

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012622\
 Data File : BP008940.D
 Acq On : 26 Jan 2022 21:06
 Operator : CG/JU
 Sample : N1245-07DL 4X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-4(0.5-1)DL

Quant Time: Jan 27 05:24:32 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	304469	20.000	ng	0.00
21) Naphthalene-d8	10.634	136	1192722	20.000	ng	0.00
39) Acenaphthene-d10	14.475	164	767883	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	1642710	20.000	ng	-0.01
76) Chrysene-d12	21.321	240	1667144	20.000	ng	-0.01
86) Perylene-d12	23.733	264	1816245	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	404462	20.543	ng	0.00
7) Phenol-d6	7.016	99	506911	21.261	ng	0.00
23) Nitrobenzene-d5	8.993	82	308681	14.693	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	241264	21.585	ng	-0.01
45) 2-Fluorobiphenyl	13.092	172	831487	14.280	ng	-0.01
79) Terphenyl-d14	19.786	244	1261345	12.771	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	14.534	154	163971	3.799	ng	99
55) Dibenzofuran	14.875	168	157427	2.238	ng	99
58) Fluorene	15.522	166	145400	2.617	ng	96
71) Phenanthrene	17.275	178	2737271	29.595	ng	99
72) Anthracene	17.363	178	569576	6.139	ng	99
73) Carbazole	17.639	167	293838	3.683	ng	100
75) Fluoranthene	19.245	202	4300235	41.809	ng	97
78) Pyrene	19.592	202	3511611	30.188	ng	99
81) Benzo(a)anthracene	21.304	228	2149813	19.168	ng	98
83) Chrysene	21.357	228	1803823m	16.591	ng	
87) Indeno(1,2,3-cd)pyrene	26.245	276	1288890	8.612	ng	# 95
88) Benzo(b)fluoranthene	22.998	252	2496599	20.583	ng	99
89) Benzo(k)fluoranthene	23.045	252	992633m	8.454	ng	
90) Benzo(a)pyrene	23.627	252	1836768	15.689	ng	98
91) Dibenzo(a,h)anthracene	26.251	278	337931m	2.655	ng	
92) Benzo(g,h,i)perylene	27.015	276	1184006	9.529	ng	99

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

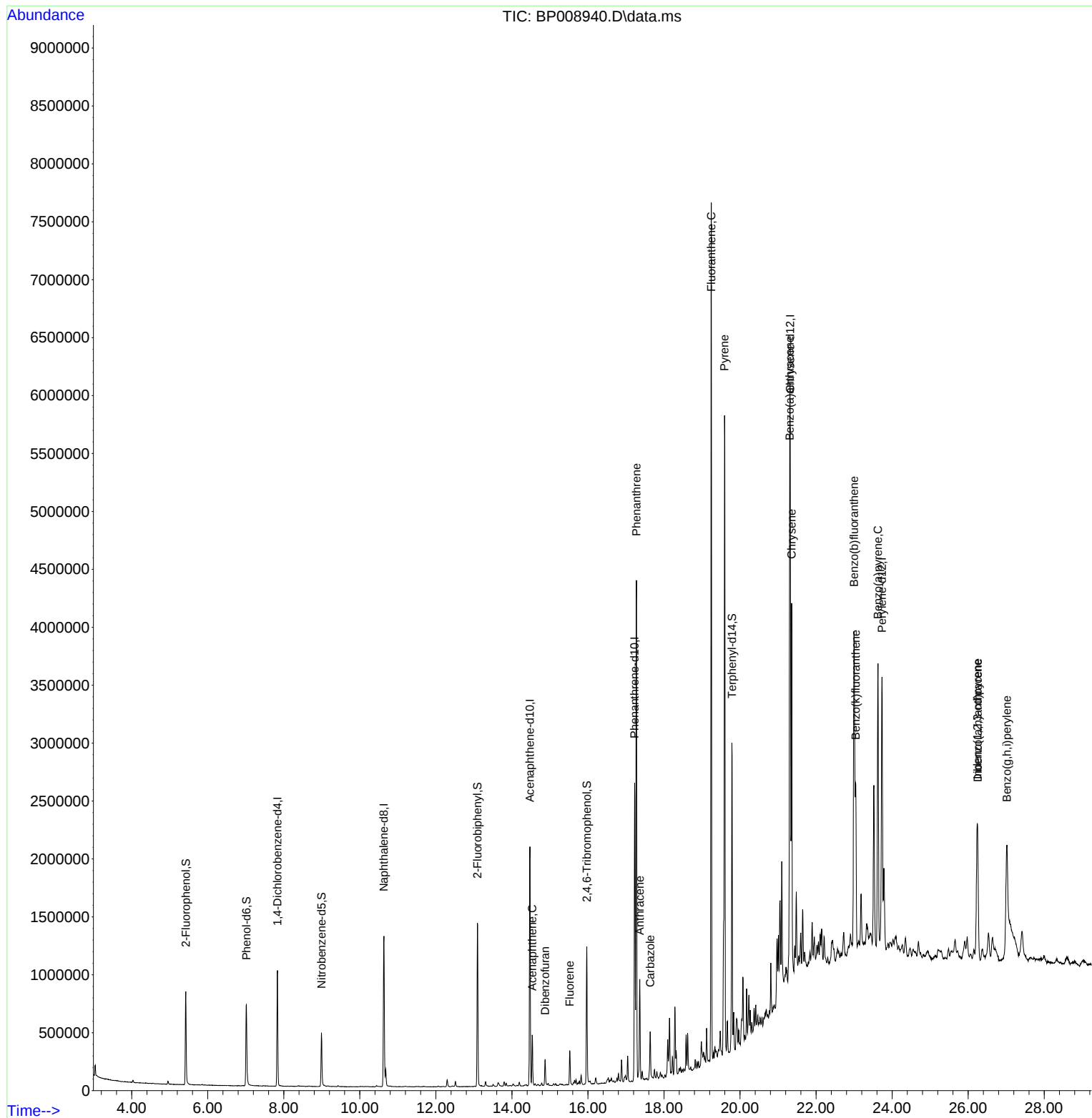
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012622\
Data File : BP008940.D
Acq On : 26 Jan 2022 21:06
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ALS Vial : 20 Sample Multiplier: 1

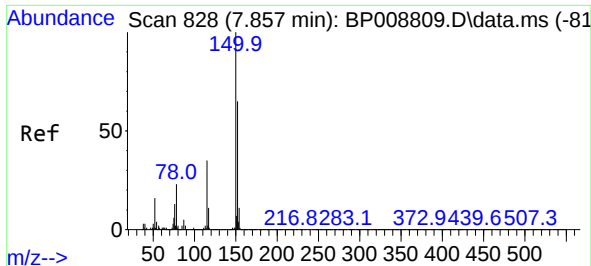
Instrument :
BNA_P
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SB-4(0.5-1)DL

Quant Time: Jan 27 05:24:32 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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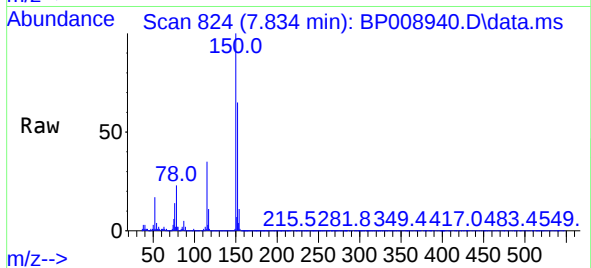
Reviewed By : Christian Giraldo 01/27/2022
Supervised By : mohammad ahmed 01/31/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.834 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

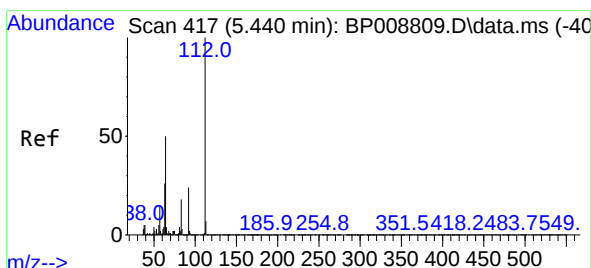
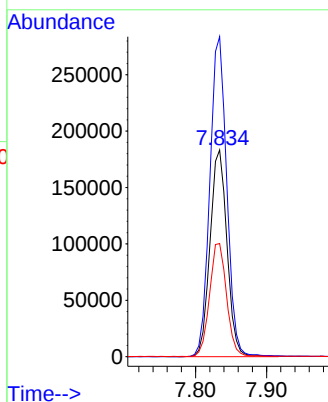
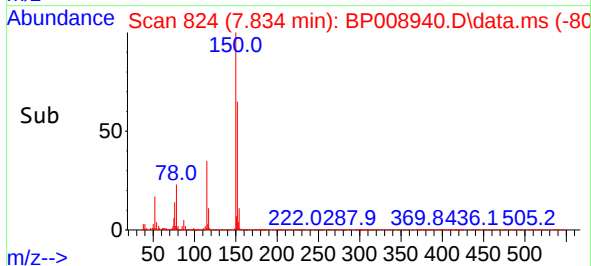
Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)DL



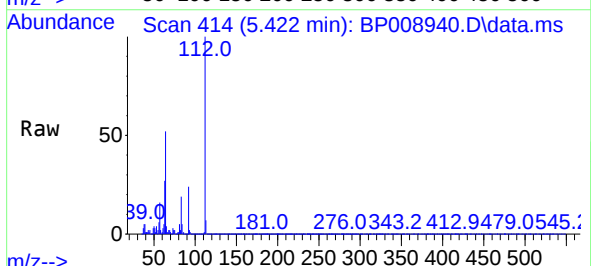
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Ion Ratio Lower Upper
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150 154.8 127.0 190.6
115 54.7 43.7 65.5

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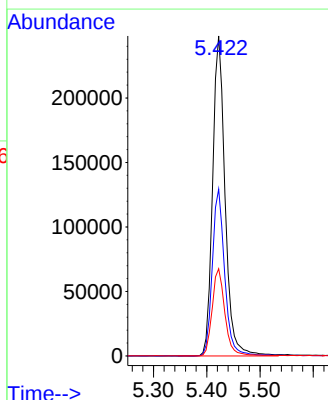
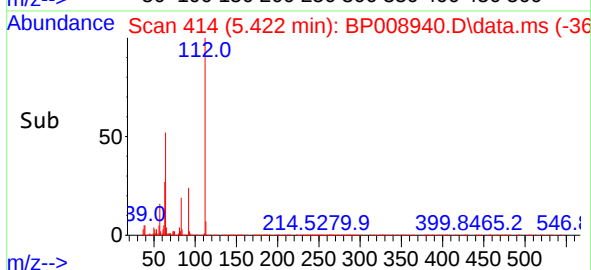
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022

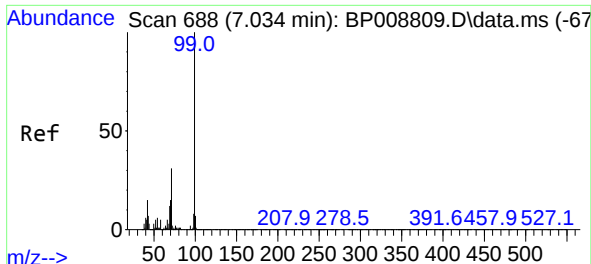


#5
2-Fluorophenol
Concen: 20.543 ng
RT: 5.422 min Scan# 414
Delta R.T. -0.006 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06



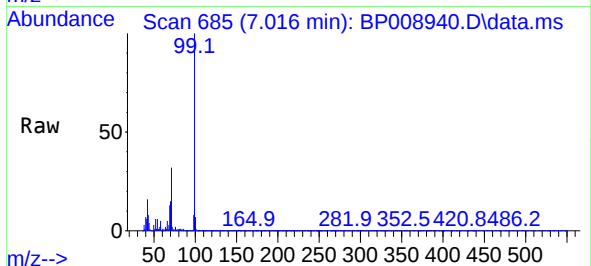
Tgt Ion:112 Resp: 404462
Ion Ratio Lower Upper
112 100
64 52.2 39.7 59.5
63 27.2 20.0 30.0





#7
Phenol-d6
Concen: 21.261 ng
RT: 7.016 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

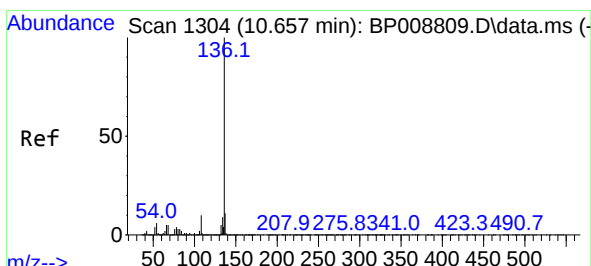
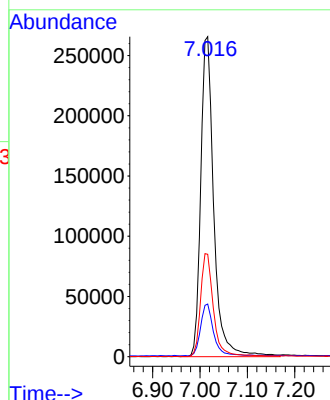
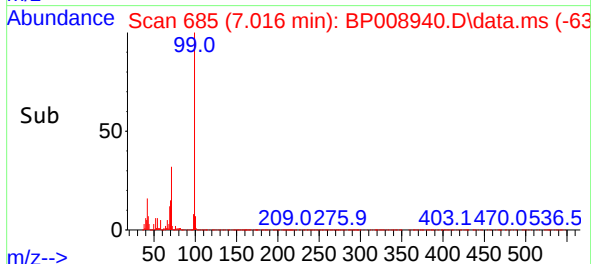
Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)DL



Tgt Ion: 99 Resp: 50691
Ion Ratio Lower Upper
99 100
42 16.4 10.8 16.2
71 32.0 23.8 35.6

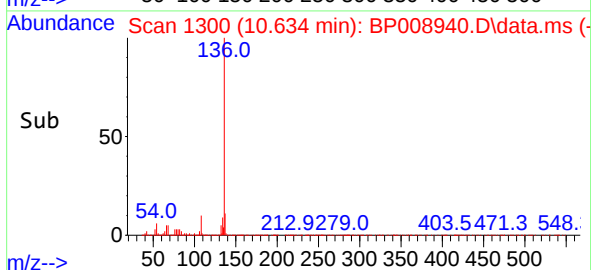
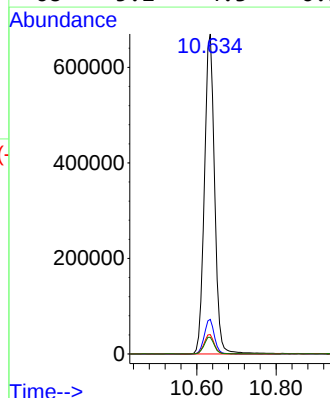
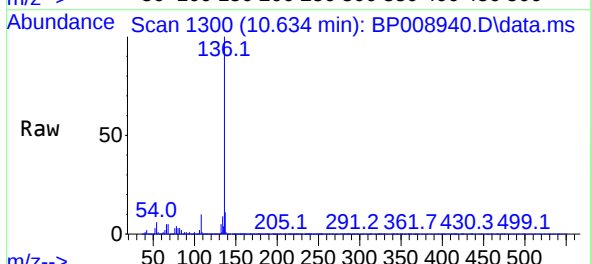
Manual Integrations
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Supervised By :mohammad ahmed 01/31/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.634 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Tgt Ion:136 Resp: 1192722
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 6.1 4.9 7.3
68 5.2 4.3 6.5





#23
Nitrobenzene-d5
Concen: 14.693 ng
RT: 8.993 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Instrument :

BNA_P

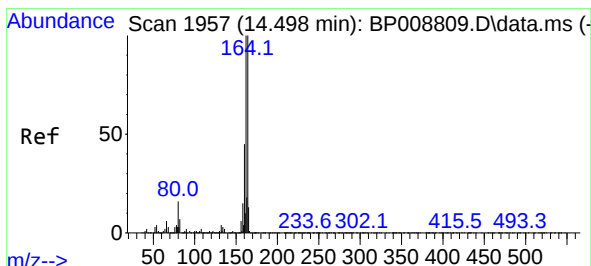
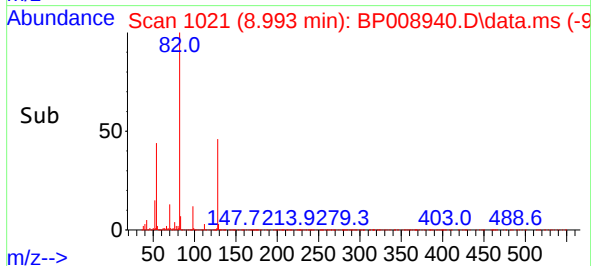
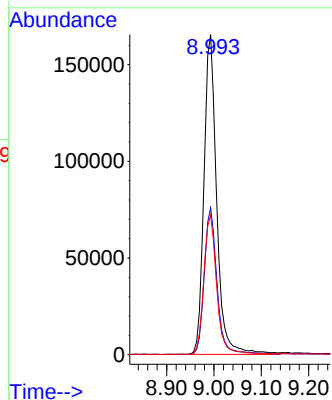
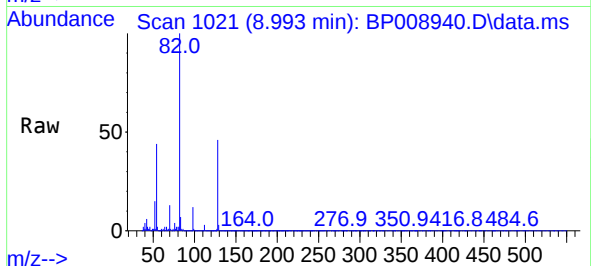
ClientSampleId :

SB-4(0.5-1)DL

Tgt Ion: 82 Resp: 30868
Ion Ratio Lower Upper
82 100
128 45.8 39.4 59.2
54 43.7 32.6 48.8

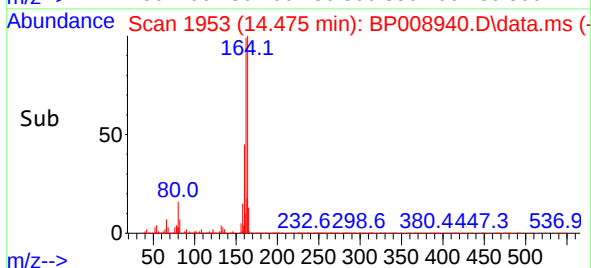
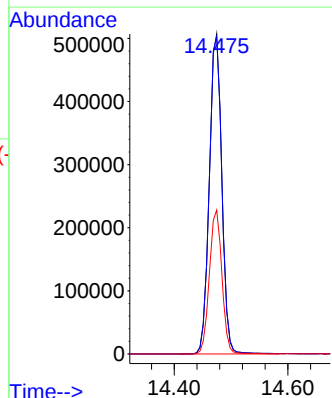
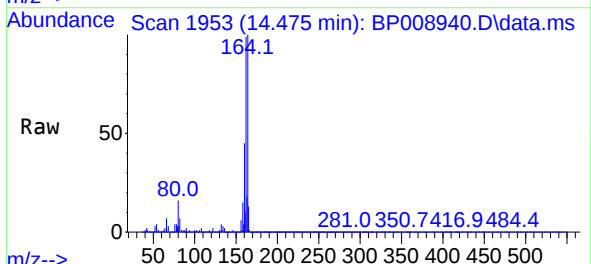
Manual Integrations
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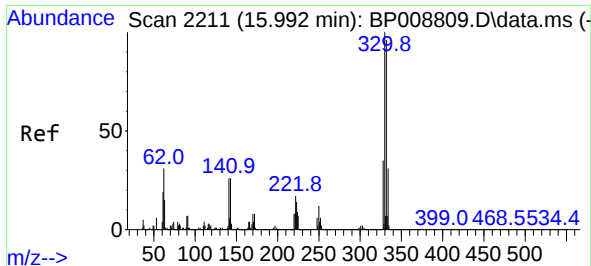
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Tgt Ion:164 Resp: 767883
Ion Ratio Lower Upper
164 100
162 99.1 79.9 119.9
160 44.9 35.5 53.3





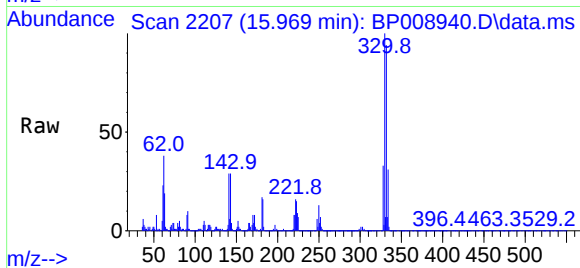
#42
2,4,6-Tribromophenol
Concen: 21.585 ng
RT: 15.969 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Instrument :

BNA_P

ClientSampleId :

SB-4(0.5-1)DL

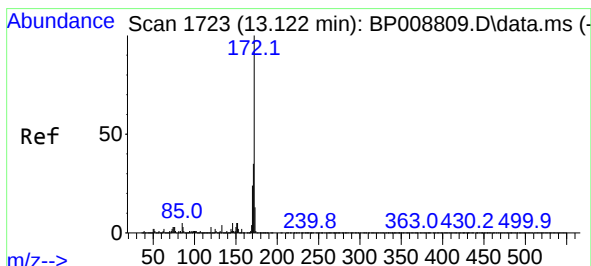
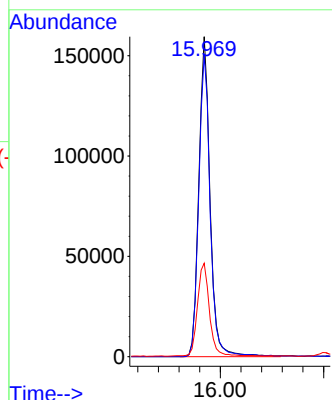
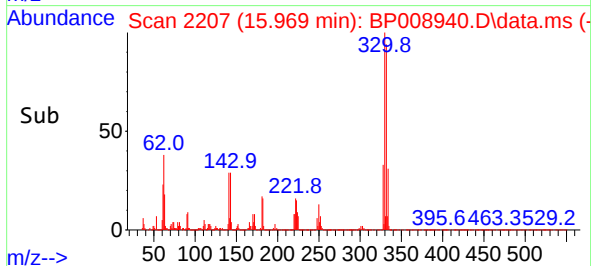


Tgt Ion:330 Resp: 241264
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.4
141 31.0 21.3 31.9

Manual Integrations

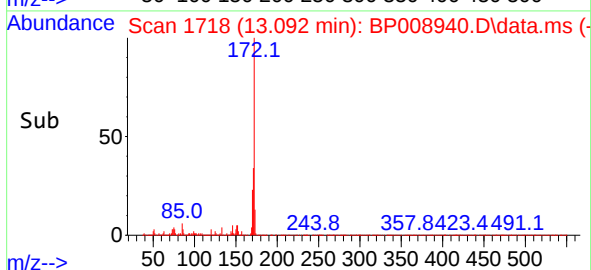
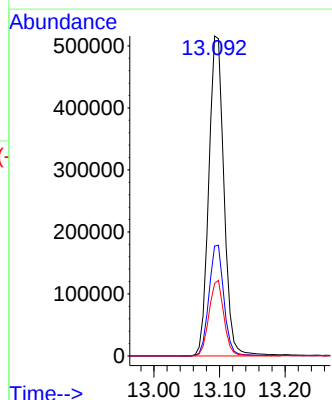
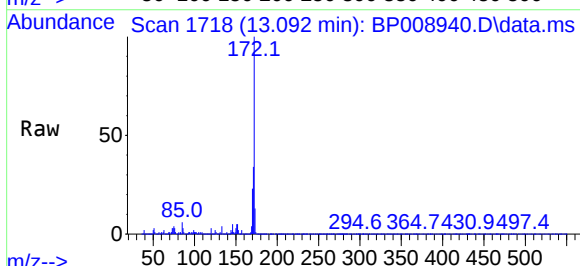
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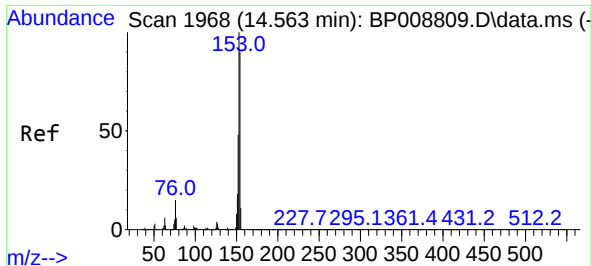
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#45
2-Fluorobiphenyl
Concen: 14.280 ng
RT: 13.092 min Scan# 1718
Delta R.T. -0.012 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Tgt Ion:172 Resp: 831487
Ion Ratio Lower Upper
172 100
171 34.4 29.3 43.9
170 22.6 19.5 29.3





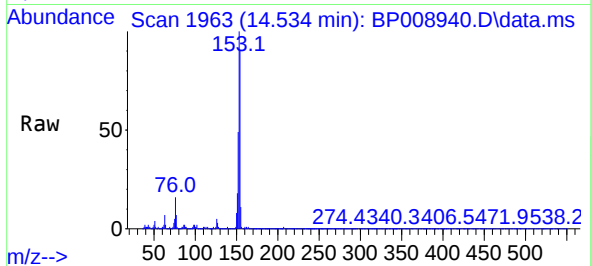
#52
Acenaphthene
Concen: 3.799 ng
RT: 14.534 min Scan# 1968
Delta R.T. -0.012 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Instrument :

BNA_P

ClientSampleId :

SB-4(0.5-1)DL

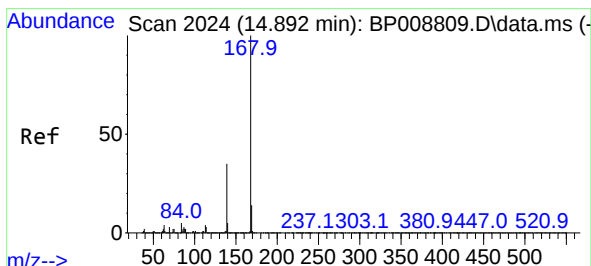
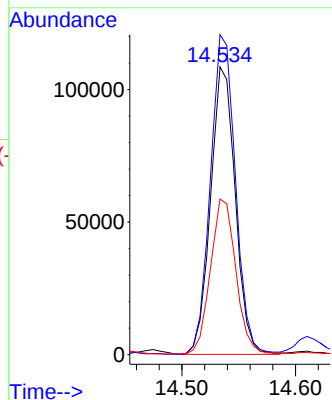
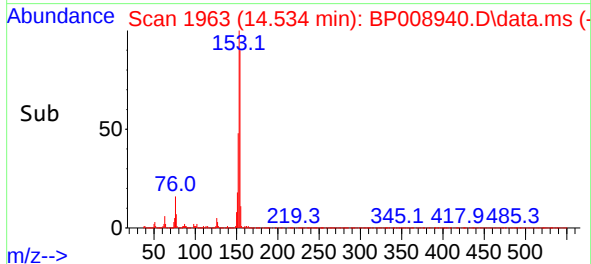


Tgt Ion:154 Resp: 16397
Ion Ratio Lower Upper
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153 111.2 89.4 134.2
152 54.1 42.6 63.8

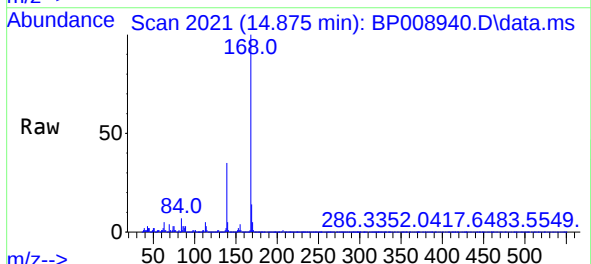
Manual Integrations

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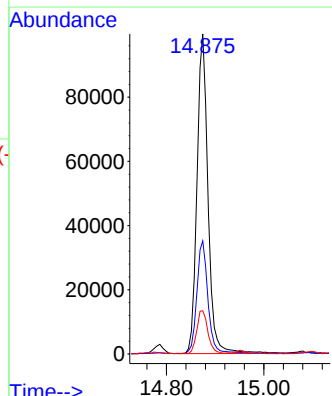
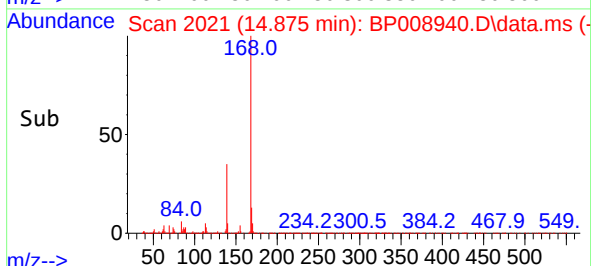
Reviewed By :Christian Giraldo 01/27/2022
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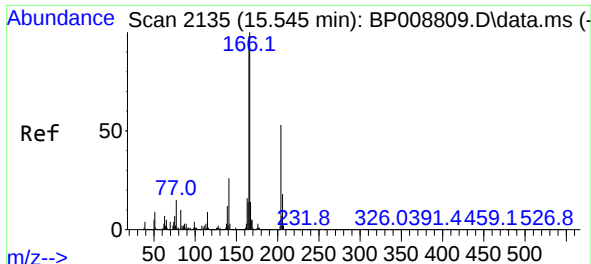


#55
Dibenzofuran
Concen: 2.238 ng
RT: 14.875 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06



Tgt Ion:168 Resp: 157427
Ion Ratio Lower Upper
168 100
139 35.3 27.4 41.0
169 13.5 10.9 16.3





#58
Fluorene
Concen: 2.617 ng
RT: 15.522 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Instrument :

BNA_P

ClientSampleId :

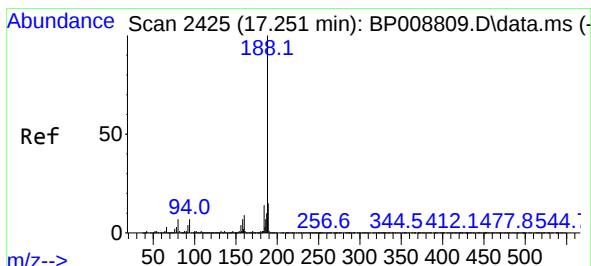
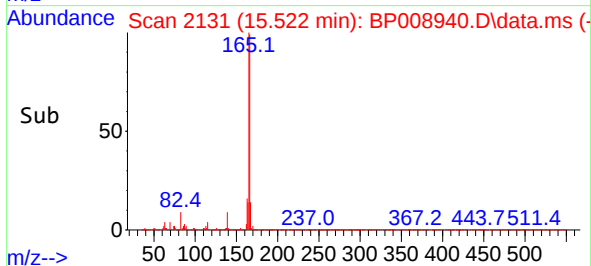
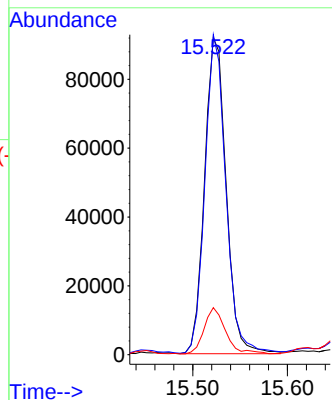
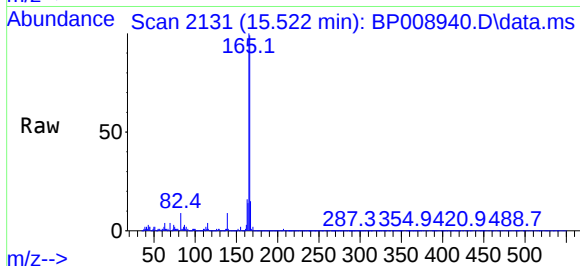
SB-4(0.5-1)DL

Tgt Ion:166 Resp: 145400
Ion Ratio Lower Upper
166 100
165 100.9 77.2 115.8
167 14.9 11.2 16.8

Manual Integrations

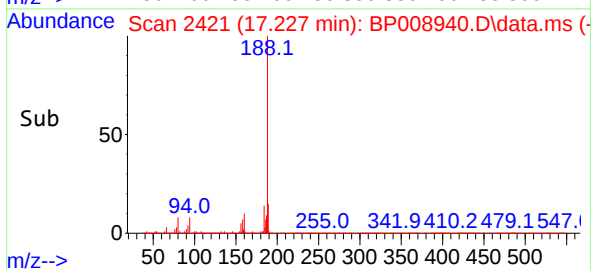
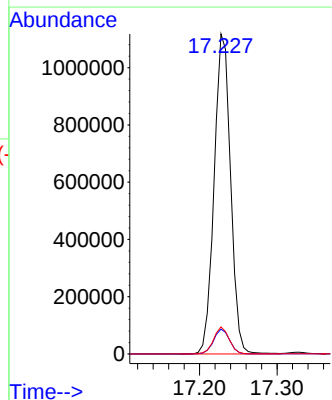
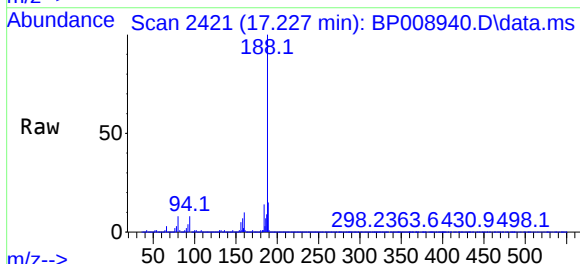
APPROVED

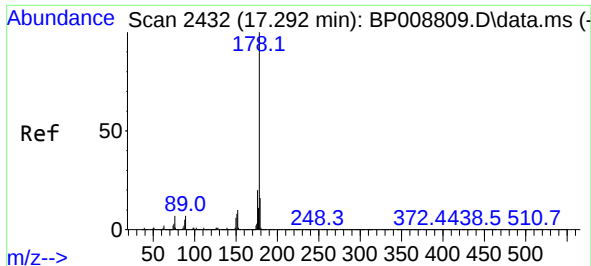
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Tgt Ion:188 Resp: 1642710
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 8.4 7.2 10.8





#71
Phenanthrene
Concen: 29.595 ng
RT: 17.275 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Instrument :

BNA_P

ClientSampleId :

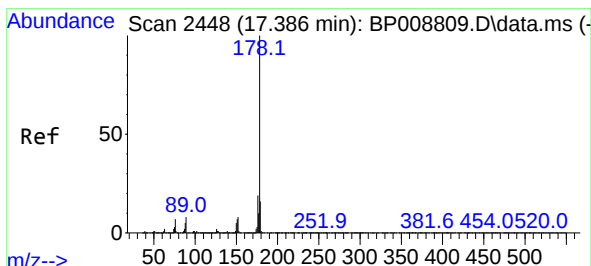
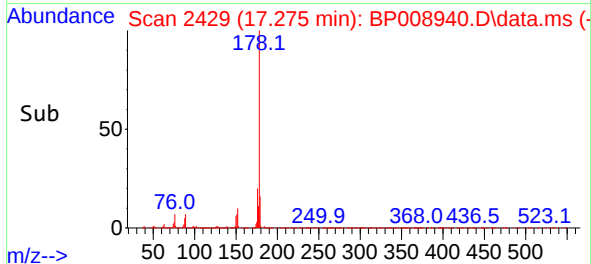
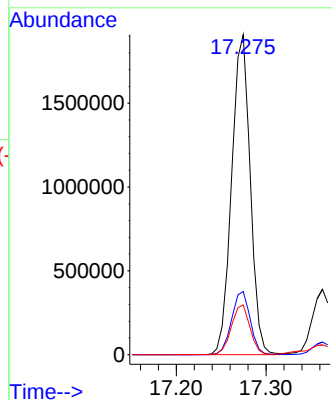
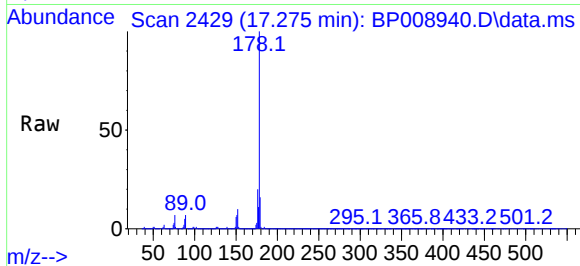
SB-4(0.5-1)DL

Tgt Ion:178 Resp: 273727
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.5 13.0 19.4

Manual Integrations

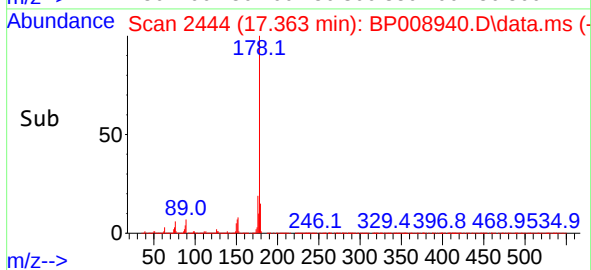
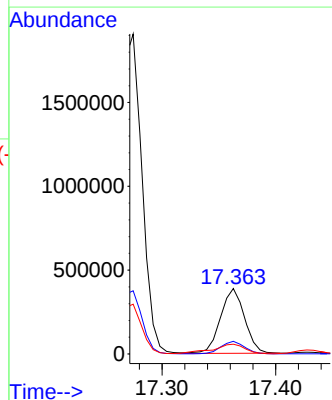
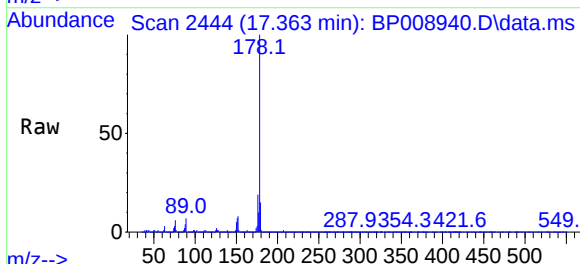
APPROVED

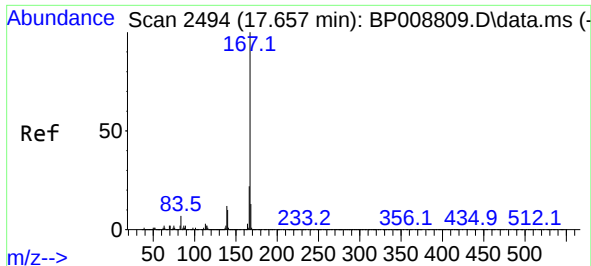
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#72
Anthracene
Concen: 6.139 ng
RT: 17.363 min Scan# 2444
Delta R.T. -0.012 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Tgt Ion:178 Resp: 569576
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.1 12.8 19.2





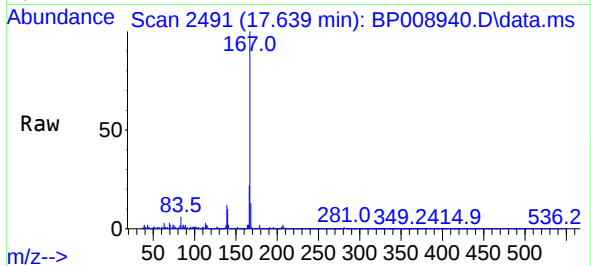
#73
 Carbazole
 Concen: 3.683 ng
 RT: 17.639 min Scan# 2491
 Delta R.T. -0.006 min
 Lab File: BP008940.D
 Acq: 26 Jan 2022 21:06

Instrument :

BNA_P

ClientSampleId :

SB-4(0.5-1)DL

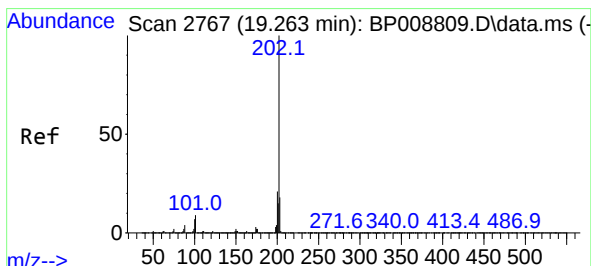
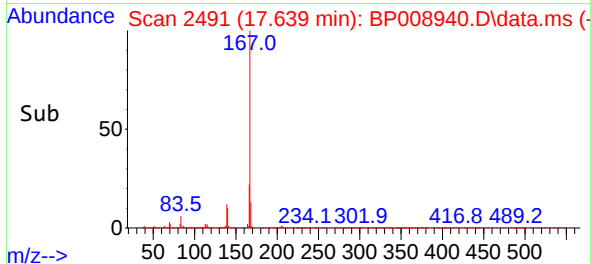
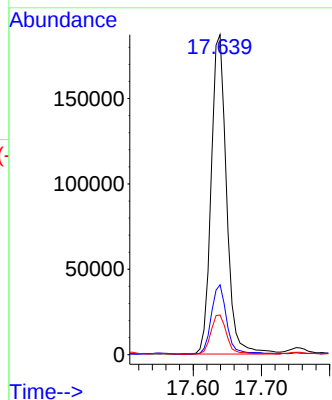


Tgt Ion:167 Resp: 293838
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.7 26.5
 139 12.4 9.8 14.6

Manual Integrations

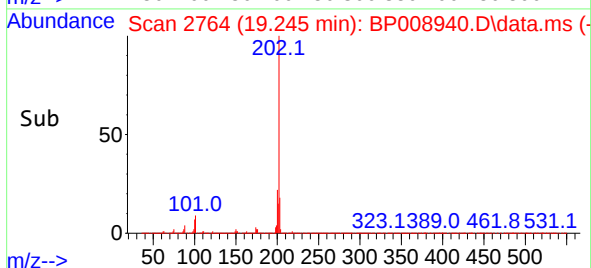
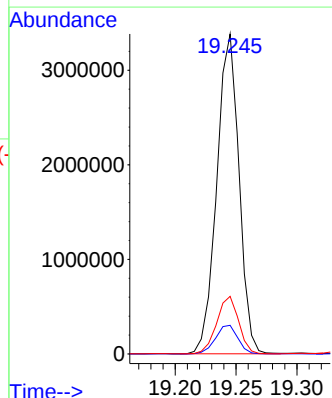
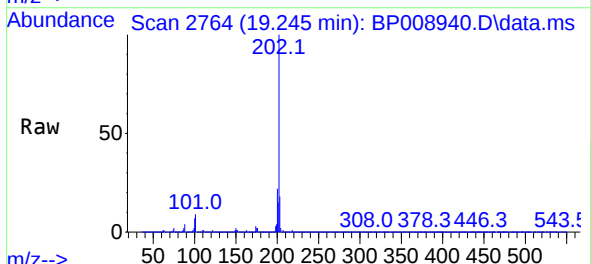
APPROVED

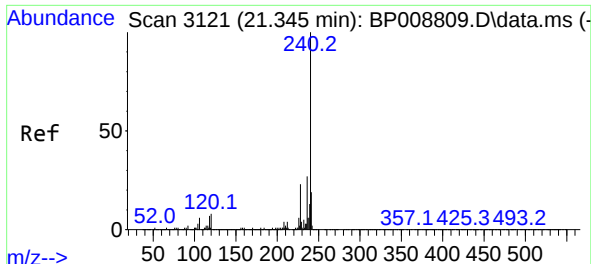
Reviewed By :Christian Giraldo 01/27/2022
 Supervised By :mohammad ahmed 01/31/2022



#75
 Fluoranthene
 Concen: 41.809 ng
 RT: 19.245 min Scan# 2764
 Delta R.T. -0.006 min
 Lab File: BP008940.D
 Acq: 26 Jan 2022 21:06

Tgt Ion:202 Resp: 4300235
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 30.7
 203 18.0 0.0 38.9





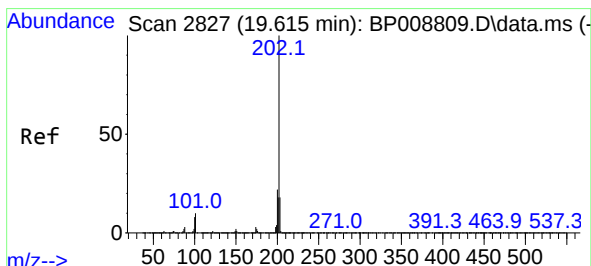
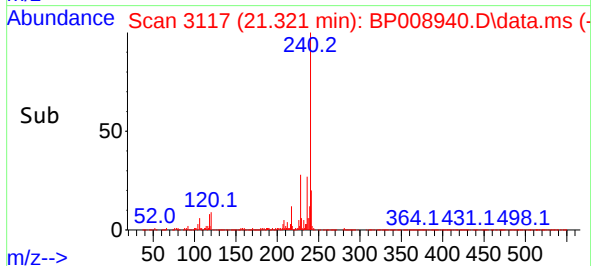
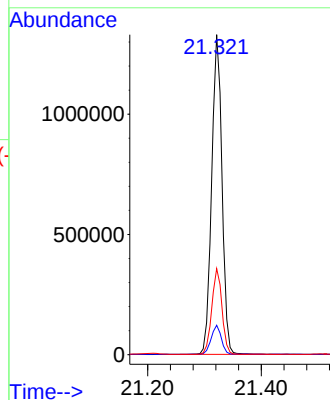
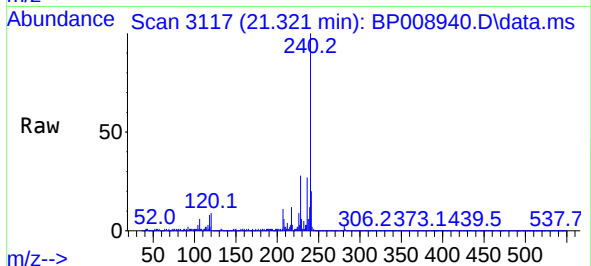
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.321 min Scan# 3117
Delta R.T. -0.012 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)DL

Tgt Ion:240 Resp: 1667144
Ion Ratio Lower Upper
240 100
120 9.2 7.7 11.5
236 26.9 21.2 31.8

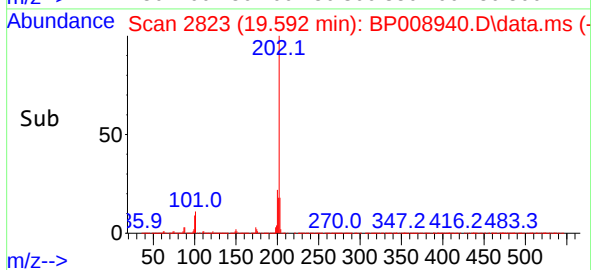
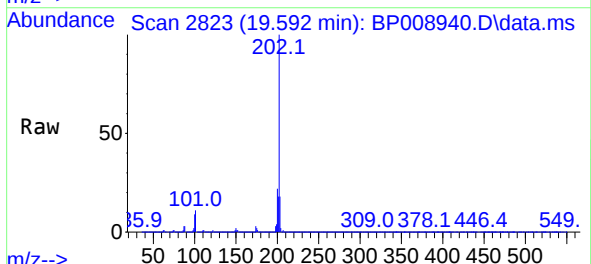
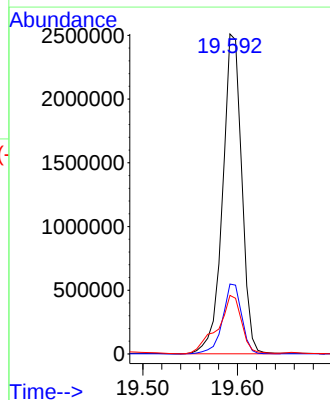
Manual Integrations
APPROVED

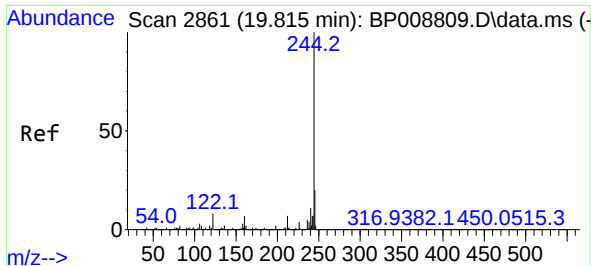
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#78
Pyrene
Concen: 30.188 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.012 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Tgt Ion:202 Resp: 3511611
Ion Ratio Lower Upper
202 100
200 21.9 18.0 27.0
203 18.3 15.0 22.6





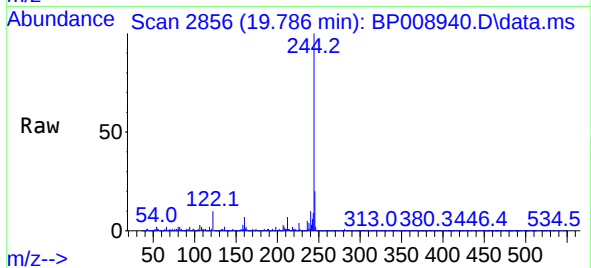
#79
 Terphenyl-d14
 Concen: 12.771 ng
 RT: 19.786 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BP008940.D
 Acq: 26 Jan 2022 21:06

Instrument :

BNA_P

ClientSampleId :

SB-4(0.5-1)DL

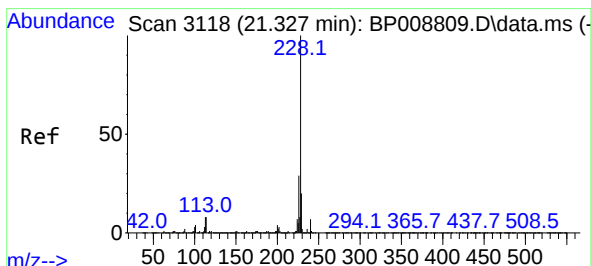
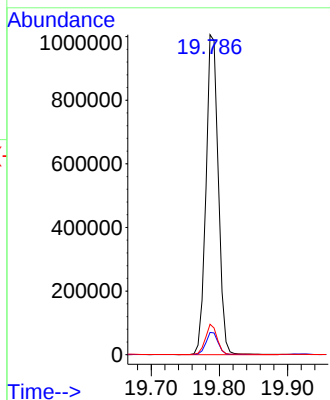
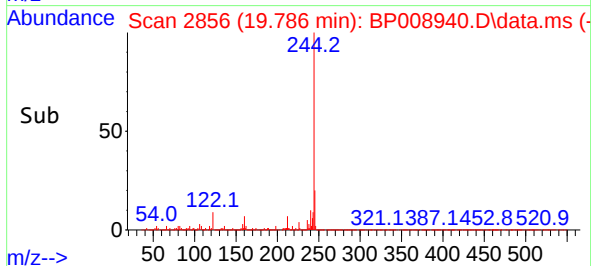


Tgt Ion:244 Resp: 1261349
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 9.5 9.2 13.8

Manual Integrations

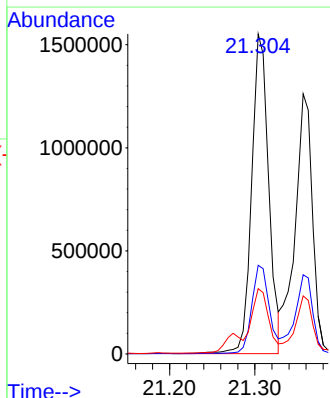
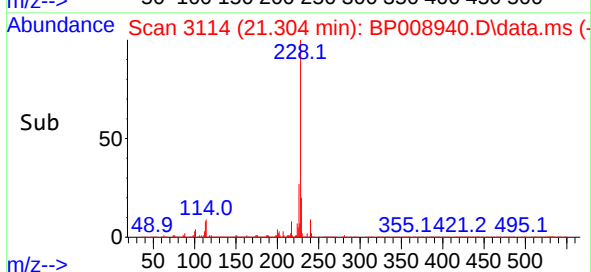
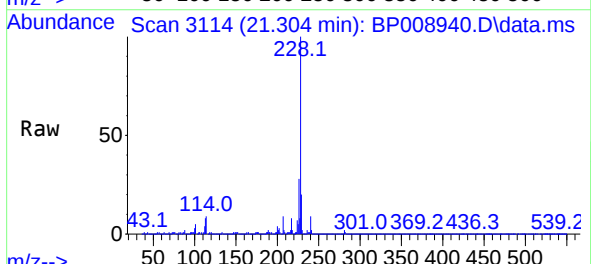
APPROVED

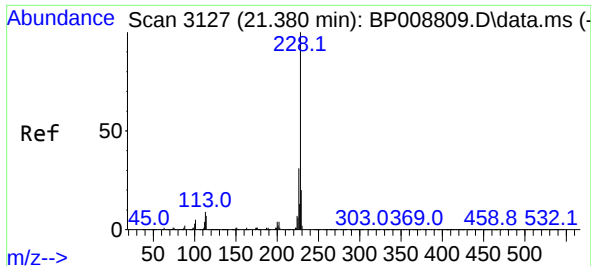
Reviewed By :Christian Giraldo 01/27/2022
 Supervised By :mohammad ahmed 01/31/2022



#81
 Benzo(a)anthracene
 Concen: 19.168 ng
 RT: 21.304 min Scan# 3114
 Delta R.T. -0.018 min
 Lab File: BP008940.D
 Acq: 26 Jan 2022 21:06

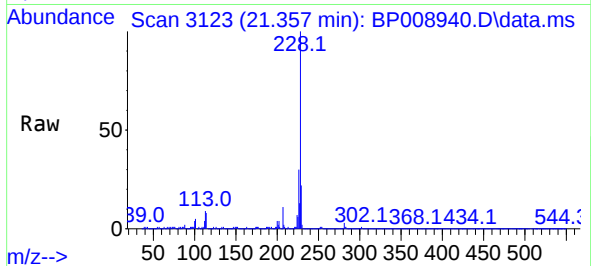
Tgt Ion:228 Resp: 2149813
 Ion Ratio Lower Upper
 228 100
 226 27.7 23.3 34.9
 229 20.4 17.0 25.6





#83
Chrysene
Concen: 16.591 ng m
RT: 21.357 min Scan# 3127
Delta R.T. -0.012 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

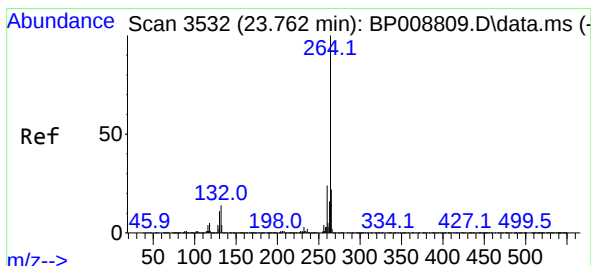
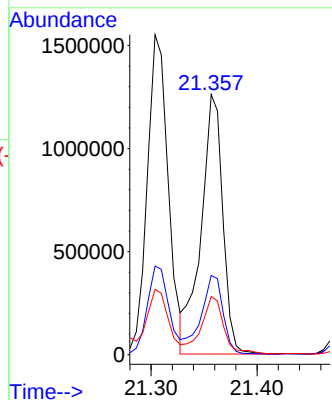
Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)DL



Tgt Ion:228 Resp: 180382
Ion Ratio Lower Upper
228 100
226 30.5 26.0 39.0
229 22.3 16.9 25.3

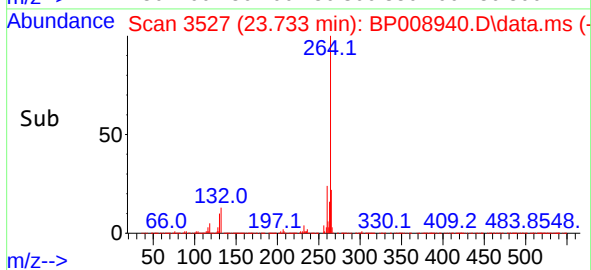
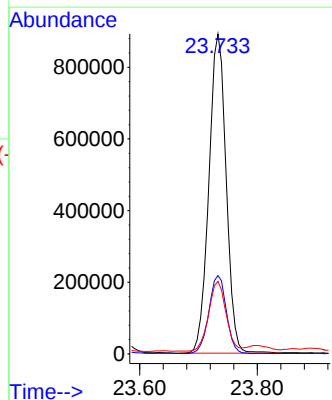
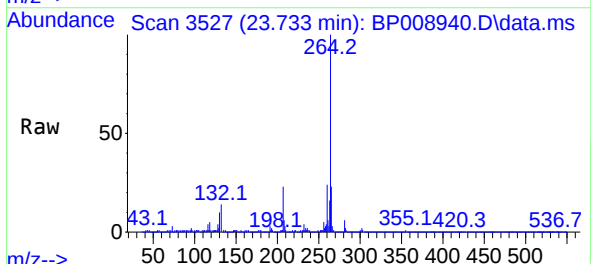
Manual Integrations
APPROVED

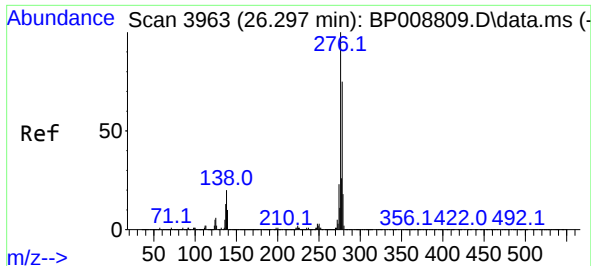
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.733 min Scan# 3527
Delta R.T. -0.018 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Tgt Ion:264 Resp: 1816245
Ion Ratio Lower Upper
264 100
260 24.5 19.1 28.7
265 22.7 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.612 ng
RT: 26.245 min Scan# 3954
Delta R.T. -0.035 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Instrument :

BNA_P

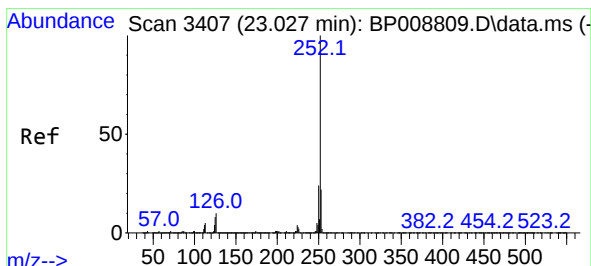
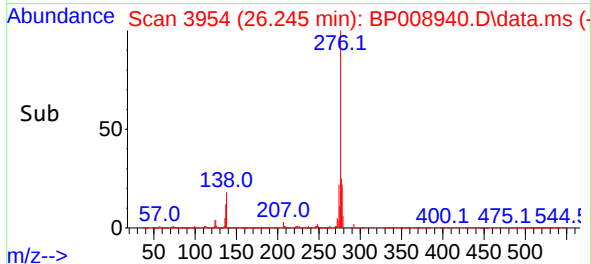
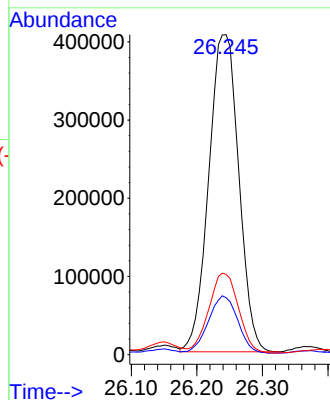
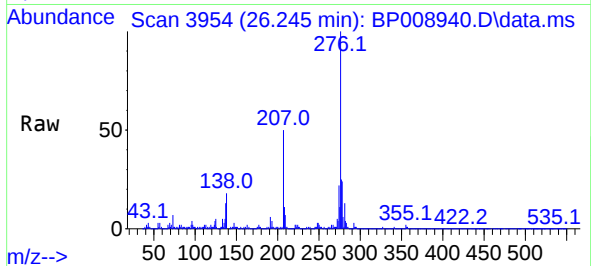
ClientSampleId :

SB-4(0.5-1)DL

Tgt Ion:276 Resp: 1288890
Ion Ratio Lower Upper
276 100
138 17.7 17.8 26.6
277 24.9 20.4 30.6

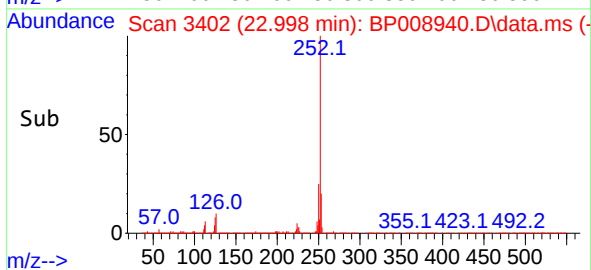
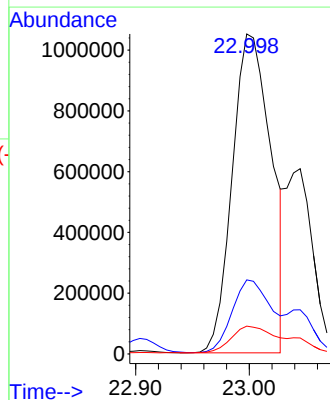
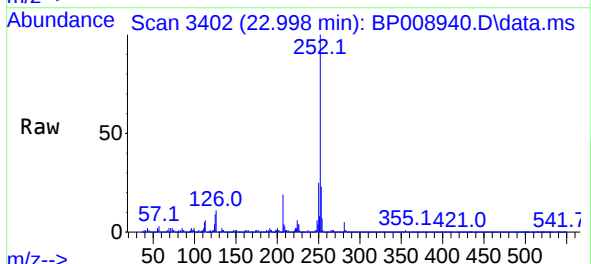
Manual Integrations
APPROVED

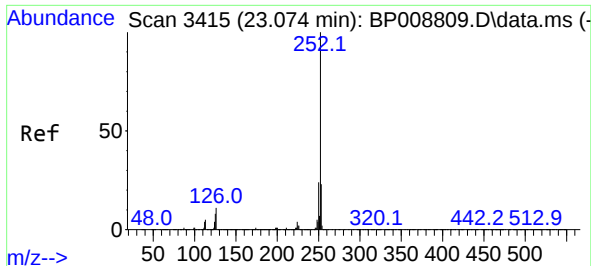
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#88
Benzo(b)fluoranthene
Concen: 20.583 ng
RT: 22.998 min Scan# 3402
Delta R.T. -0.018 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Tgt Ion:252 Resp: 2496599
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 8.7 6.9 10.3





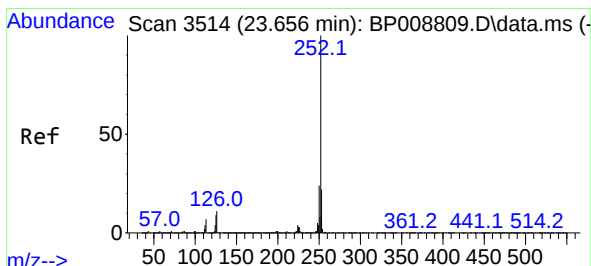
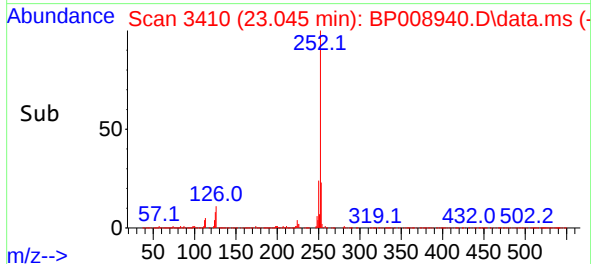
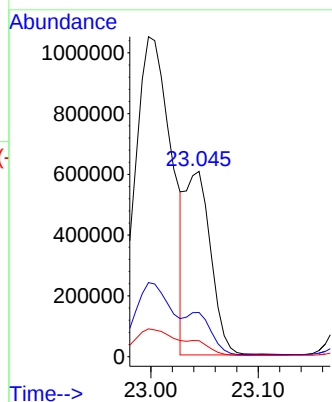
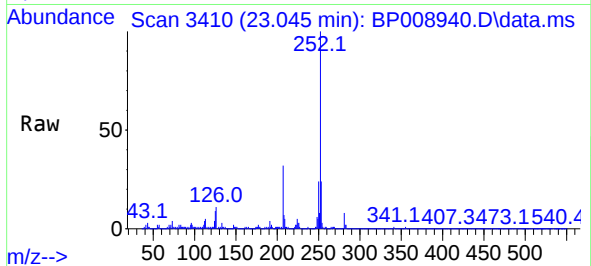
#89
Benzo(k)fluoranthene
Concen: 8.454 ng m
RT: 23.045 min Scan# 3415
Delta R.T. -0.018 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Instrument :
BNA_P
ClientSampleId :
SB-4(0.5-1)DL

Tgt Ion:252 Resp: 99263
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 8.6 7.3 10.9

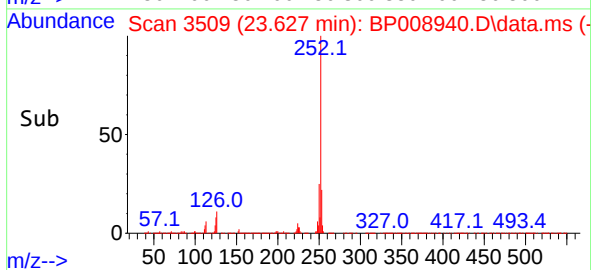
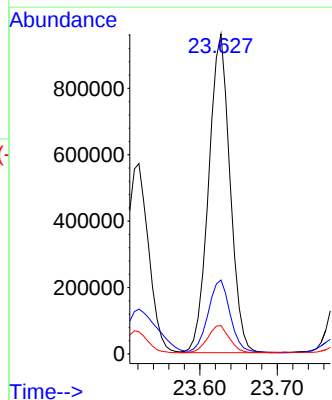
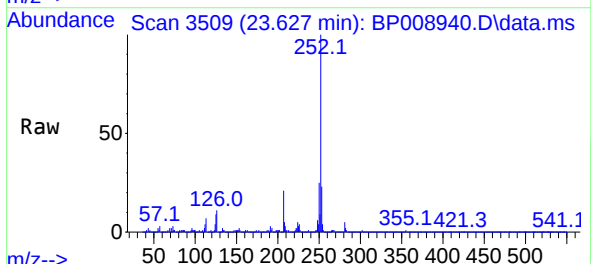
Manual Integrations
APPROVED

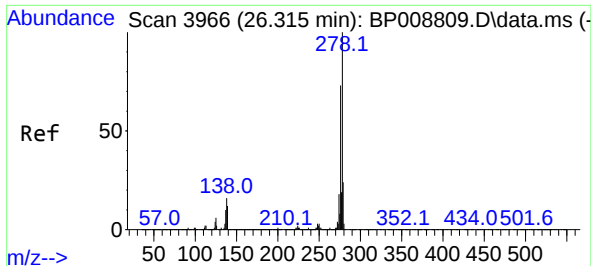
Reviewed By :Christian Giraldo 01/27/2022
Supervised By :mohammad ahmed 01/31/2022



#90
Benzo(a)pyrene
Concen: 15.689 ng
RT: 23.627 min Scan# 3509
Delta R.T. -0.018 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Tgt Ion:252 Resp: 1836768
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 8.9 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 2.655 ng m
RT: 26.251 min Scan# 3966
Delta R.T. -0.047 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Instrument :

BNA_P

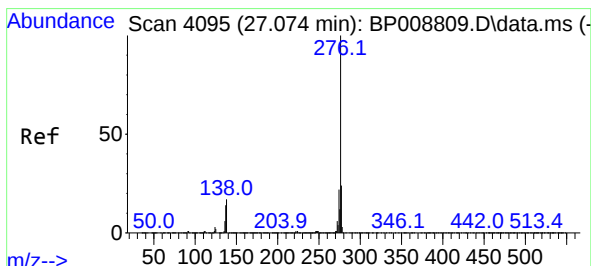
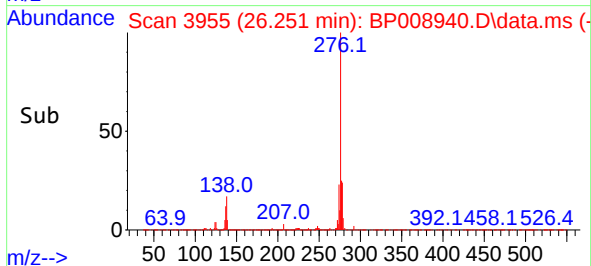
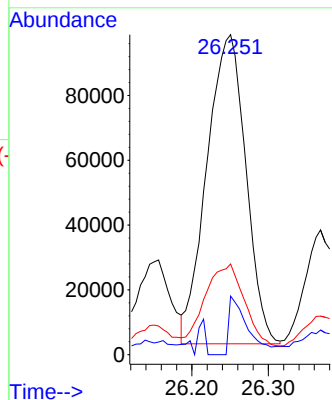
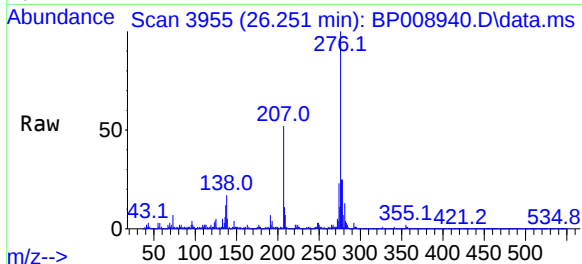
ClientSampleId :

SB-4(0.5-1)DL

Tgt Ion:278 Resp: 33793
Ion Ratio Lower Upper
278 100
139 18.3 11.5 17.3
279 28.3 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: 9.529 ng
RT: 27.015 min Scan# 4085
Delta R.T. -0.035 min
Lab File: BP008940.D
Acq: 26 Jan 2022 21:06

Tgt Ion:276 Resp: 1184006
Ion Ratio Lower Upper
276 100
277 24.5 19.2 28.8
138 18.1 15.0 22.4

