

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008425.D
 Acq On : 15 Dec 2021 19:49
 Operator : CG/JU
 Sample : M5033-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CL-01-121021

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/16/2021
 Supervised By : Jagrut Upadhyay 12/16/2021

Quant Time: Dec 15 20:34:57 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 17:59:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	53243	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	182788	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	117282	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	261878	20.000	ng	0.00
76) Chrysene-d12	21.263	240	333621	20.000	ng	0.00
86) Perylene-d12	23.633	264	374826	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	146320	43.400	ng	0.00
7) Phenol-d6	6.940	99	183020	40.419	ng	0.00
23) Nitrobenzene-d5	8.910	82	124010	28.742	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	80462	46.684	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	245765	26.638	ng	0.00
79) Terphenyl-d14	19.727	244	480135	25.047	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.116	152	98687	9.289	ng	100
58) Fluorene	15.451	166	26699	3.203	ng	# 94
71) Phenanthrene	17.198	178	351096	24.750	ng	100
72) Anthracene	17.292	178	125332	8.955	ng	98
75) Fluoranthene	19.180	202	657721	41.067	ng	99
78) Pyrene	19.533	202	757201	31.723	ng	100
81) Benzo(a)anthracene	21.251	228	413021	18.473	ng	97
83) Chrysene	21.298	228	430175	20.142	ng	98
87) Indeno(1,2,3-cd)pyrene	26.103	276	267151	9.054	ng	# 94
88) Benzo(b)fluoranthene	22.921	252	531025m	23.551	ng	
89) Benzo(k)fluoranthene	22.957	252	130141m	5.724	ng	
90) Benzo(a)pyrene	23.527	252	378649	19.348	ng	97
91) Dibenzo(a,h)anthracene	26.098	278	79109	3.203	ng	# 89
92) Benzo(g,h,i)perylene	26.862	276	274392	11.219	ng	97

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

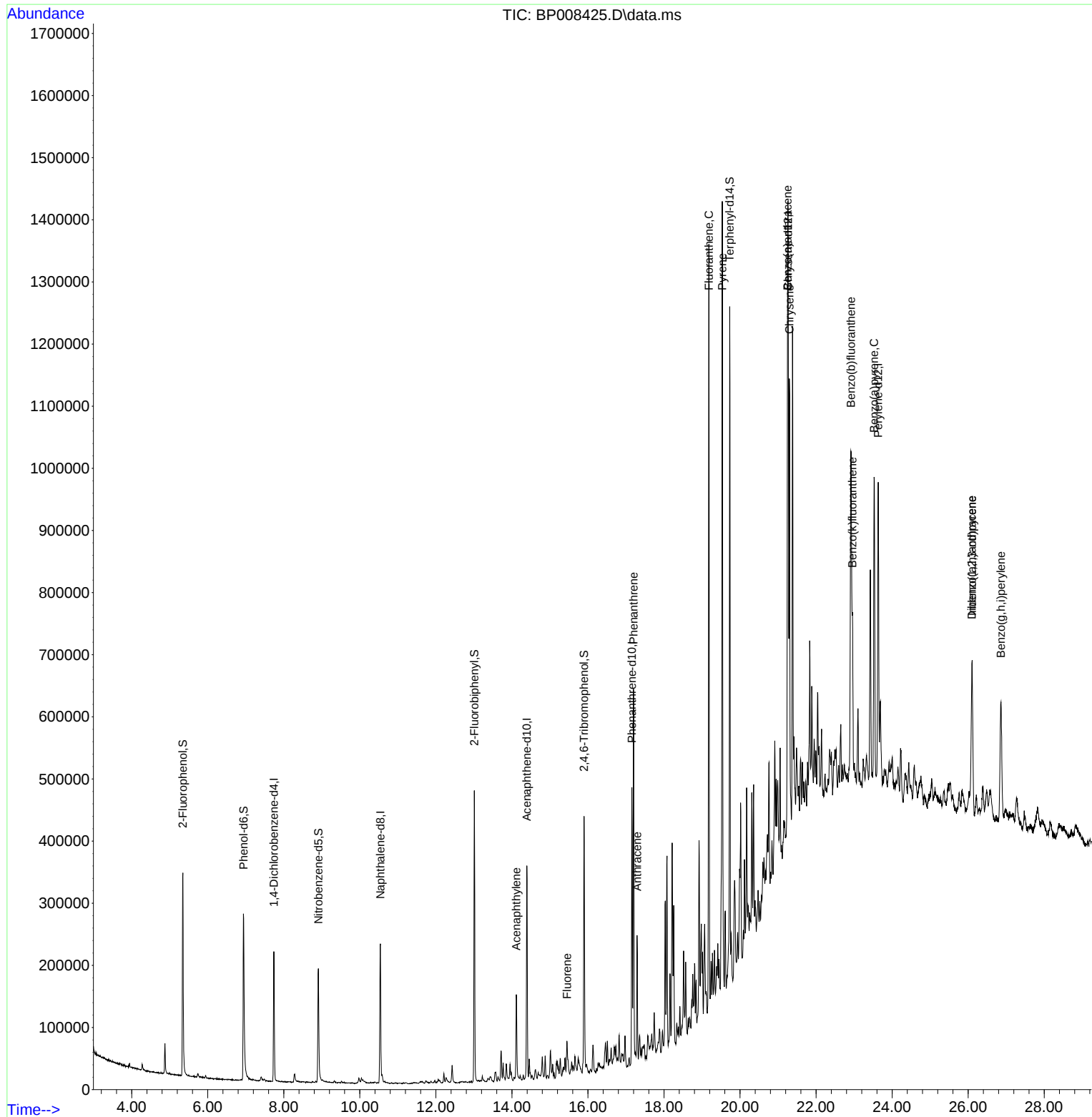
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008425.D
Acq On : 15 Dec 2021 19:49
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Misc :
ALS Vial : 18 Sample Multiplier: 1

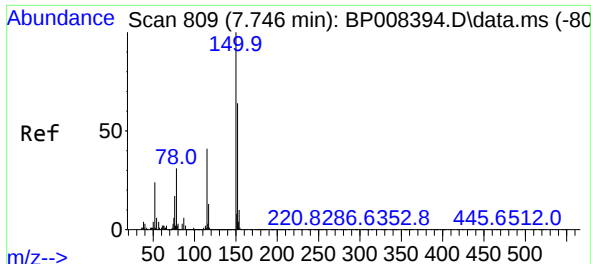
Instrument :
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Quant Time: Dec 15 20:34:57 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
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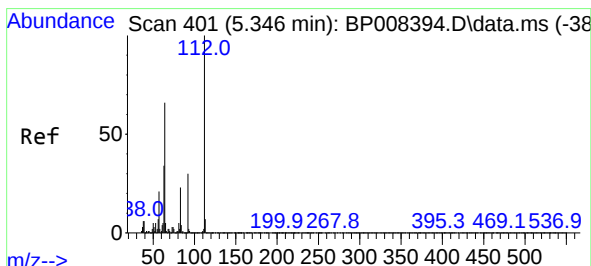
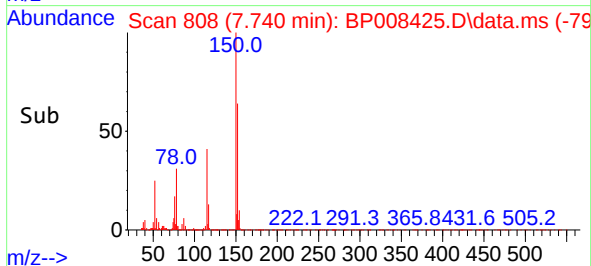
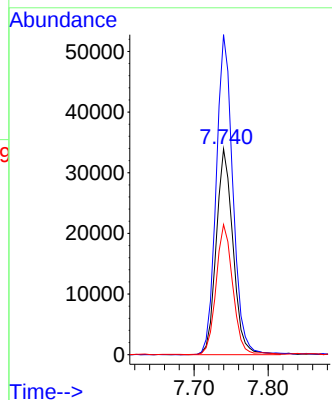
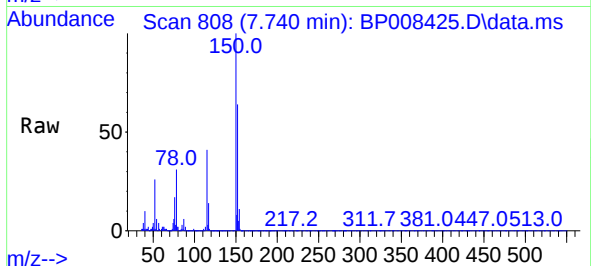
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 809
Delta R.T. -0.006 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Instrument :
BNA_P
ClientSampleId :
CL-01-121021

Tgt Ion:152 Resp: 5324
Ion Ratio Lower Upper
152 100
150 155.5 125.7 188.5
115 63.2 50.7 76.1

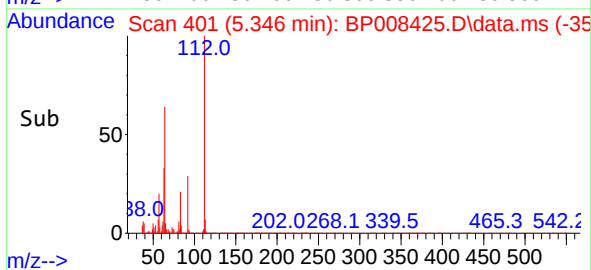
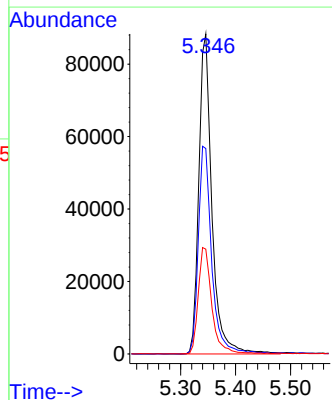
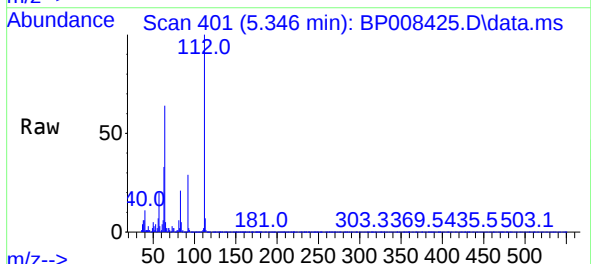
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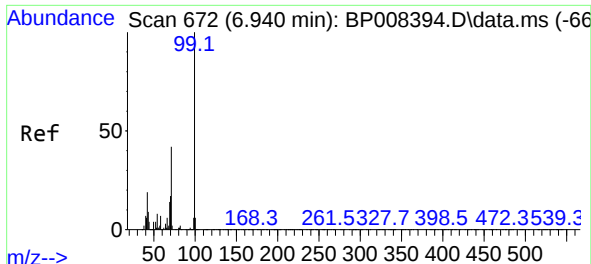
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Supervised By :Jagrut Upadhyay 12/16/2021



#5
2-Fluorophenol
Concen: 43.400 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.000 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

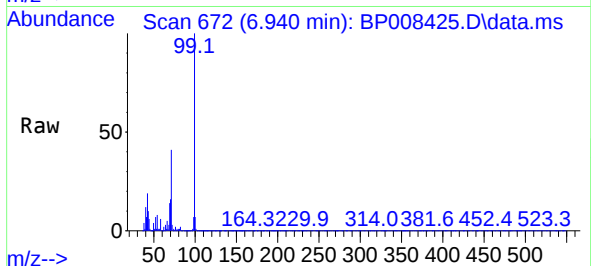
Tgt Ion:112 Resp: 146320
Ion Ratio Lower Upper
112 100
64 64.2 53.4 80.2
63 32.7 27.8 41.8





Phenol-d6
Concen: 40.419 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Instrument :
BNA_P
ClientSampleId :
CL-01-121021

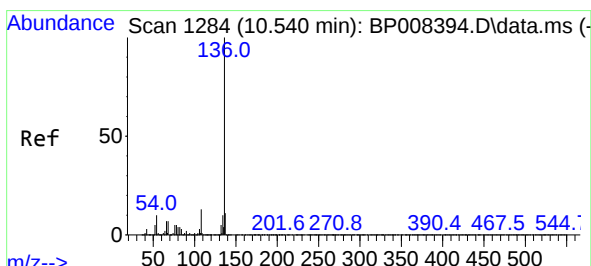
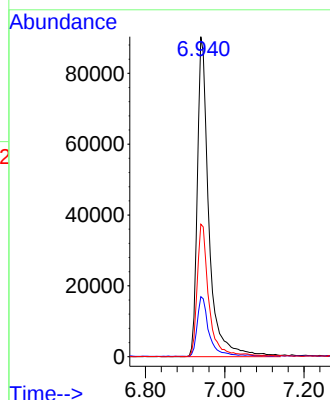
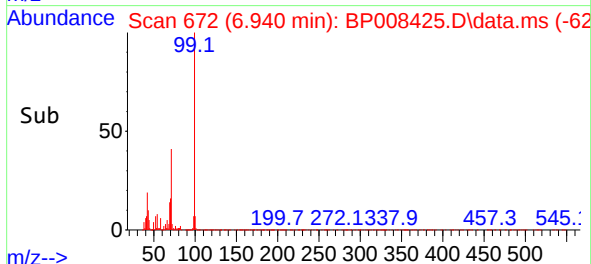


Tgt Ion: 99 Resp: 183020

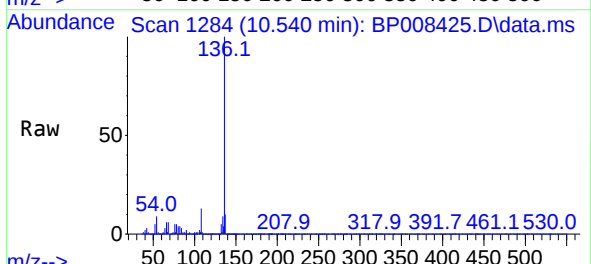
Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.6	22.0
71	41.4	31.1	46.7

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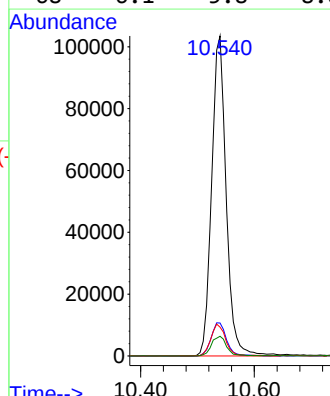
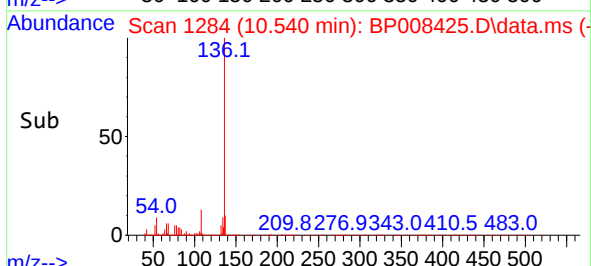


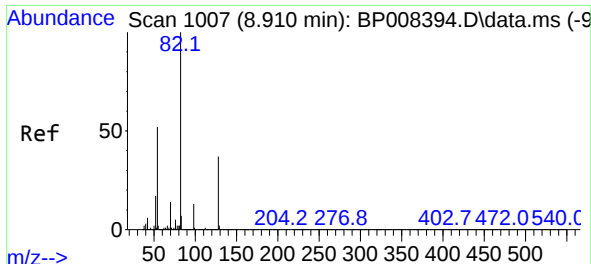
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49



Tgt Ion:136 Resp: 182788

Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.0	13.6
54	9.0	8.2	12.4
68	6.1	5.8	8.8





#23

Nitrobenzene-d5

Concen: 28.742 ng

RT: 8.910 min Scan# 1007

Delta R.T. -0.000 min

Lab File: BP008425.D

Acq: 15 Dec 2021 19:49

Instrument :

BNA_P

ClientSampleId :

CL-01-121021

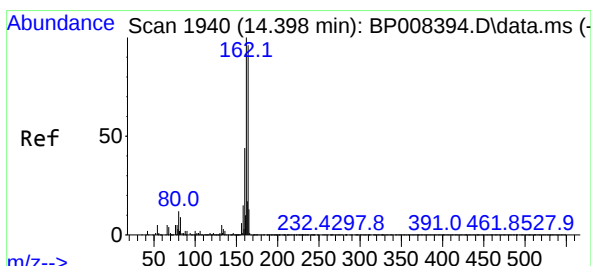
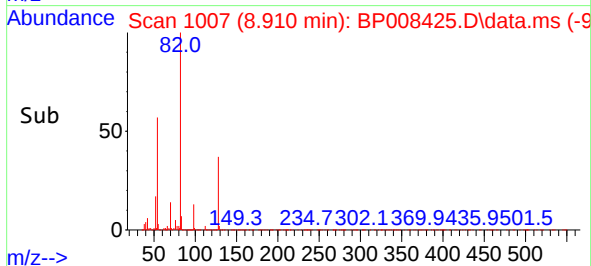
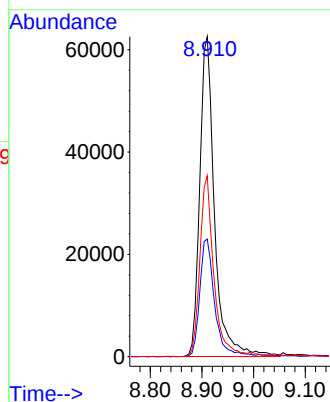
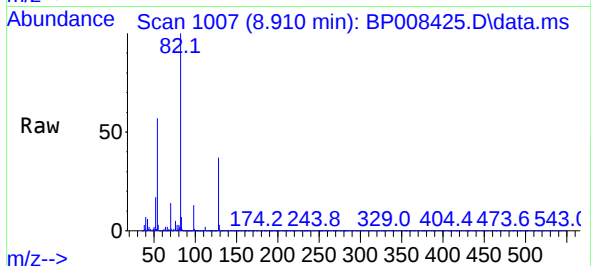
Tgt Ion: 82 Resp: 124010

Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.6	44.4
54	56.6	42.7	64.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1939

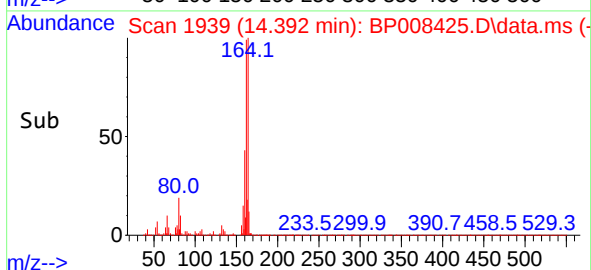
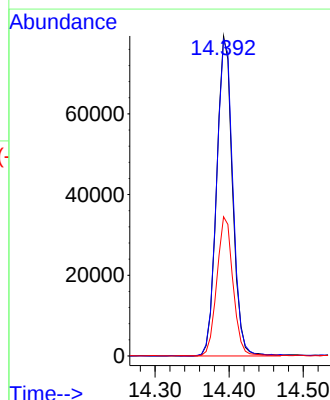
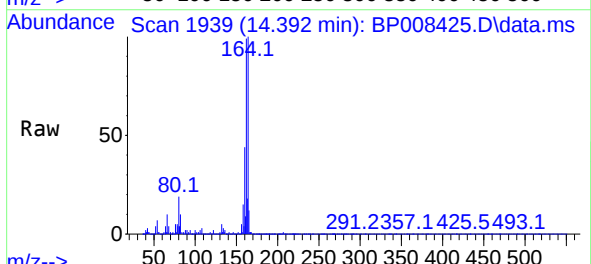
Delta R.T. -0.006 min

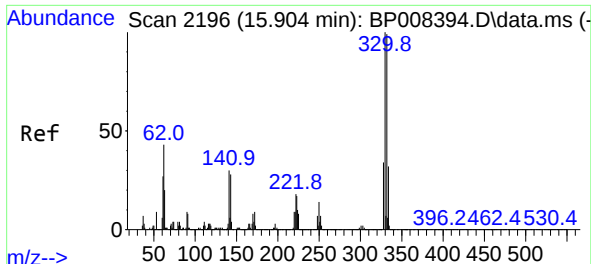
Lab File: BP008425.D

Acq: 15 Dec 2021 19:49

Tgt Ion:164 Resp: 117282

Ion	Ratio	Lower	Upper
164	100		
162	98.8	81.9	122.9
160	43.5	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 46.684 ng
RT: 15.898 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Instrument :

BNA_P

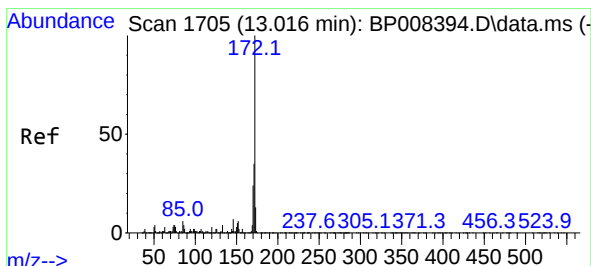
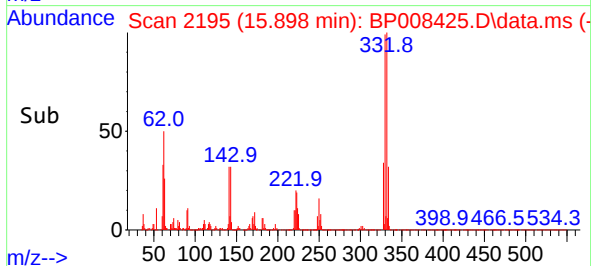
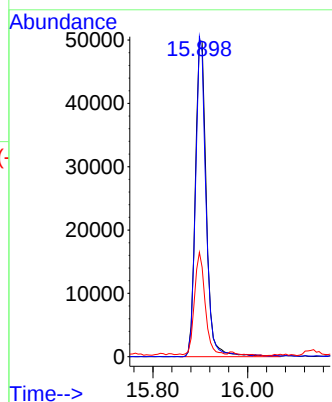
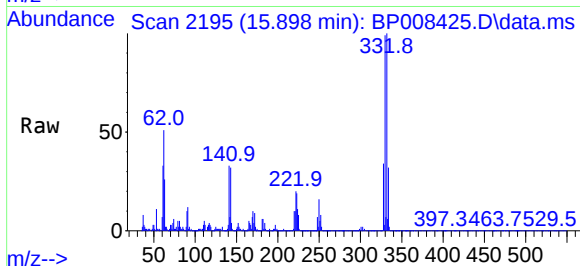
ClientSampleId :

CL-01-121021

Tgt Ion:330 Resp: 80462
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.4
141 31.2 28.4 42.6

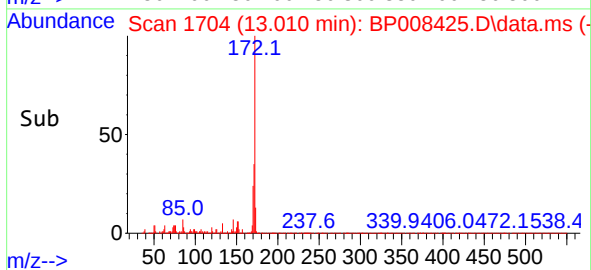
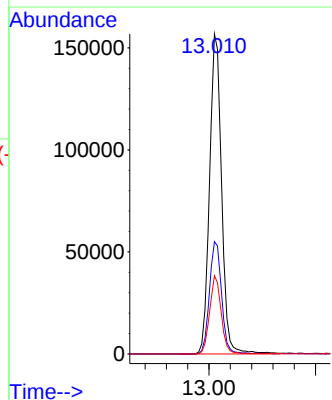
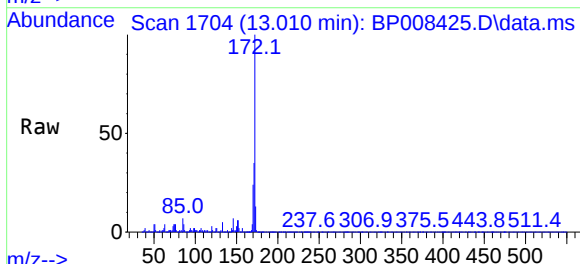
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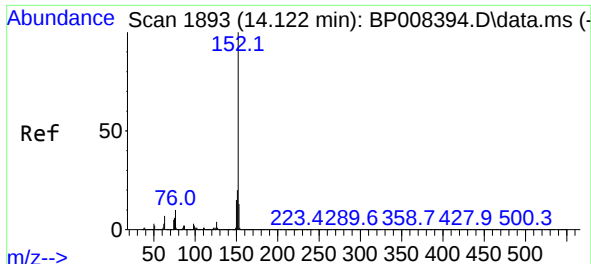
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#45
2-Fluorobiphenyl
Concen: 26.638 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Tgt Ion:172 Resp: 245765
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 24.4 18.9 28.3





#49
Acenaphthylene
Concen: 9.289 ng
RT: 14.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Instrument :

BNA_P

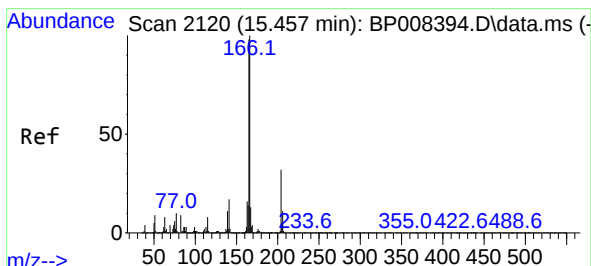
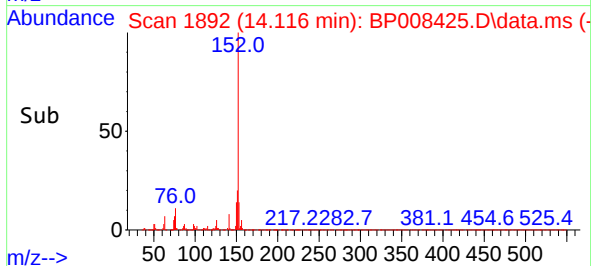
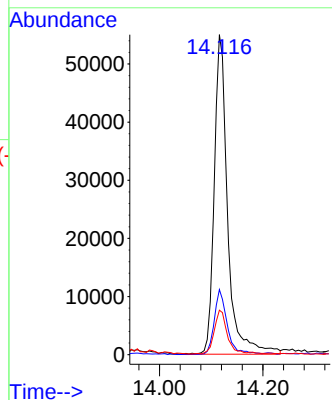
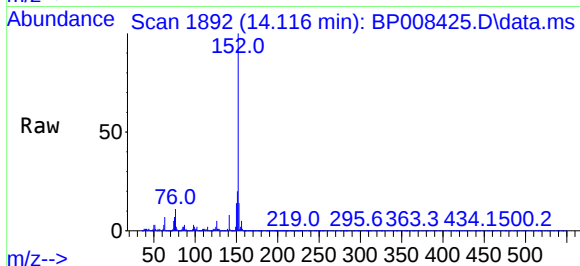
ClientSampleId :

CL-01-121021

Tgt Ion:152 Resp: 9868
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4
153 13.9 10.9 16.3

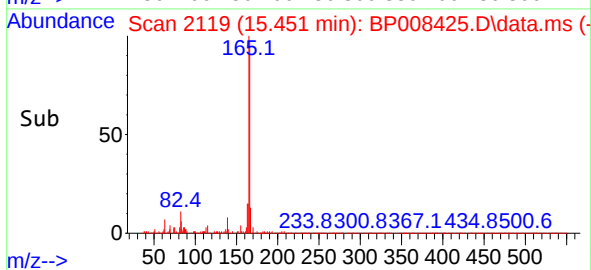
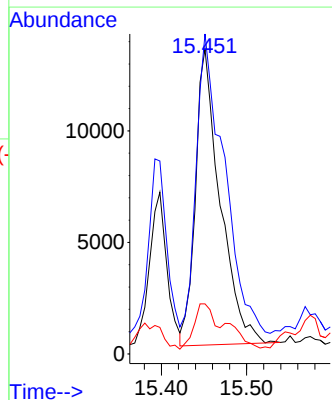
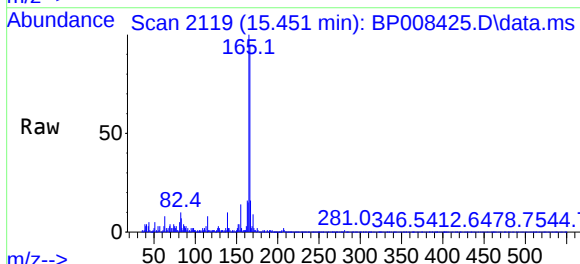
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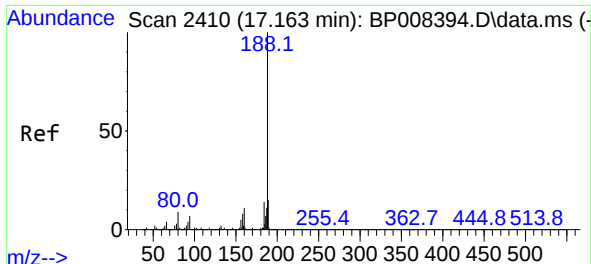
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#58
Fluorene
Concen: 3.203 ng
RT: 15.451 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Tgt Ion:166 Resp: 26699
Ion Ratio Lower Upper
166 100
165 104.9 79.4 119.2
167 16.4 10.9 16.3#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Instrument :

BNA_P

ClientSampleId :

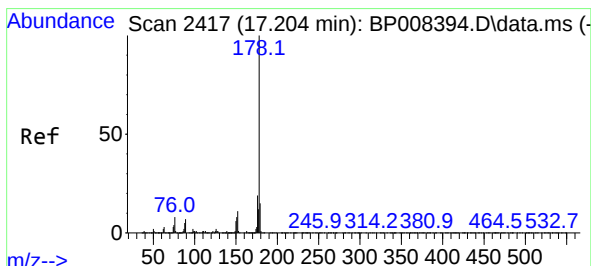
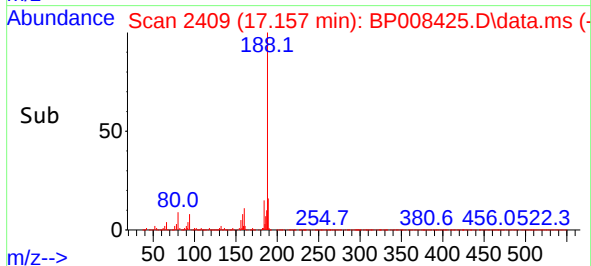
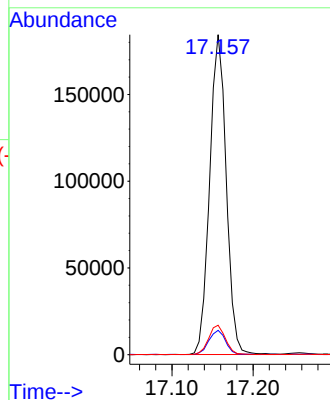
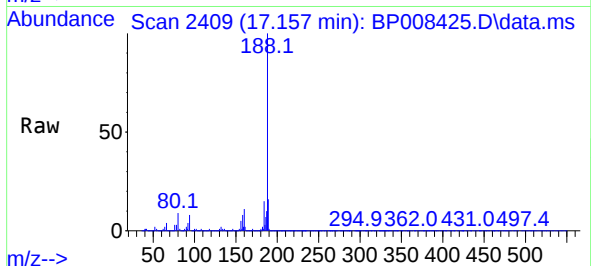
CL-01-121021

Tgt Ion:188 Resp: 261878
Ion Ratio Lower Upper
188 100
94 7.6 7.2 10.8
80 9.2 8.2 12.4

Manual Integrations

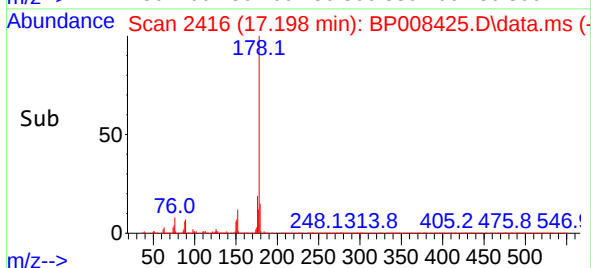
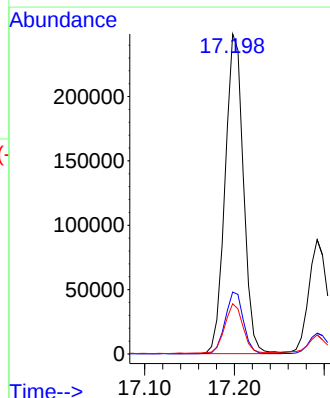
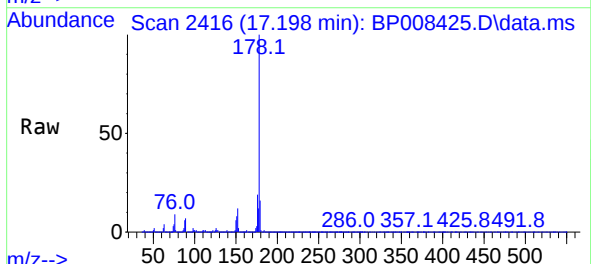
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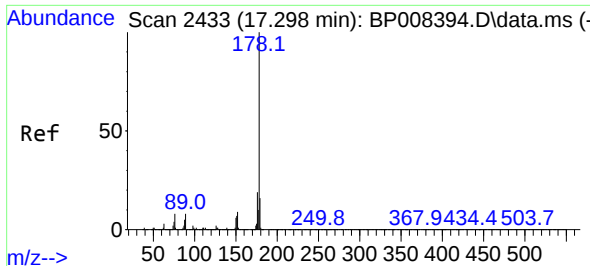
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#71
Phenanthrene
Concen: 24.750 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

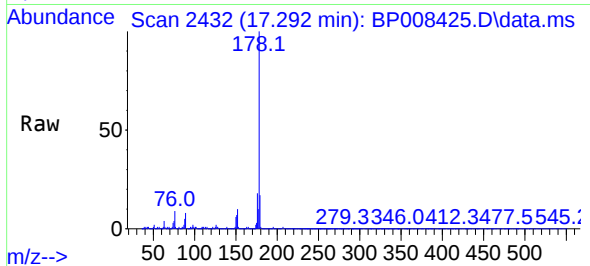
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Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.7 12.5 18.7





#72
 Anthracene
 Concen: 8.955 ng
 RT: 17.292 min Scan# 2433
 Delta R.T. -0.006 min
 Lab File: BP008425.D
 Acq: 15 Dec 2021 19:49

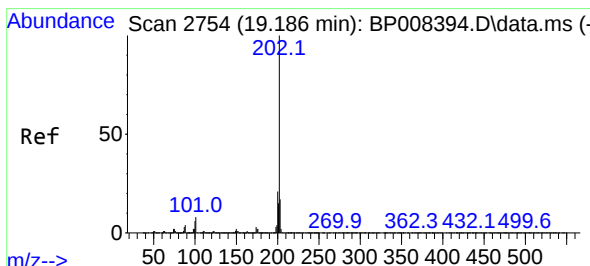
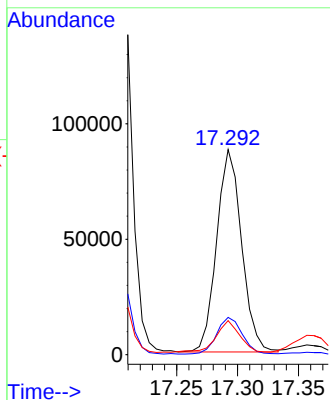
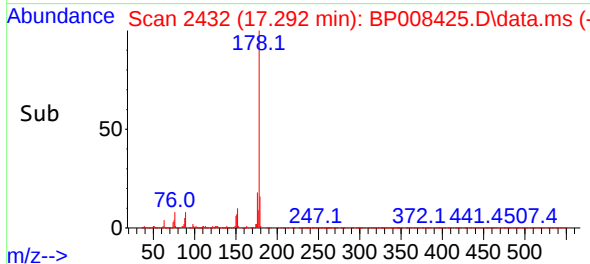
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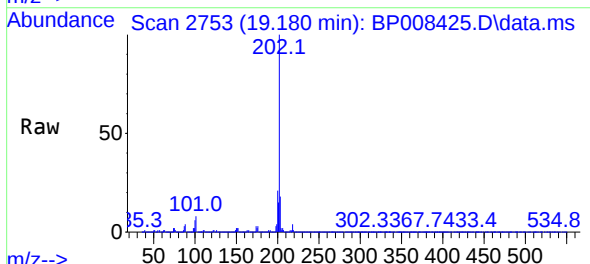
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 Ion Ratio Lower Upper
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 176 18.2 15.1 22.7
 179 16.6 12.3 18.5

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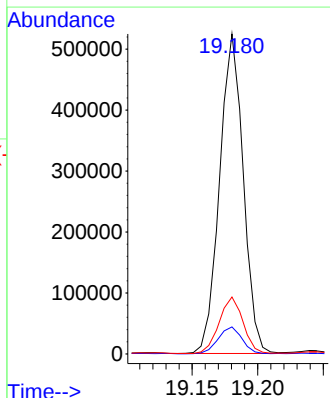
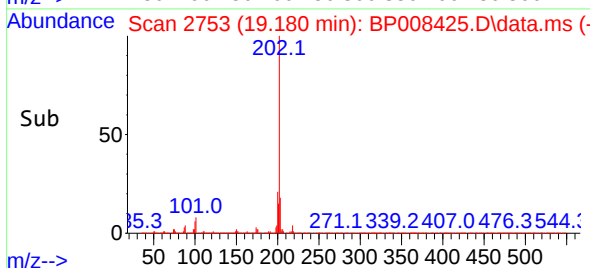
Reviewed By :Christian Giraldo 12/16/2021
 Supervised By :Jagrut Upadhyay 12/16/2021

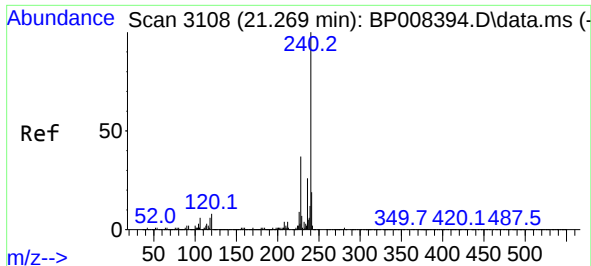


#75
 Fluoranthene
 Concen: 41.067 ng
 RT: 19.180 min Scan# 2753
 Delta R.T. -0.006 min
 Lab File: BP008425.D
 Acq: 15 Dec 2021 19:49



Tgt Ion:202 Resp: 657721
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 29.8
 203 17.8 0.0 37.7





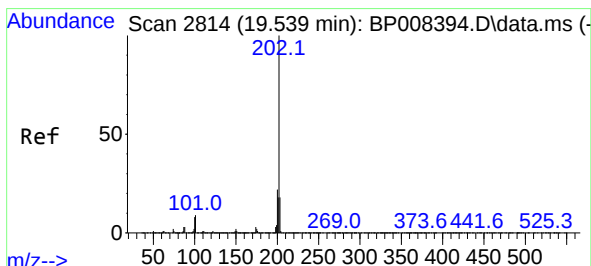
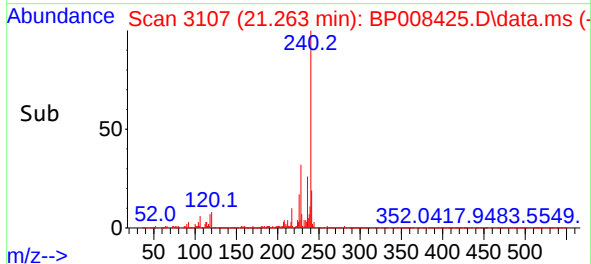
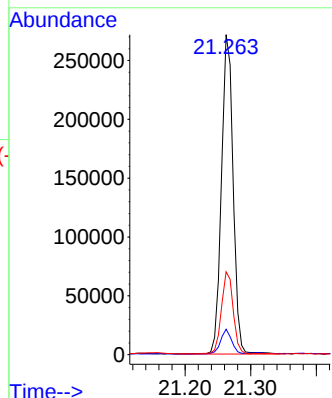
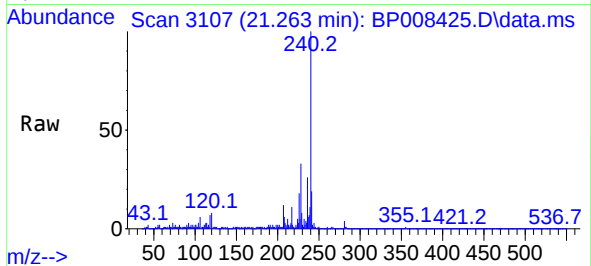
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.263 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Instrument :
BNA_P
ClientSampleId :
CL-01-121021

Tgt Ion:240 Resp: 33362
Ion Ratio Lower Upper
240 100
120 7.9 7.3 10.9
236 25.9 21.4 32.2

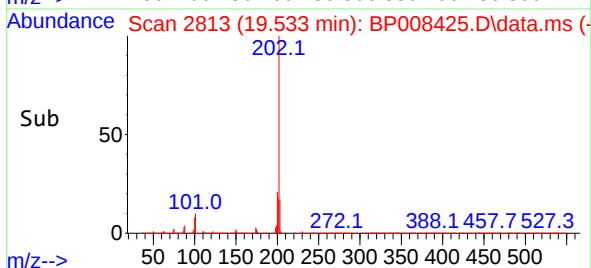
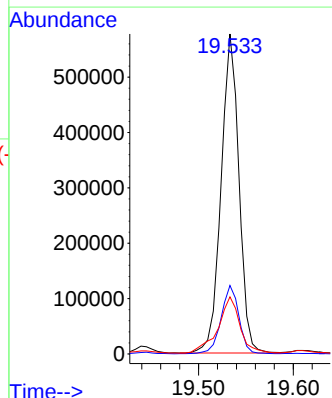
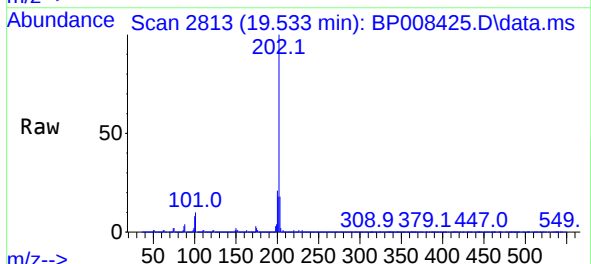
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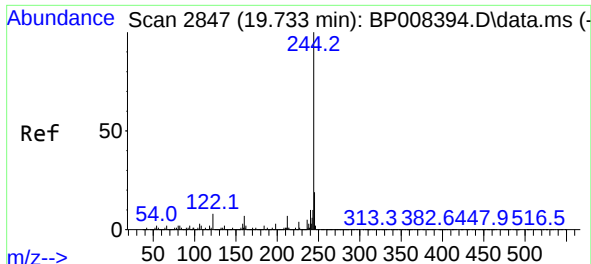
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#78
Pyrene
Concen: 31.723 ng
RT: 19.533 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Tgt Ion:202 Resp: 757201
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.9 14.2 21.2





#79
Terphenyl-d14
Concen: 25.047 ng
RT: 19.727 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Instrument :

BNA_P

ClientSampleId :

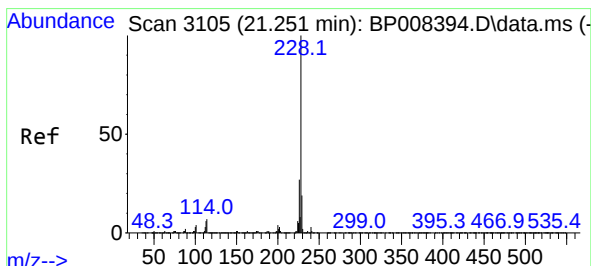
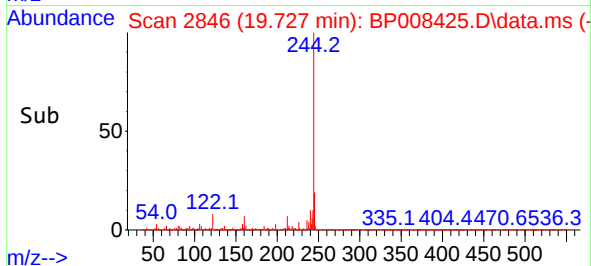
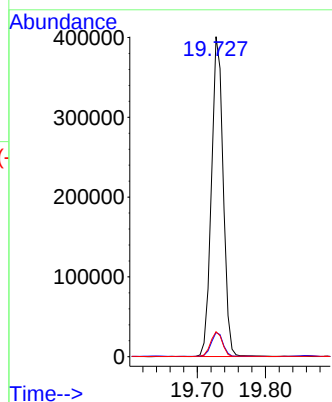
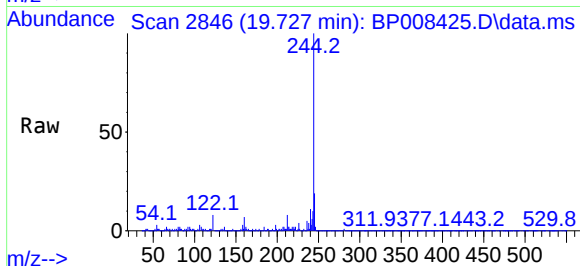
CL-01-121021

Tgt Ion:244 Resp: 480135
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 7.8 6.6 9.8

Manual Integrations

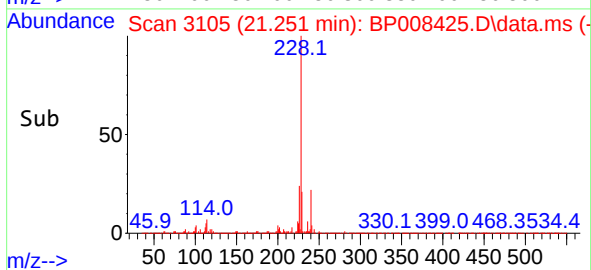
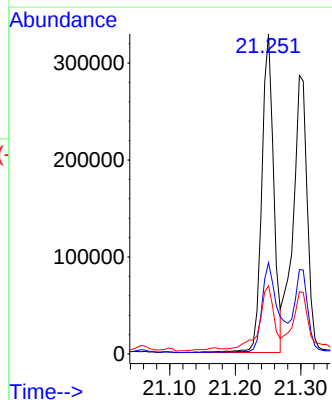
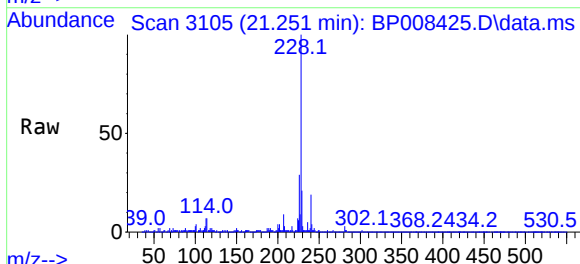
APPROVED

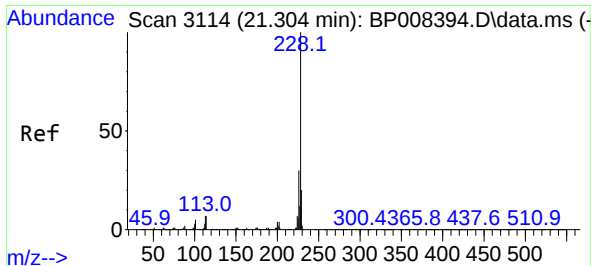
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#81
Benzo(a)anthracene
Concen: 18.473 ng
RT: 21.251 min Scan# 3105
Delta R.T. -0.000 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Tgt Ion:228 Resp: 413021
Ion Ratio Lower Upper
228 100
226 28.5 21.9 32.9
229 21.3 15.9 23.9





#83
Chrysene
Concen: 20.142 ng
RT: 21.298 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Instrument :

BNA_P

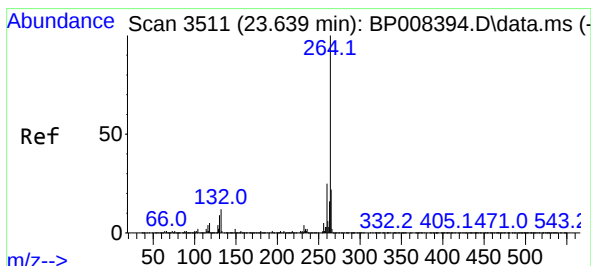
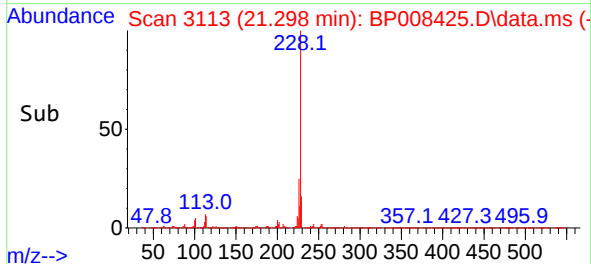
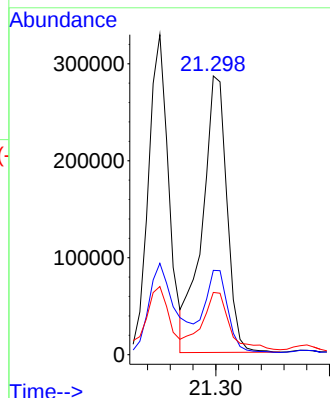
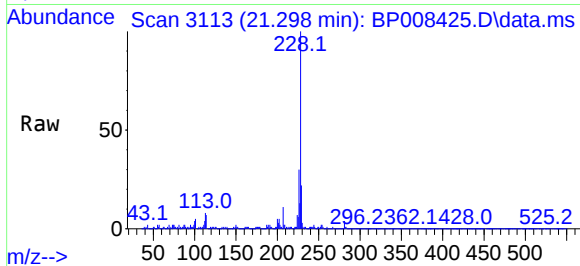
ClientSampleId :

CL-01-121021

Tgt Ion:228 Resp: 43017
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 22.3 15.8 23.8

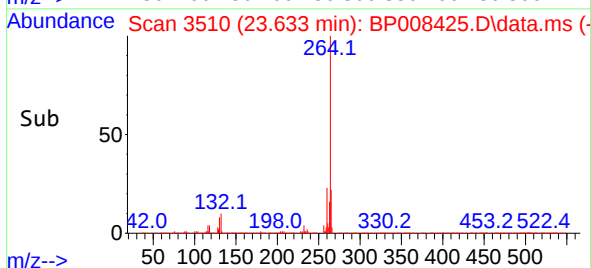
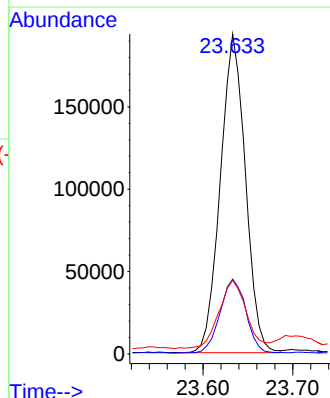
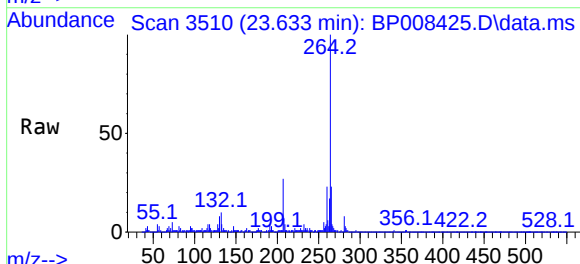
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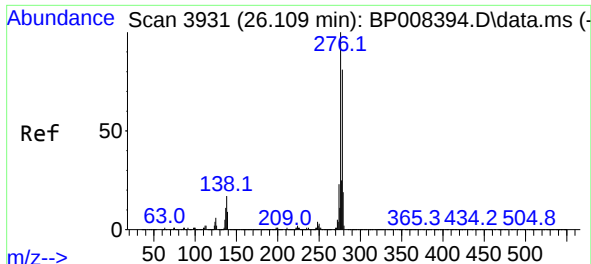
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.633 min Scan# 3510
Delta R.T. -0.006 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Tgt Ion:264 Resp: 374826
Ion Ratio Lower Upper
264 100
260 23.4 19.4 29.2
265 23.0 17.6 26.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.054 ng
 RT: 26.103 min Scan# 3930
 Delta R.T. -0.006 min
 Lab File: BP008425.D
 Acq: 15 Dec 2021 19:49

Instrument :

BNA_P

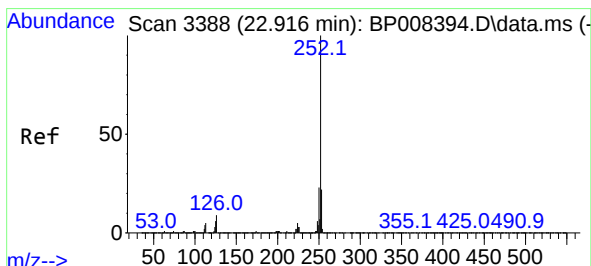
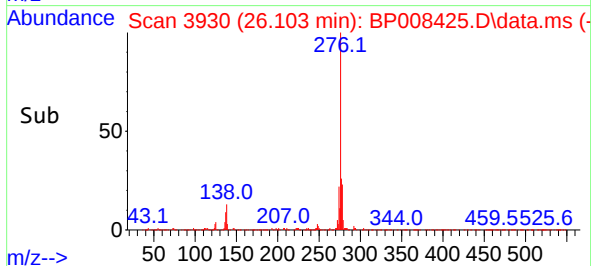
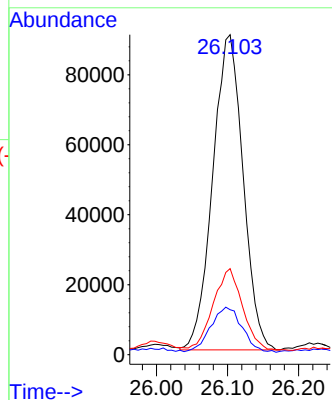
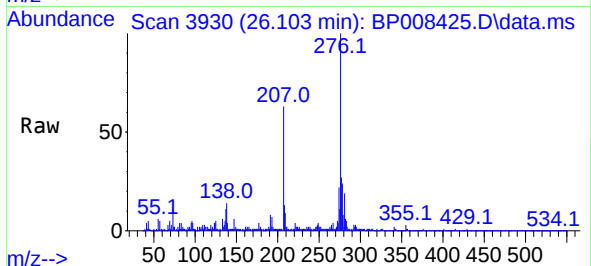
ClientSampleId :

CL-01-121021

Tgt Ion:276 Resp: 26715
 Ion Ratio Lower Upper
 276 100
 138 14.8 16.6 25.0
 277 25.1 20.2 30.2

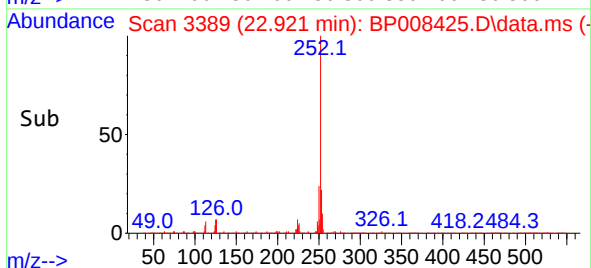
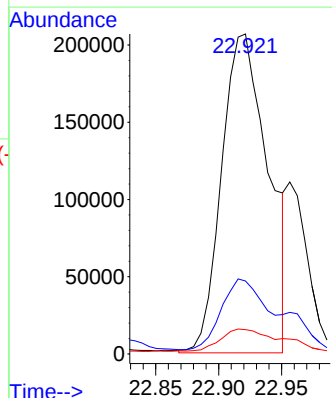
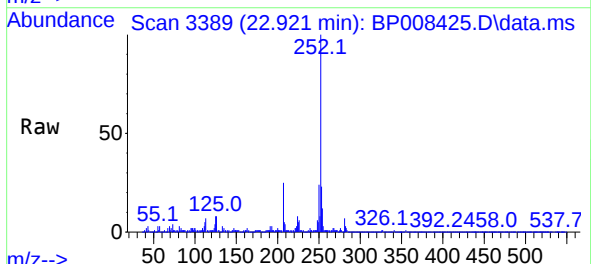
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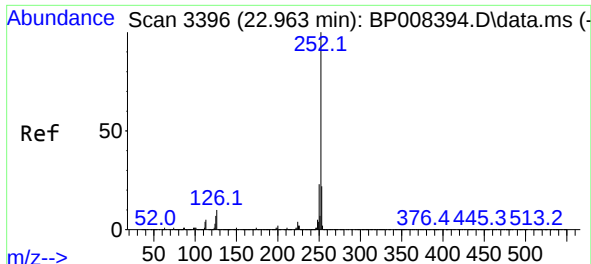
Reviewed By :Christian Giraldo 12/16/2021
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#88
 Benzo(b)fluoranthene
 Concen: 23.551 ng m
 RT: 22.921 min Scan# 3389
 Delta R.T. 0.006 min
 Lab File: BP008425.D
 Acq: 15 Dec 2021 19:49

Tgt Ion:252 Resp: 531025
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.7 26.5
 125 7.6 6.2 9.4





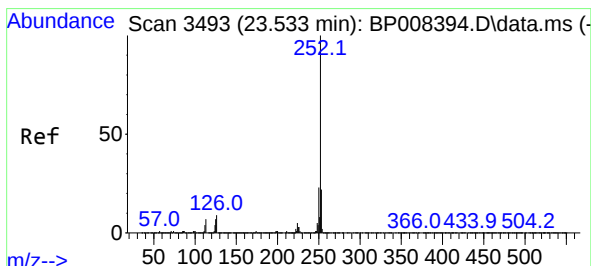
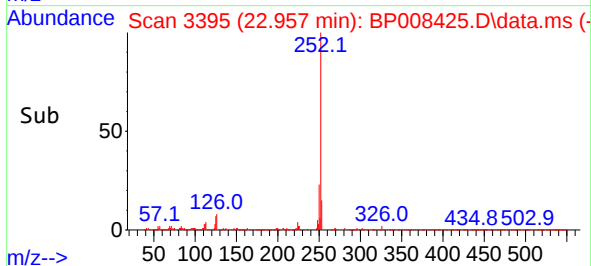
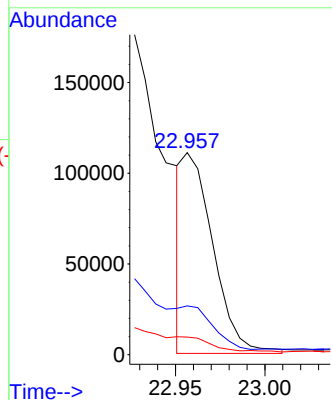
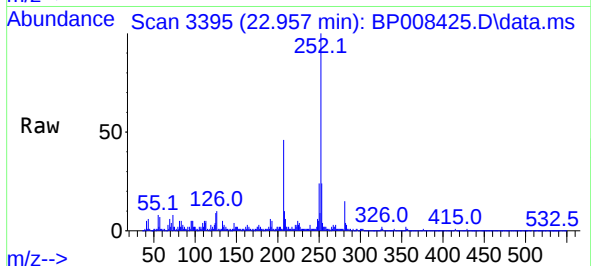
#89
Benzo(k)fluoranthene
Concen: 5.724 ng m
RT: 22.957 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Instrument :
BNA_P
ClientSampleId :
CL-01-121021

Tgt Ion:252 Resp: 13014
Ion Ratio Lower Upper
252 100
253 24.2 17.3 25.9
125 8.7 6.5 9.7

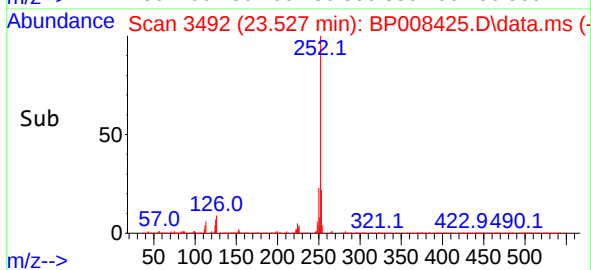
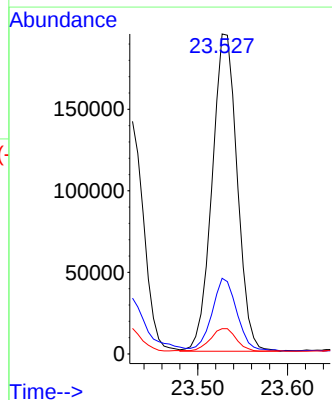
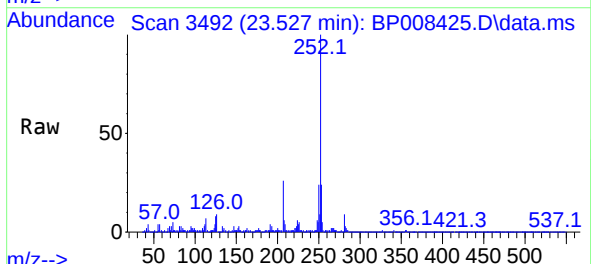
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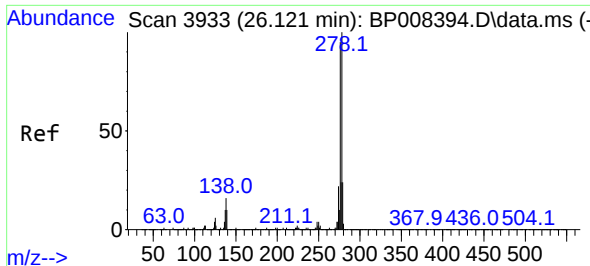
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#90
Benzo(a)pyrene
Concen: 19.348 ng
RT: 23.527 min Scan# 3492
Delta R.T. -0.006 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Tgt Ion:252 Resp: 378649
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 7.9 7.4 11.0





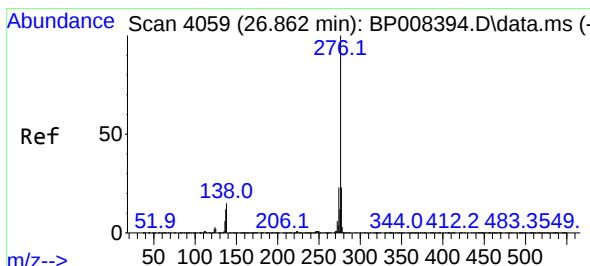
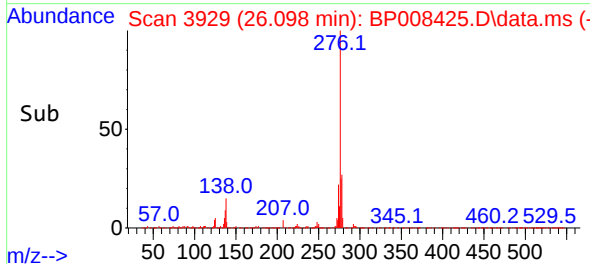
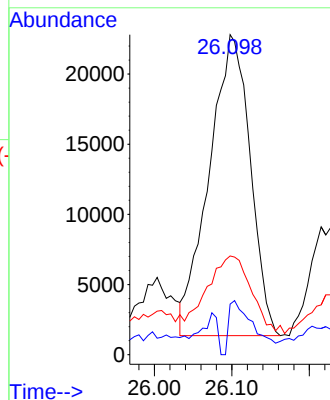
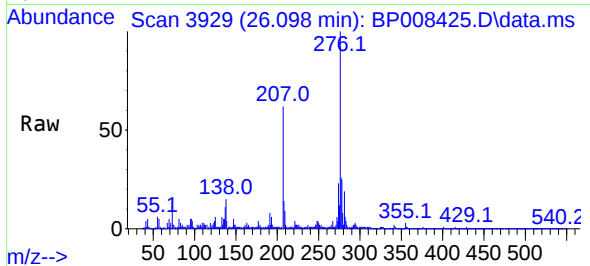
#91
Dibenzo(a,h)anthracene
Concen: 3.203 ng
RT: 26.098 min Scan# 3933
Delta R.T. -0.024 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Instrument :
BNA_P
ClientSampleId :
CL-01-121021

Tgt Ion:278 Resp: 79109
Ion Ratio Lower Upper
278 100
139 15.8 10.8 16.2
279 30.9 19.1 28.7

Manual Integrations
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Supervised By :Jagrut Upadhyay 12/16/2021



#92
Benzo(g,h,i)perylene
Concen: 11.219 ng
RT: 26.862 min Scan# 4059
Delta R.T. -0.000 min
Lab File: BP008425.D
Acq: 15 Dec 2021 19:49

Tgt Ion:276 Resp: 274392
Ion Ratio Lower Upper
276 100
277 25.7 20.0 30.0
138 15.2 14.1 21.1

