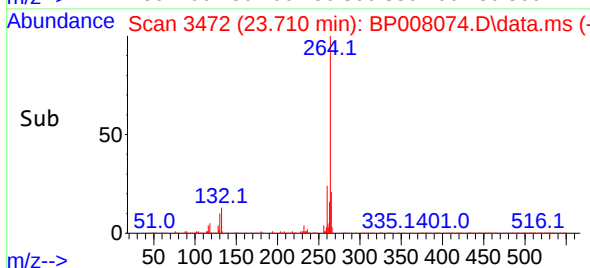
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021

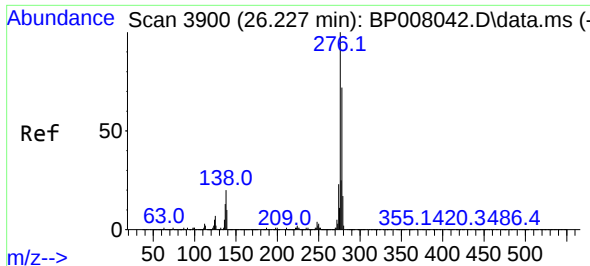


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.710 min Scan# 3472
Delta R.T. -0.011 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28



Tgt Ion:264 Resp: 717899
Ion Ratio Lower Upper
264 100
260 24.7 19.0 28.6
265 22.4 17.7 26.5





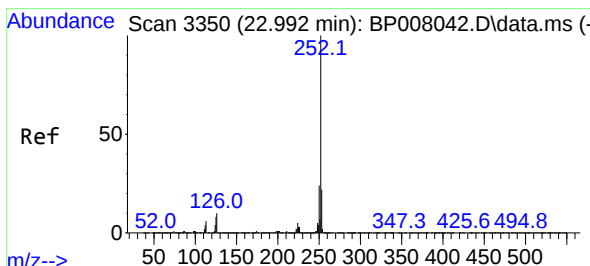
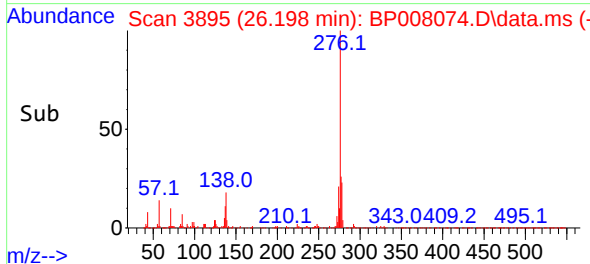
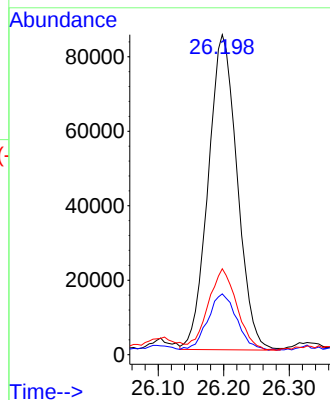
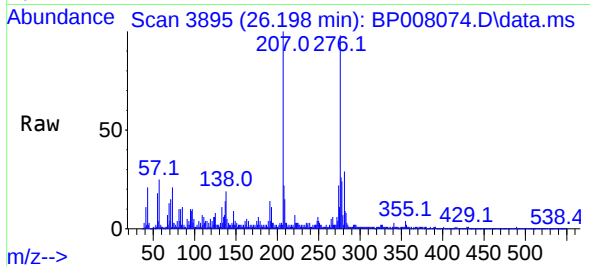
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.212 ng
RT: 26.198 min Scan# 31
Delta R.T. -0.029 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

Instrument :
BNA_P
ClientSampleId :
72-11929

Tgt Ion:276 Resp: 25965
Ion Ratio Lower Upper
276 100
138 17.9 16.5 24.7
277 25.7 20.2 30.4

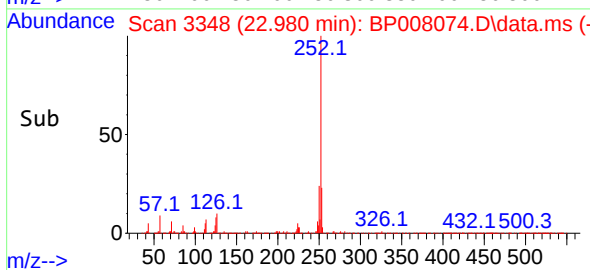
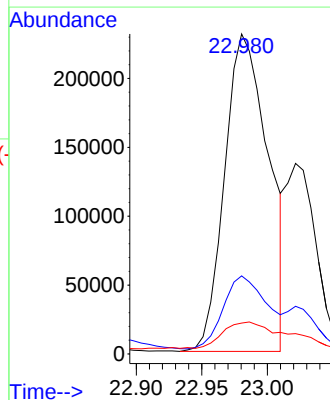
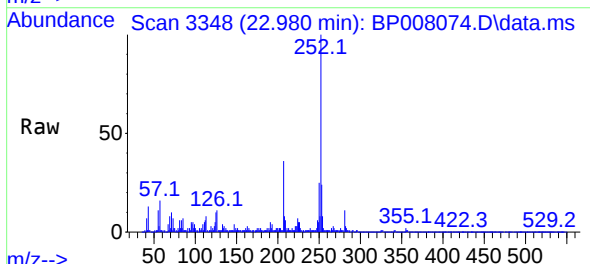
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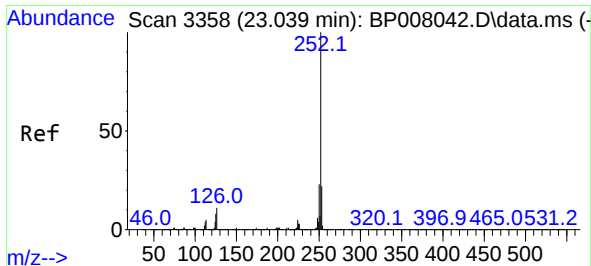
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#88
Benzo(b)fluoranthene
Concen: 11.904 ng
RT: 22.980 min Scan# 3348
Delta R.T. -0.011 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

Tgt Ion:252 Resp: 534329
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.2
125 9.7 6.1 9.1#





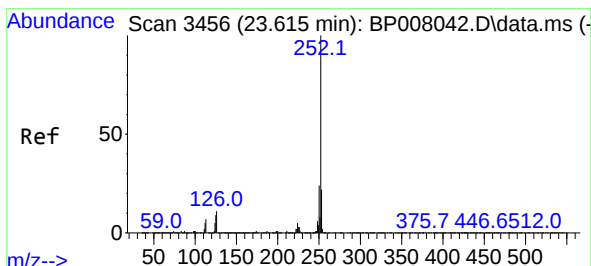
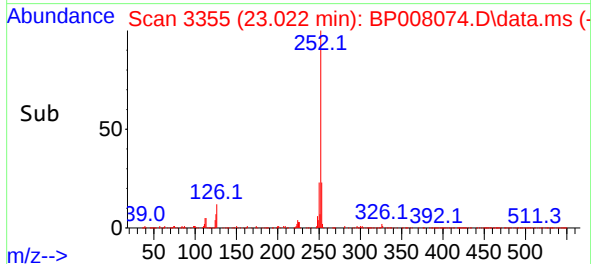
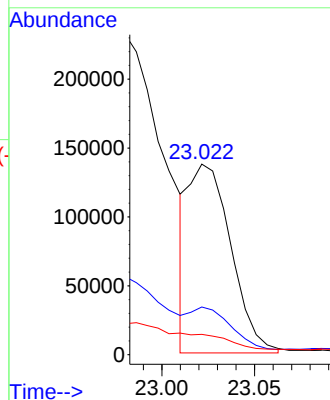
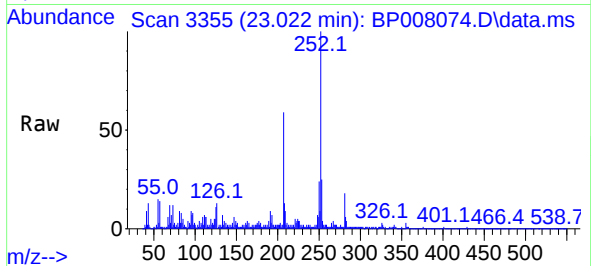
#89
Benzo(k)fluoranthene
Concen: 4.867 ng m
RT: 23.022 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

Instrument :
BNA_P
ClientSampleId :
72-11929

Tgt Ion:252 Resp: 217334
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.0
125 10.7 6.2 9.4

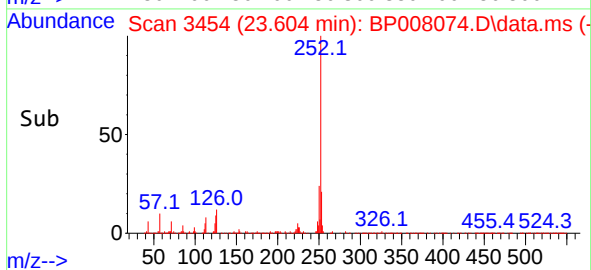
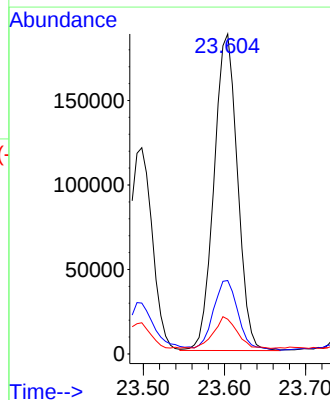
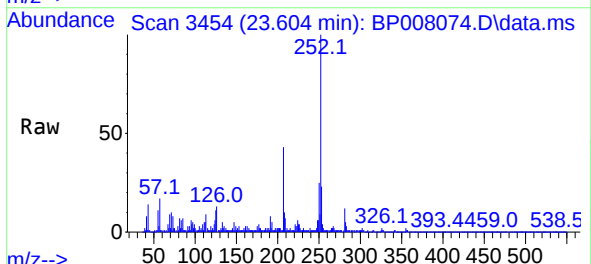
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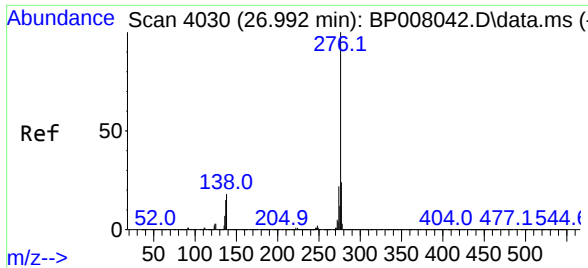
Reviewed By :Jagrut Upadhyay 11/22/2021
Supervised By :mohammad ahmed 11/24/2021



#90
Benzo(a)pyrene
Concen: 10.018 ng
RT: 23.604 min Scan# 3454
Delta R.T. -0.011 min
Lab File: BP008074.D
Acq: 21 Nov 2021 00:28

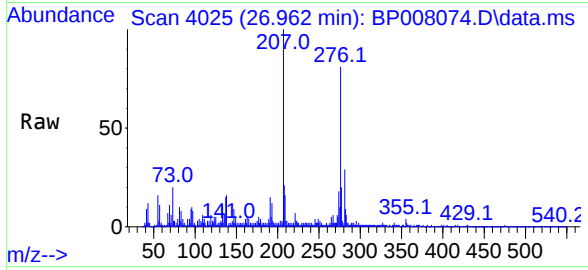
Tgt Ion:252 Resp: 376841
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 10.9 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.966 ng
 RT: 26.962 min Scan# 40
 Delta R.T. -0.030 min
 Lab File: BP008074.D
 Acq: 21 Nov 2021 00:28

Instrument :
 BNA_P
 ClientSampleId :
 72-11929



Tgt Ion: 276 Resp: 24233
 Ion Ratio Lower Upper
 276 100
 277 24.7 19.0 28.6
 138 19.6 14.2 21.2

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

