

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008417.D
 Acq On : 15 Dec 2021 15:15
 Operator : CG/JU
 Sample : M5076-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SB-9-SB-22-C

Manual Integrations**APPROVED**

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

Quant Time: Dec 15 15:56:45 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	7.746	152	57283	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	203572	20.000	ng	0.00
39) Acenaphthene-d10	14.393	164	137597	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	293320	20.000	ng	# 0.00
76) Chrysene-d12	21.275	240	334439	20.000	ng	0.00
86) Perylene-d12	23.639	264	379059	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	194075	53.505	ng	0.00
7) Phenol-d6	6.940	99	288538	59.228	ng	0.00
23) Nitrobenzene-d5	8.911	82	214988	44.741	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	79855	39.491	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	415663	38.401	ng	0.00
79) Terphenyl-d14	19.733	244	704293	36.651	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.587	128	27307	2.558	ng	99
37) 2-Methylnaphthalene	12.210	142	62354	8.475	ng	96
38) 1-Methylnaphthalene	12.428	142	54259	7.575	ng	99
49) Acenaphthylene	14.122	152	44576	3.576	ng	# 90
52) Acenaphthene	14.457	154	93329	12.588	ng	97
55) Dibenzofuran	14.798	168	28989	2.298	ng	# 68
58) Fluorene	15.451	166	92150	9.424	ng	# 99
71) Phenanthrene	17.210	178	3295450	207.405	ng	100
72) Anthracene	17.298	178	533700	34.045	ng	99
75) Fluoranthene	19.192	202	3401232	189.604	ng	98
78) Pyrene	19.551	202	6188058	258.613	ng	98
81) Benzo(a)anthracene	21.257	228	2600345	116.018	ng	99
83) Chrysene	21.310	228	2366733	110.547	ng	99
87) Indeno(1,2,3-cd)pyrene	26.110	276	839115	28.122	ng	# 94
88) Benzo(b)fluoranthene	22.933	252	1869813m	82.002	ng	
89) Benzo(k)fluoranthene	22.969	252	589551m	25.639	ng	
90) Benzo(a)pyrene	23.539	252	1564643m	79.058	ng	
91) Dibenzo(a,h)anthracene	26.115	278	339285	13.583	ng	98
92) Benzo(g,h,i)perylene	26.874	276	844757	34.153	ng	95

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

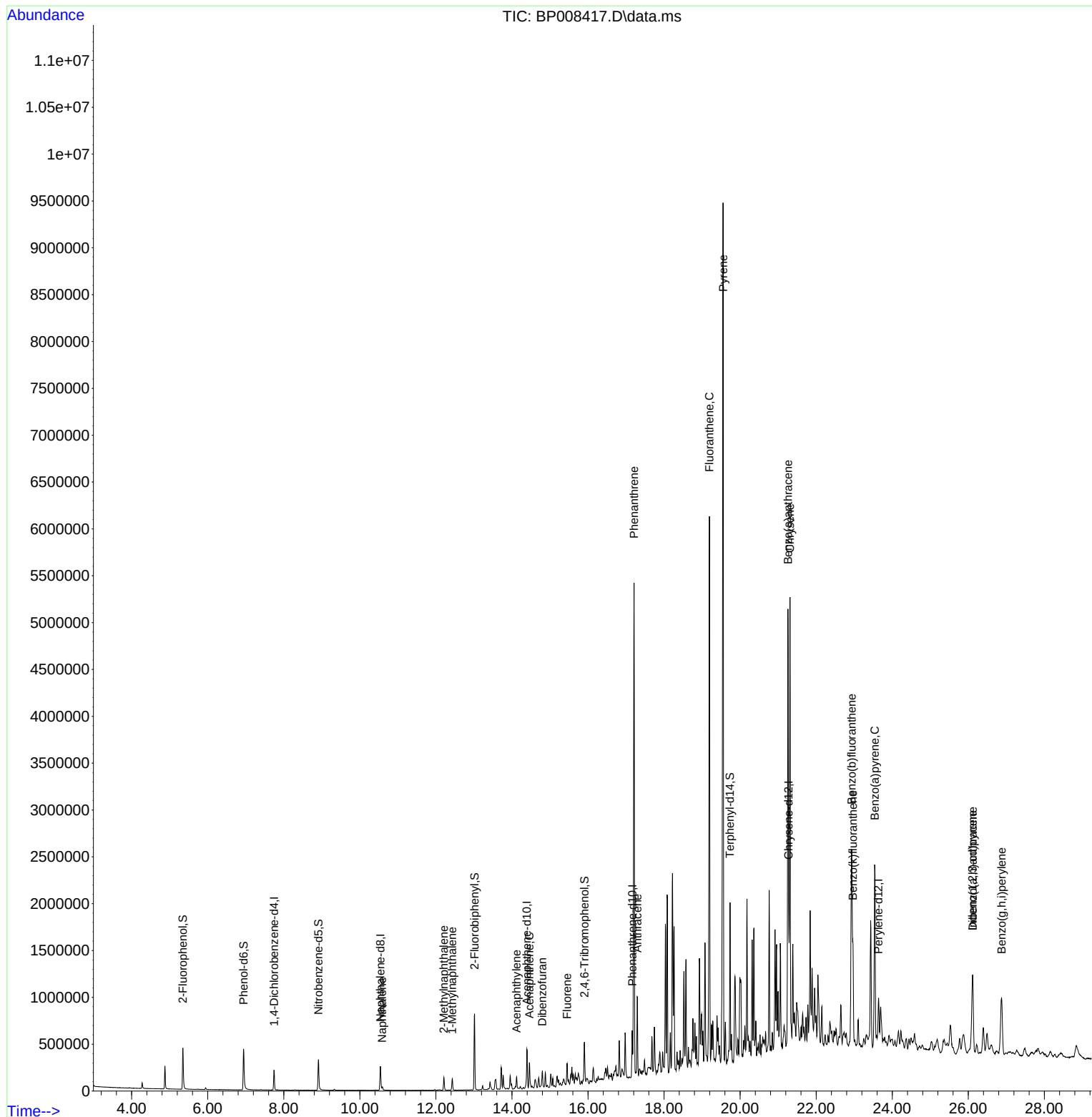
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008417.D
Acq On : 15 Dec 2021 15:15
Operator : CG/JU
Sample : M5076-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

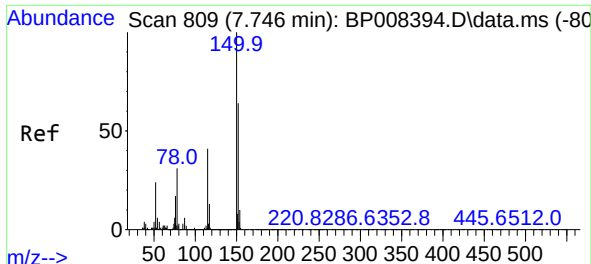
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-C

Quant Time: Dec 15 15:56:45 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
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Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/16/2021
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 809
Delta R.T. -0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Instrument :

BNA_P

ClientSampleId :

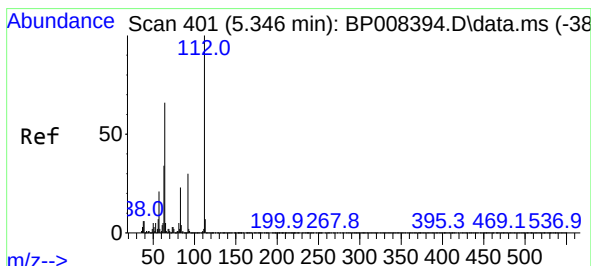
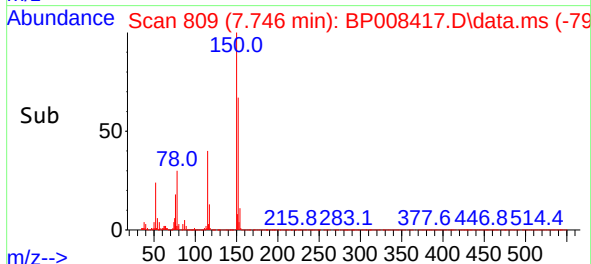
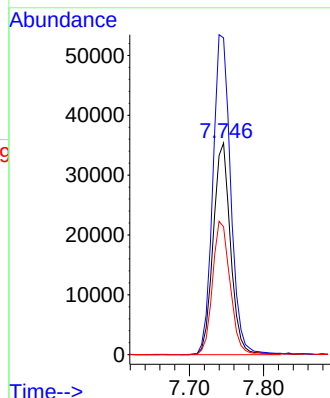
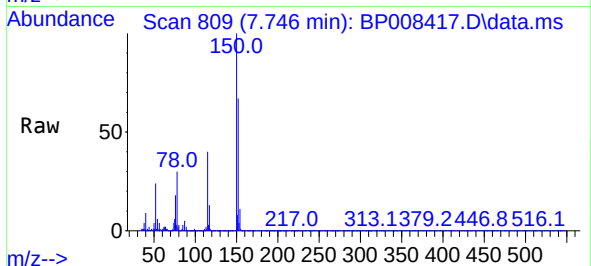
SB-9-SB-22-C

Tgt Ion:152 Resp: 5728
Ion Ratio Lower Upper
152 100
150 149.6 125.7 188.5
115 60.4 50.7 76.1

Manual Integrations

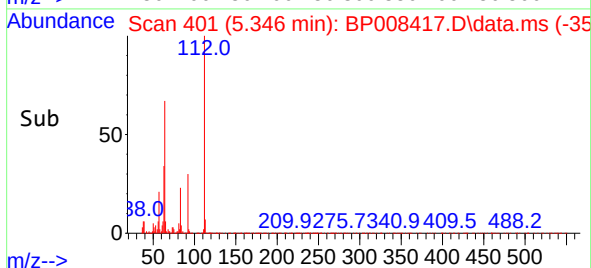
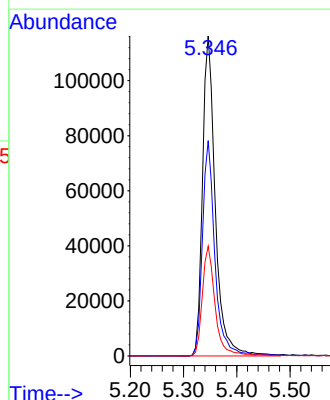
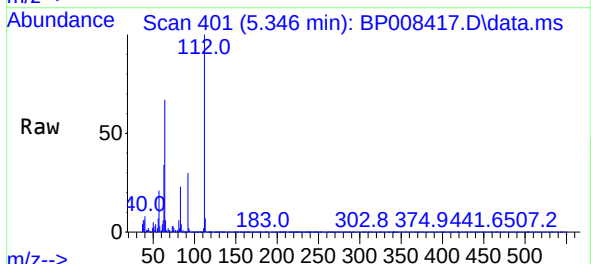
APPROVED

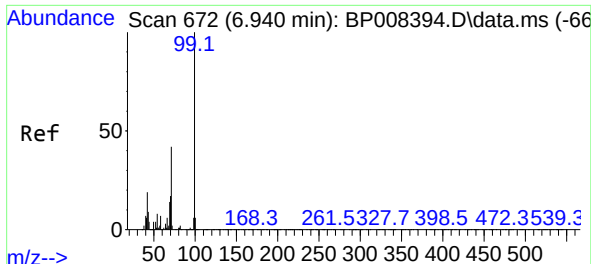
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#5
2-Fluorophenol
Concen: 53.505 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

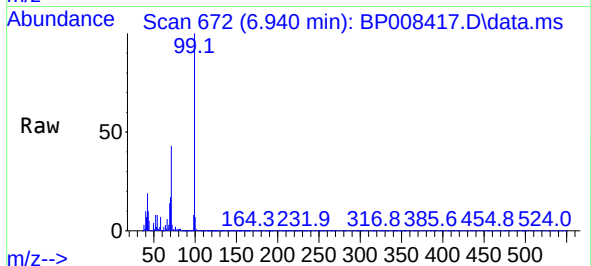
Tgt Ion:112 Resp: 194075
Ion Ratio Lower Upper
112 100
64 67.3 53.4 80.2
63 34.3 27.8 41.8





#7
Phenol-d6
Concen: 59.228 ng
RT: 6.940 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

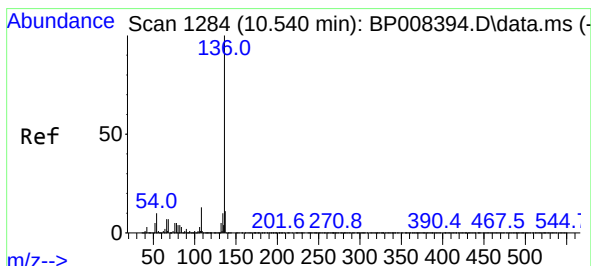
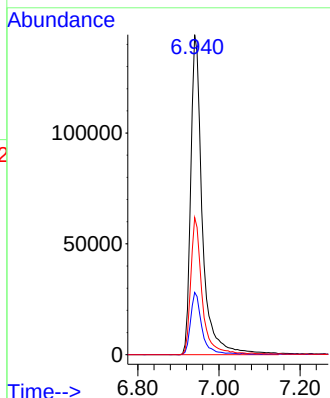
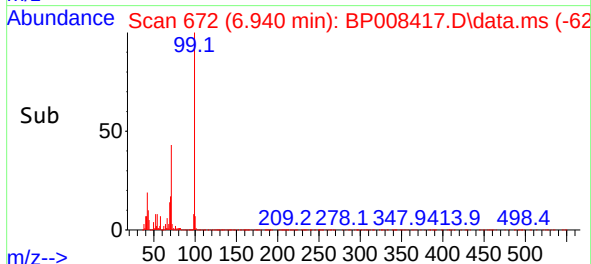
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-C



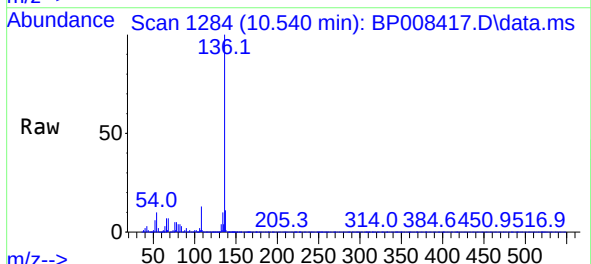
Tgt Ion: 99 Resp: 288538
Ion Ratio Lower Upper
99 100
42 19.5 14.6 22.0
71 42.9 31.1 46.7

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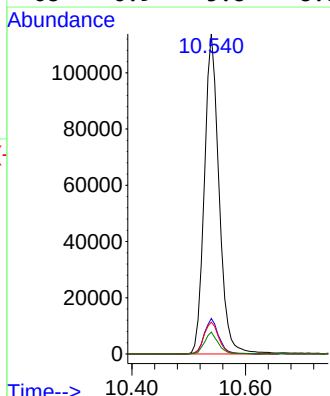
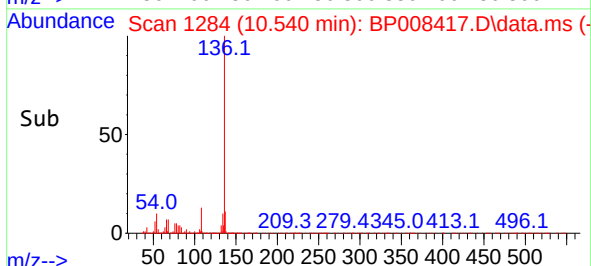
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021

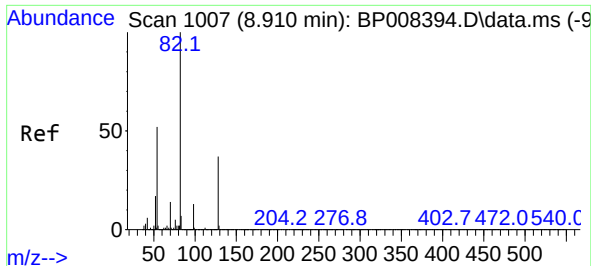


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15



Tgt Ion:136 Resp: 203572
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 10.0 8.2 12.4
68 6.9 5.8 8.8





#23

Nitrobenzene-d5

Concen: 44.741 ng

RT: 8.911 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BP008417.D

Acq: 15 Dec 2021 15:15

Instrument :

BNP_P

ClientSampleId :

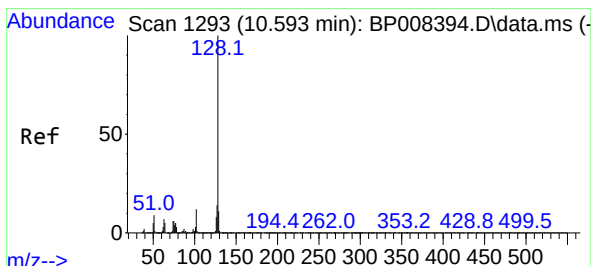
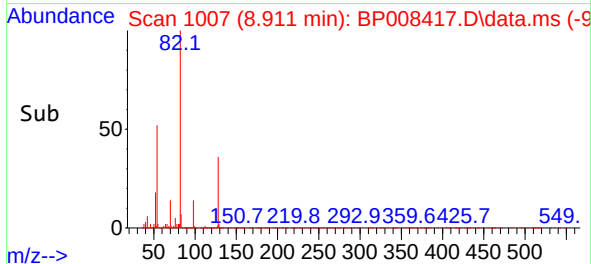
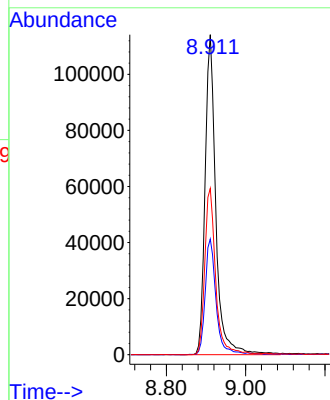
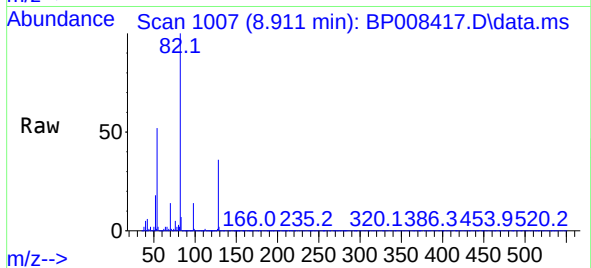
SB-9-SB-22-C

Tgt Ion:	82	Resp:	21498
Ion Ratio	Lower	Upper	
82	100		
128	36.2	29.6	44.4
54	51.9	42.7	64.1

Manual Integrations

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



#31

Naphthalene

Concen: 2.558 ng

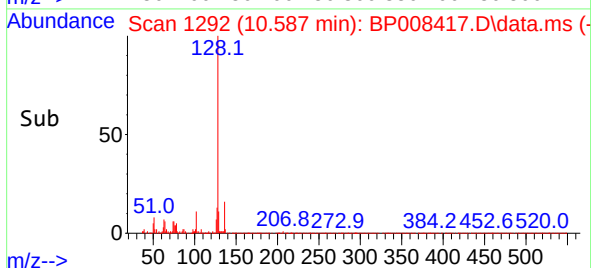
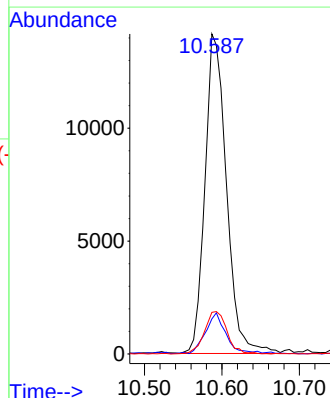
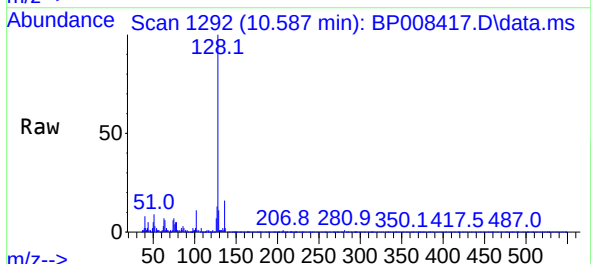
RT: 10.587 min Scan# 1292

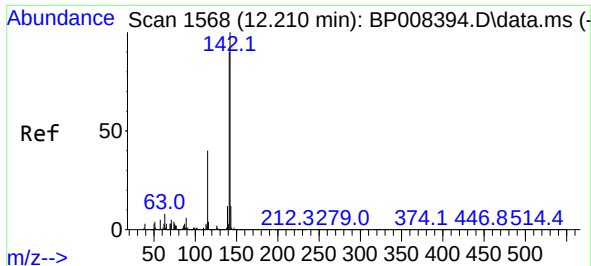
Delta R.T. -0.006 min

Lab File: BP008417.D

Acq: 15 Dec 2021 15:15

Tgt Ion:	128	Resp:	27307
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.5	12.7
127	13.0	10.9	16.3





#37
2-Methylnaphthalene
Concen: 8.475 ng
RT: 12.210 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Instrument :

BNA_P

ClientSampleId :

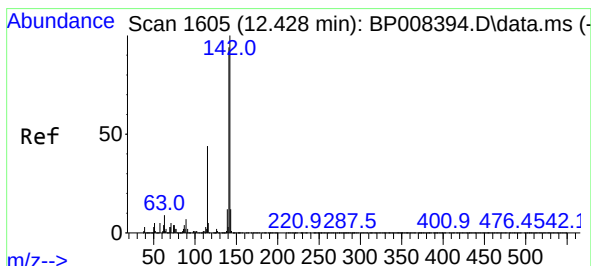
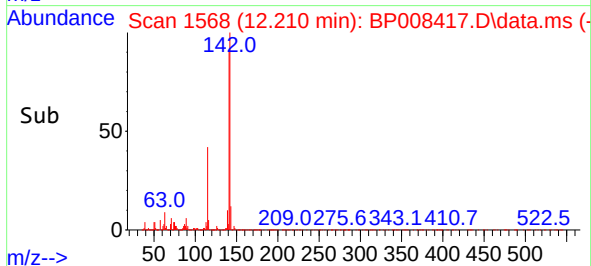
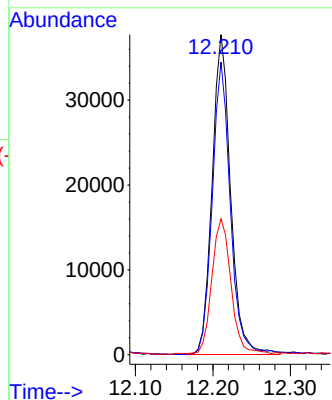
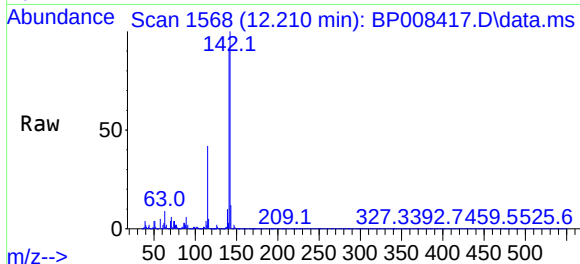
SB-9-SB-22-C

Tgt Ion:142 Resp: 62354
Ion Ratio Lower Upper
142 100
141 91.5 70.7 106.1
115 42.4 30.9 46.3

Manual Integrations

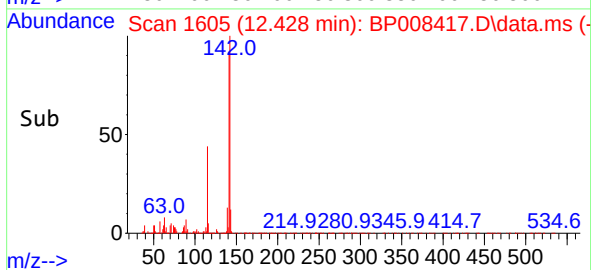
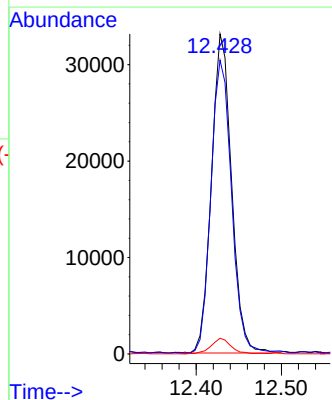
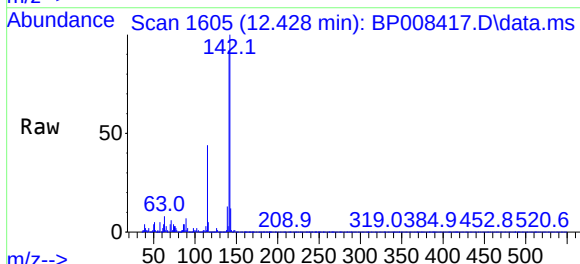
APPROVED

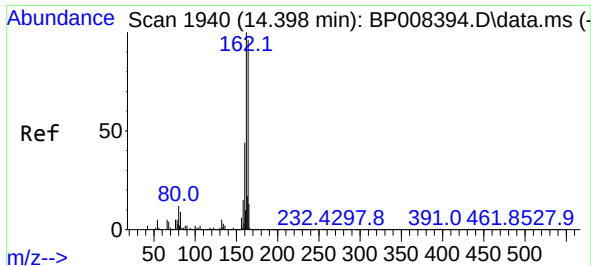
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#38
1-Methylnaphthalene
Concen: 7.575 ng
RT: 12.428 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:142 Resp: 54259
Ion Ratio Lower Upper
142 100
141 91.8 74.2 111.4
116 4.9 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.393 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Instrument :

BNA_P

ClientSampleId :

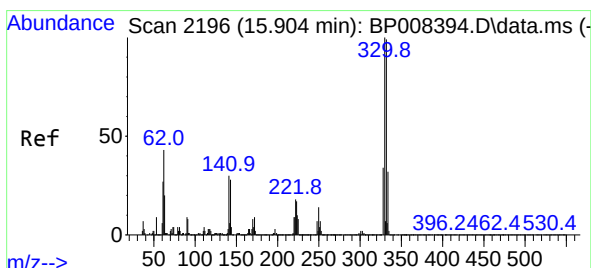
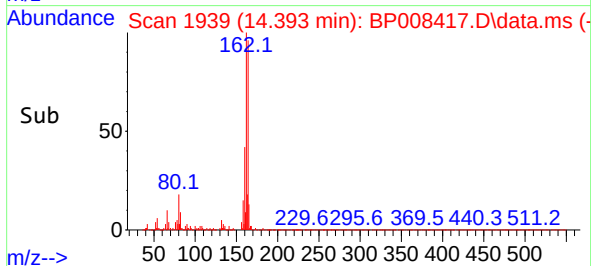
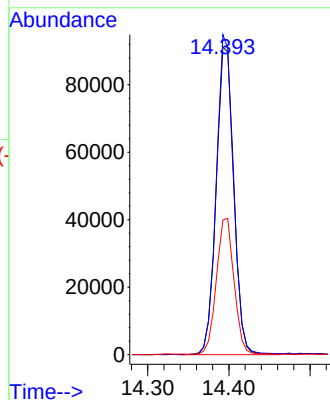
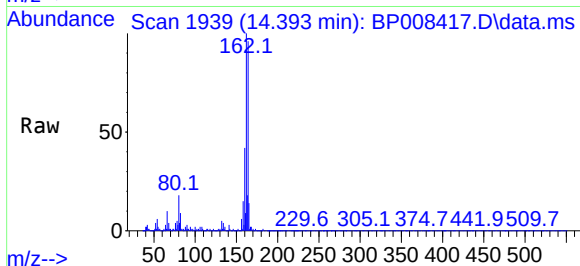
SB-9-SB-22-C

Tgt Ion:164 Resp: 13759
Ion Ratio Lower Upper
164 100
162 104.0 81.9 122.9
160 43.8 35.4 53.0

Manual Integrations

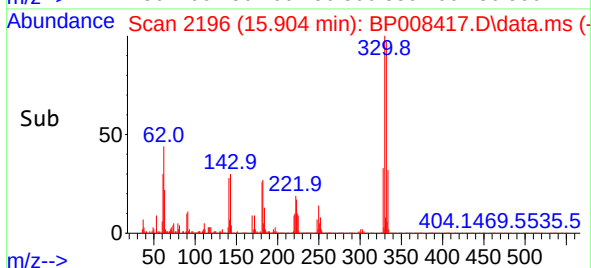
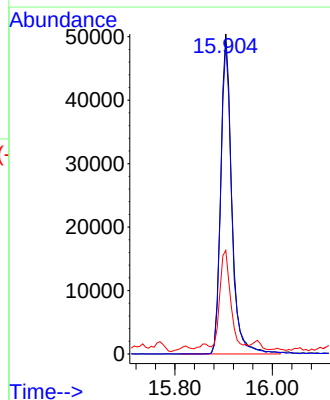
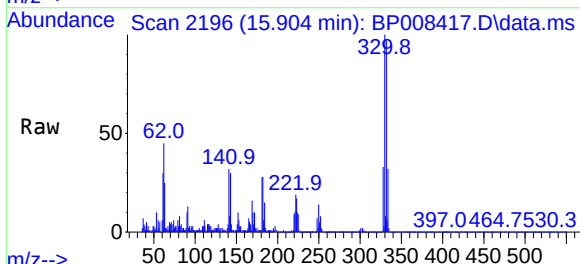
APPROVED

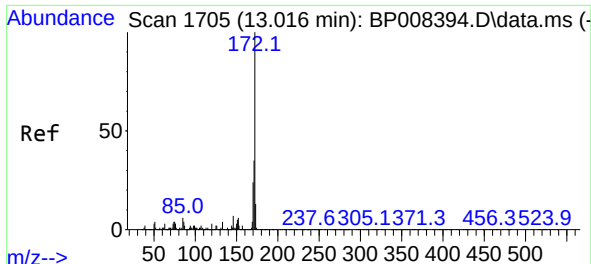
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#42
2,4,6-Tribromophenol
Concen: 39.491 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:330 Resp: 79855
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 31.2 28.4 42.6





#45
2-Fluorobiphenyl
Concen: 38.401 ng
RT: 13.016 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Instrument :

BNA_P

ClientSampleId :

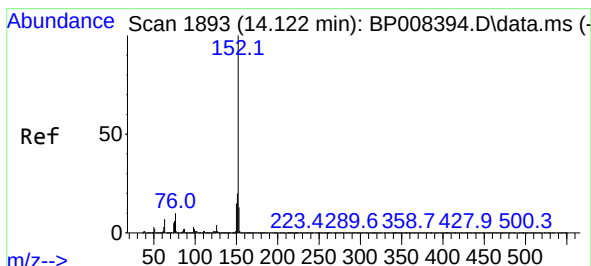
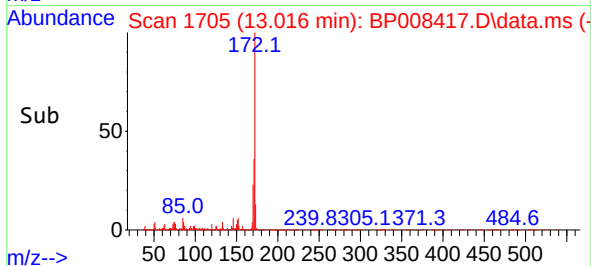
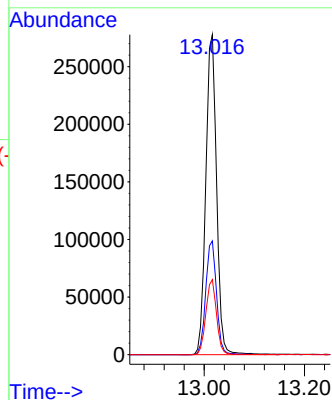
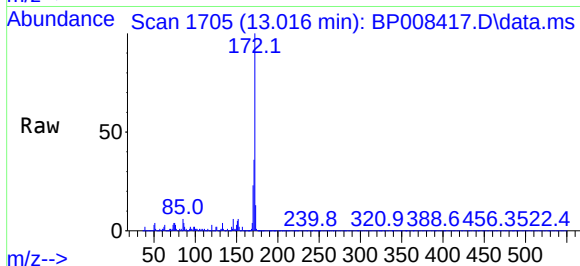
SB-9-SB-22-C

Tgt Ion:172 Resp: 41566
Ion Ratio Lower Upper
172 100
171 35.6 28.0 42.0
170 23.4 18.9 28.3

Manual Integrations

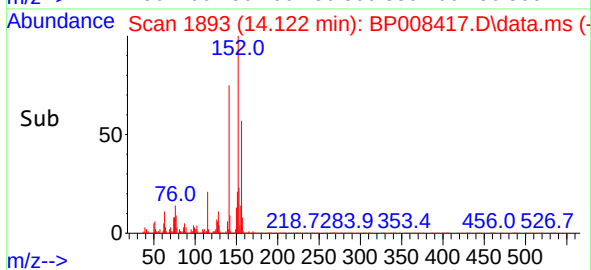
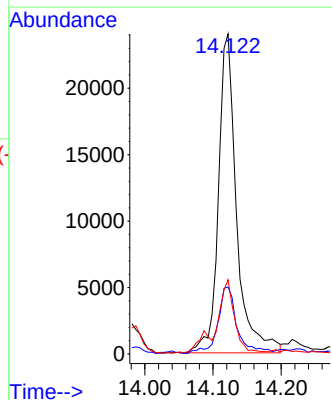
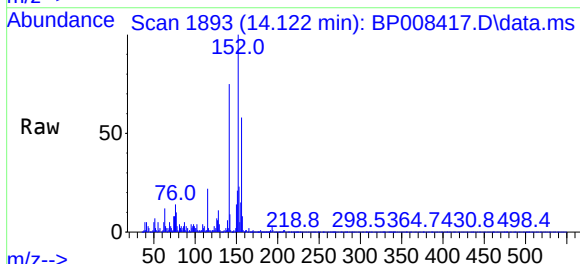
APPROVED

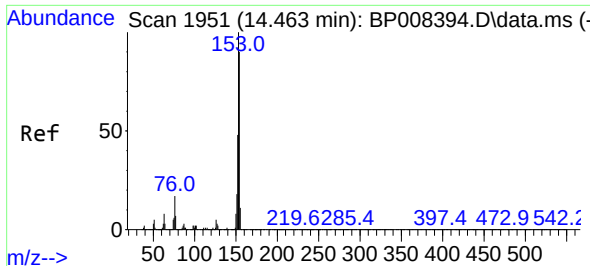
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#49
Acenaphthylene
Concen: 3.576 ng
RT: 14.122 min Scan# 1893
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:152 Resp: 44576
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.4
153 23.2 10.9 16.3





#52
Acenaphthene
Concen: 12.588 ng
RT: 14.457 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Instrument :

BNA_P

ClientSampleId :

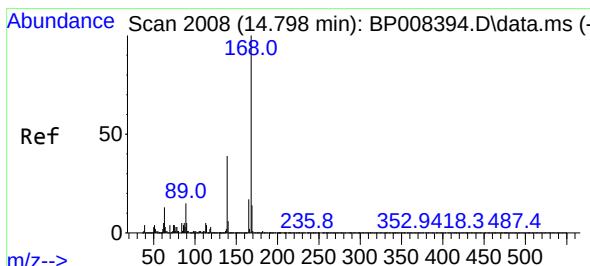
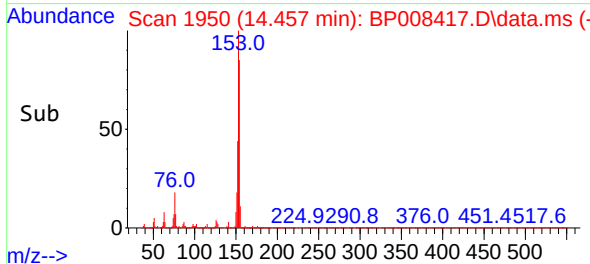
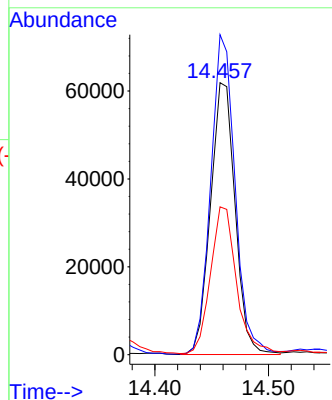
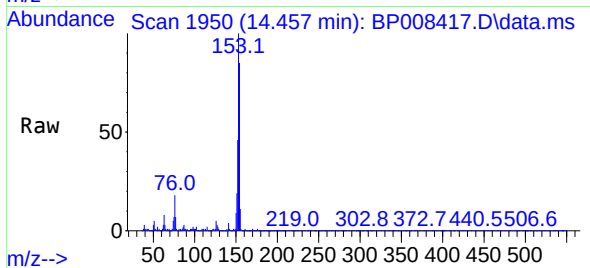
SB-9-SB-22-C

Tgt Ion:154 Resp: 93329
Ion Ratio Lower Upper
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153 117.7 90.3 135.5
152 54.4 43.3 64.9

Manual Integrations

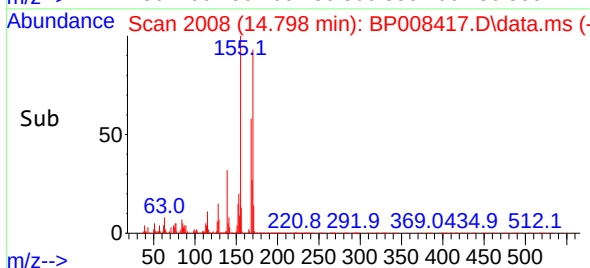
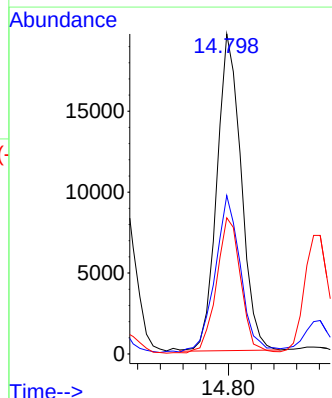
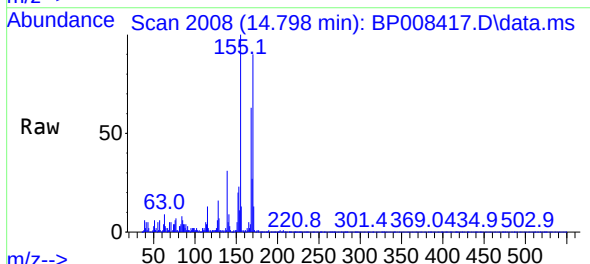
APPROVED

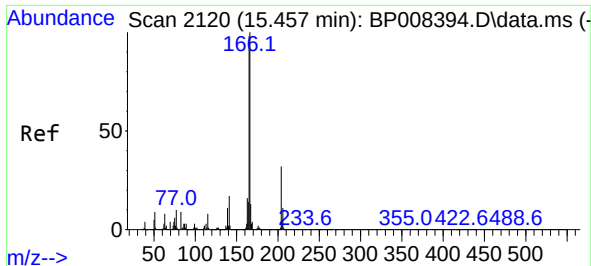
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#55
Dibenzofuran
Concen: 2.298 ng
RT: 14.798 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:168 Resp: 28989
Ion Ratio Lower Upper
168 100
139 49.5 30.6 46.0#
169 42.5 11.0 16.4#





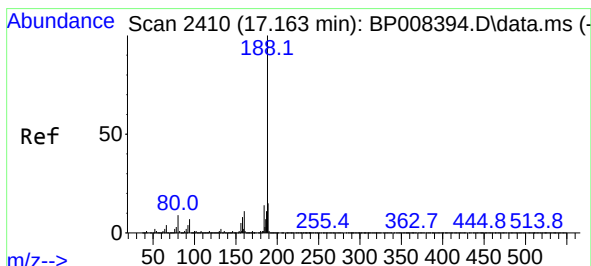
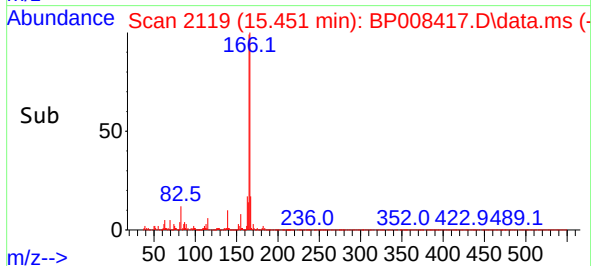
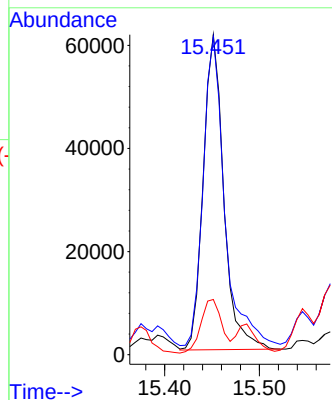
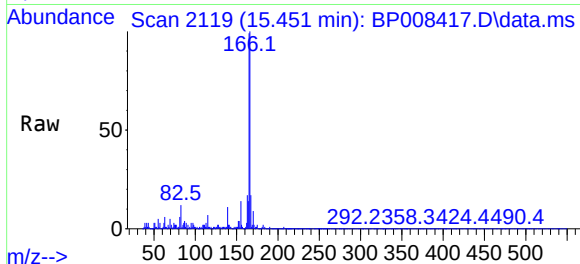
#58
Fluorene
Concen: 9.424 ng
RT: 15.451 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-C

Tgt Ion:166 Resp: 92150
Ion Ratio Lower Upper
166 100
165 99.3 79.4 119.2
167 17.2 10.9 16.3

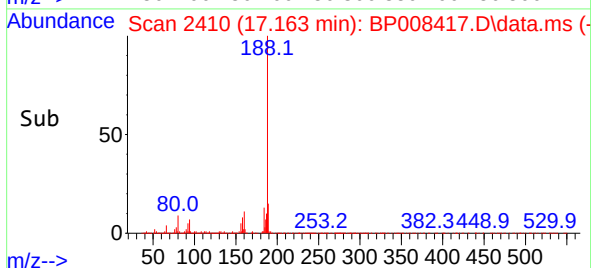
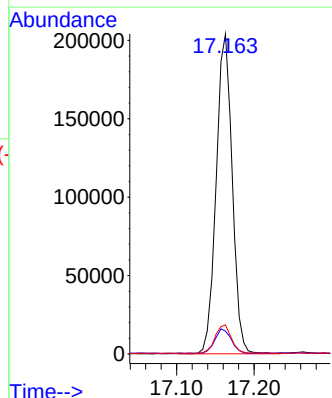
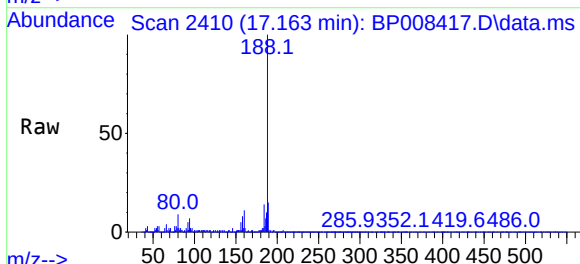
Manual Integrations
APPROVED

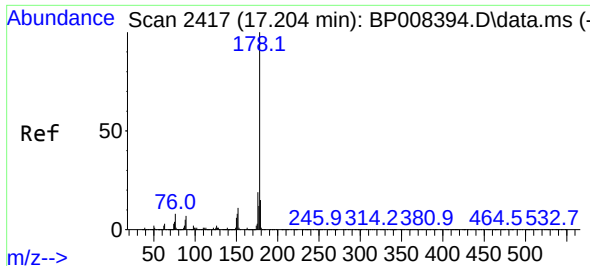
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:188 Resp: 293320
Ion Ratio Lower Upper
188 100
94 7.1 7.2 10.8#
80 9.0 8.2 12.4





#71
Phenanthrene
Concen: 207.405 ng
RT: 17.210 min Scan# 2417
Delta R.T. 0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Instrument :

BNA_P

ClientSampleId :

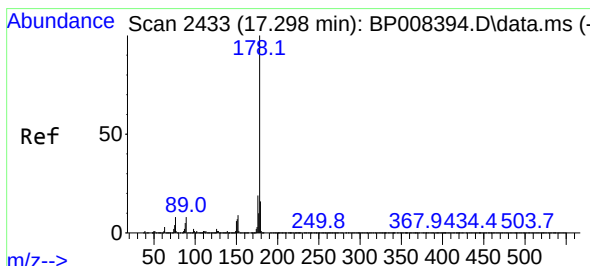
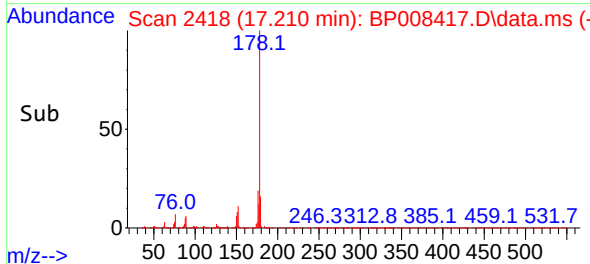
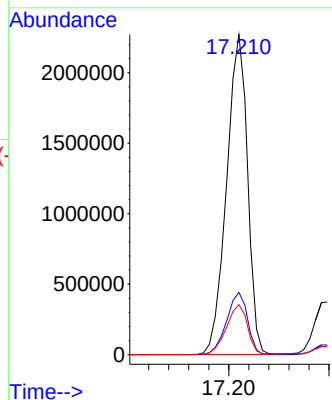
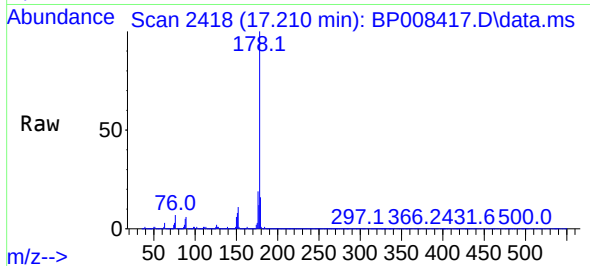
SB-9-SB-22-C

Tgt Ion:178 Resp: 3295450
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.6 12.5 18.7

Manual Integrations

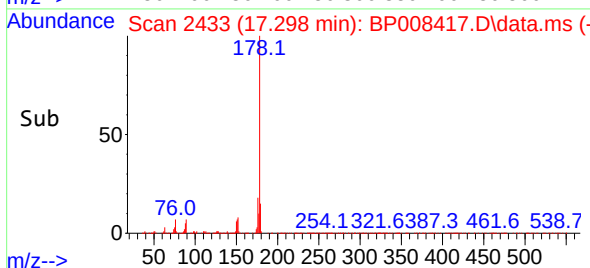
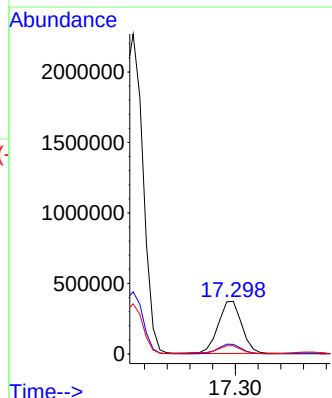
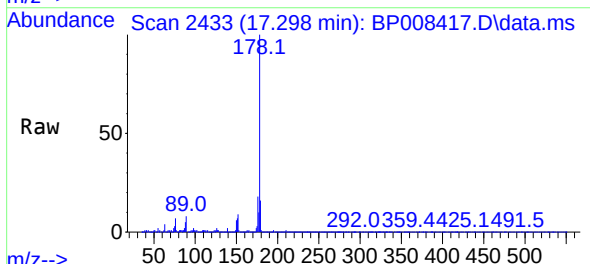
APPROVED

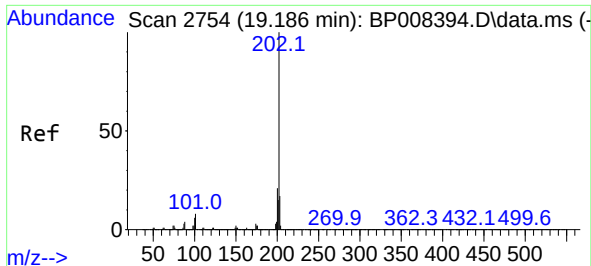
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#72
Anthracene
Concen: 34.045 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

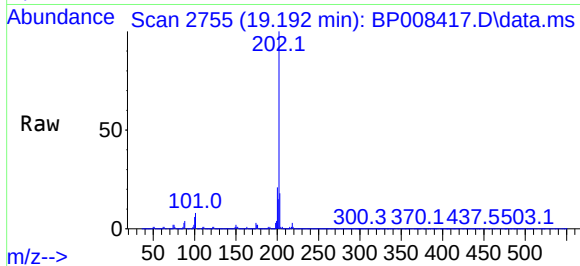
Tgt Ion:178 Resp: 533700
Ion Ratio Lower Upper
178 100
176 18.3 15.1 22.7
179 15.6 12.3 18.5





#75
Fluoranthene
Concen: 189.604 ng
RT: 19.192 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

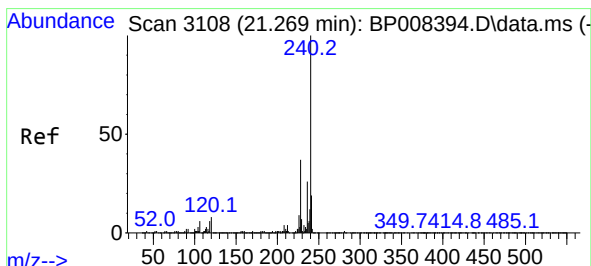
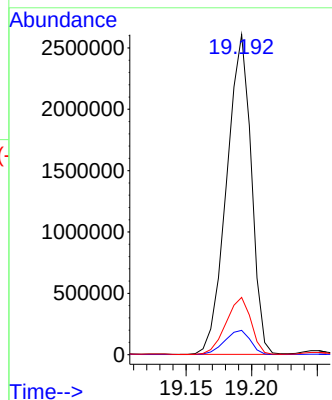
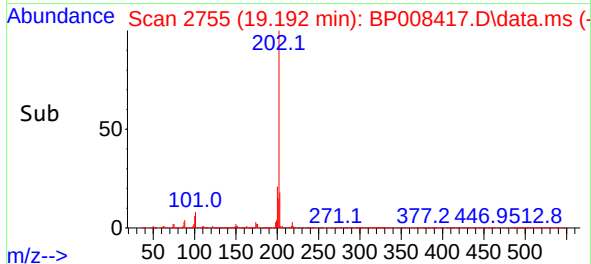
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-C



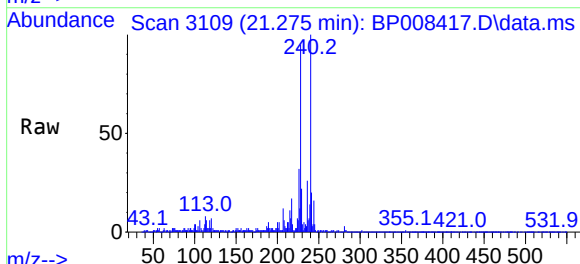
Tgt Ion:202 Resp: 340123
Ion Ratio Lower Upper
202 100
101 7.6 0.0 29.8
203 17.9 0.0 37.7

Manual Integrations
APPROVED

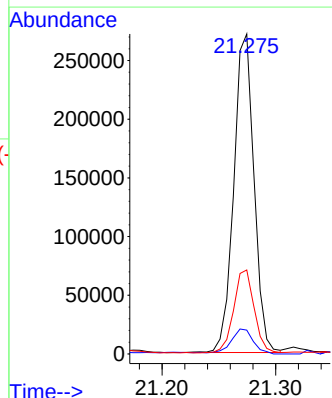
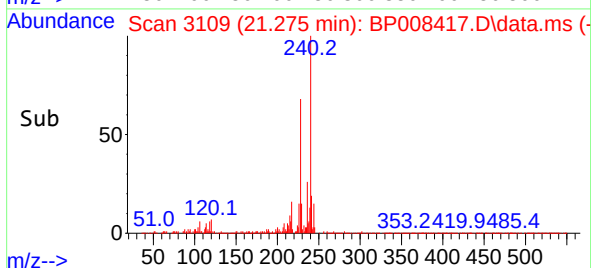
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021

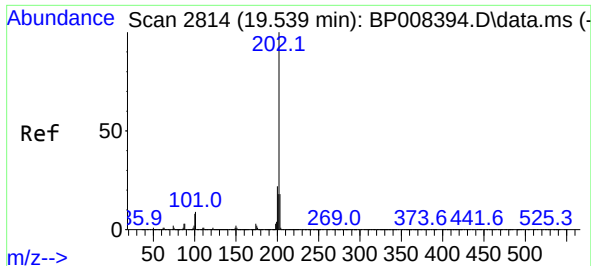


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.275 min Scan# 3109
Delta R.T. 0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15



Tgt Ion:240 Resp: 334439
Ion Ratio Lower Upper
240 100
120 7.4 7.3 10.9
236 26.3 21.4 32.2





#78
Pyrene
Concen: 258.613 ng
RT: 19.551 min Scan# 2816
Delta R.T. 0.012 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Instrument :

BNA_P

ClientSampleId :

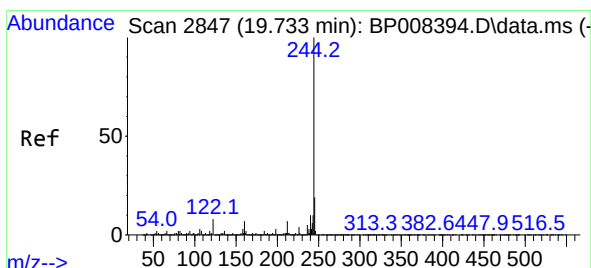
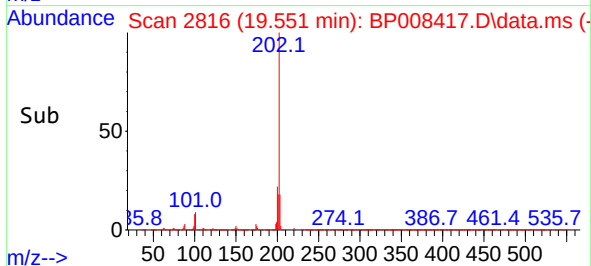
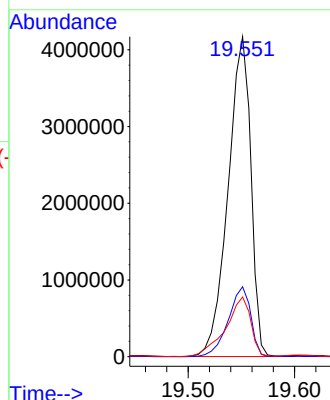
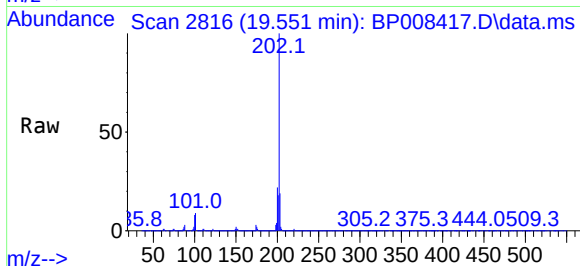
SB-9-SB-22-C

Tgt Ion:202 Resp: 618805
Ion Ratio Lower Upper
202 100
200 21.9 17.1 25.7
203 18.7 14.2 21.2

Manual Integrations

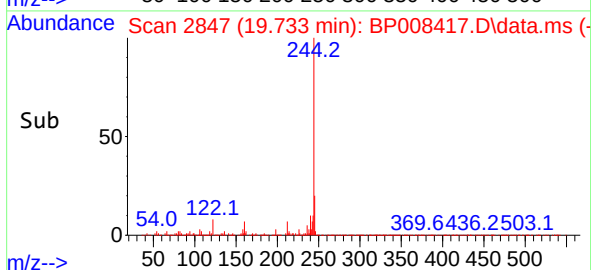
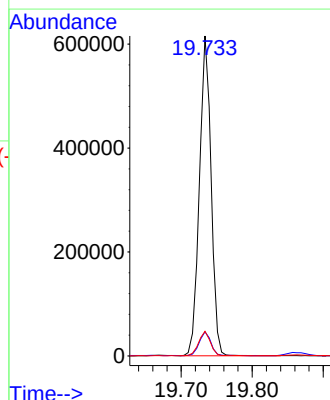
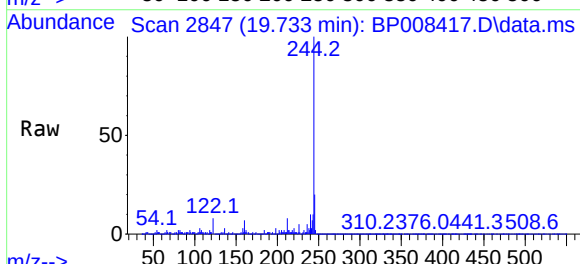
APPROVED

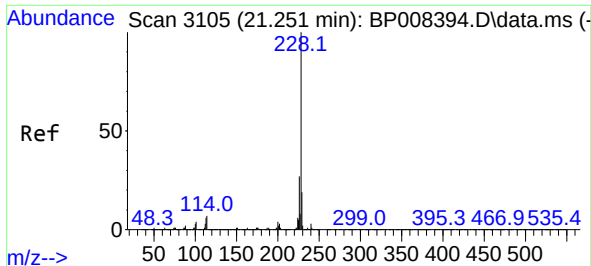
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#79
Terphenyl-d14
Concen: 36.651 ng
RT: 19.733 min Scan# 2847
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:244 Resp: 704293
Ion Ratio Lower Upper
244 100
212 7.6 6.0 9.0
122 7.7 6.6 9.8





#81
Benzo(a)anthracene
Concen: 116.018 ng
RT: 21.257 min Scan# 3106
Delta R.T. 0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Instrument :

BNA_P

ClientSampleId :

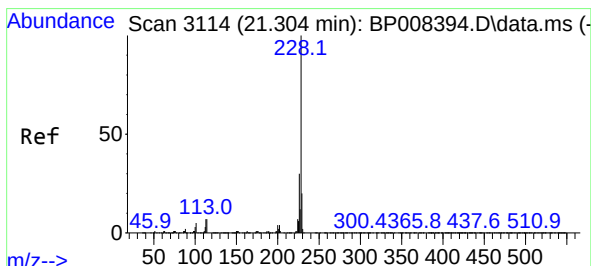
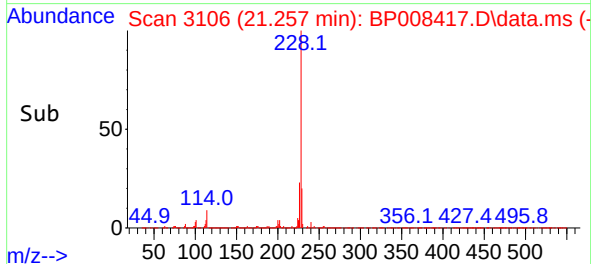
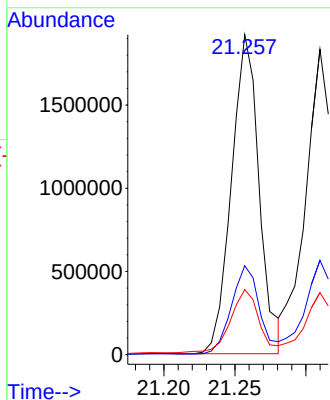
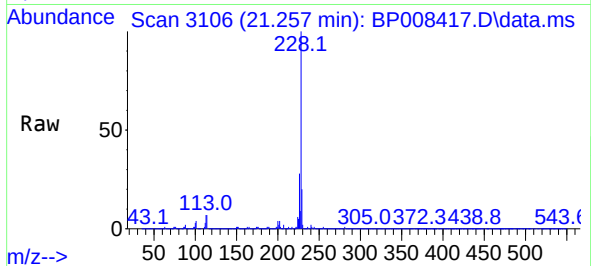
SB-9-SB-22-C

Tgt Ion:228 Resp: 2600349
Ion Ratio Lower Upper
228 100
226 27.8 21.9 32.9
229 20.4 15.9 23.9

Manual Integrations

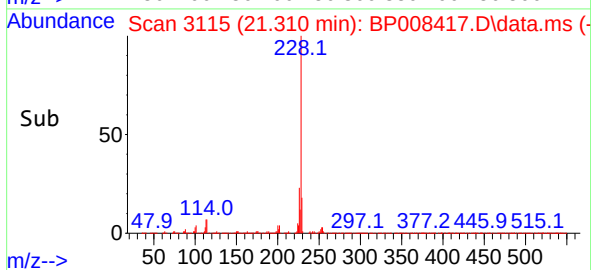
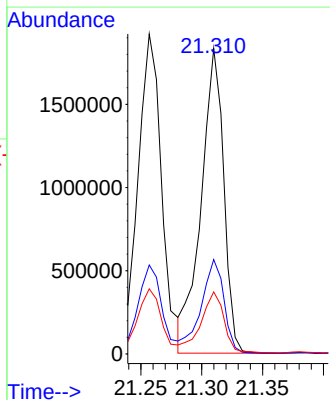
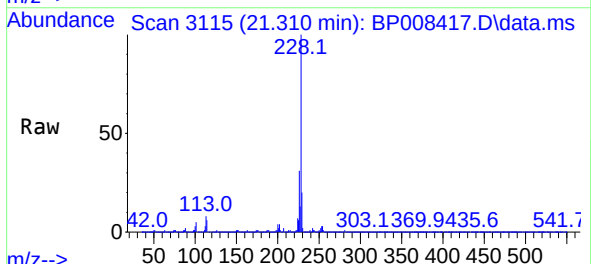
APPROVED

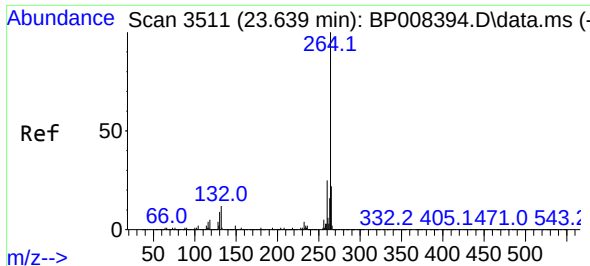
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#83
Chrysene
Concen: 110.547 ng
RT: 21.310 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:228 Resp: 2366733
Ion Ratio Lower Upper
228 100
226 30.9 24.0 36.0
229 20.3 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.639 min Scan# 3511
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Instrument :

BNA_P

ClientSampleId :

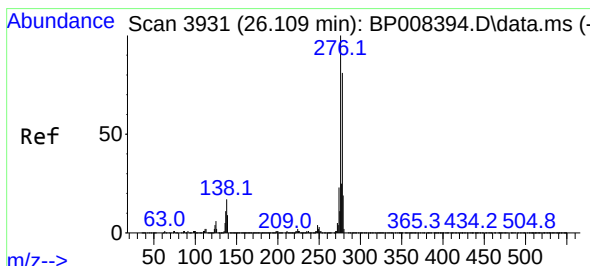
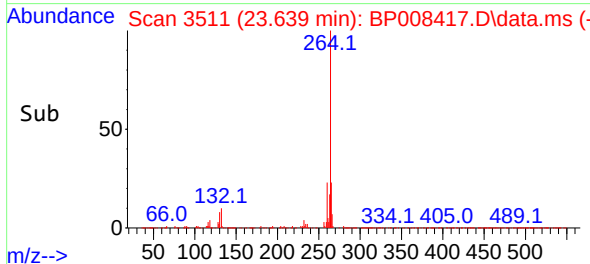
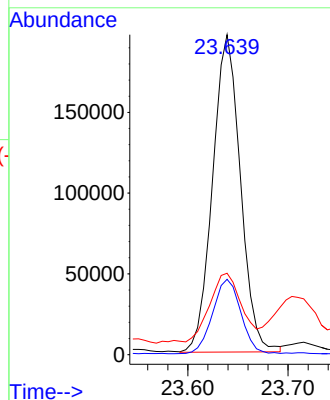
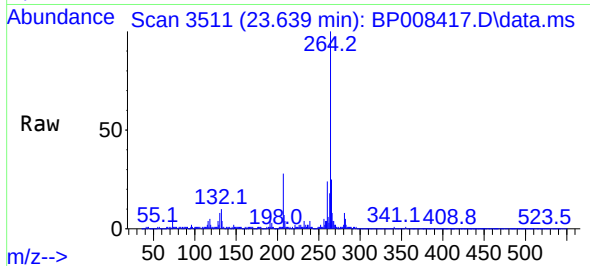
SB-9-SB-22-C

Tgt Ion:264 Resp: 379059
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.2
265 25.5 17.6 26.4

Manual Integrations

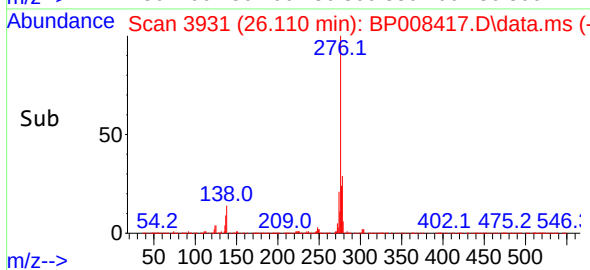
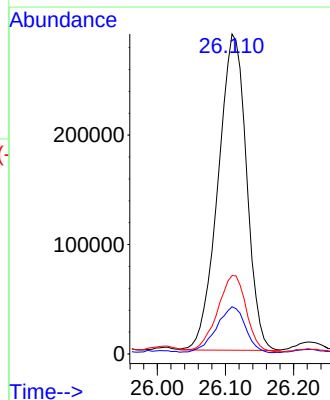
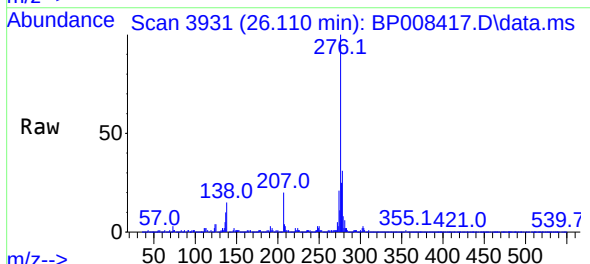
APPROVED

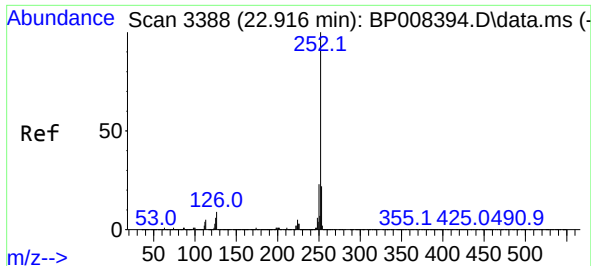
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 28.122 ng
RT: 26.110 min Scan# 3931
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:276 Resp: 839115
Ion Ratio Lower Upper
276 100
138 15.0 16.6 25.0#
277 24.5 20.2 30.2





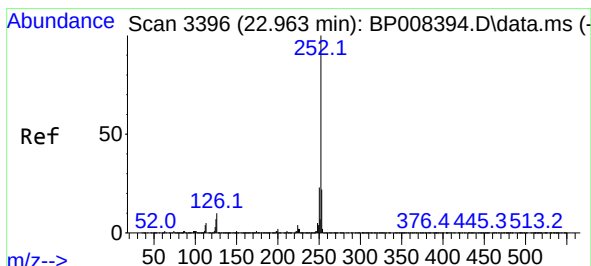
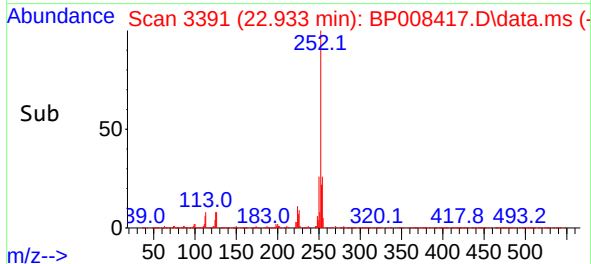
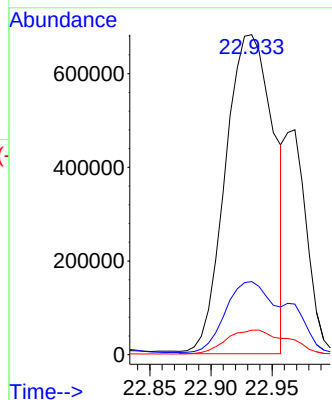
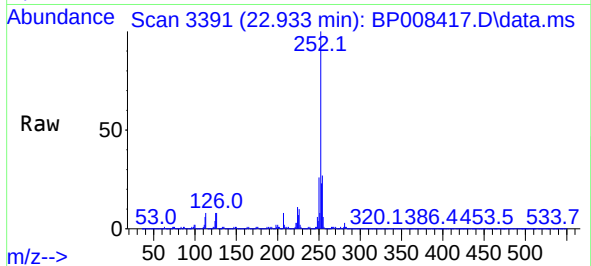
#88
Benzo(b)fluoranthene
Concen: 82.002 ng m
RT: 22.933 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-C

Tgt Ion:252 Resp: 186981
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 7.7 6.2 9.4

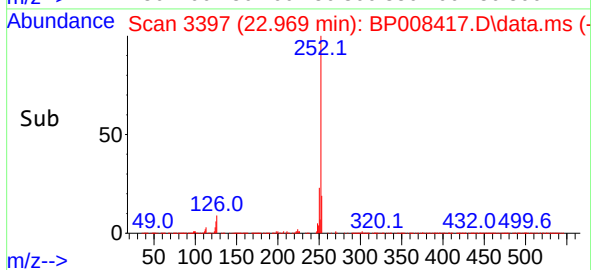
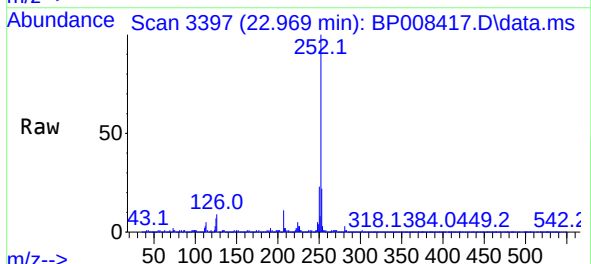
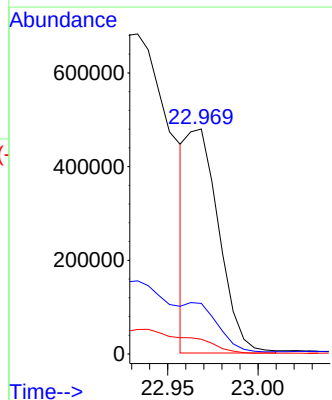
Manual Integrations
APPROVED

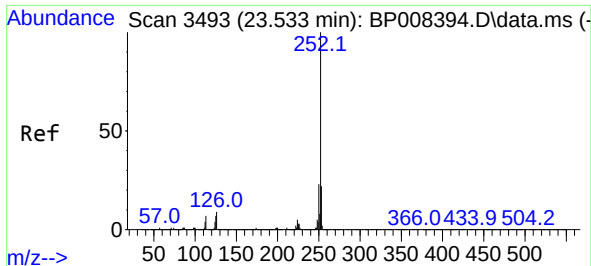
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#89
Benzo(k)fluoranthene
Concen: 25.639 ng m
RT: 22.969 min Scan# 3397
Delta R.T. 0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:252 Resp: 589551
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 6.5 6.5 9.7





#90
Benzo(a)pyrene
Concen: 79.058 ng m
RT: 23.539 min Scan# 3493
Delta R.T. 0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Instrument :

BNA_P

ClientSampleId :

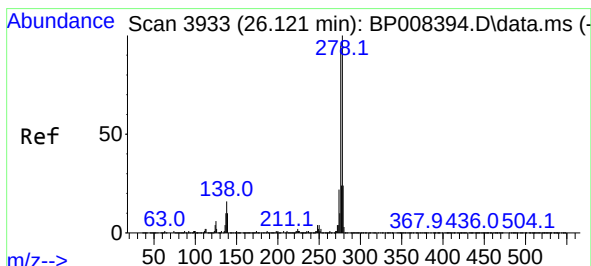
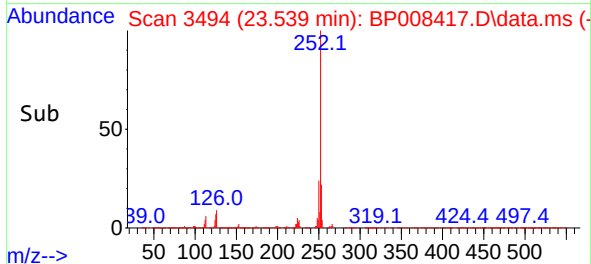
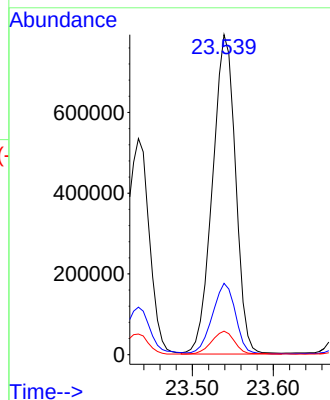
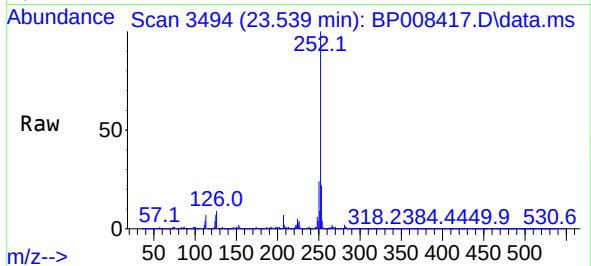
SB-9-SB-22-C

Tgt Ion:252 Resp: 156464
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 7.3 7.4 11.0

Manual Integrations

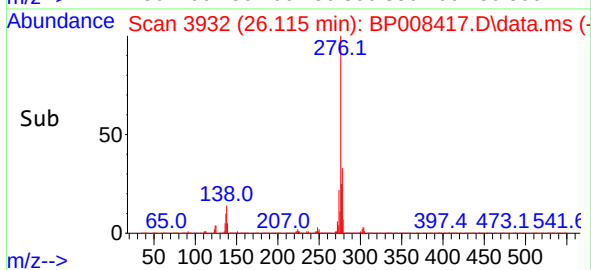
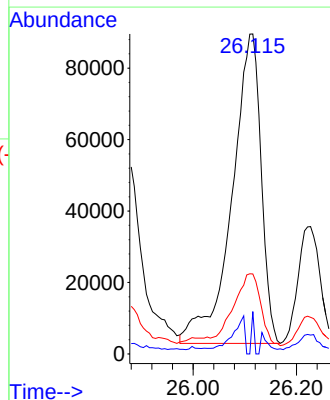
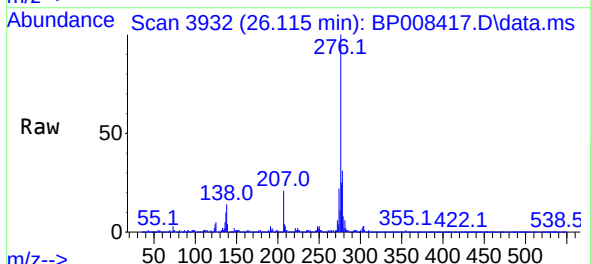
APPROVED

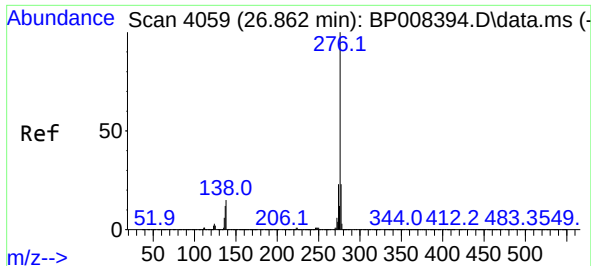
Reviewed By :Christian Giraldo 12/16/2021
Supervised By :Jagrut Upadhyay 12/16/2021



#91
Dibenzo(a,h)anthracene
Concen: 13.583 ng
RT: 26.115 min Scan# 3932
Delta R.T. -0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

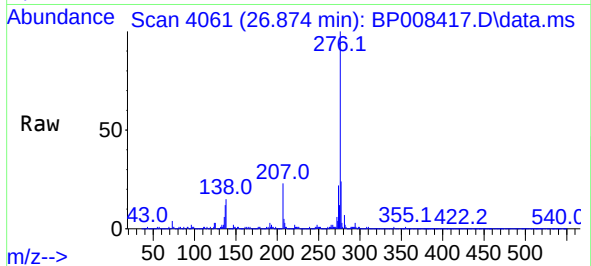
Tgt Ion:278 Resp: 339285
Ion Ratio Lower Upper
278 100
139 13.2 10.8 16.2
279 25.0 19.1 28.7





#92
Benzo(g,h,i)perylene
Concen: 34.153 ng
RT: 26.874 min Scan# 4061
Delta R.T. 0.012 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-C



Tgt Ion: 276 Resp: 84475
Ion Ratio Lower Upper
276 100
277 23.6 20.0 30.0
138 14.5 14.1 21.1

Manual Integrations
APPROVED

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

