

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012622\
 Data File : BP008939.D
 Acq On : 26 Jan 2022 20:32
 Operator : CG/JU
 Sample : N1245-09DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-5(0.5-1)DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/27/2022
 Supervised By : mohammad ahmed 01/31/2022

Quant Time: Jan 27 05:24:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 26 01:52:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	283440	20.000	ng	0.00
21) Naphthalene-d8	10.634	136	1097044	20.000	ng	0.00
39) Acenaphthene-d10	14.475	164	713370	20.000	ng	0.00
64) Phenanthrene-d10	17.228	188	1493191	20.000	ng	-0.01
76) Chrysene-d12	21.322	240	1552213	20.000	ng	-0.01
86) Perylene-d12	23.733	264	1673292	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	881325	48.084	ng	0.00
7) Phenol-d6	7.016	99	1244900	56.089	ng	0.00
23) Nitrobenzene-d5	8.993	82	768344	39.763	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	348265	33.539	ng	-0.01
45) 2-Fluorobiphenyl	13.093	172	2046562	37.833	ng	-0.01
79) Terphenyl-d14	19.792	244	3183697	34.621	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.534	154	184662	4.605	ng	99
55) Dibenzofuran	14.875	168	283194	4.334	ng	97
58) Fluorene	15.522	166	253503	4.912	ng	97
71) Phenanthrene	17.275	178	4302318	51.175	ng	99
72) Anthracene	17.363	178	1056455	12.526	ng	99
73) Carbazole	17.639	167	381965	5.267	ng	98
75) Fluoranthene	19.245	202	4557614	48.749	ng	97
78) Pyrene	19.592	202	3658965	33.783	ng	99
81) Benzo(a)anthracene	21.304	228	2172445	20.804	ng	99
83) Chrysene	21.357	228	1807388	17.854	ng	97
87) Indeno(1,2,3-cd)pyrene	26.239	276	1013277	7.349	ng	96
88) Benzo(b)fluoranthene	22.998	252	2169911	19.418	ng	100
89) Benzo(k)fluoranthene	23.045	252	869182m	8.035	ng	
90) Benzo(a)pyrene	23.627	252	1552097	14.390	ng	98
91) Dibenzo(a,h)anthracene	26.245	278	302373	2.579	ng	92
92) Benzo(g,h,i)perylene	27.015	276	899628	7.859	ng	100

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

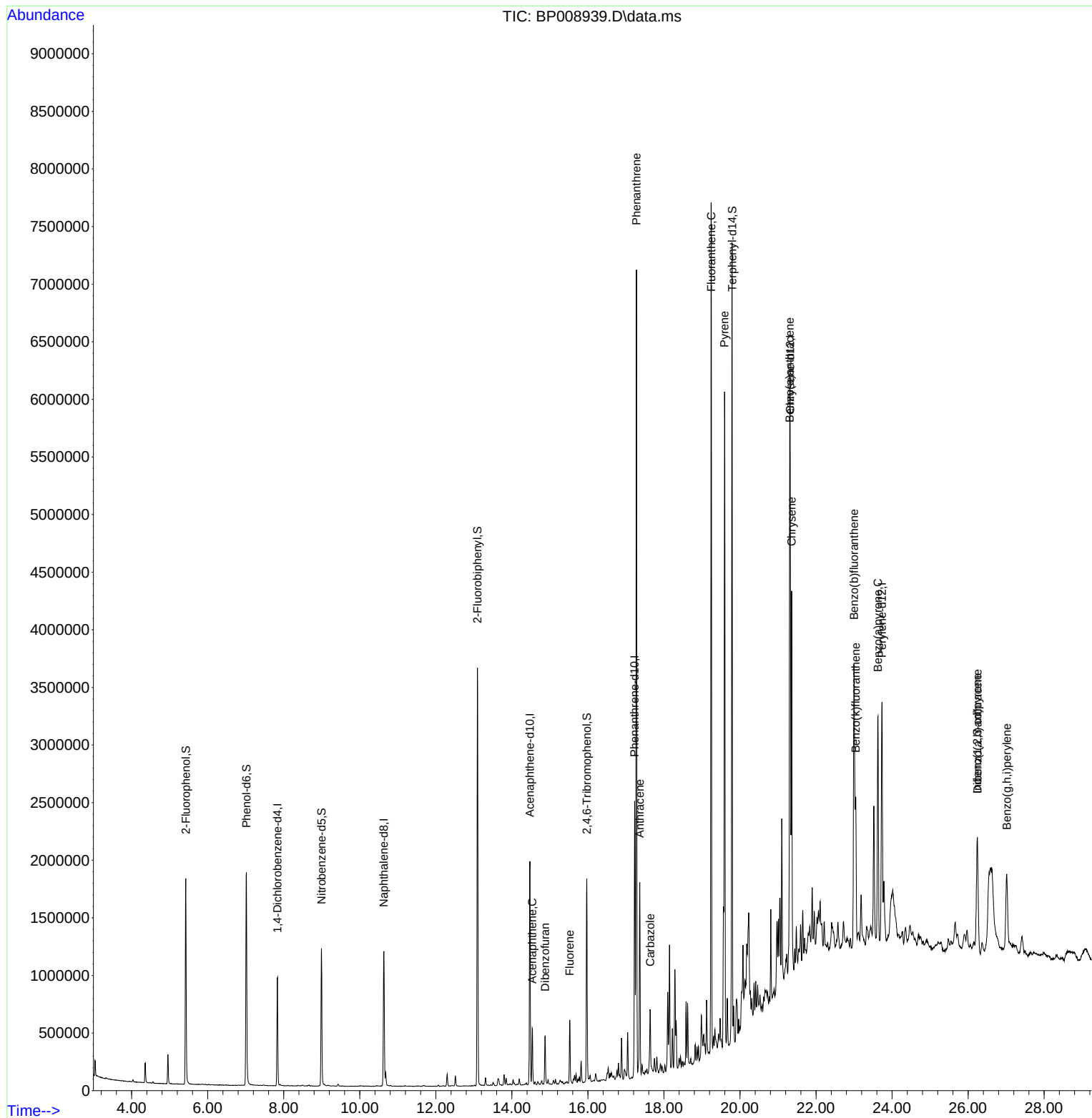
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Data File : BP008939.D
Acq On : 26 Jan 2022 20:32
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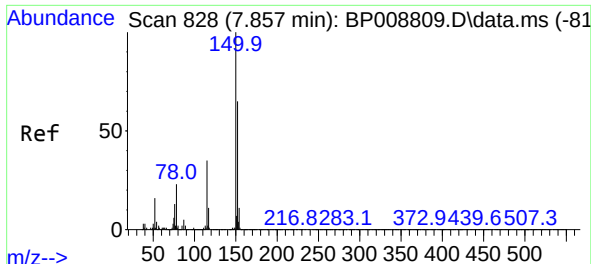
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Quant Time: Jan 27 05:24:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
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Supervised By :mohammad ahmed 01/31/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.834 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Instrument :

BNA_P

ClientSampleId :

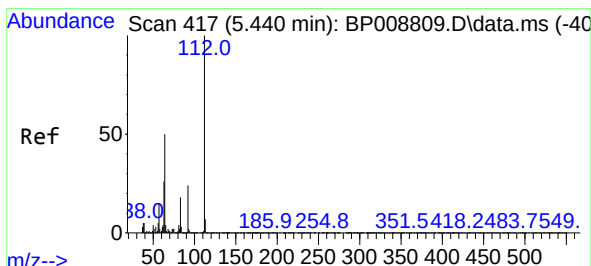
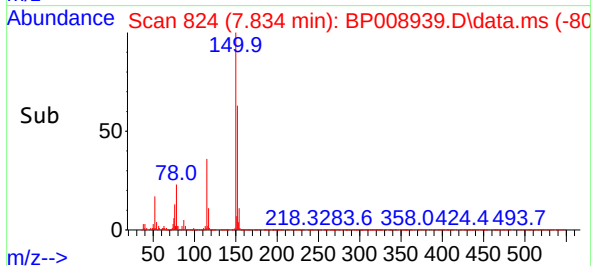
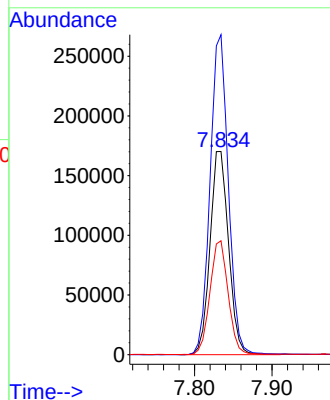
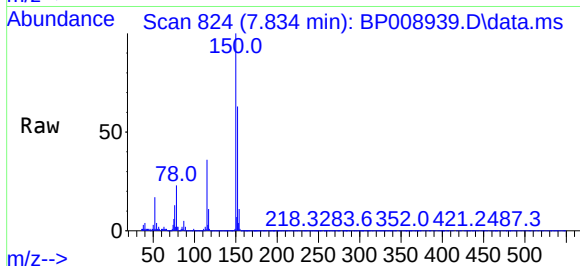
SB-5(0.5-1)DL

Tgt Ion:152 Resp: 283440
Ion Ratio Lower Upper
152 100
150 157.5 127.0 190.6
115 56.1 43.7 65.5

Manual Integrations

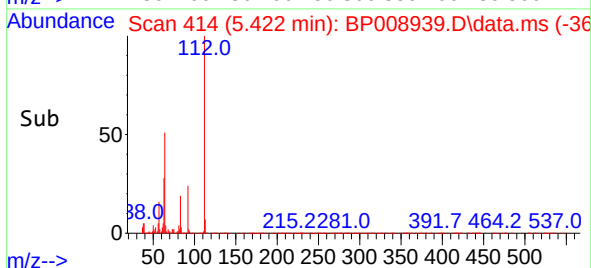
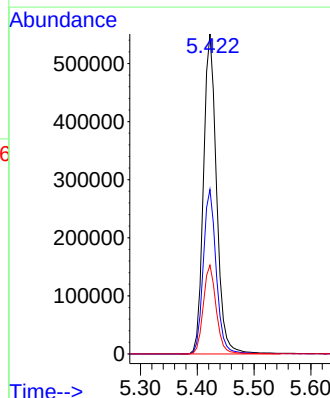
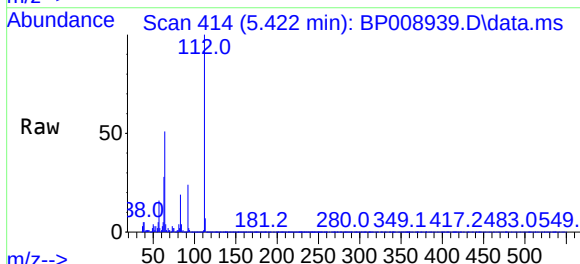
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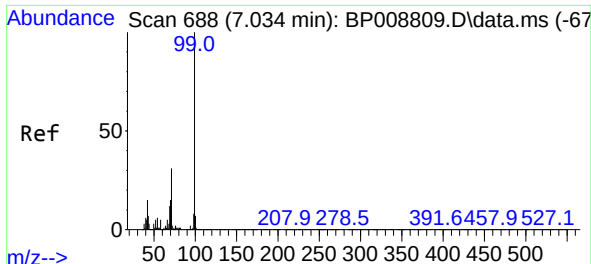
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#5
2-Fluorophenol
Concen: 48.084 ng
RT: 5.422 min Scan# 414
Delta R.T. -0.006 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

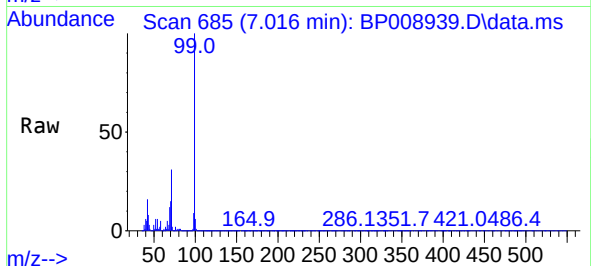
Tgt Ion:112 Resp: 881325
Ion Ratio Lower Upper
112 100
64 51.4 39.7 59.5
63 27.8 20.0 30.0





#7
Phenol-d6
Concen: 56.089 ng
RT: 7.016 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

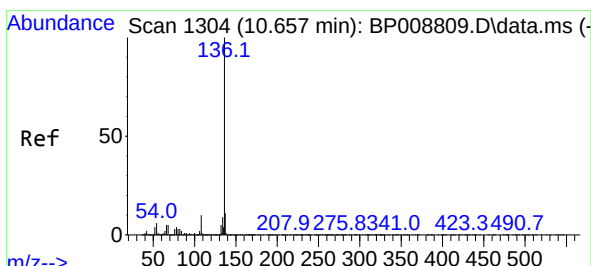
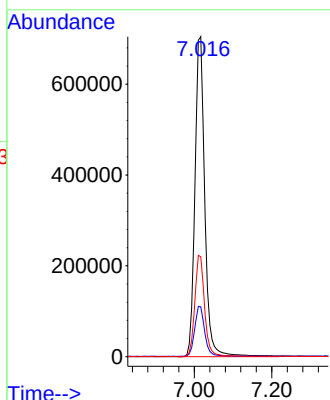
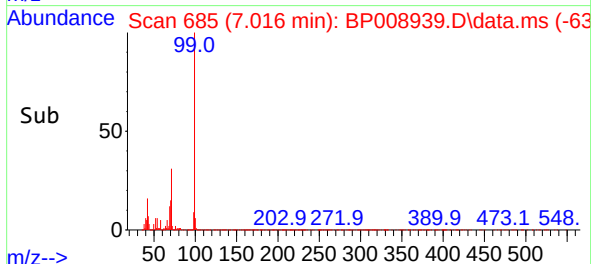
Instrument :
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SB-5(0.5-1)DL



Tgt Ion: 99 Resp: 1244900
Ion Ratio Lower Upper
99 100
42 15.6 10.8 16.2
71 31.3 23.8 35.6

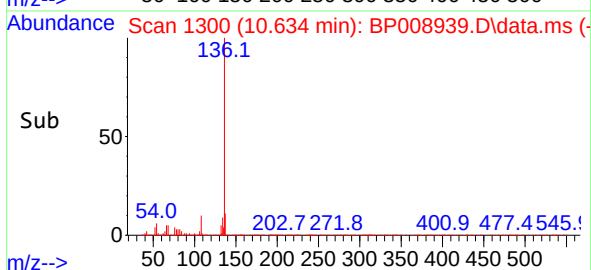
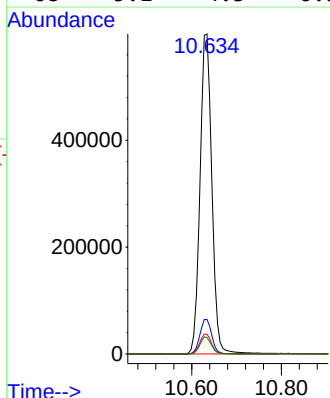
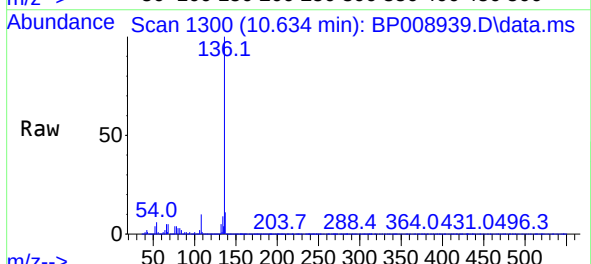
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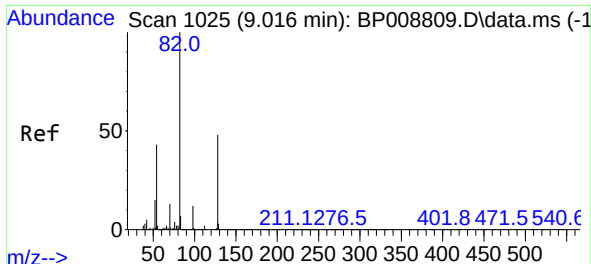
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.634 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Tgt Ion:136 Resp: 1097044
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 6.1 4.9 7.3
68 5.1 4.3 6.5





#23
Nitrobenzene-d5
Concen: 39.763 ng
RT: 8.993 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Instrument :

BNA_P

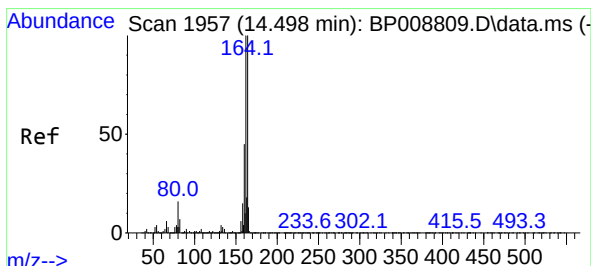
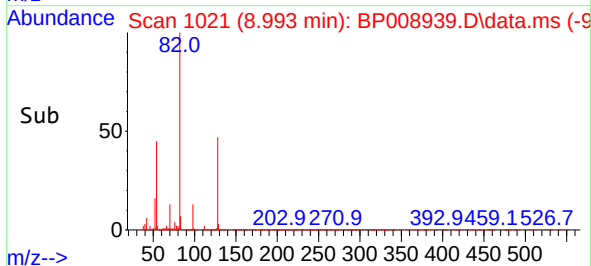
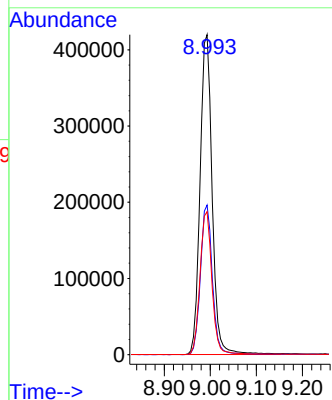
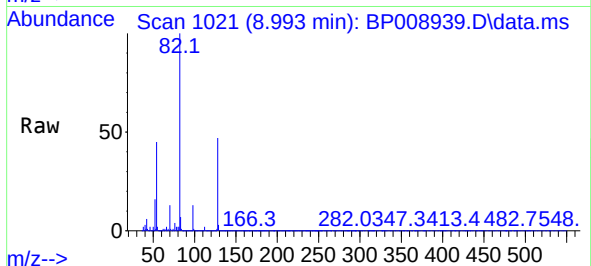
ClientSampleId :

SB-5(0.5-1)DL

Tgt Ion: 82 Resp: 768344
Ion Ratio Lower Upper
82 100
128 46.7 39.4 59.2
54 44.7 32.6 48.8

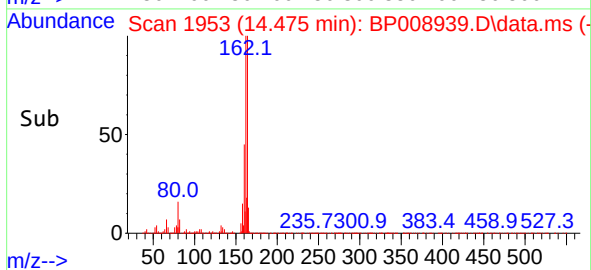
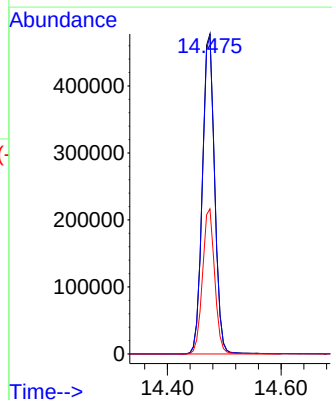
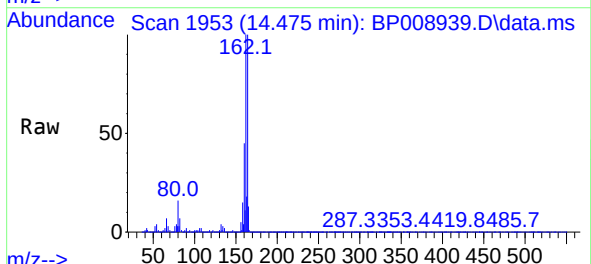
Manual Integrations
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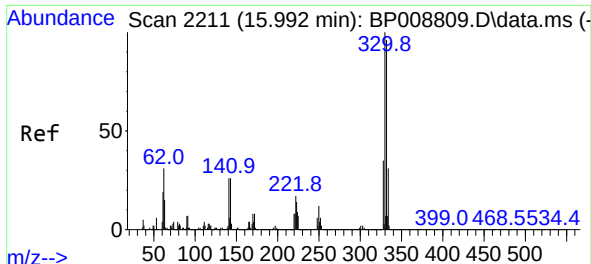
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Tgt Ion:164 Resp: 713370
Ion Ratio Lower Upper
164 100
162 99.6 79.9 119.9
160 45.4 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 33.539 ng
RT: 15.969 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Instrument :

BNA_P

ClientSampleId :

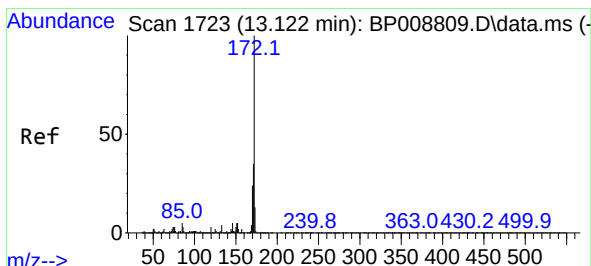
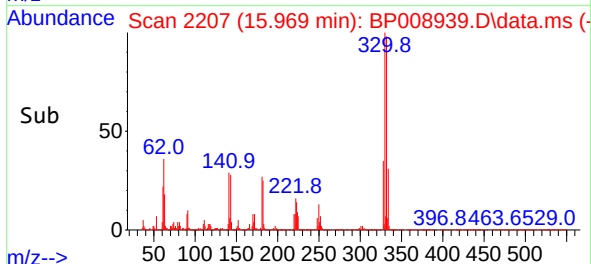
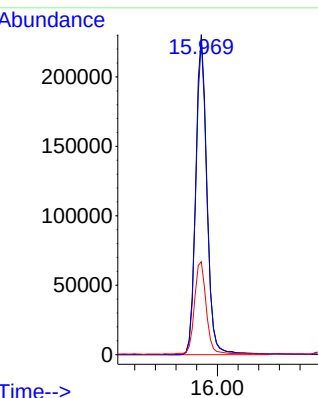
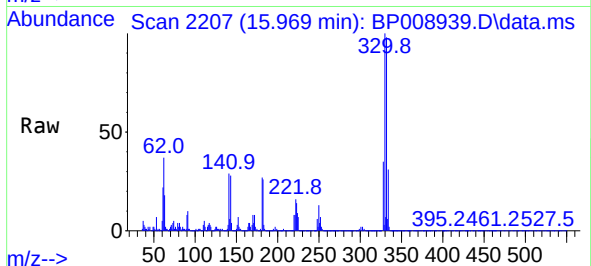
SB-5(0.5-1)DL

Tgt Ion:330 Resp: 34826
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.4
141 30.4 21.3 31.9

Manual Integrations

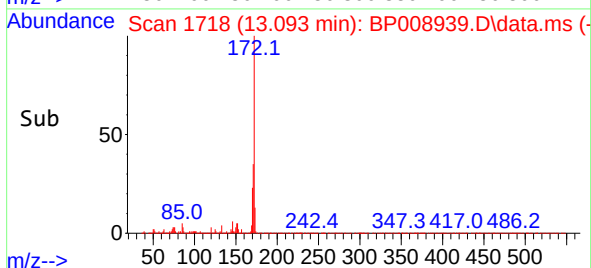
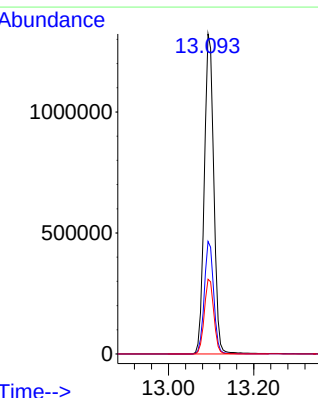
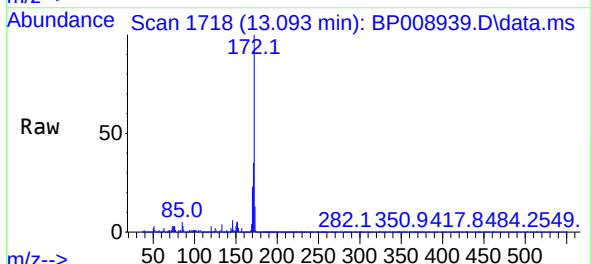
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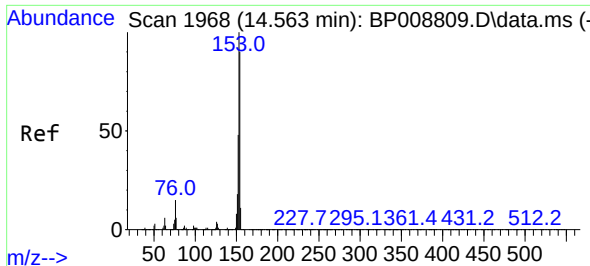
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#45
2-Fluorobiphenyl
Concen: 37.833 ng
RT: 13.093 min Scan# 1718
Delta R.T. -0.012 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Tgt Ion:172 Resp: 2046562
Ion Ratio Lower Upper
172 100
171 35.1 29.3 43.9
170 23.3 19.5 29.3





#52
Acenaphthene
Concen: 4.605 ng
RT: 14.534 min Scan# 1963
Delta R.T. -0.012 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Instrument :

BNA_P

ClientSampleId :

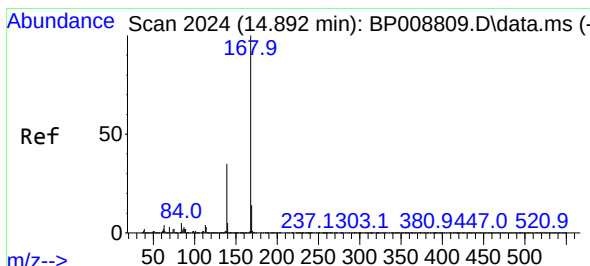
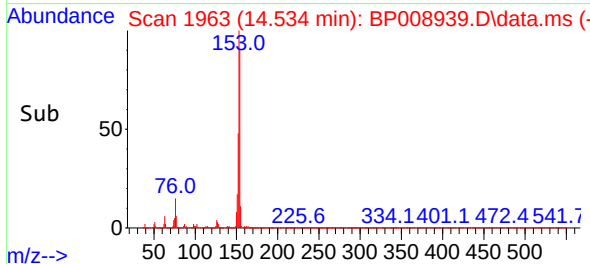
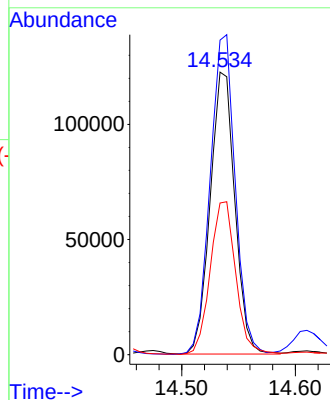
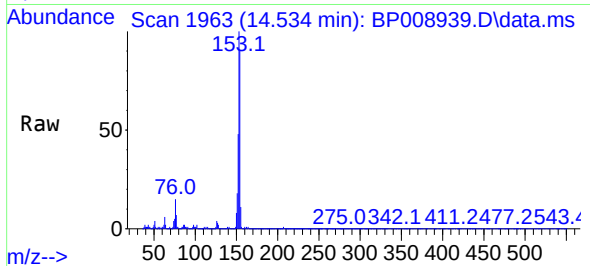
SB-5(0.5-1)DL

Tgt Ion:154 Resp: 184662
Ion Ratio Lower Upper
154 100
153 111.3 89.4 134.2
152 53.7 42.6 63.8

Manual Integrations

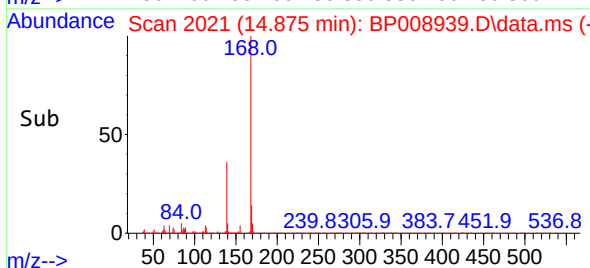
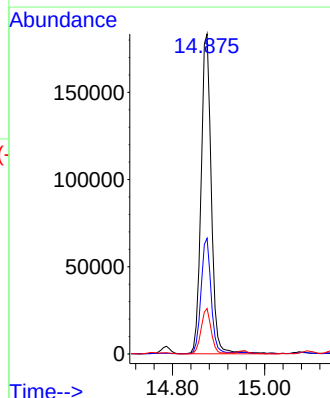
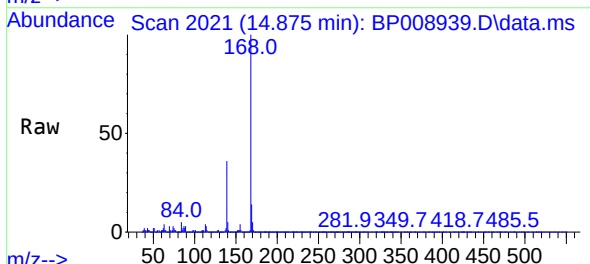
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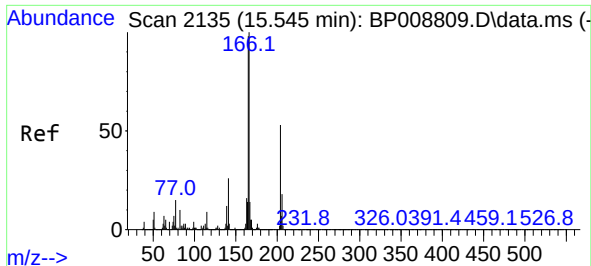
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#55
Dibenzofuran
Concen: 4.334 ng
RT: 14.875 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Tgt Ion:168 Resp: 283194
Ion Ratio Lower Upper
168 100
139 36.1 27.4 41.0
169 14.2 10.9 16.3





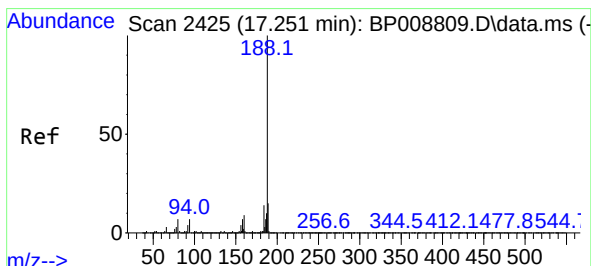
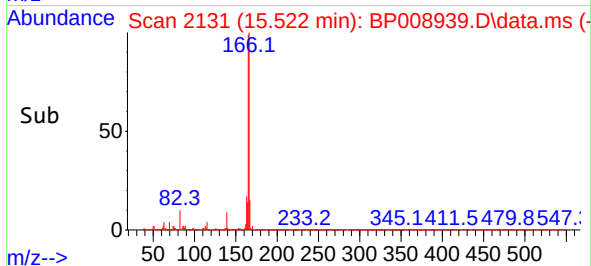
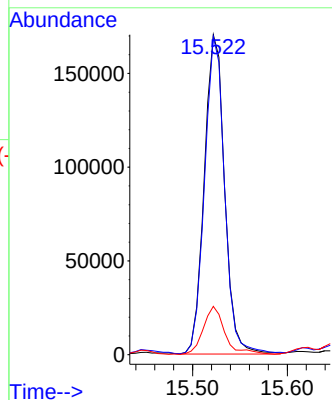
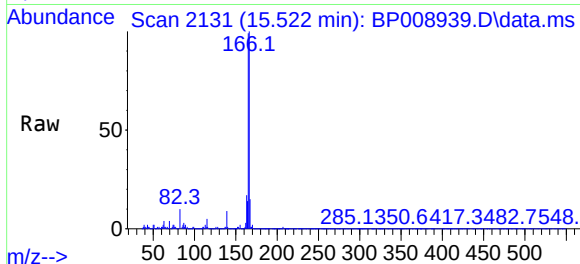
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Fluorene
Concen: 4.912 ng
RT: 15.522 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Instrument :
BNA_P
ClientSampleId :
SB-5(0.5-1)DL

Tgt Ion:166 Resp: 253500
Ion Ratio Lower Upper
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165 99.4 77.2 115.8
167 15.1 11.2 16.8

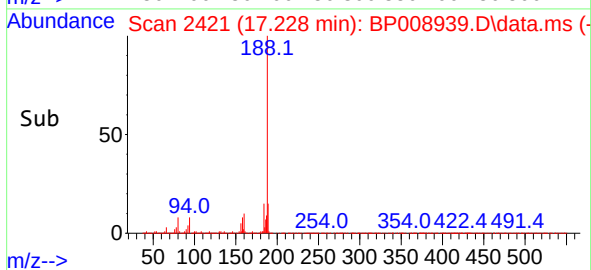
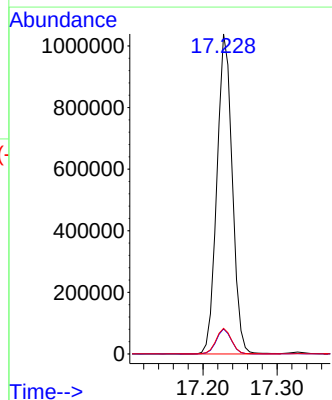
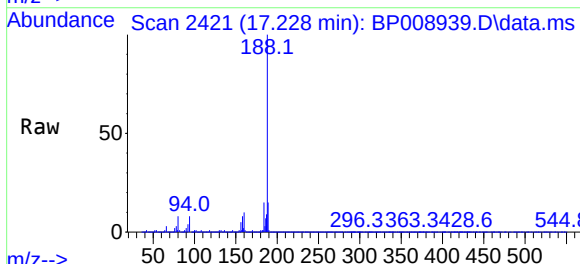
Manual Integrations
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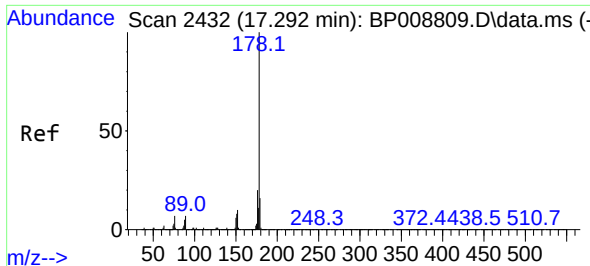
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.228 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Tgt Ion:188 Resp: 1493191
Ion Ratio Lower Upper
188 100
94 7.8 6.8 10.2
80 8.0 7.2 10.8





#71
Phenanthrene
Concen: 51.175 ng
RT: 17.275 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Instrument :

BNA_P

ClientSampleId :

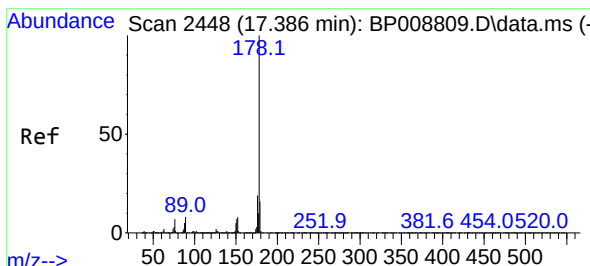
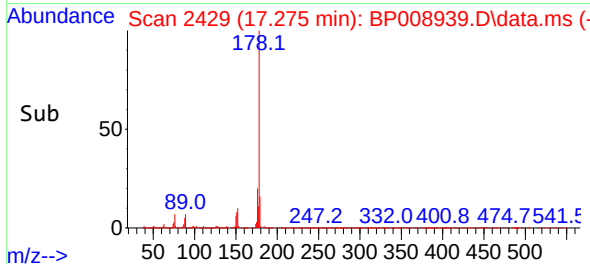
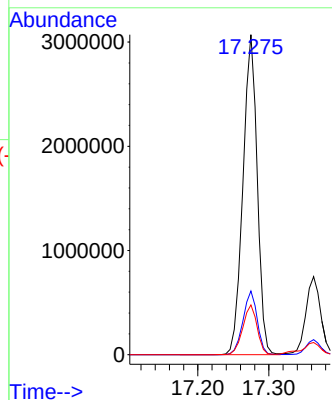
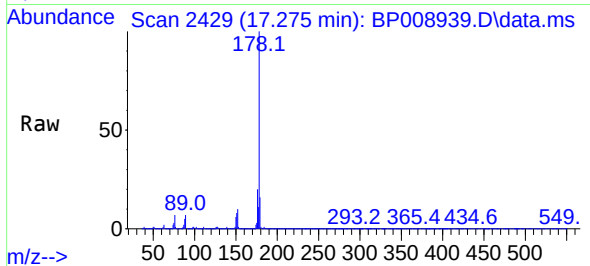
SB-5(0.5-1)DL

Tgt Ion:178 Resp: 4302318
Ion Ratio Lower Upper
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176 19.9 16.0 24.0
179 15.6 13.0 19.4

Manual Integrations

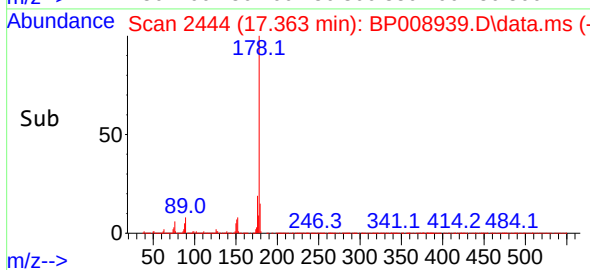
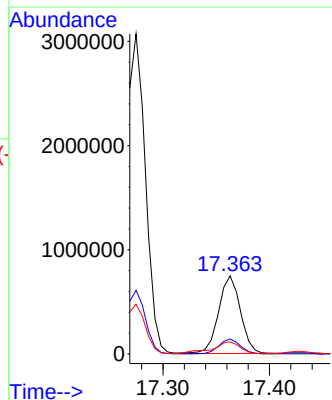
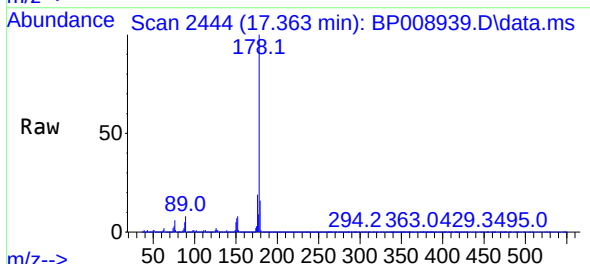
APPROVED

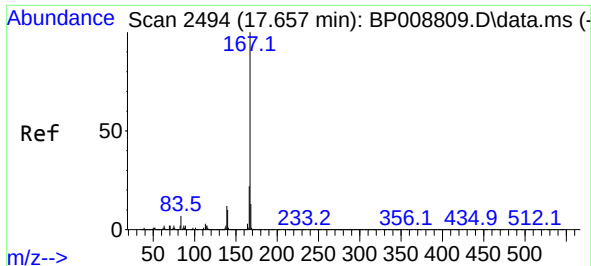
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#72
Anthracene
Concen: 12.526 ng
RT: 17.363 min Scan# 2444
Delta R.T. -0.012 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

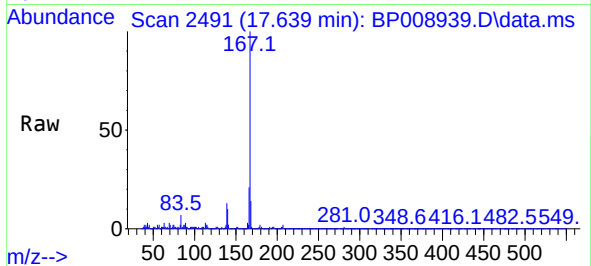
Tgt Ion:178 Resp: 1056455
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.5 12.8 19.2





#73
 Carbazole
 Concen: 5.267 ng
 RT: 17.639 min Scan# 2491
 Delta R.T. -0.006 min
 Lab File: BP008939.D
 Acq: 26 Jan 2022 20:32

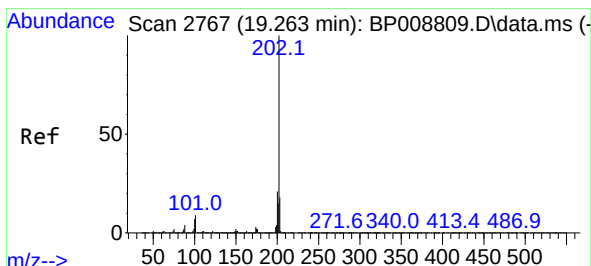
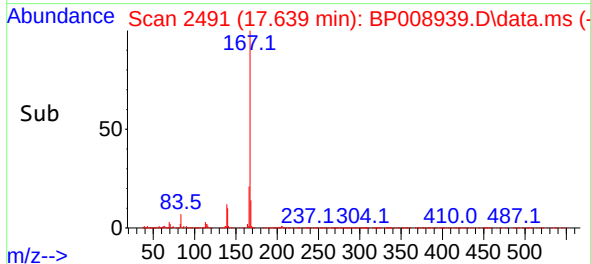
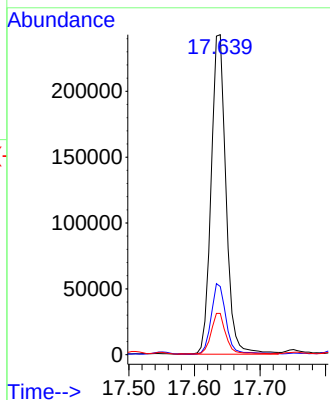
Instrument :
 BNA_P
 ClientSampleId :
 SB-5(0.5-1)DL



Tgt Ion:167 Resp: 381968
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.7 26.5
 139 12.9 9.8 14.6

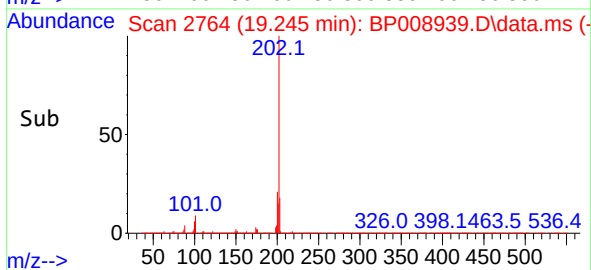
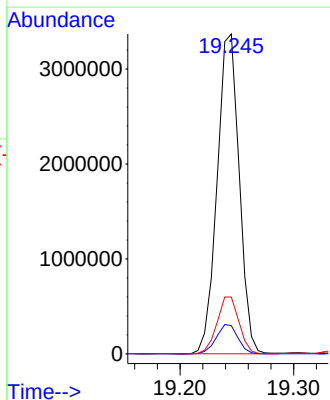
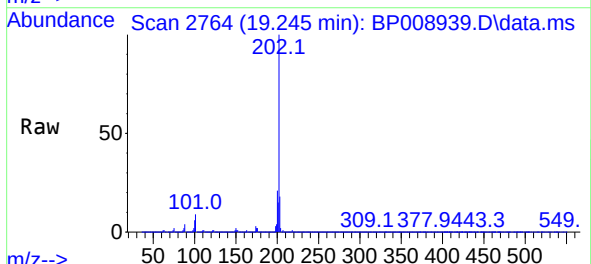
Manual Integrations
 APPROVED

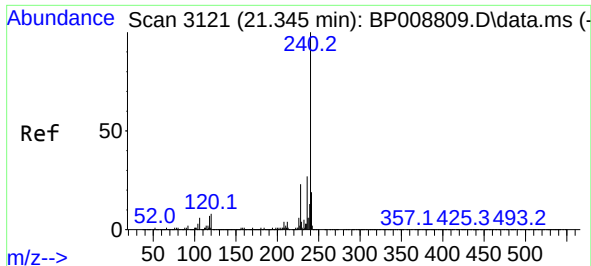
Reviewed By :Christian Giraldo 01/27/2022
 Supervised By :mohammad ahmed 01/31/2022



#75
 Fluoranthene
 Concen: 48.749 ng
 RT: 19.245 min Scan# 2764
 Delta R.T. -0.006 min
 Lab File: BP008939.D
 Acq: 26 Jan 2022 20:32

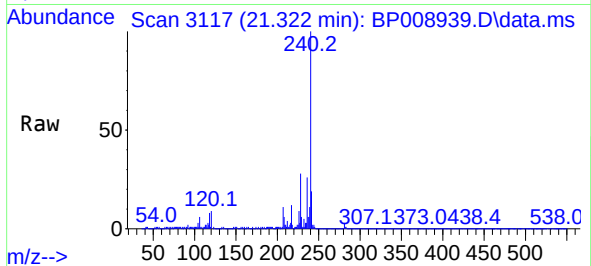
Tgt Ion:202 Resp: 4557614
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 30.7
 203 17.8 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.322 min Scan# 3121
Delta R.T. -0.012 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

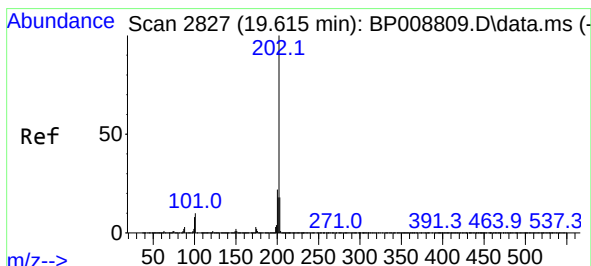
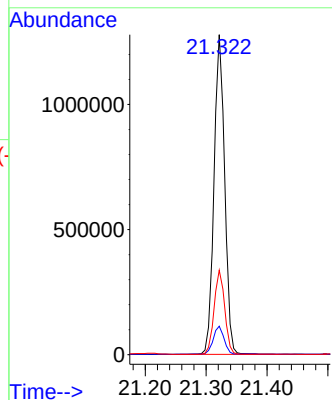
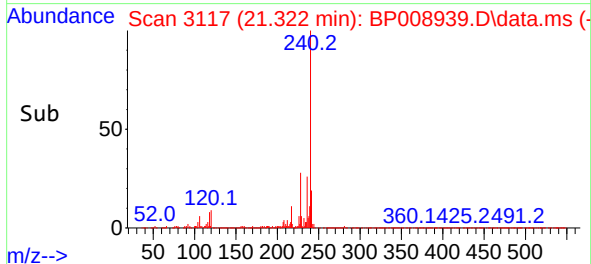
Instrument :
BNA_P
ClientSampleId :
SB-5(0.5-1)DL



Tgt Ion:240 Resp: 155221
Ion Ratio Lower Upper
240 100
120 8.9 7.7 11.5
236 26.4 21.2 31.8

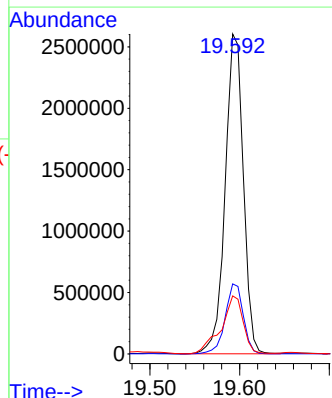
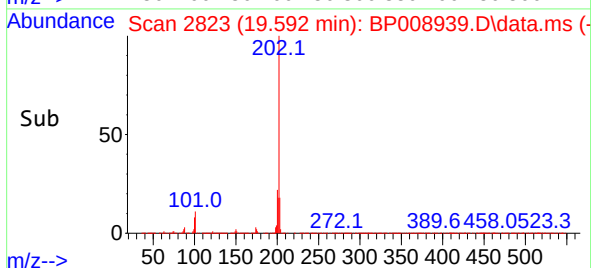
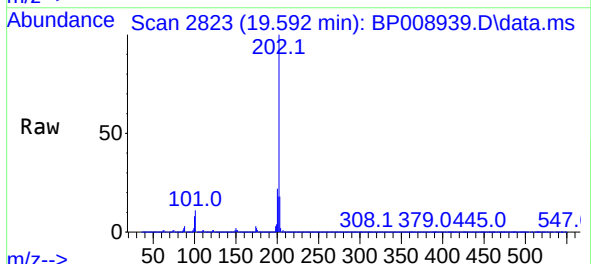
Manual Integrations
APPROVED

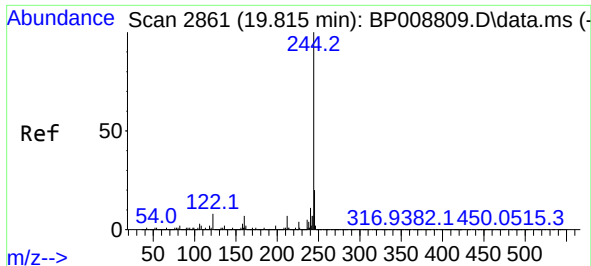
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#78
Pyrene
Concen: 33.783 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.012 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Tgt Ion:202 Resp: 3658965
Ion Ratio Lower Upper
202 100
200 21.9 18.0 27.0
203 18.2 15.0 22.6





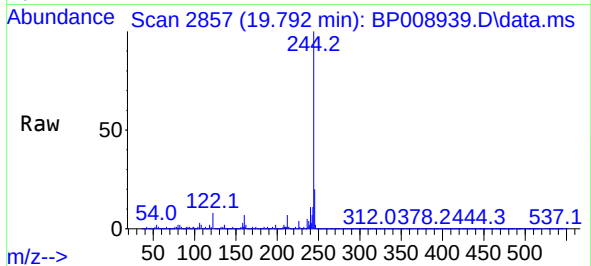
#79
Terphenyl-d14
Concen: 34.621 ng
RT: 19.792 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Instrument :

BNA_P

ClientSampleId :

SB-5(0.5-1)DL

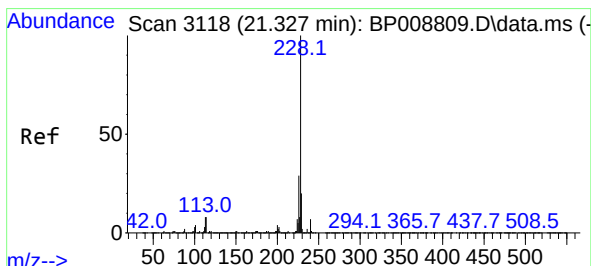
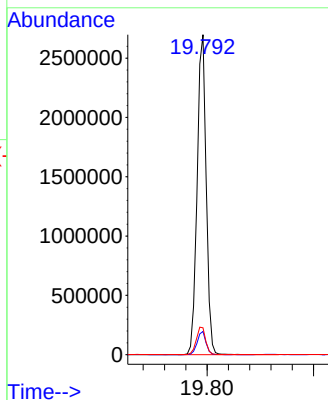
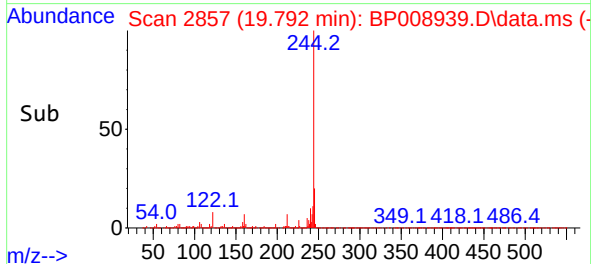


Tgt Ion:244 Resp: 318369
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 8.4 9.2 13.8

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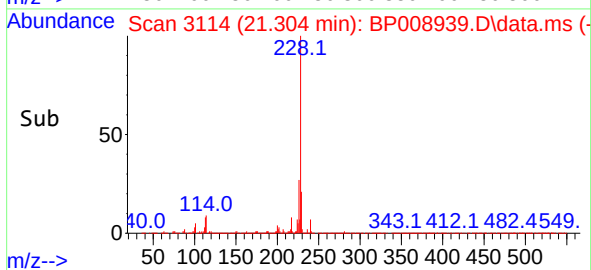
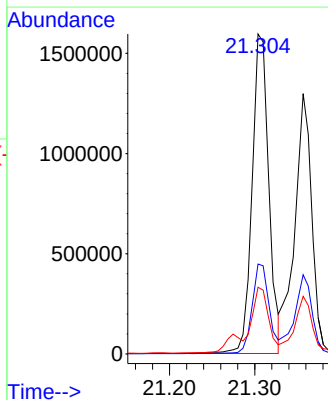
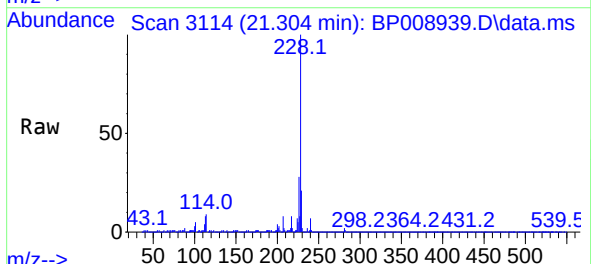
APPROVED

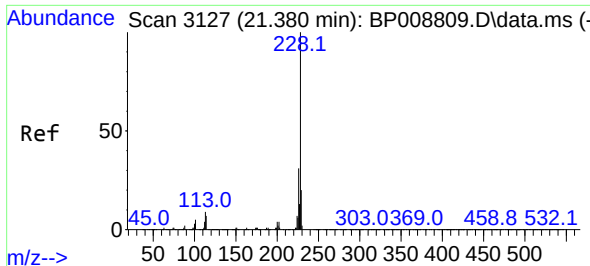
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#81
Benzo(a)anthracene
Concen: 20.804 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.018 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

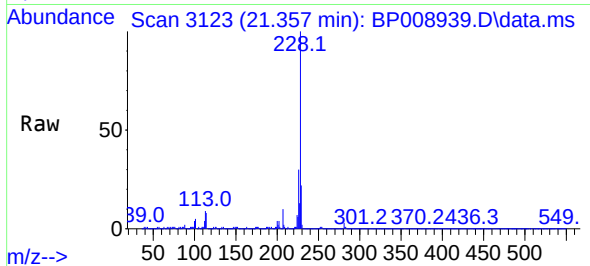
Tgt Ion:228 Resp: 2172445
Ion Ratio Lower Upper
228 100
226 28.1 23.3 34.9
229 20.9 17.0 25.6





#83
Chrysene
Concen: 17.854 ng
RT: 21.357 min Scan# 3123
Delta R.T. -0.012 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

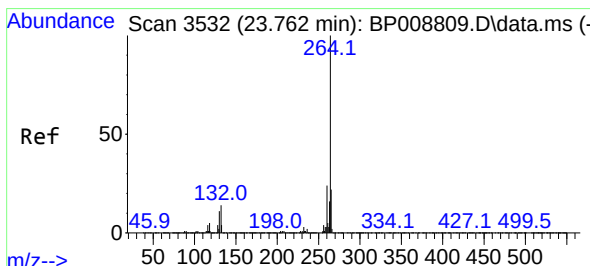
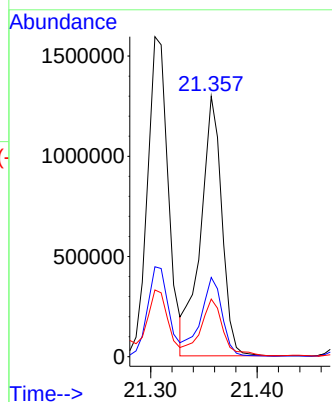
Instrument :
BNA_P
ClientSampleId :
SB-5(0.5-1)DL



Tgt Ion:228 Resp: 1807388
Ion Ratio Lower Upper
228 100
226 30.4 26.0 39.0
229 22.1 16.9 25.3

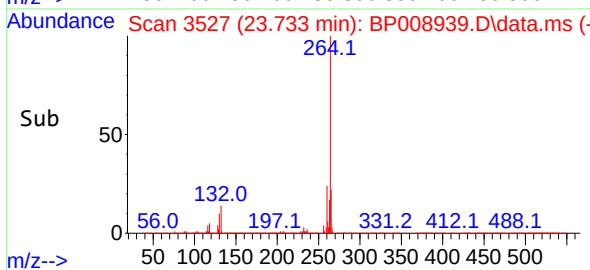
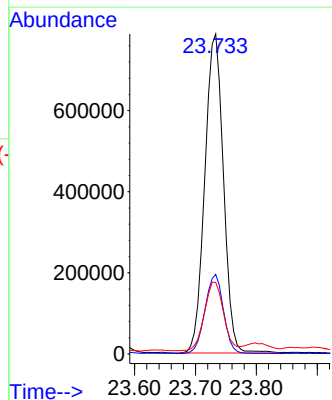
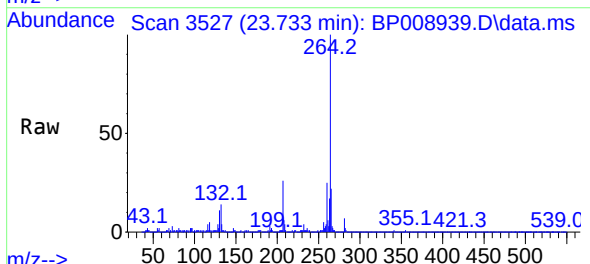
Manual Integrations
APPROVED

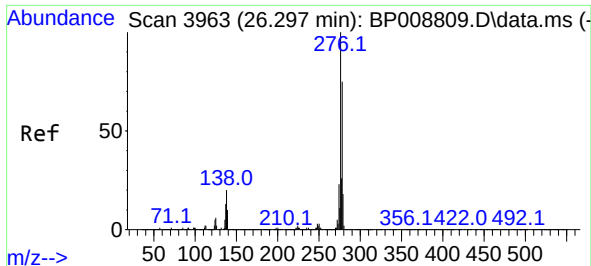
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3527
Delta R.T. -0.018 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Tgt Ion:264 Resp: 1673292
Ion Ratio Lower Upper
264 100
260 24.9 19.1 28.7
265 22.4 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.349 ng
RT: 26.239 min Scan# 3953
Delta R.T. -0.041 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Instrument :

BNA_P

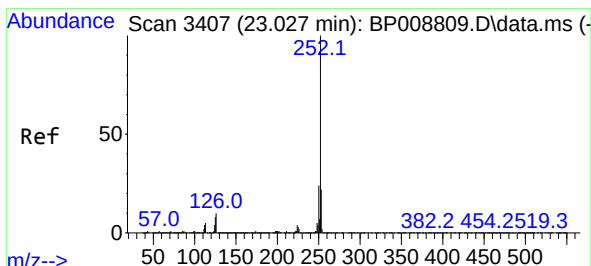
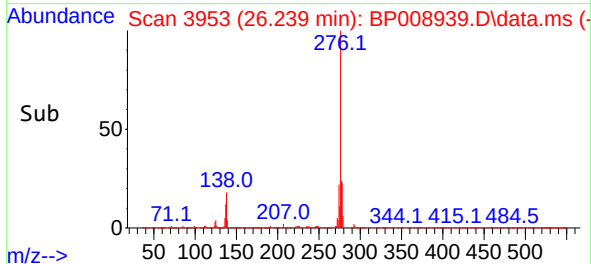
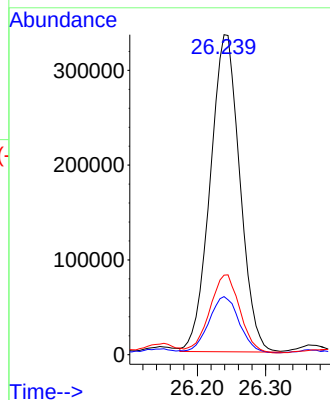
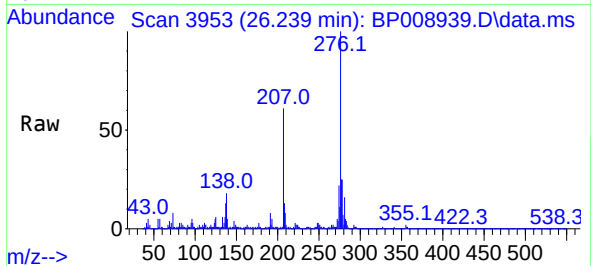
ClientSampleId :

SB-5(0.5-1)DL

Tgt Ion:276 Resp: 101327
Ion Ratio Lower Upper
276 100
138 18.1 17.8 26.6
277 25.2 20.4 30.6

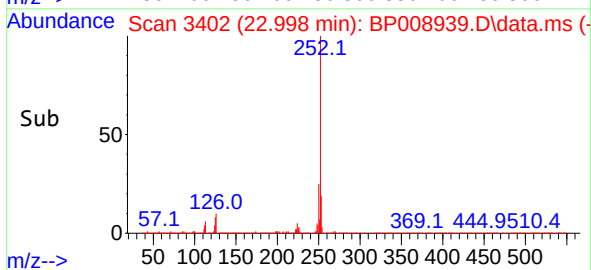
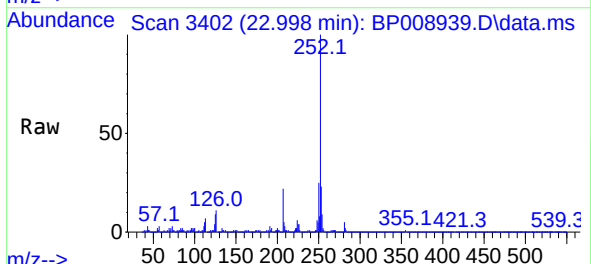
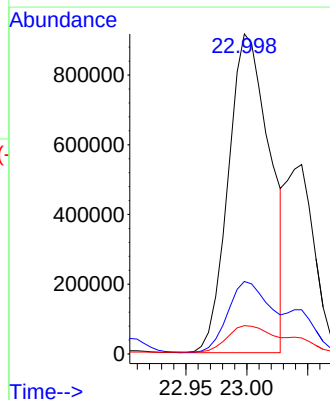
Manual Integrations
APPROVED

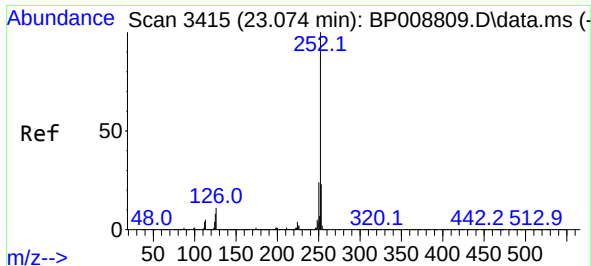
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#88
Benzo(b)fluoranthene
Concen: 19.418 ng
RT: 22.998 min Scan# 3402
Delta R.T. -0.018 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Tgt Ion:252 Resp: 2169911
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 8.9 6.9 10.3





#89
Benzo(k)fluoranthene
Concen: 8.035 ng m
RT: 23.045 min Scan# 3415
Delta R.T. -0.018 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Instrument :

BNA_P

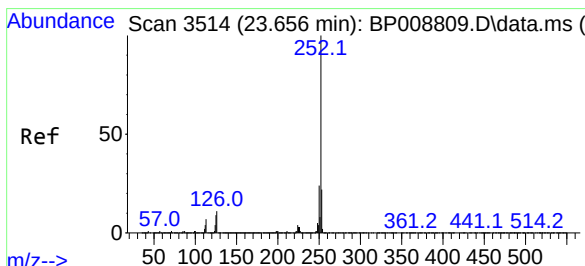
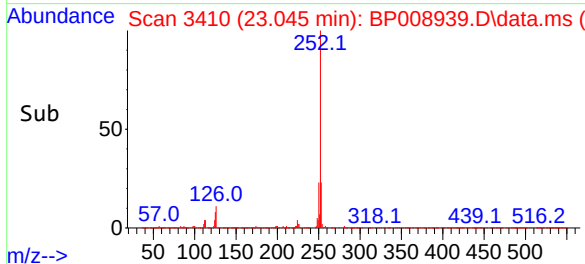
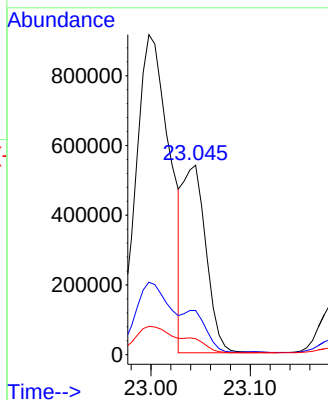
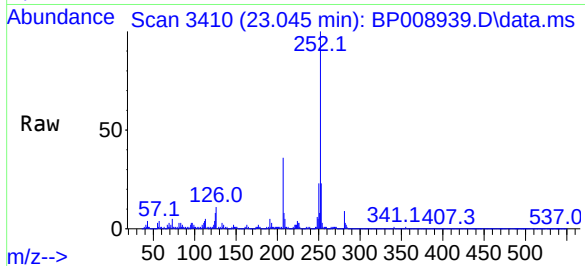
ClientSampleId :

SB-5(0.5-1)DL

Tgt Ion:252 Resp: 86918
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 8.5 7.3 10.9

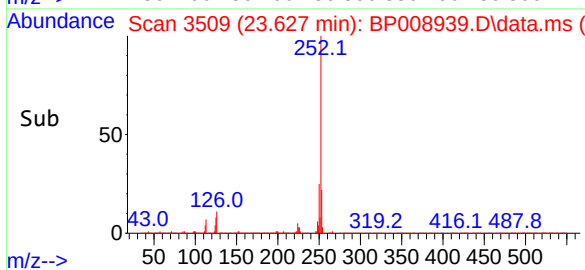
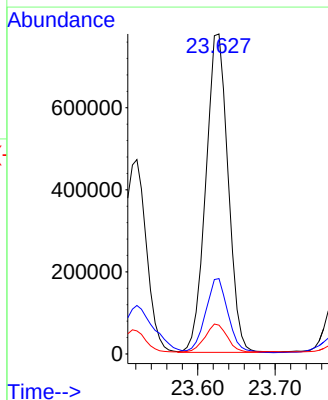
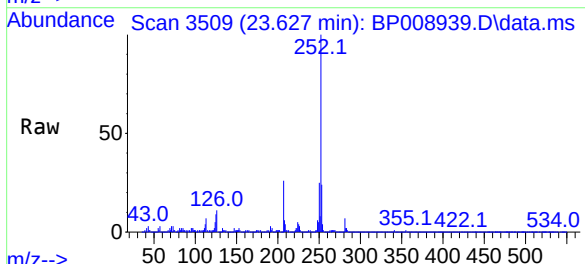
Manual Integrations
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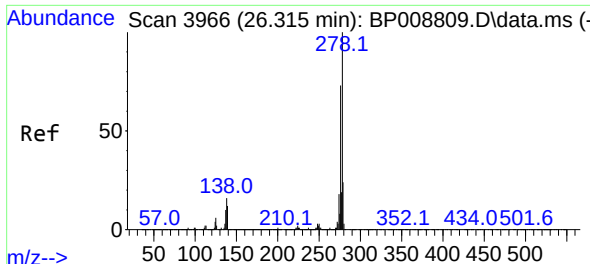
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#90
Benzo(a)pyrene
Concen: 14.390 ng
RT: 23.627 min Scan# 3509
Delta R.T. -0.018 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Tgt Ion:252 Resp: 1552097
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 9.0 7.8 11.6





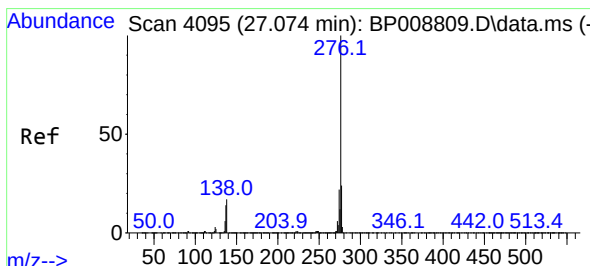
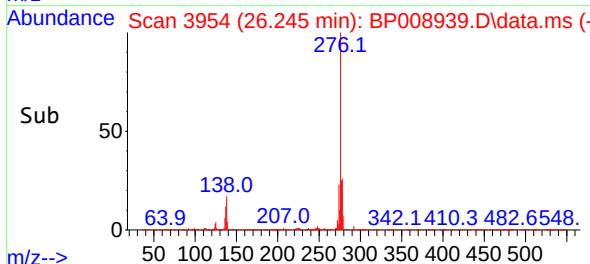
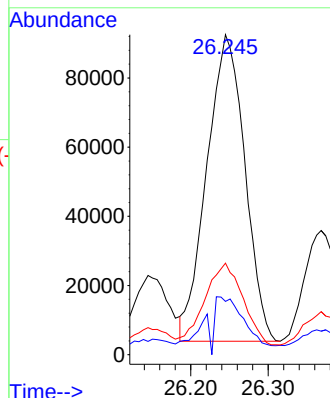
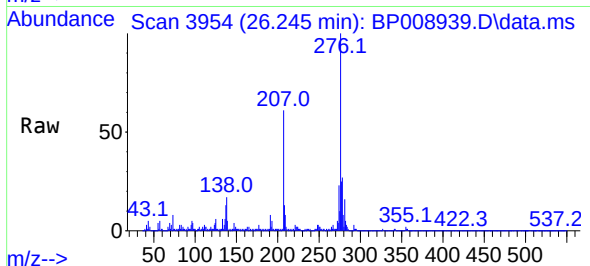
#91
Dibenzo(a,h)anthracene
Concen: 2.579 ng
RT: 26.245 min Scan# 3966
Delta R.T. -0.053 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Instrument :
BNA_P
ClientSampleId :
SB-5(0.5-1)DL

Tgt Ion:278 Resp: 30237
Ion Ratio Lower Upper
278 100
139 16.6 11.5 17.3
279 28.6 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#92
Benzo(g,h,i)perylene
Concen: 7.859 ng
RT: 27.015 min Scan# 4085
Delta R.T. -0.035 min
Lab File: BP008939.D
Acq: 26 Jan 2022 20:32

Tgt Ion:276 Resp: 899628
Ion Ratio Lower Upper
276 100
277 23.6 19.2 28.8
138 18.8 15.0 22.4

