

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008419.D
 Acq On : 15 Dec 2021 16:22
 Operator : CG/JU
 Sample : M5076-13 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-20-C

Manual Integrations
 APPROVED

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

Quant Time: Dec 15 16:52:42 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	7.745	152	54398	20.000	ng	0.00
21) Naphthalene-d8	10.539	136	209923	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	142311	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	314150	20.000	ng	0.00
76) Chrysene-d12	21.262	240	358408	20.000	ng	0.00
86) Perylene-d12	23.633	264	399900	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	41090	11.929	ng	0.00
7) Phenol-d6	6.957	99	51461	11.124	ng	0.02
23) Nitrobenzene-d5	8.916	82	38343	7.738	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	20200	9.659	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	81439	7.275	ng	0.00
79) Terphenyl-d14	19.727	244	146867	7.132	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.198	178	522300	30.692	ng	99
72) Anthracene	17.292	178	93487	5.568	ng	99
75) Fluoranthene	19.180	202	757302	39.417	ng	99
78) Pyrene	19.533	202	1373711	53.571	ng	100
81) Benzo(a)anthracene	21.251	228	597323	24.868	ng	99
83) Chrysene	21.304	228	551947	24.057	ng	99
87) Indeno(1,2,3-cd)pyrene	26.092	276	212063m	6.737	ng	
88) Benzo(b)fluoranthene	22.915	252	454601m	18.898	ng	
89) Benzo(k)fluoranthene	22.956	252	149926m	6.180	ng	
90) Benzo(a)pyrene	23.527	252	384499	18.415	ng	98
91) Dibenzo(a,h)anthracene	26.092	278	84144m	3.193	ng	
92) Benzo(g,h,i)perylene	26.856	276	217440	8.333	ng	97

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

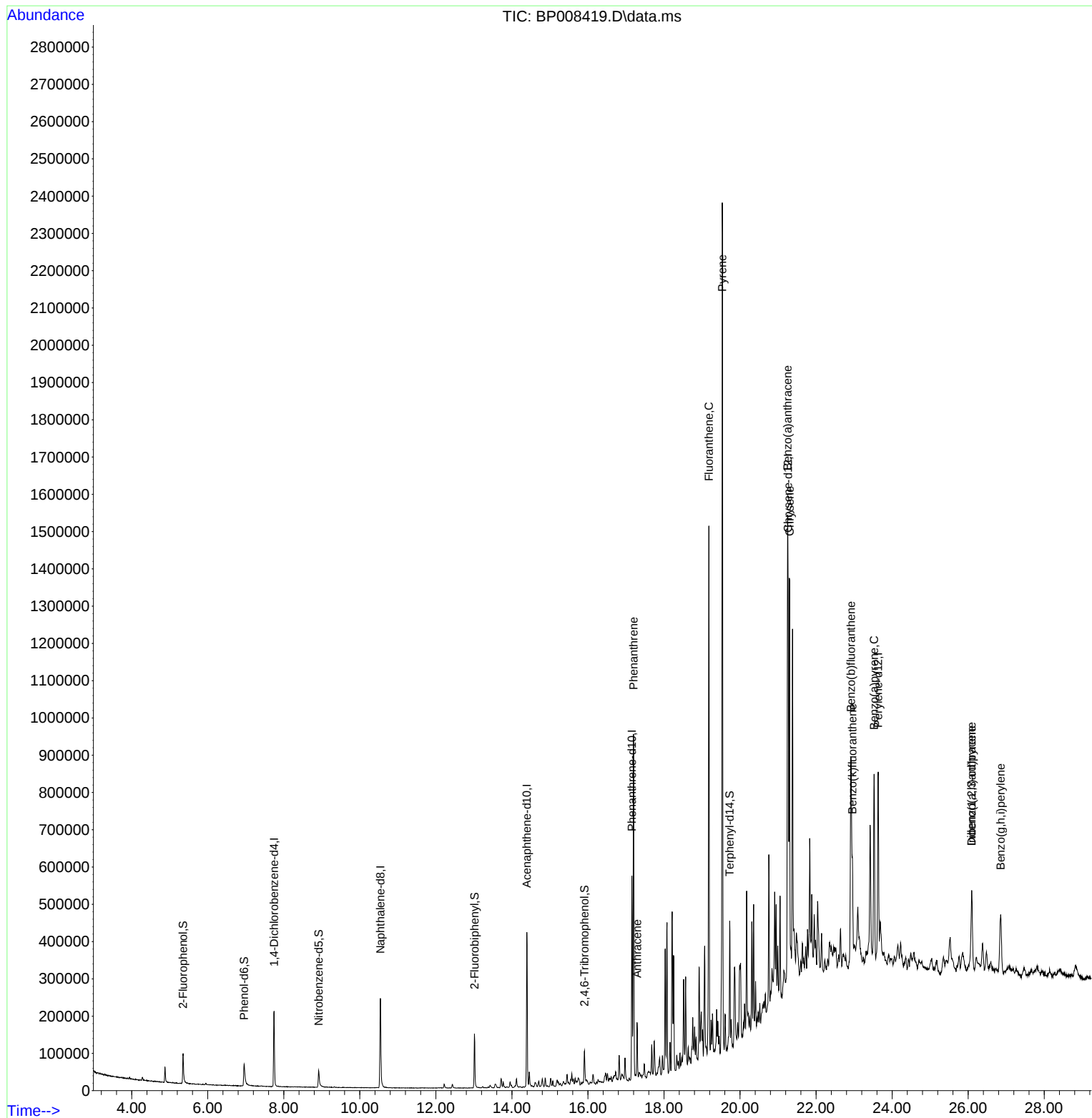
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Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

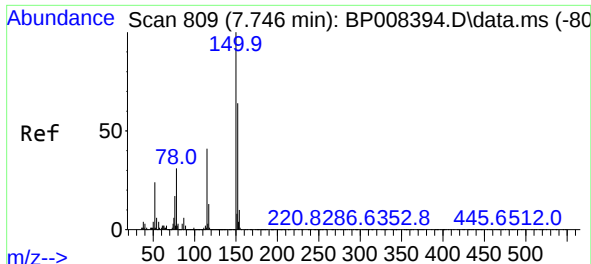
Instrument :
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Quant Time: Dec 15 16:52:42 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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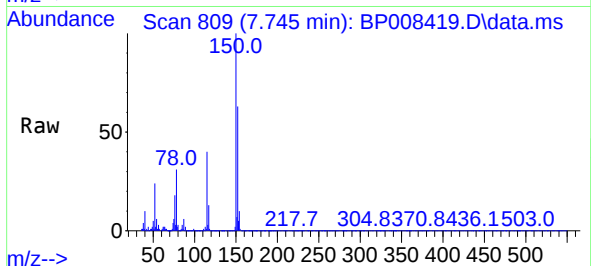
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.001 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

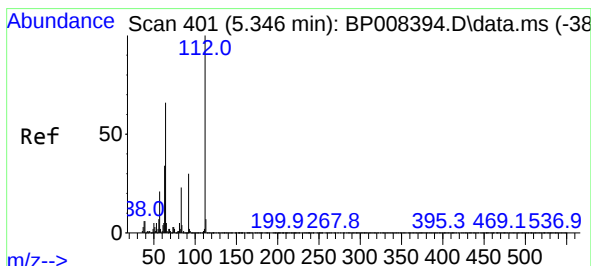
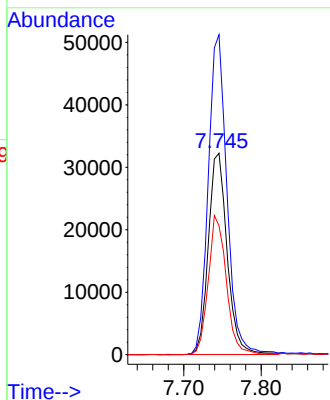
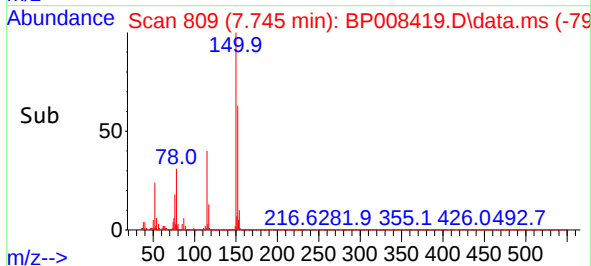
Instrument :
BNA_P
ClientSampleId :
SB-20-C



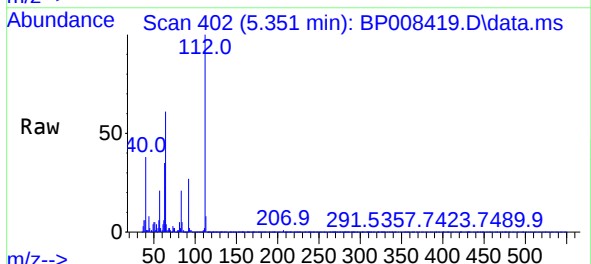
Tgt Ion:152 Resp: 54398
Ion Ratio Lower Upper
152 100
150 158.9 125.7 188.5
115 64.0 50.7 76.1

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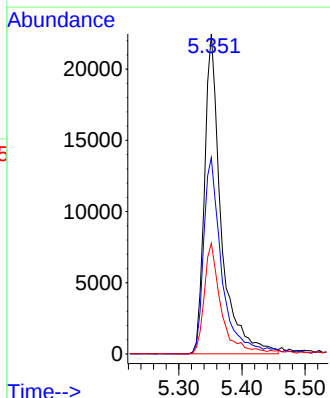
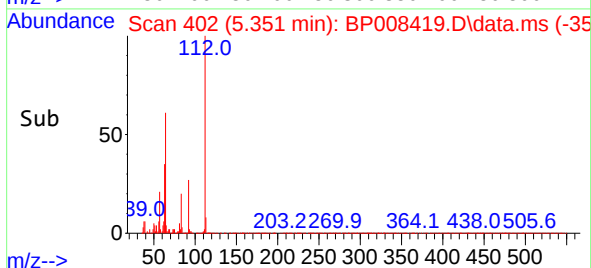
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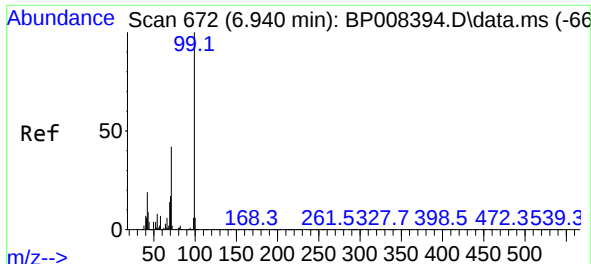


#5
2-Fluorophenol
Concen: 11.929 ng
RT: 5.351 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22



Tgt Ion:112 Resp: 41090
Ion Ratio Lower Upper
112 100
64 61.4 53.4 80.2
63 34.6 27.8 41.8





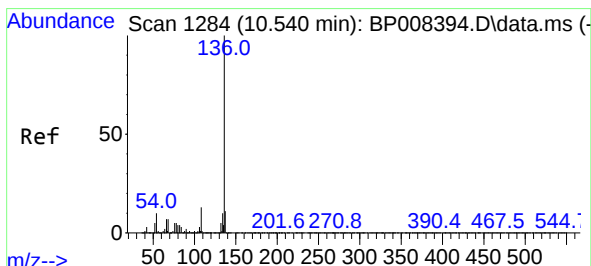
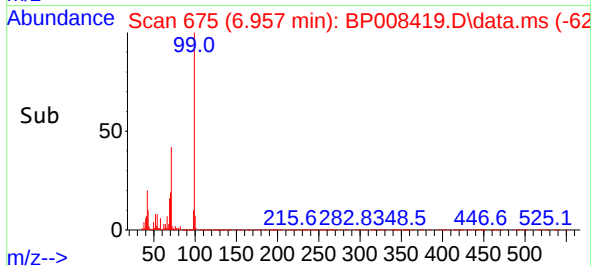
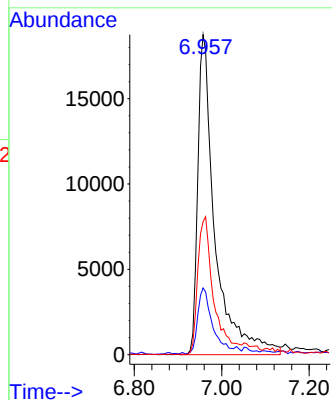
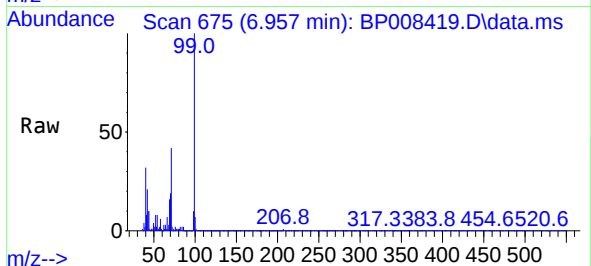
#7
Phenol-d6
Concen: 11.124 ng
RT: 6.957 min Scan# 61
Delta R.T. 0.017 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Instrument :
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ClientSampleId :
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Tgt Ion: 99	Resp: 5146
Ion Ratio	Lower Upper
99 100	
42 20.8	14.6 22.0
71 41.6	31.1 46.7

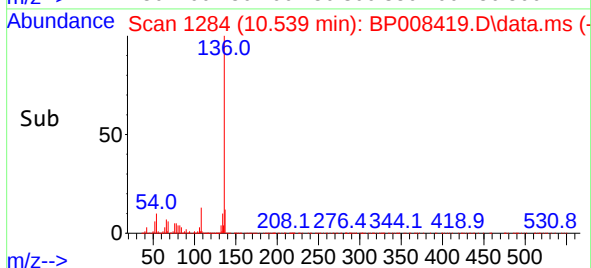
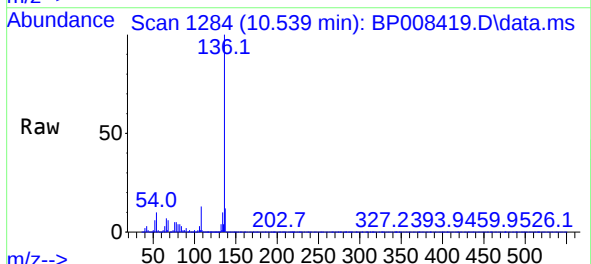
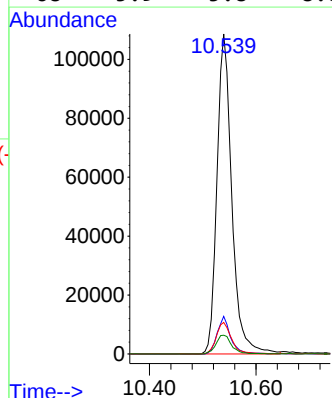
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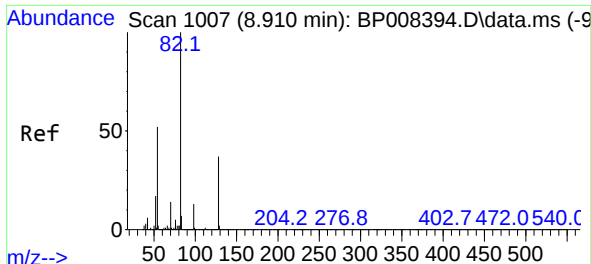
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.001 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Tgt	Ion:136	Resp:	209923
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.6
54	9.9	8.2	12.4
68	5.9	5.8	8.8





#23

Nitrobenzene-d5

Concen: 7.738 ng

RT: 8.916 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BP008419.D

Acq: 15 Dec 2021 16:22

Instrument :

BNA_P

ClientSampleId :

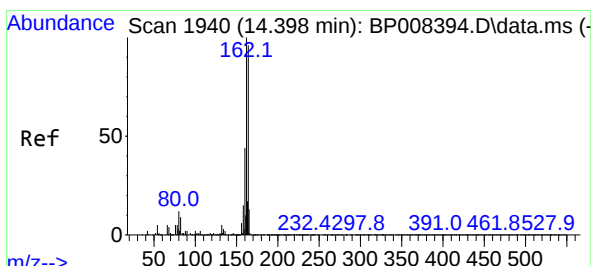
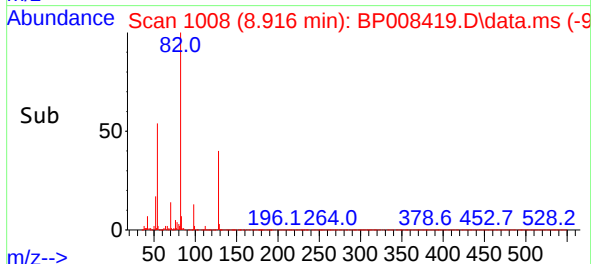
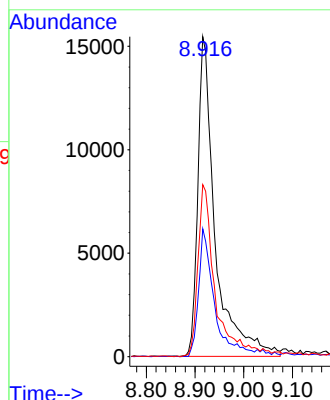
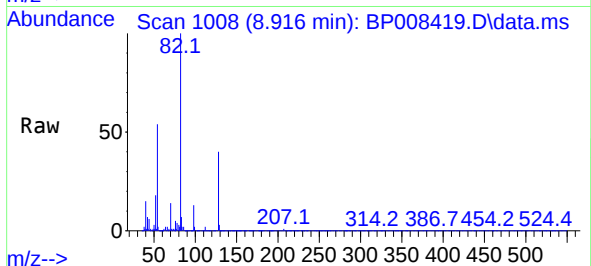
SB-20-C

Tgt Ion: 82	Resp: 3834
Ion Ratio	Lower Upper
82 100	
128 39.9	29.6 44.4
54 53.8	42.7 64.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

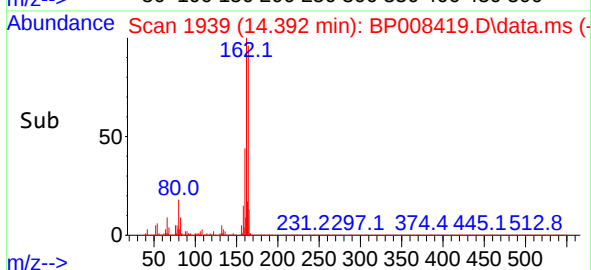
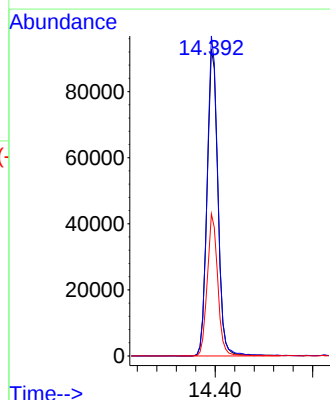
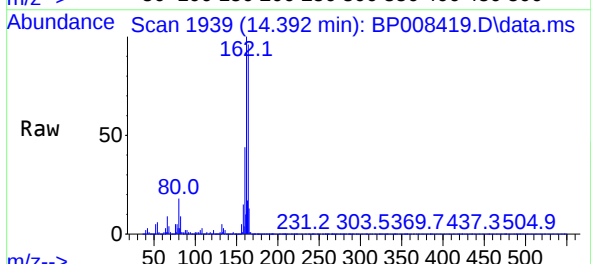
RT: 14.392 min Scan# 1939

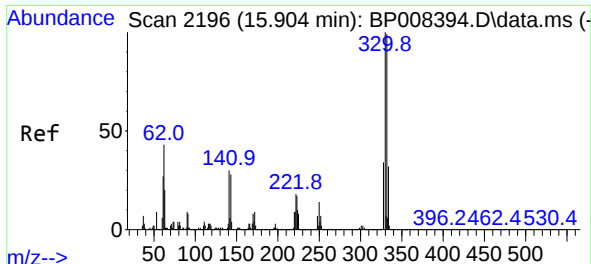
Delta R.T. -0.006 min

Lab File: BP008419.D

Acq: 15 Dec 2021 16:22

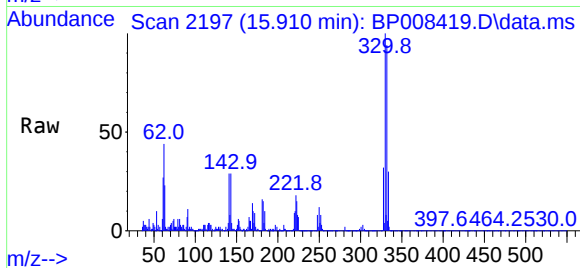
Tgt Ion: 164	Resp: 142311
Ion Ratio	Lower Upper
164 100	
162 104.2	81.9 122.9
160 46.3	35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 9.659 ng
RT: 15.910 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

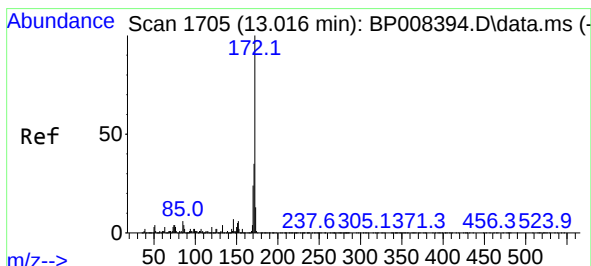
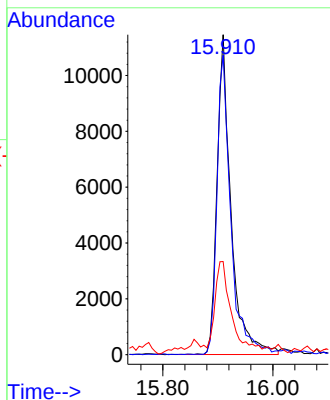
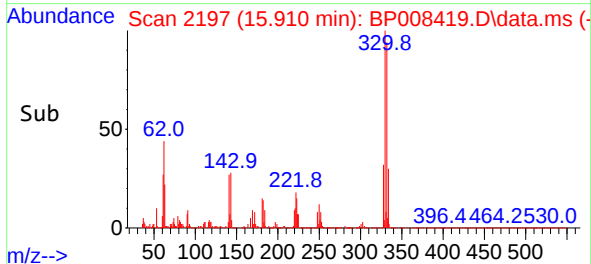
Instrument :
BNA_P
ClientSampleId :
SB-20-C



Tgt Ion:330 Resp: 20200
Ion Ratio Lower Upper
330 100
332 93.7 77.0 115.4
141 32.7 28.4 42.6

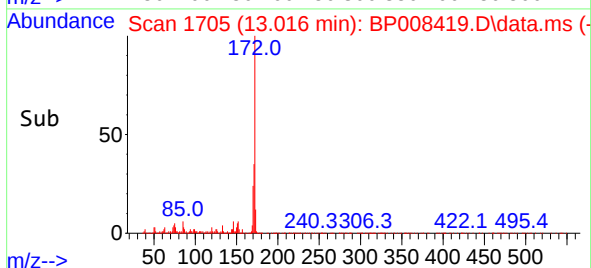
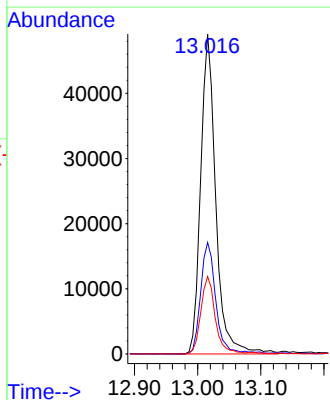
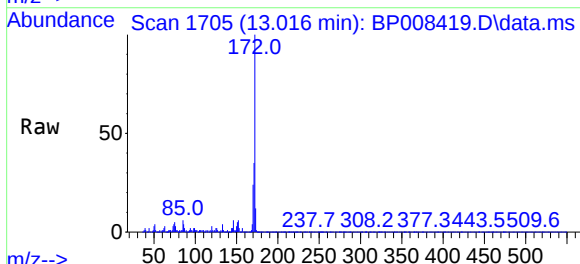
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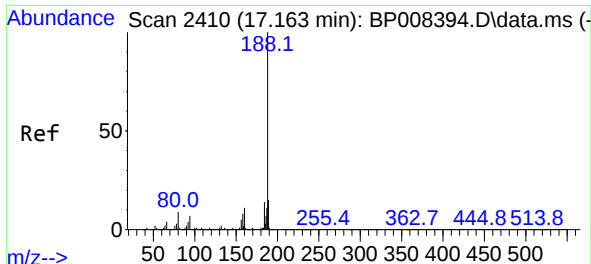
Reviewed By :Christian Giraldo 12/16/2021
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#45
2-Fluorobiphenyl
Concen: 7.275 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.000 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Tgt Ion:172 Resp: 81439
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 24.2 18.9 28.3





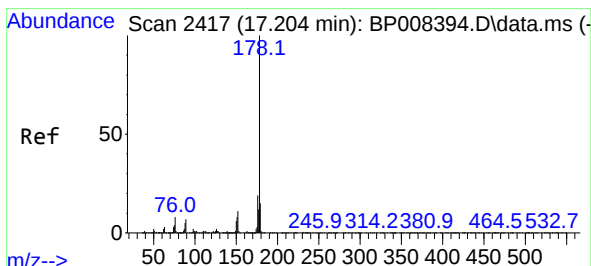
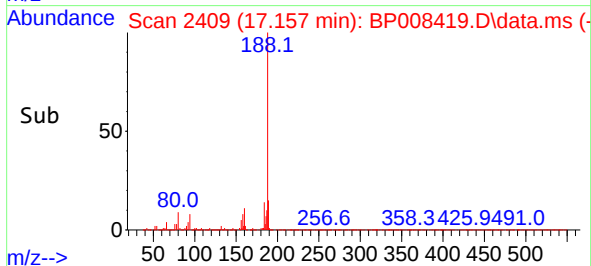
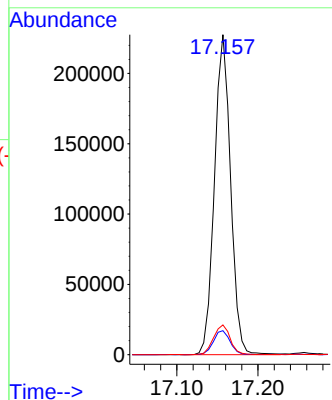
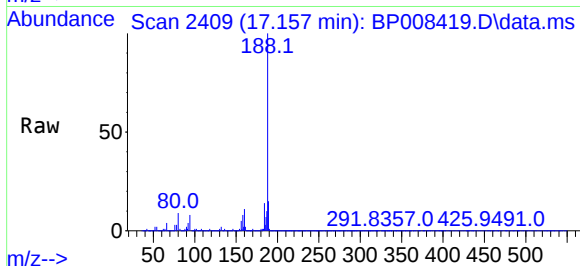
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Instrument :
BNA_P
ClientSampleId :
SB-20-C

Tgt Ion:188 Resp: 314150
Ion Ratio Lower Upper
188 100
94 7.5 7.2 10.8
80 9.3 8.2 12.4

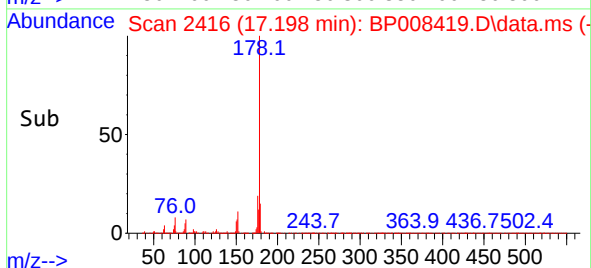
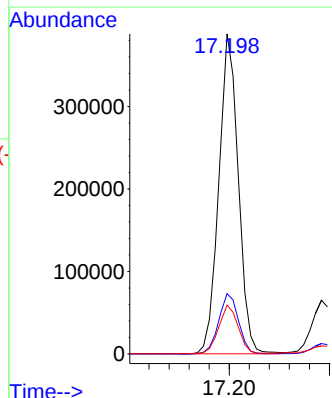
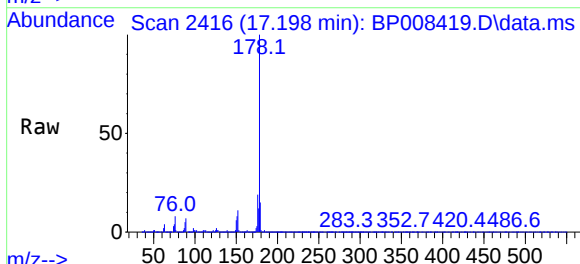
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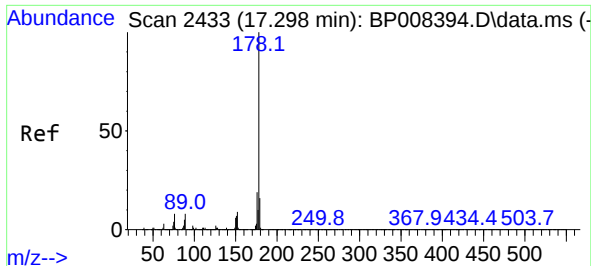
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#71
Phenanthrene
Concen: 30.692 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Tgt Ion:178 Resp: 522300
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.3 12.5 18.7





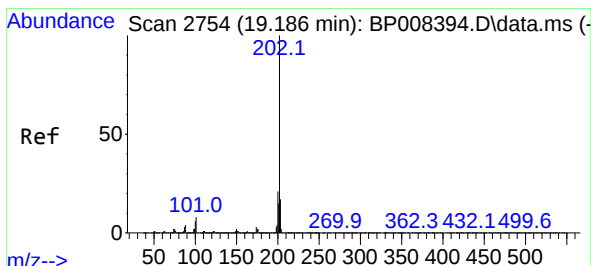
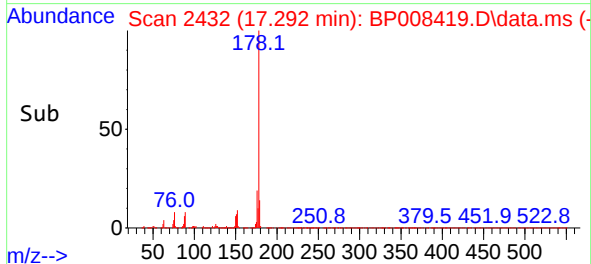
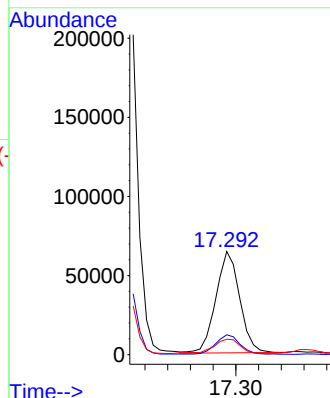
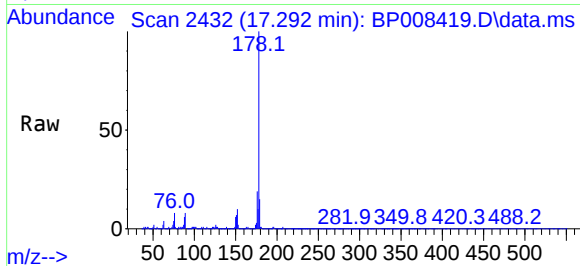
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 Anthracene
 Concen: 5.568 ng
 RT: 17.292 min Scan# 2433
 Delta R.T. -0.006 min
 Lab File: BP008419.D
 Acq: 15 Dec 2021 16:22

Instrument :
 BNA_P
 ClientSampleId :
 SB-20-C

Tgt Ion:178 Resp: 9348
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.1 22.7
 179 15.0 12.3 18.5

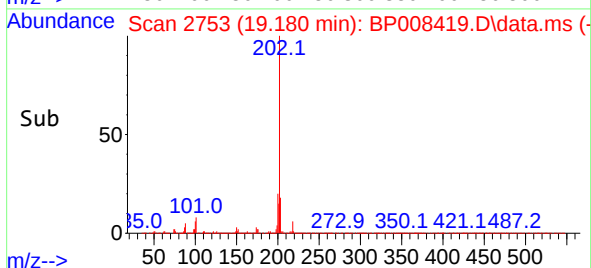
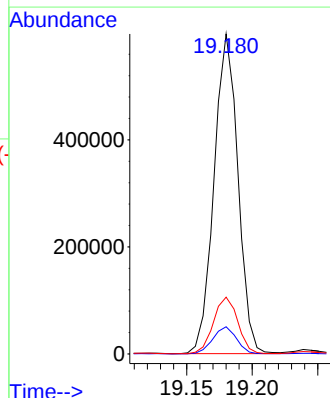
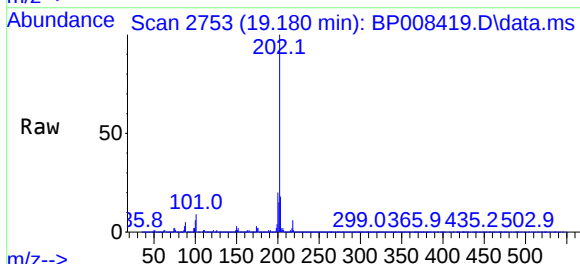
Manual Integrations
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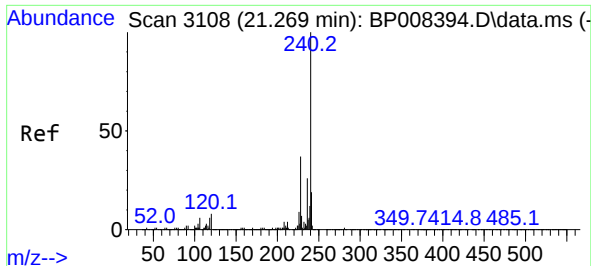
Reviewed By :Christian Giraldo 12/16/2021
 Supervised By :Jagrut Upadhyay 12/16/2021



#75
 Fluoranthene
 Concen: 39.417 ng
 RT: 19.180 min Scan# 2753
 Delta R.T. -0.006 min
 Lab File: BP008419.D
 Acq: 15 Dec 2021 16:22

Tgt Ion:202 Resp: 757302
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 29.8
 203 17.8 0.0 37.7





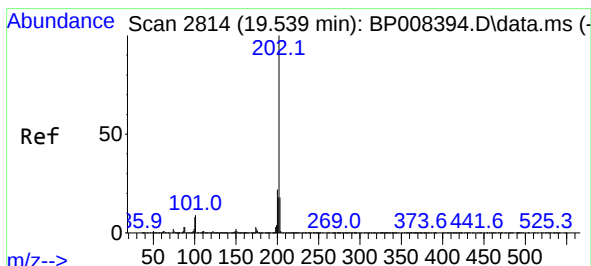
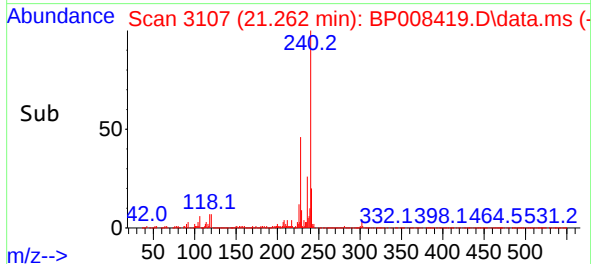
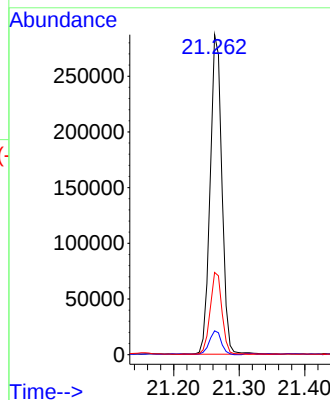
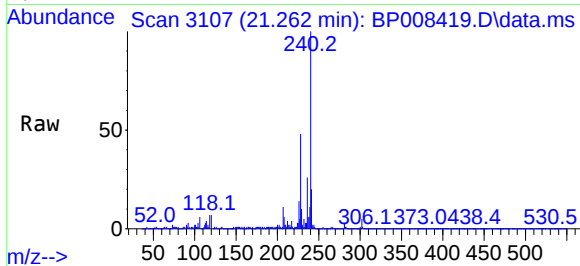
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.262 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Instrument :
BNA_P
ClientSampleId :
SB-20-C

Tgt Ion:240 Resp: 358408
Ion Ratio Lower Upper
240 100
120 7.4 7.3 10.9
236 25.7 21.4 32.2

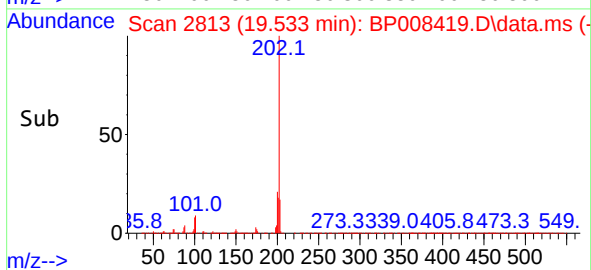
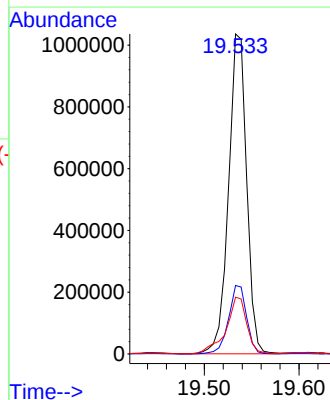
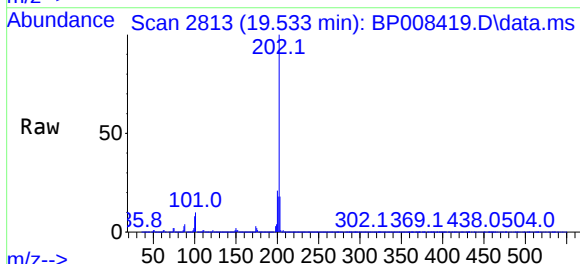
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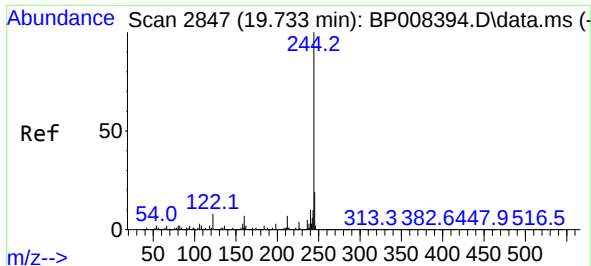
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#78
Pyrene
Concen: 53.571 ng
RT: 19.533 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Tgt Ion:202 Resp: 1373711
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.8 14.2 21.2





#79
 Terphenyl-d14
 Concen: 7.132 ng
 RT: 19.727 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP008419.D
 Acq: 15 Dec 2021 16:22

Instrument :

BNA_P

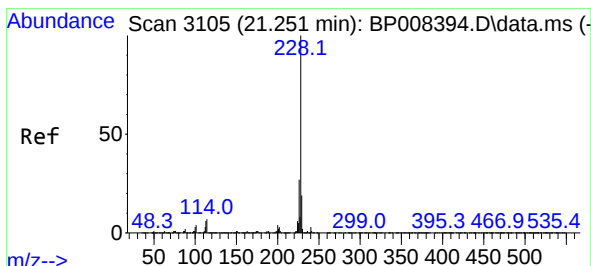
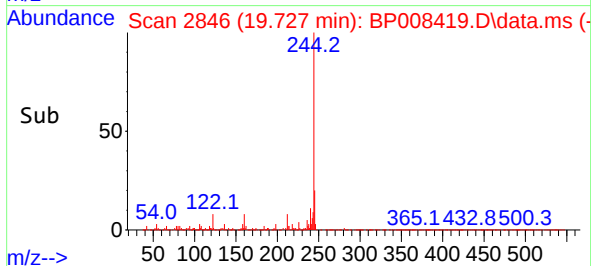
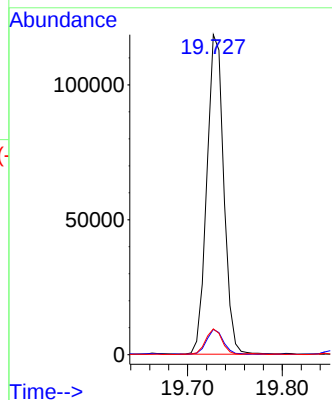
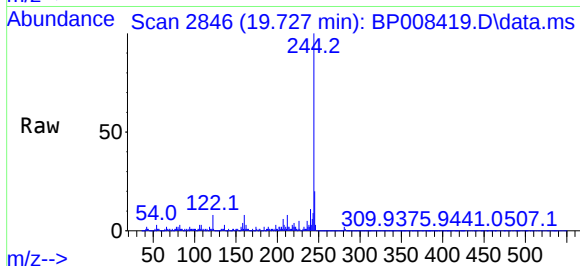
ClientSampleId :

SB-20-C

Tgt Ion:244 Resp: 14686
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 8.0 6.6 9.8

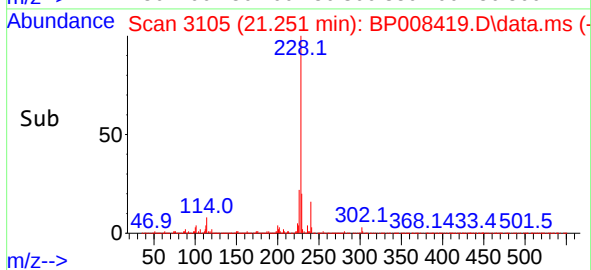
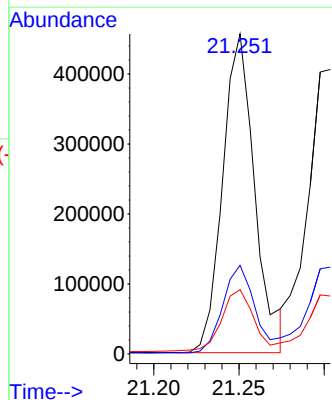
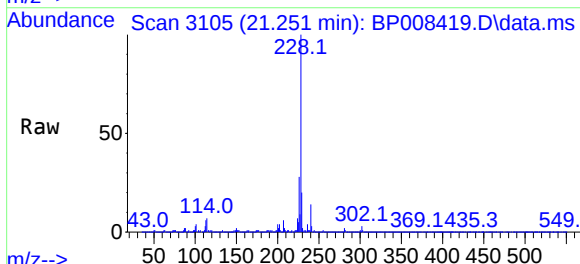
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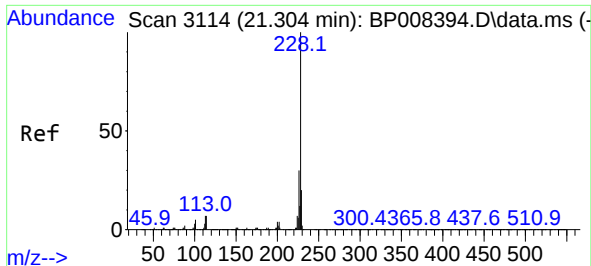
Reviewed By :Christian Giraldo 12/16/2021
 Supervised By :Jagrut Upadhyay 12/16/2021



#81
 Benzo(a)anthracene
 Concen: 24.868 ng
 RT: 21.251 min Scan# 3105
 Delta R.T. -0.000 min
 Lab File: BP008419.D
 Acq: 15 Dec 2021 16:22

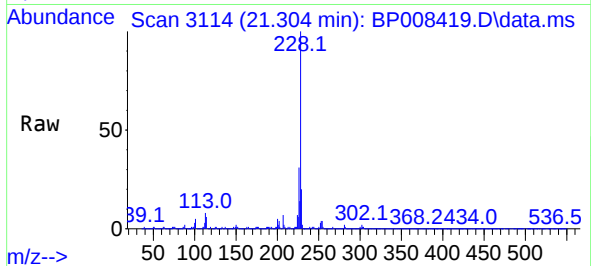
Tgt Ion:228 Resp: 597323
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.9 32.9
 229 20.1 15.9 23.9





#83
Chrysene
Concen: 24.057 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

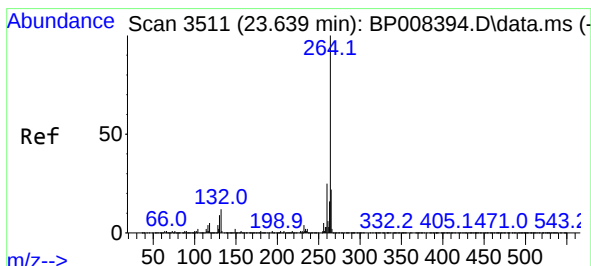
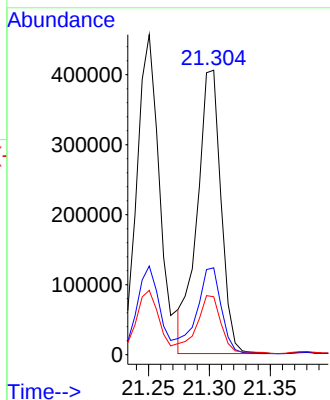
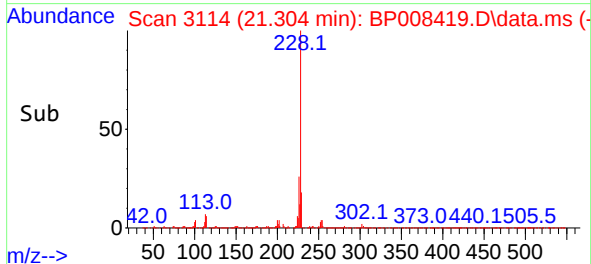
Instrument :
BNA_P
ClientSampleId :
SB-20-C



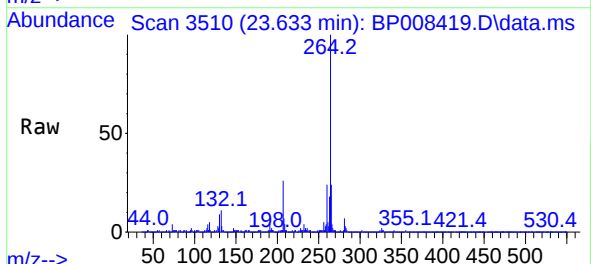
Tgt Ion:228 Resp: 55194
Ion Ratio Lower Upper
228 100
226 30.5 24.0 36.0
229 20.4 15.8 23.8

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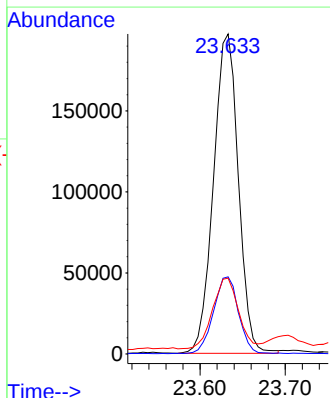
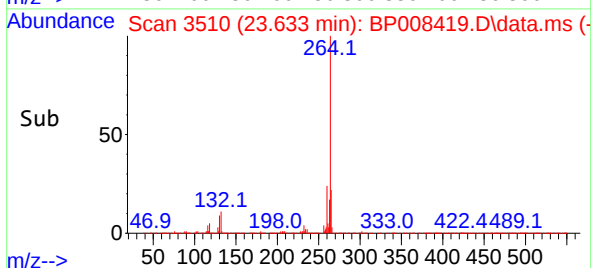
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021

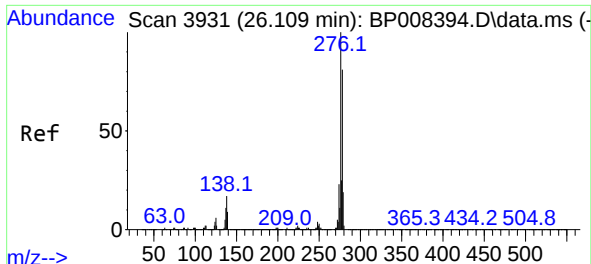


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.633 min Scan# 3510
Delta R.T. -0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22



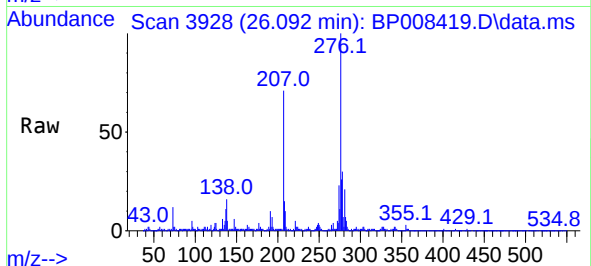
Tgt Ion:264 Resp: 399900
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 23.7 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.737 ng m
RT: 26.092 min Scan# 3931
Delta R.T. -0.018 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

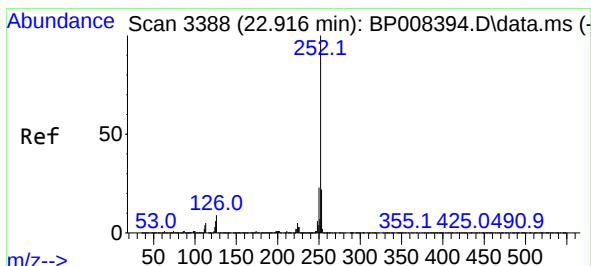
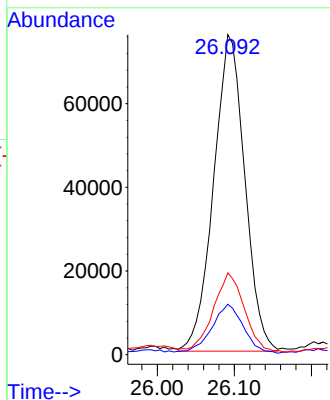
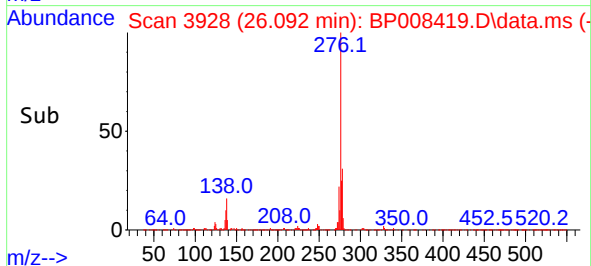
Instrument :
BNA_P
ClientSampleId :
SB-20-C



Tgt Ion:276 Resp: 21206
Ion Ratio Lower Upper
276 100
138 0.8 16.6 25.0
277 1.4 20.2 30.2

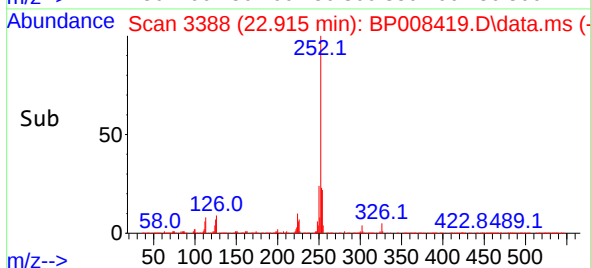
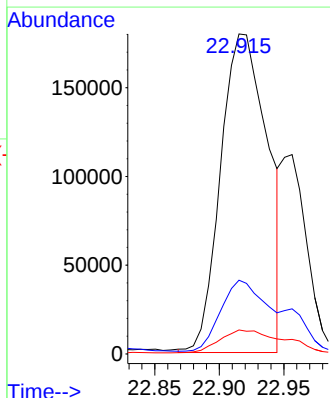
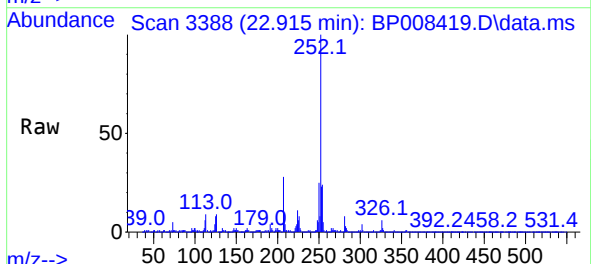
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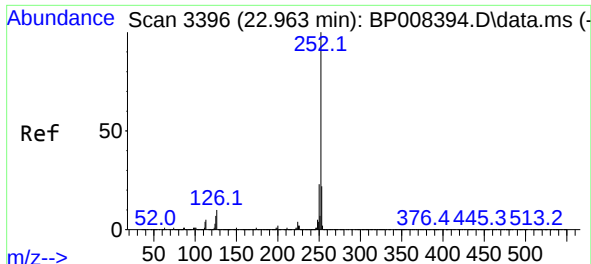
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#88
Benzo(b)fluoranthene
Concen: 18.898 ng m
RT: 22.915 min Scan# 3388
Delta R.T. -0.000 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

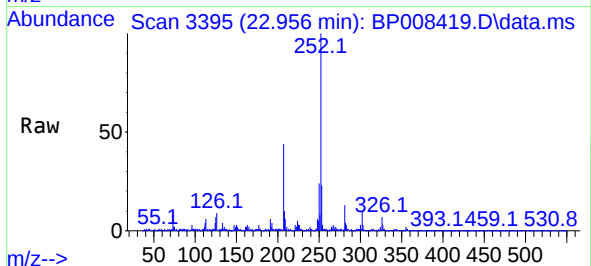
Tgt Ion:252 Resp: 454601
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 7.5 6.2 9.4





#89
Benzo(k)fluoranthene
Concen: 6.180 ng m
RT: 22.956 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

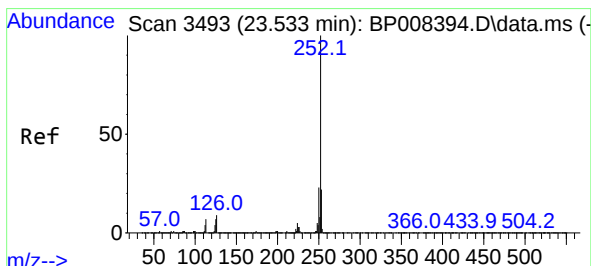
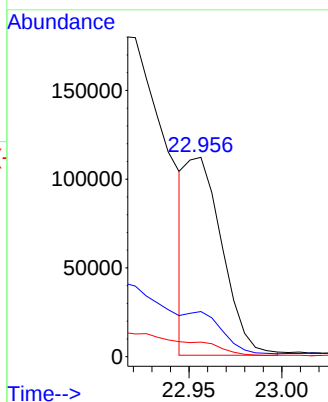
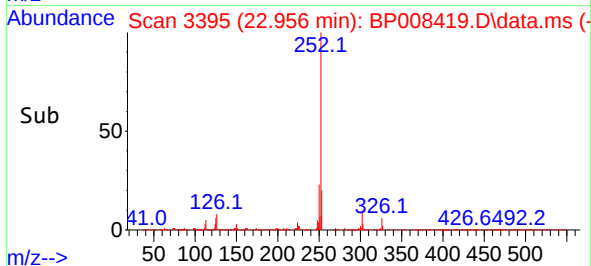
Instrument :
BNA_P
ClientSampleId :
SB-20-C



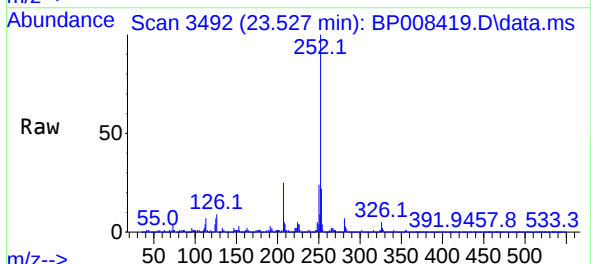
Tgt Ion:252 Resp: 149920
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 7.3 6.5 9.7

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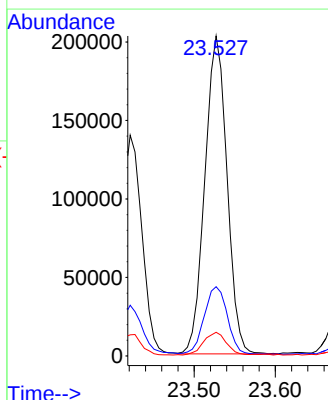
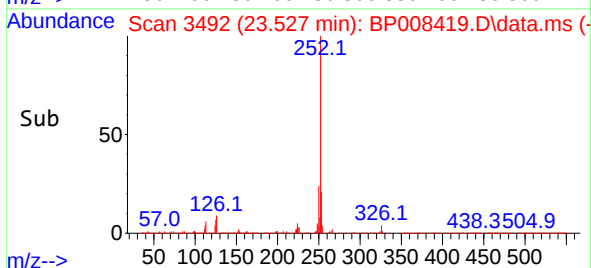
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021

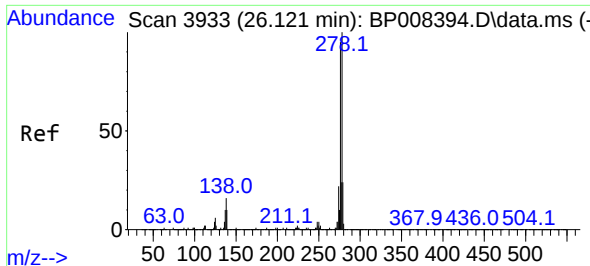


#90
Benzo(a)pyrene
Concen: 18.415 ng
RT: 23.527 min Scan# 3492
Delta R.T. -0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22



Tgt Ion:252 Resp: 384499
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 7.4 7.4 11.0





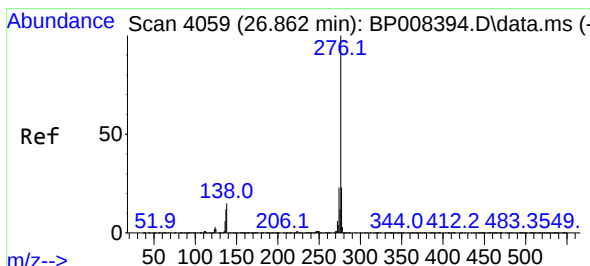
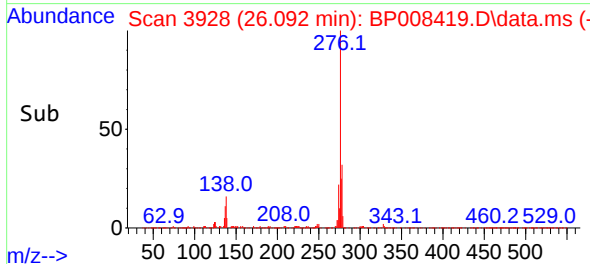
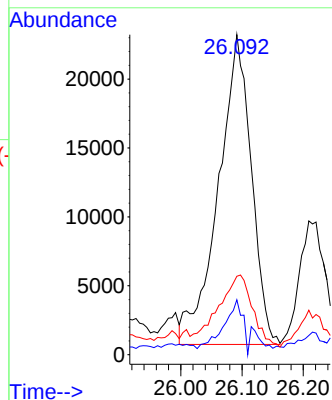
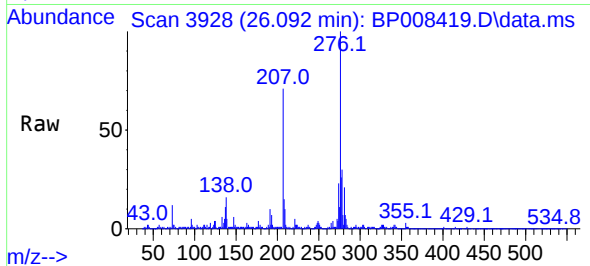
#91
Dibenzo(a,h)anthracene
Concen: 3.193 ng m
RT: 26.092 min Scan# 3933
Delta R.T. -0.030 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Instrument :
BNA_P
ClientSampleId :
SB-20-C

Tgt Ion:278 Resp: 84144
Ion Ratio Lower Upper
278 100
139 17.1 10.8 16.2
279 24.5 19.1 28.7

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



#92
Benzo(g,h,i)perylene
Concen: 8.333 ng
RT: 26.856 min Scan# 4058
Delta R.T. -0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Tgt Ion:276 Resp: 217440
Ion Ratio Lower Upper
276 100
277 25.1 20.0 30.0
138 15.0 14.1 21.1

