

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010522\
 Data File : BP008696.D
 Acq On : 05 Jan 2022 18:35
 Operator : CG/JU
 Sample : M5342-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-10-(0-2)

Quant Time: Jan 06 03:03:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 30 08:44:33 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/06/2022
 Supervised By :Jagrut Upadhyay 01/06/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.881	152	450313	20.000	ng	-0.02
21) Naphthalene-d8	10.681	136	1603192	20.000	ng	-0.02
39) Acenaphthene-d10	14.516	164	886635	20.000	ng	-0.01
64) Phenanthrene-d10	17.263	188	1876204	20.000	ng	-0.01
76) Chrysene-d12	21.351	240	2046616	20.000	ng	-0.01
86) Perylene-d12	23.774	264	2259235	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	2770906	112.314	ng	0.00
7) Phenol-d6	7.052	99	3114879	90.707	ng	0.00
23) Nitrobenzene-d5	9.040	82	2007201	74.480	ng	-0.02
42) 2,4,6-Tribromophenol	16.004	330	1316986	109.787	ng	-0.01
45) 2-Fluorobiphenyl	13.140	172	4637971	75.787	ng	-0.02
79) Terphenyl-d14	19.822	244	6534170	65.188	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.310	178	1675809	16.567	ng	98
72) Anthracene	17.398	178	474944	4.819	ng	99
75) Fluoranthene	19.275	202	3589753	30.853	ng	97
78) Pyrene	19.622	202	3151543	23.670	ng	98
81) Benzo(a)anthracene	21.333	228	2122089	15.983	ng	99
83) Chrysene	21.386	228	1798325	14.485	ng	97
87) Indeno(1,2,3-cd)pyrene	26.292	276	1275885	8.408	ng	95
88) Benzo(b)fluoranthene	23.039	252	2541373	17.492	ng	99
89) Benzo(k)fluoranthene	23.080	252	809652m	5.606	ng	
90) Benzo(a)pyrene	23.663	252	1828228	15.609	ng	98
91) Dibenzo(a,h)anthracene	26.304	278	365726m	2.857	ng	
92) Benzo(g,h,i)perylene	27.068	276	1228340	10.261	ng	97

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

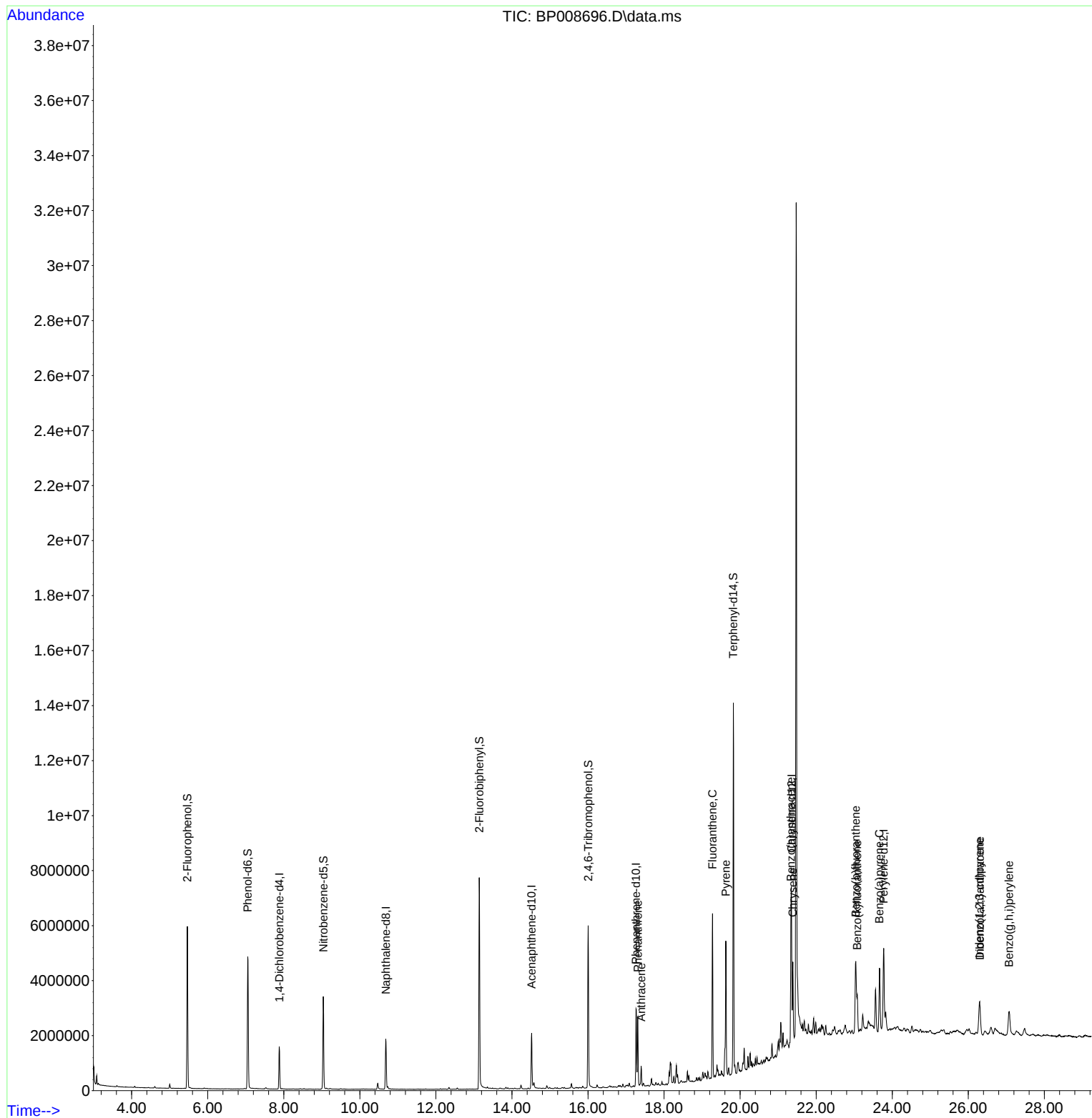
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Data File : BP008696.D
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ALS Vial : 14 Sample Multiplier: 1

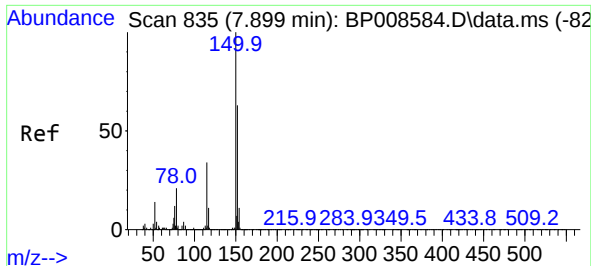
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BNA_P
ClientSampleId :
SB-10-(0-2)

Quant Time: Jan 06 03:03:41 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP122821.M
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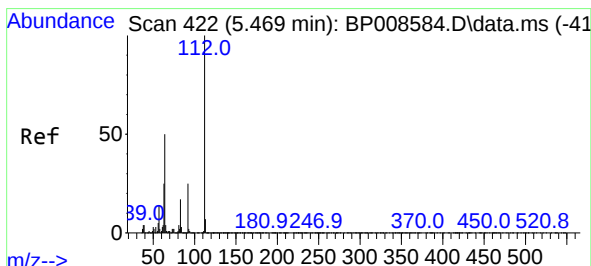
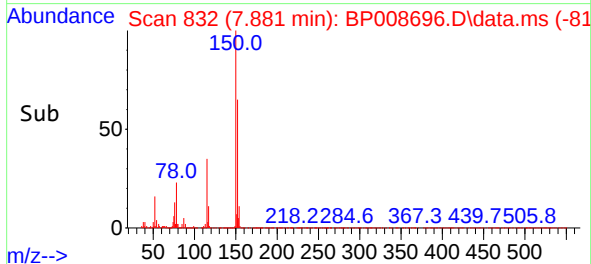
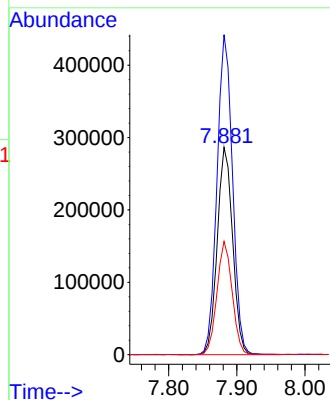
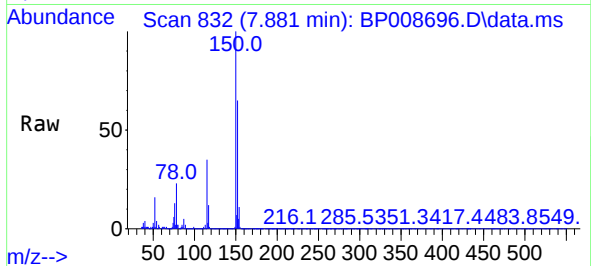
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.881 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

Instrument :
BNA_P
ClientSampleId :
SB-10-(0-2)

Tgt Ion:152 Resp: 45031
Ion Ratio Lower Upper
152 100
150 154.4 127.0 190.6
115 54.6 43.7 65.5

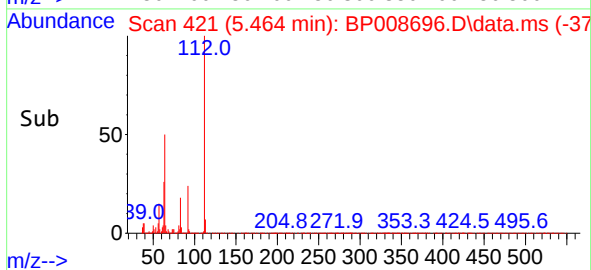
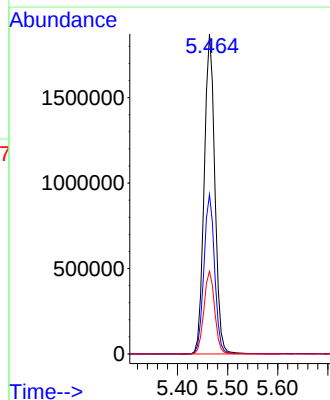
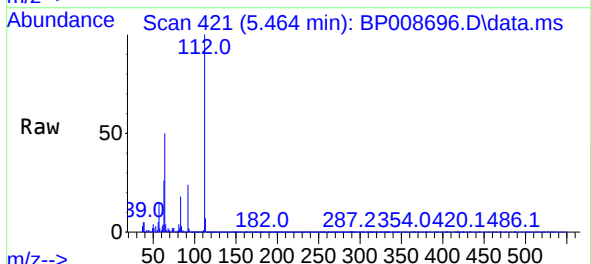
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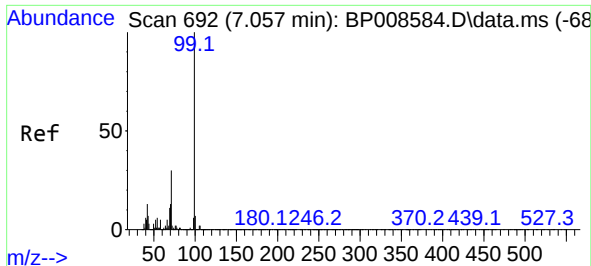
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022



#5
2-Fluorophenol
Concen: 112.314 ng
RT: 5.464 min Scan# 421
Delta R.T. -0.006 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

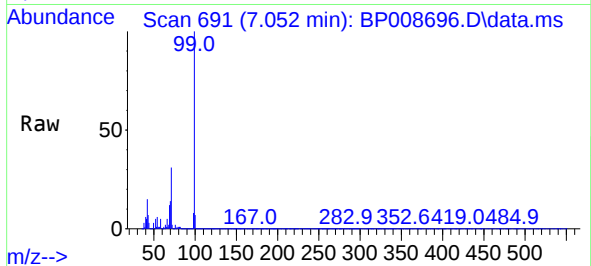
Tgt Ion:112 Resp: 2770906
Ion Ratio Lower Upper
112 100
64 49.8 39.7 59.5
63 25.9 20.0 30.0





#7
Phenol-d6
Concen: 90.707 ng
RT: 7.052 min Scan# 692
Delta R.T. -0.006 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

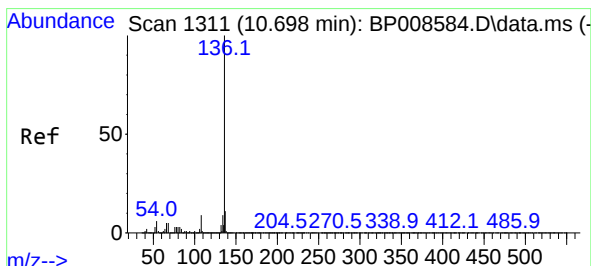
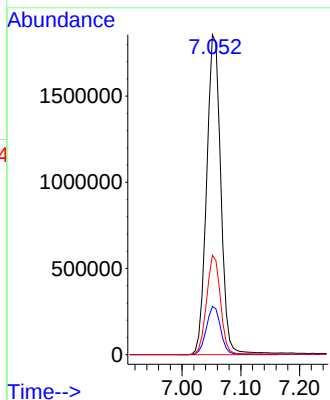
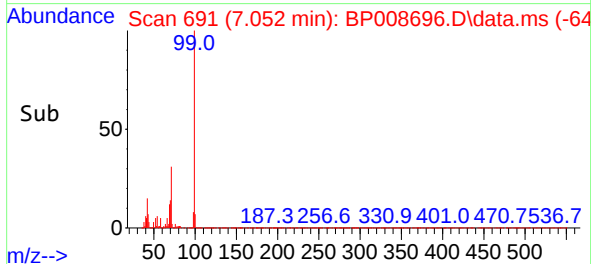
Instrument :
BNA_P
ClientSampleId :
SB-10-(0-2)



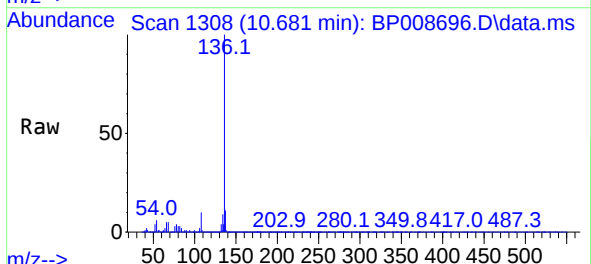
Tgt Ion: 99 Resp: 3114879
Ion Ratio Lower Upper
99 100
42 15.1 10.8 16.2
71 31.1 23.8 35.6

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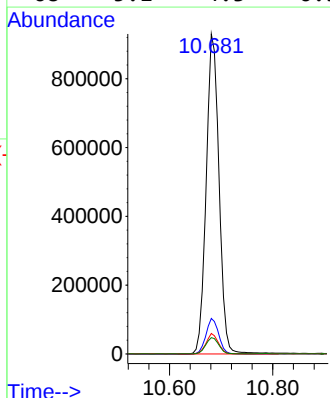
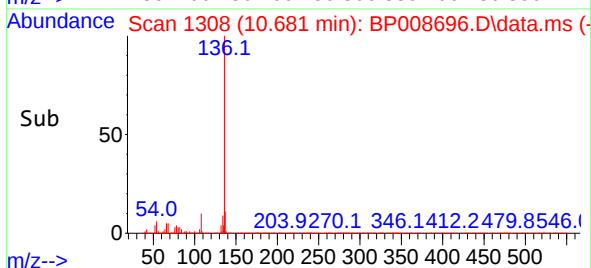
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022

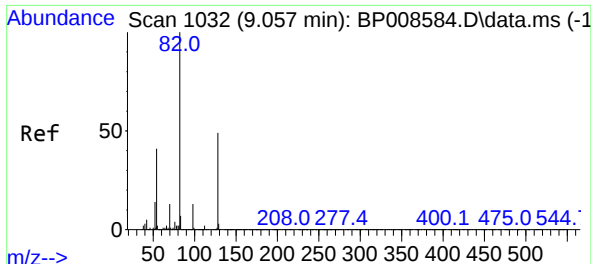


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.681 min Scan# 1308
Delta R.T. -0.018 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35



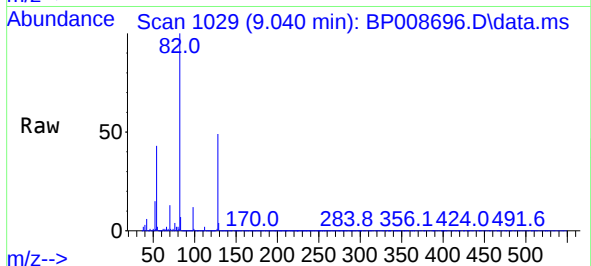
Tgt Ion:136 Resp: 1603192
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 6.4 4.9 7.3
68 5.1 4.3 6.5





#23
Nitrobenzene-d5
Concen: 74.480 ng
RT: 9.040 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

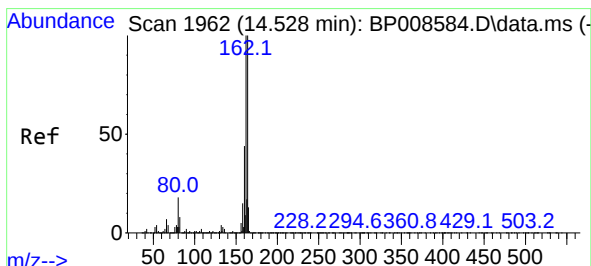
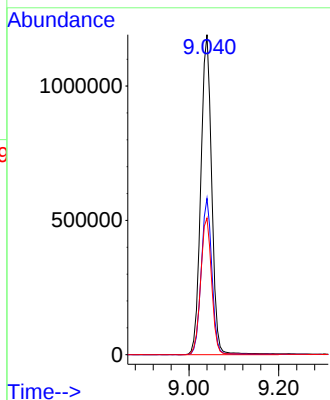
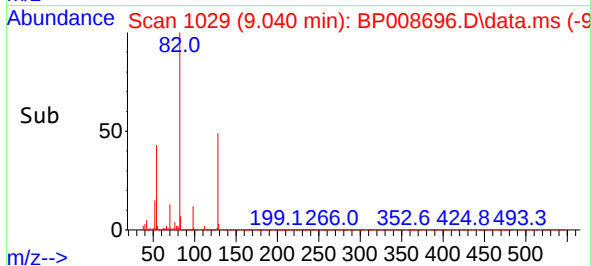
Instrument :
BNA_P
ClientSampleId :
SB-10-(0-2)



Tgt Ion: 82 Resp: 200720
Ion Ratio Lower Upper
82 100
128 48.9 39.4 59.2
54 42.7 32.6 48.8

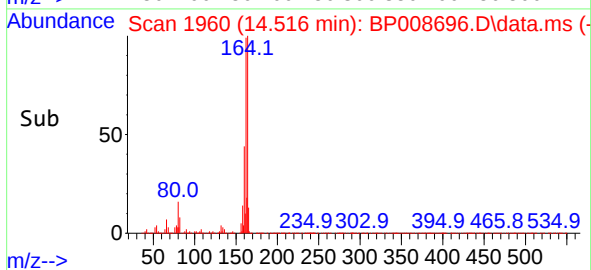
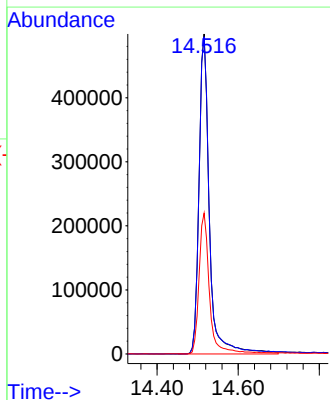
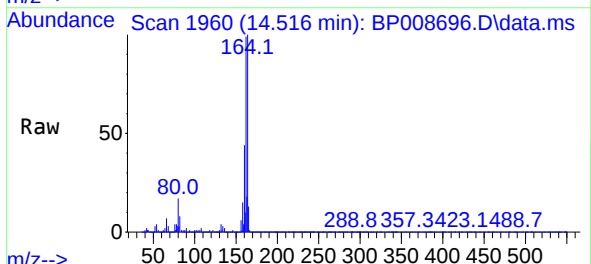
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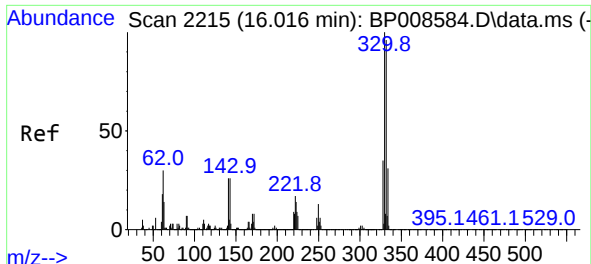
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.012 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

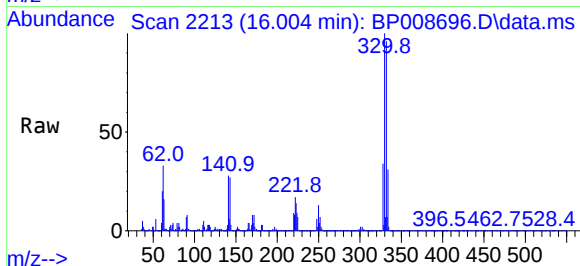
Tgt Ion:164 Resp: 886635
Ion Ratio Lower Upper
164 100
162 99.2 79.9 119.9
160 44.0 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 109.787 ng
RT: 16.004 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

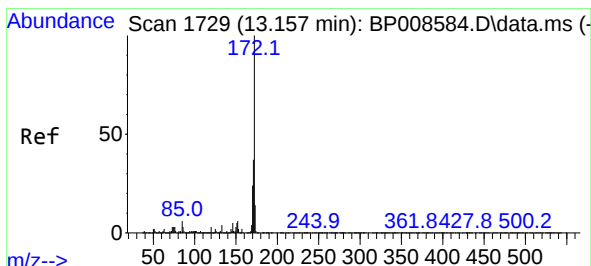
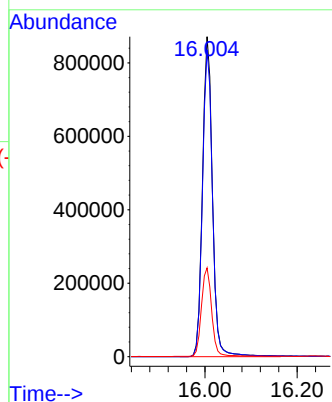
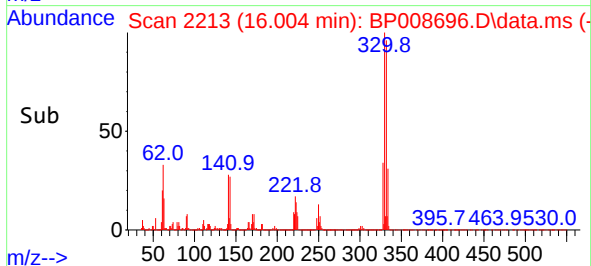
Instrument :
BNA_P
ClientSampleId :
SB-10-(0-2)



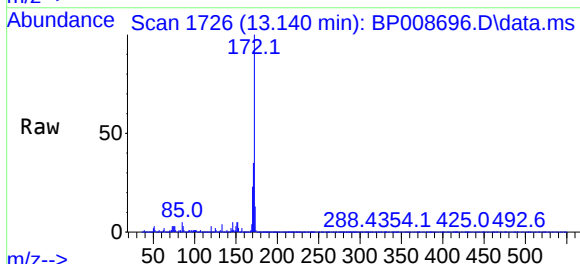
Tgt Ion:330 Resp: 1316980
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.4
141 28.3 21.3 31.9

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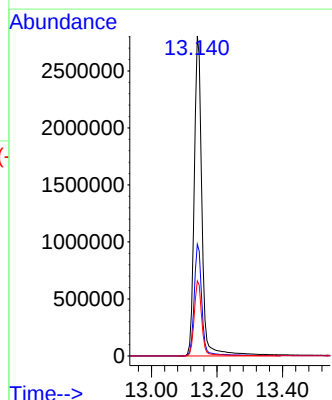
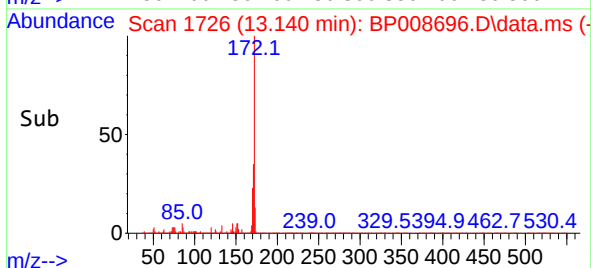
Reviewed By :Christian Giraldo 01/06/2022
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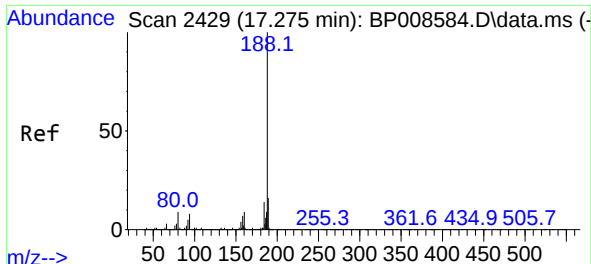


#45
2-Fluorobiphenyl
Concen: 75.787 ng
RT: 13.140 min Scan# 1726
Delta R.T. -0.017 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35



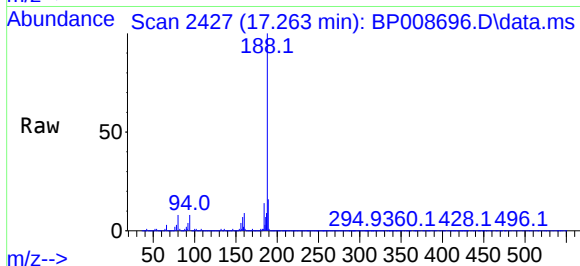
Tgt Ion:172 Resp: 4637971
Ion Ratio Lower Upper
172 100
171 34.9 29.3 43.9
170 23.5 19.5 29.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

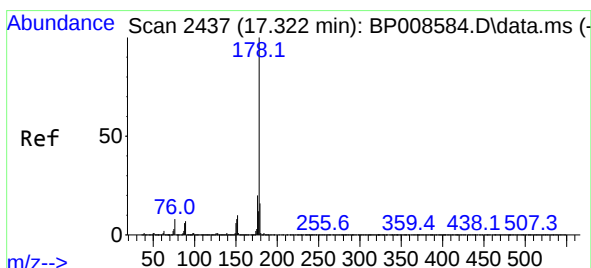
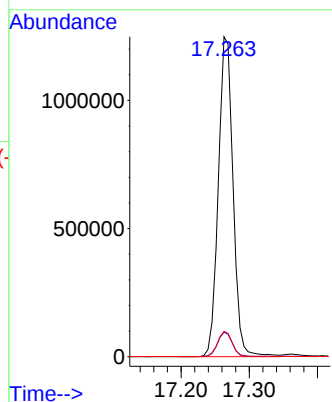
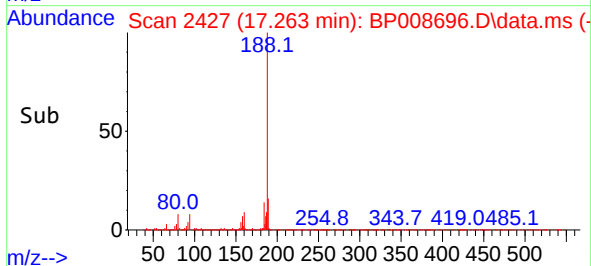
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BNA_P
ClientSampleId :
SB-10-(0-2)



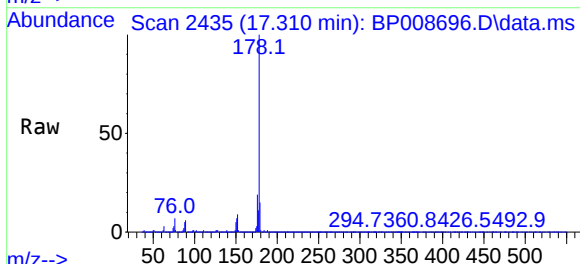
Tgt Ion:188 Resp: 1876204
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 7.9 7.2 10.8

Manual Integrations
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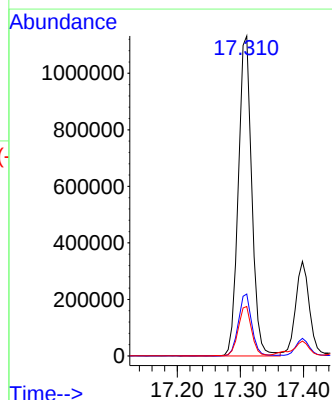
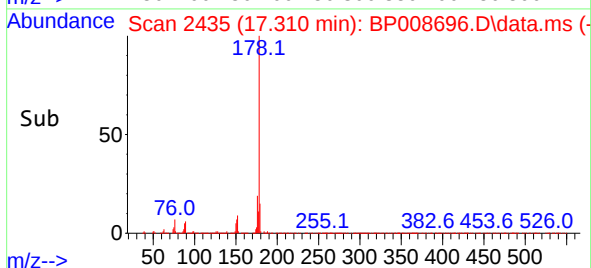
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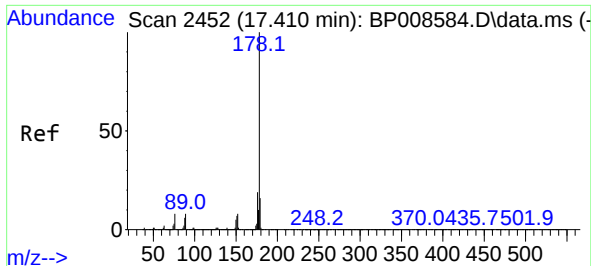


#71
Phenanthrene
Concen: 16.567 ng
RT: 17.310 min Scan# 2435
Delta R.T. -0.012 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35



Tgt Ion:178 Resp: 1675809
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.4 13.0 19.4





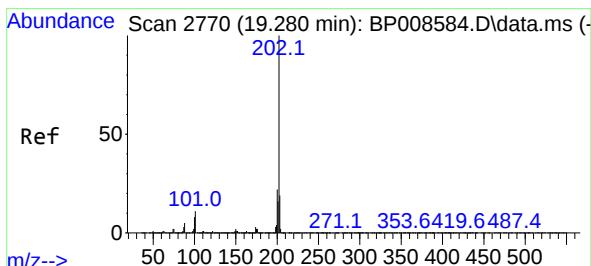
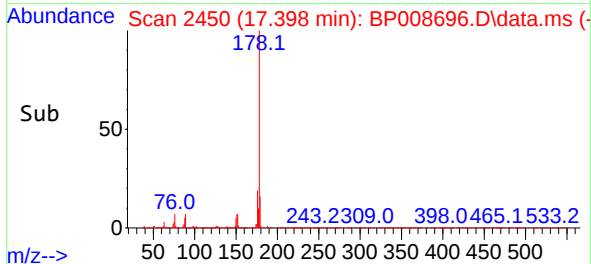
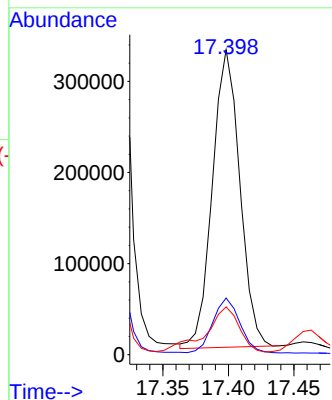
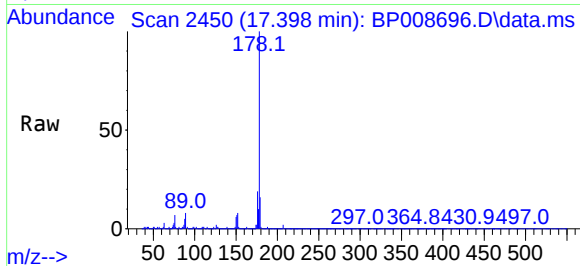
#72
 Anthracene
 Concen: 4.819 ng
 RT: 17.398 min Scan# 2452
 Delta R.T. -0.012 min
 Lab File: BP008696.D
 Acq: 05 Jan 2022 18:35

Instrument :
 BNA_P
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 SB-10-(0-2)

Tgt Ion:178 Resp: 474944
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.1 22.7
 179 15.7 12.8 19.2

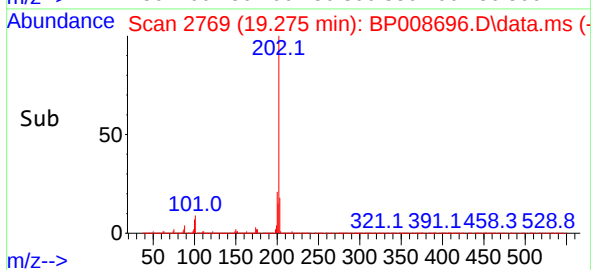
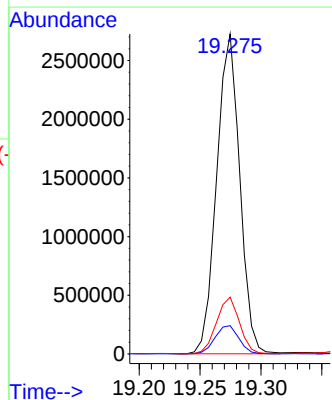
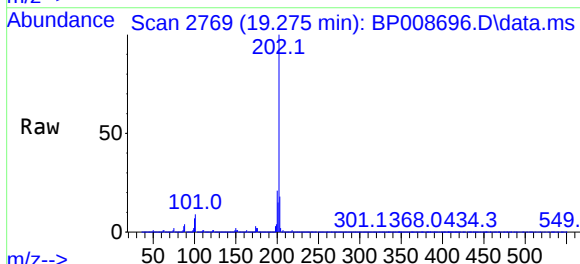
Manual Integrations
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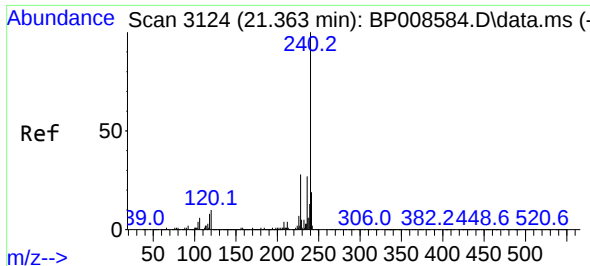
Reviewed By :Christian Giraldo 01/06/2022
 Supervised By :Jagrut Upadhyay 01/06/2022



#75
 Fluoranthene
 Concen: 30.853 ng
 RT: 19.275 min Scan# 2769
 Delta R.T. -0.005 min
 Lab File: BP008696.D
 Acq: 05 Jan 2022 18:35

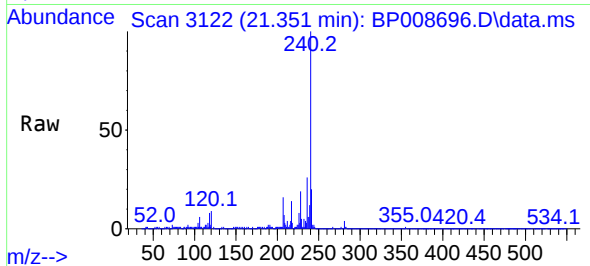
Tgt Ion:202 Resp: 3589753
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 30.7
 203 17.7 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.351 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

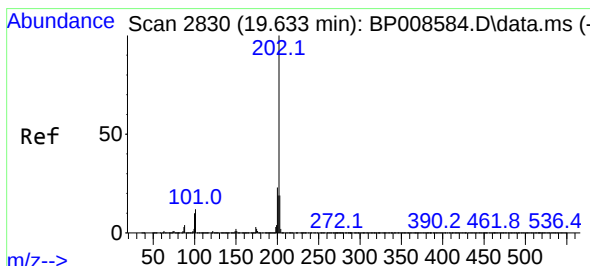
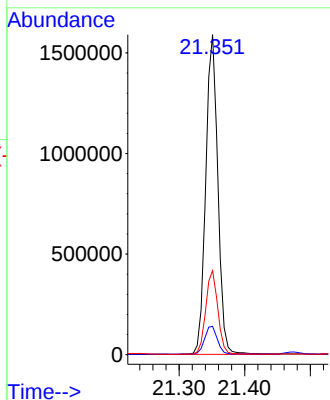
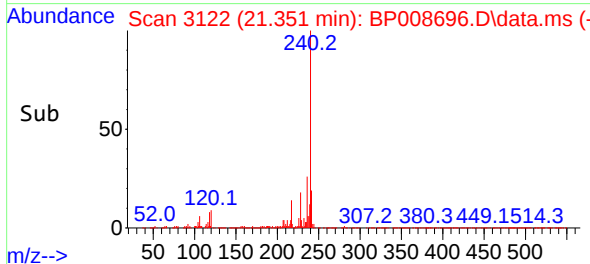
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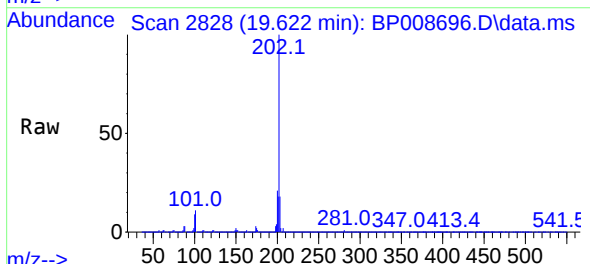
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Ion Ratio Lower Upper
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120 8.9 7.7 11.5
236 26.3 21.2 31.8

Manual Integrations
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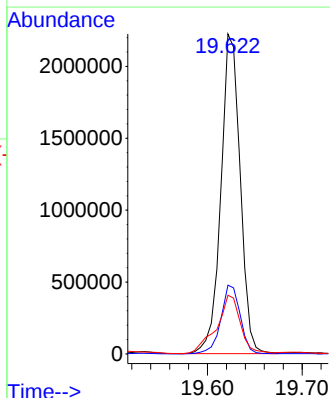
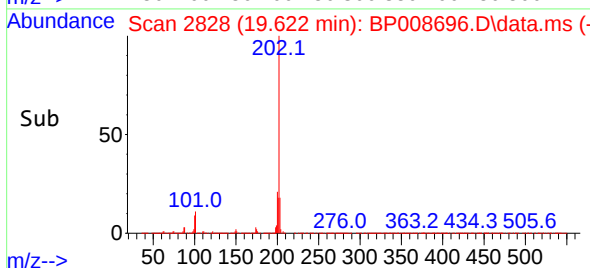
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022

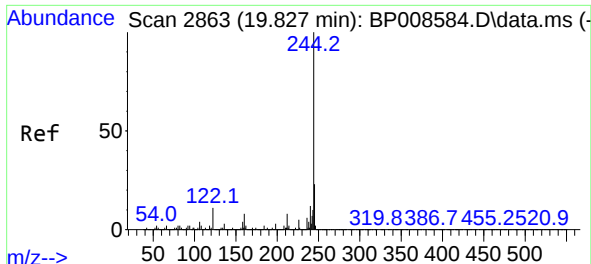


#78
Pyrene
Concen: 23.670 ng
RT: 19.622 min Scan# 2828
Delta R.T. -0.012 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35



Tgt Ion:202 Resp: 3151543
Ion Ratio Lower Upper
202 100
200 21.5 18.0 27.0
203 18.3 15.0 22.6





#79
 Terphenyl-d14
 Concen: 65.188 ng
 RT: 19.822 min Scan# 2119
 Delta R.T. -0.005 min
 Lab File: BP008696.D
 Acq: 05 Jan 2022 18:35

Instrument :

BNA_P

ClientSampleId :

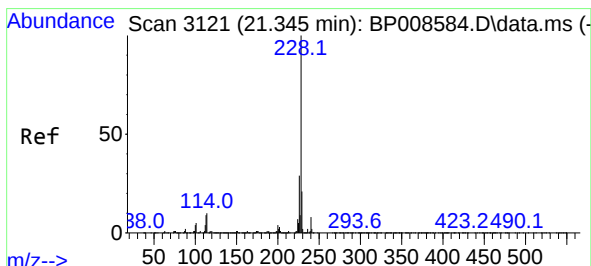
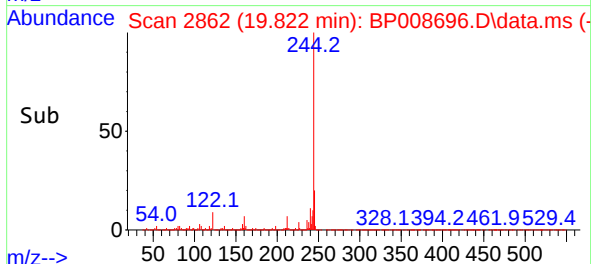
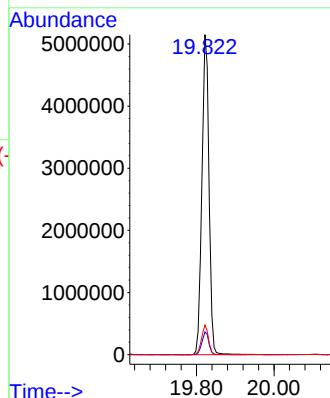
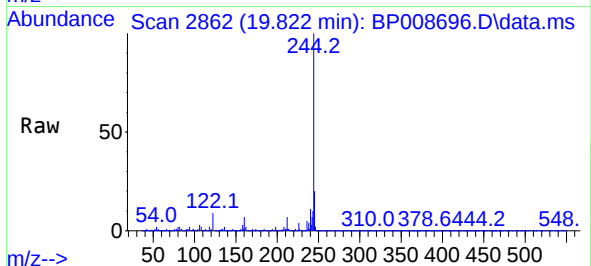
SB-10-(0-2)

Tgt Ion:244 Resp: 6534170
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 9.3 9.2 13.8

Manual Integrations

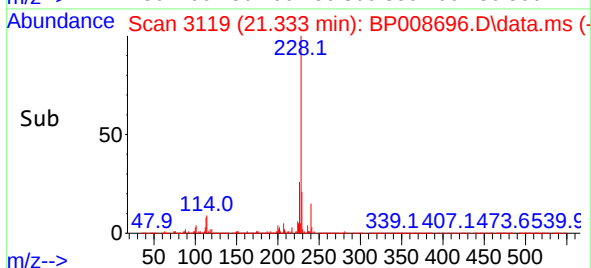
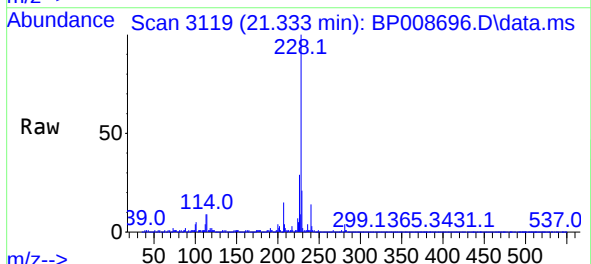
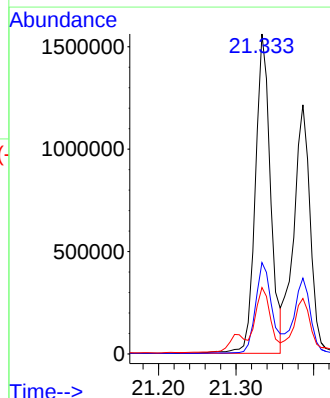
APPROVED

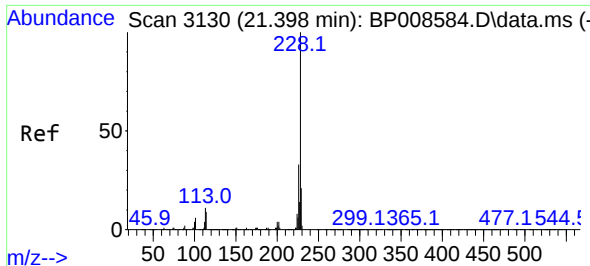
Reviewed By :Christian Giraldo 01/06/2022
 Supervised By :Jagrut Upadhyay 01/06/2022



#81
 Benzo(a)anthracene
 Concen: 15.983 ng
 RT: 21.333 min Scan# 3119
 Delta R.T. -0.012 min
 Lab File: BP008696.D
 Acq: 05 Jan 2022 18:35

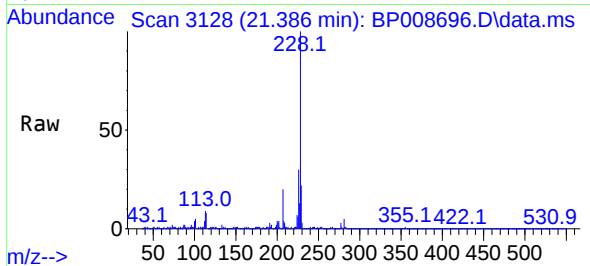
Tgt Ion:228 Resp: 2122089
 Ion Ratio Lower Upper
 228 100
 226 28.6 23.3 34.9
 229 20.8 17.0 25.6





#83
Chrysene
Concen: 14.485 ng
RT: 21.386 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

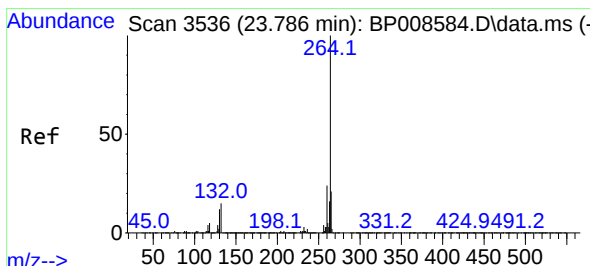
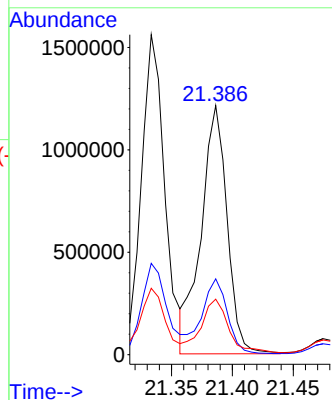
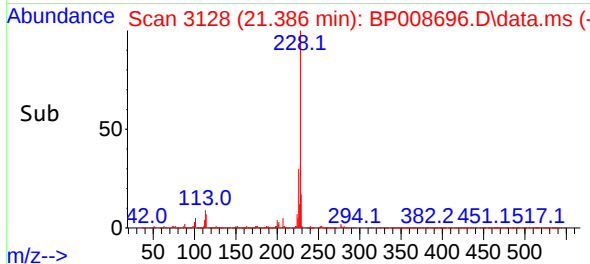
Instrument :
BNA_P
ClientSampleId :
SB-10-(0-2)



Tgt Ion:228 Resp: 179832
Ion Ratio Lower Upper
228 100
226 30.5 26.0 39.0
229 22.3 16.9 25.3

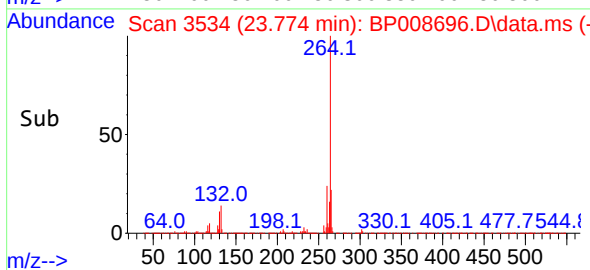
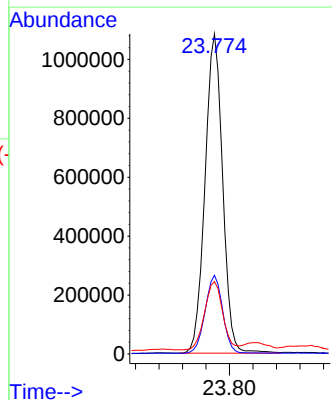
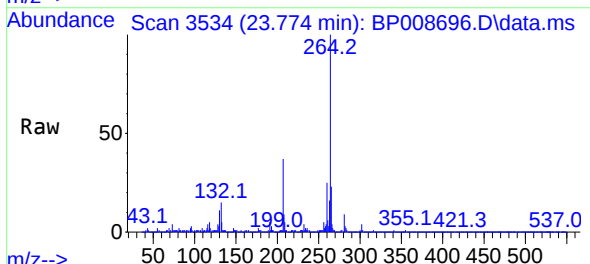
Manual Integrations
APPROVED

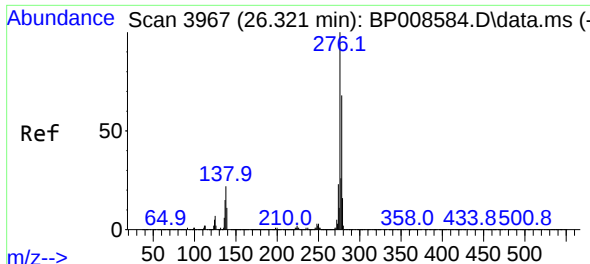
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.774 min Scan# 3534
Delta R.T. -0.012 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

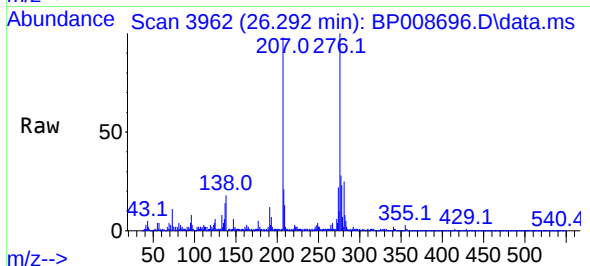
Tgt Ion:264 Resp: 2259235
Ion Ratio Lower Upper
264 100
260 24.6 19.1 28.7
265 22.6 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.408 ng
RT: 26.292 min Scan# 3409
Delta R.T. -0.029 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

Instrument :
BNA_P
ClientSampleId :
SB-10-(0-2)

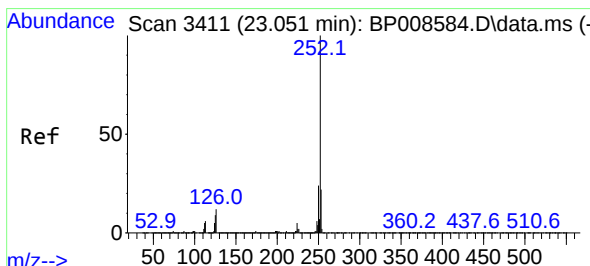
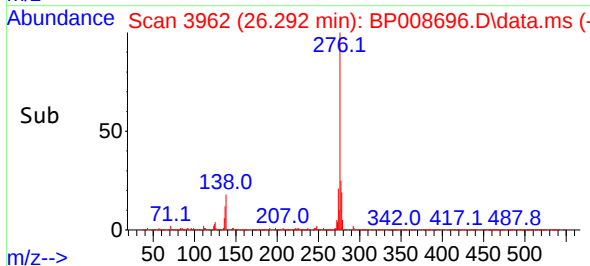
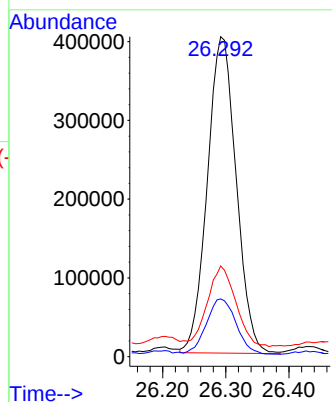


Tgt Ion:276 Resp: 127588

Ion	Ratio	Lower	Upper
276	100		
138	18.0	17.8	26.6
277	25.0	20.4	30.6

Manual Integrations
APPROVED

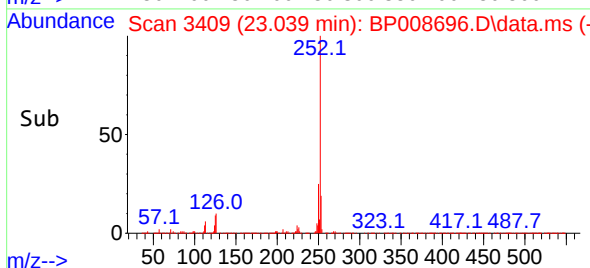
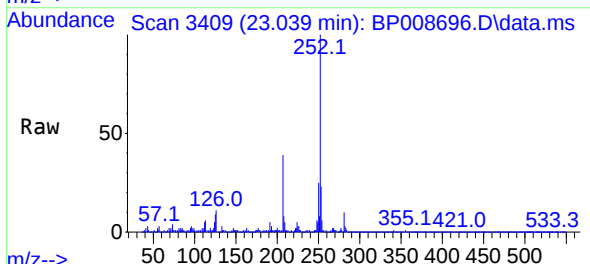
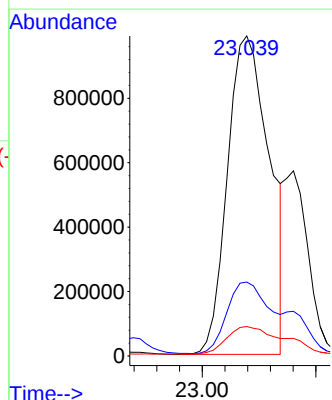
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022

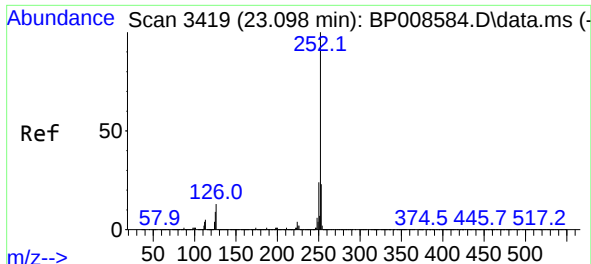


#88
Benzo(b)fluoranthene
Concen: 17.492 ng
RT: 23.039 min Scan# 3409
Delta R.T. -0.012 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

Tgt Ion:252 Resp: 2541373

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	9.2	6.9	10.3





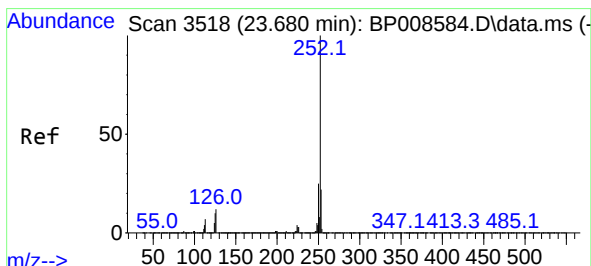
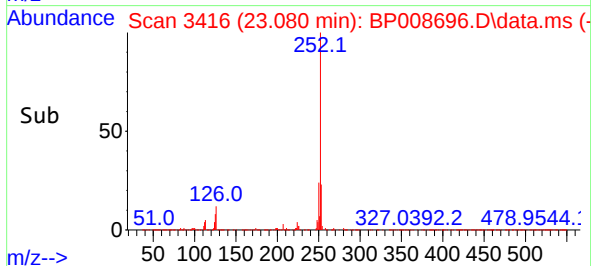
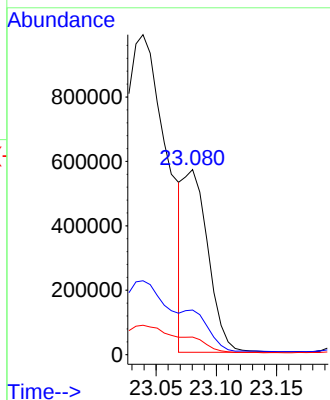
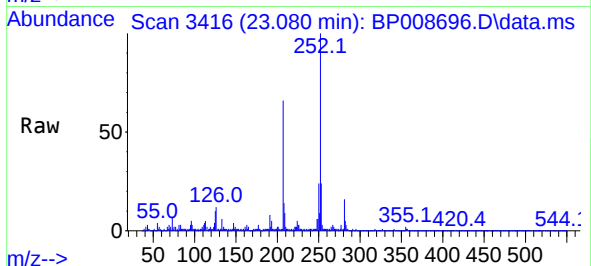
#89
Benzo(k)fluoranthene
Concen: 5.606 ng m
RT: 23.080 min Scan# 3419
Delta R.T. -0.017 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

Instrument :
BNA_P
ClientSampleId :
SB-10-(0-2)

Tgt Ion:252 Resp: 809652
Ion Ratio Lower Upper
252 100
253 24.1 18.2 27.2
125 9.6 7.3 10.9

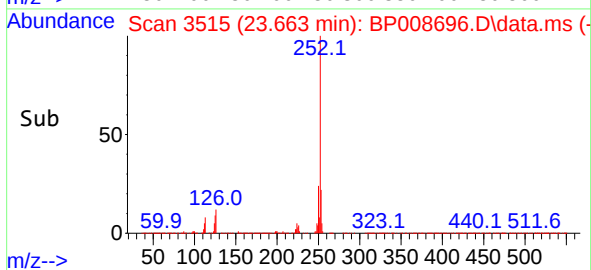
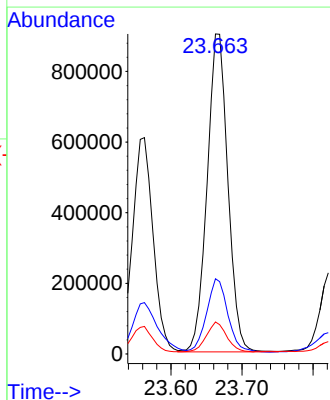
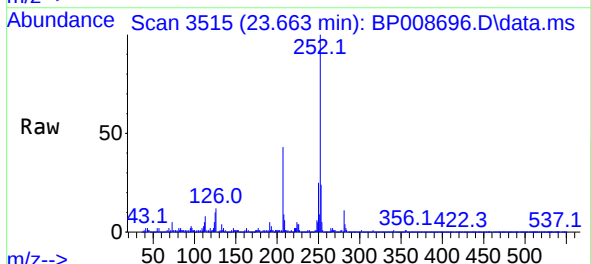
Manual Integrations
APPROVED

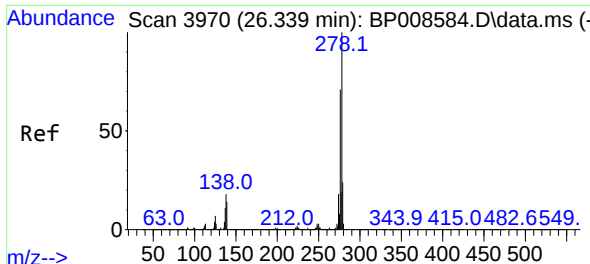
Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022



#90
Benzo(a)pyrene
Concen: 15.609 ng
RT: 23.663 min Scan# 3515
Delta R.T. -0.018 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

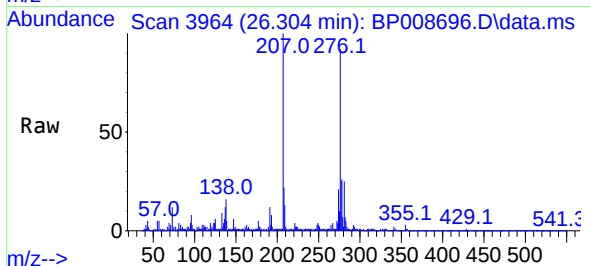
Tgt Ion:252 Resp: 1828228
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 10.0 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 2.857 ng m
RT: 26.304 min Scan# 3964
Delta R.T. -0.035 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

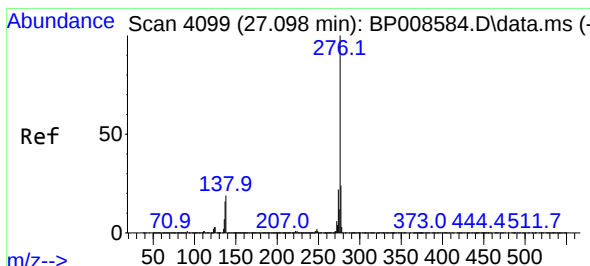
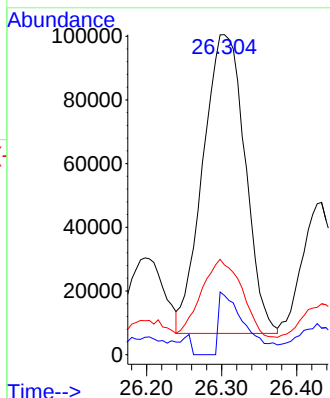
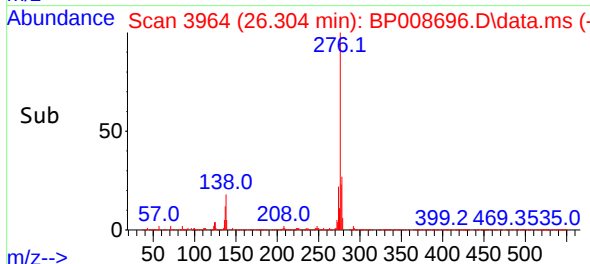
Instrument :
BNA_P
ClientSampleId :
SB-10-(0-2)



Tgt Ion:278 Resp: 365720
Ion Ratio Lower Upper
278 100
139 18.5 11.5 17.3
279 28.1 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/06/2022
Supervised By :Jagrut Upadhyay 01/06/2022



#92
Benzo(g,h,i)perylene
Concen: 10.261 ng
RT: 27.068 min Scan# 4094
Delta R.T. -0.029 min
Lab File: BP008696.D
Acq: 05 Jan 2022 18:35

Tgt Ion:276 Resp: 1228340
Ion Ratio Lower Upper
276 100
277 26.7 19.2 28.8
138 18.4 15.0 22.4

