

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
 Data File : BP009580.D
 Acq On : 28 Mar 2022 23:24
 Operator : CG/JU
 Sample : N2095-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-07-2.0-3.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/29/2022
 Supervised By : Jagrut Upadhyay 03/29/2022

Quant Time: Mar 29 03:14:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 06:34:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	284894	20.000	ng	-0.01
21) Naphthalene-d8	10.557	136	1124595	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	725642	20.000	ng	-0.01
64) Phenanthrene-d10	17.175	188	1560434	20.000	ng	-0.01
76) Chrysene-d12	21.298	240	1524570	20.000	ng	0.00
86) Perylene-d12	23.692	264	1690298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1798890	110.242	ng	0.00
7) Phenol-d6	6.957	99	2260983	102.459	ng	0.00
23) Nitrobenzene-d5	8.922	82	1472102	69.561	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	1057074	88.278	ng	-0.01
45) 2-Fluorobiphenyl	13.034	172	3447684	65.866	ng	0.00
79) Terphenyl-d14	19.757	244	5379630	63.335	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.610	128	179457	3.098	ng	99
49) Acenaphthylene	14.134	152	260715	3.963	ng	100
52) Acenaphthene	14.475	154	203684	5.183	ng	99
55) Dibenzofuran	14.816	168	205583	3.114	ng	# 97
58) Fluorene	15.469	166	215825	4.156	ng	# 99
71) Phenanthrene	17.222	178	4580779	54.840	ng	99
72) Anthracene	17.310	178	1087062	13.181	ng	99
73) Carbazole	17.586	167	399970	4.959	ng	99
75) Fluoranthene	19.204	202	7338895	72.572	ng	99
78) Pyrene	19.557	202	6788147	67.569	ng	99
81) Benzo(a)anthracene	21.280	228	3802369	37.962	ng	97
83) Chrysene	21.333	228	3206753	33.810	ng	97
87) Indeno(1,2,3-cd)pyrene	26.180	276	2423042	18.895	ng	# 93
88) Benzo(b)fluoranthene	22.968	252	4393058m	43.536	ng	
89) Benzo(k)fluoranthene	23.004	252	1625534m	16.453	ng	
90) Benzo(a)pyrene	23.586	252	3478773	40.295	ng	97
91) Dibenzo(a,h)anthracene	26.186	278	608000m	5.689	ng	
92) Benzo(g,h,i)perylene	26.945	276	2360321	22.449	ng	96

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

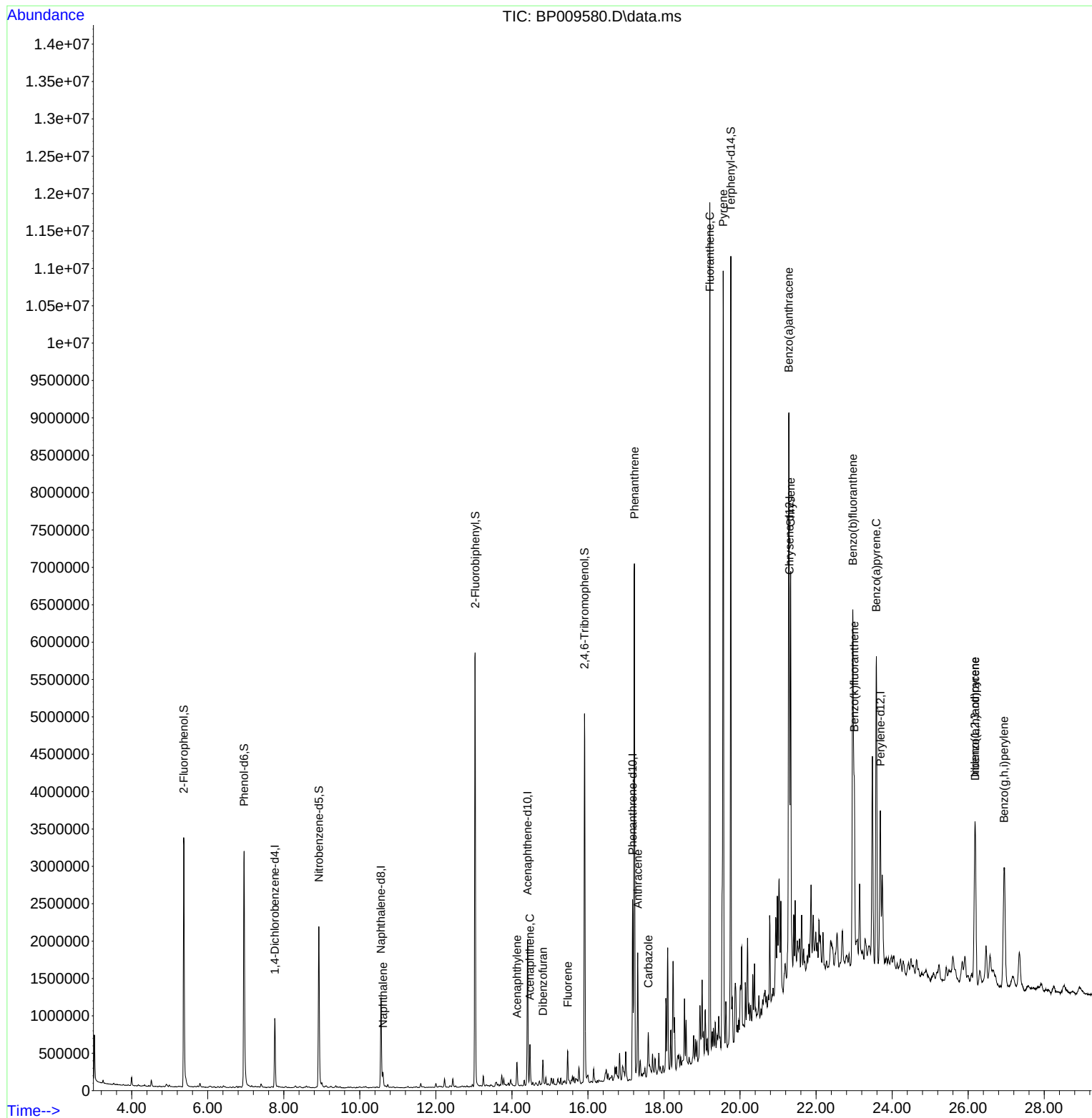
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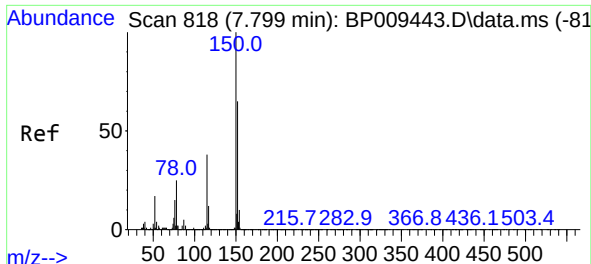
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Quant Time: Mar 29 03:14:42 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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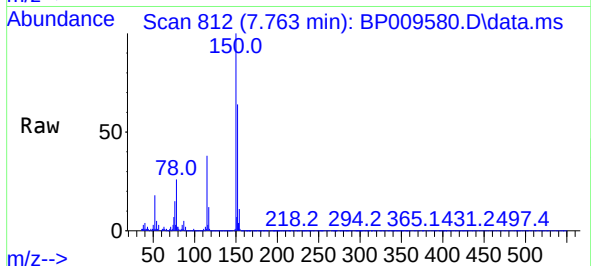
Reviewed By : Christian Giraldo 03/29/2022
Supervised By : Jagrut Upadhyay 03/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

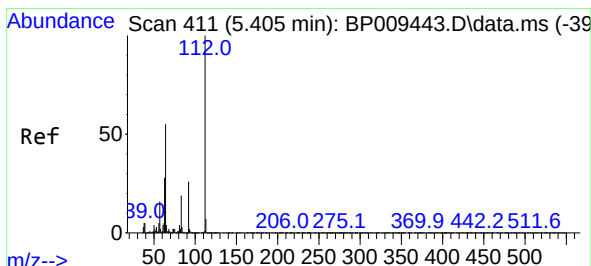
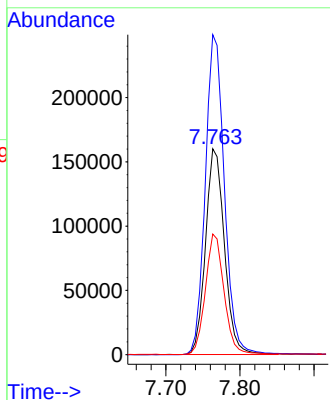
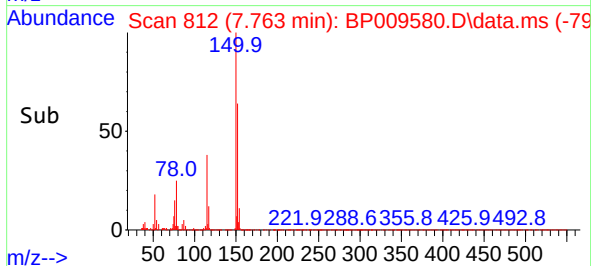
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ClientSampleId :
SB-07-2.0-3.0



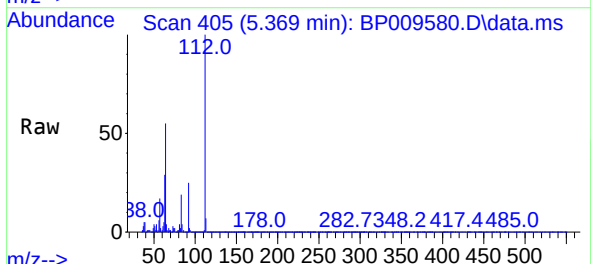
Tgt Ion:152 Resp: 284894
Ion Ratio Lower Upper
152 100
150 155.4 124.5 186.7
115 58.6 48.2 72.4

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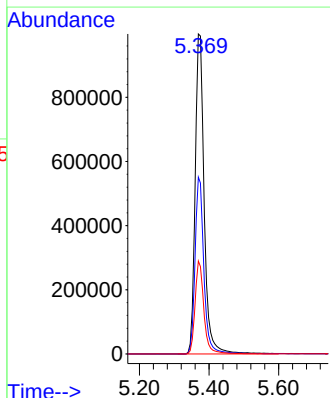
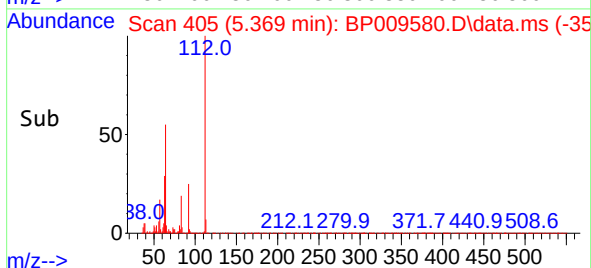
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

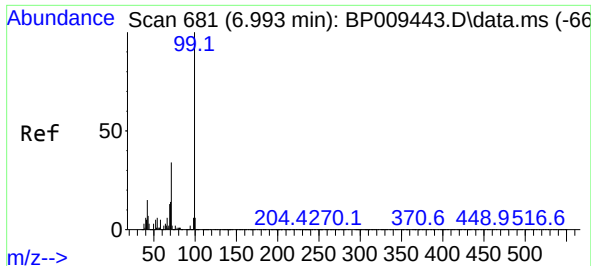


#5
2-Fluorophenol
Concen: 110.242 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24



Tgt Ion:112 Resp: 1798890
Ion Ratio Lower Upper
112 100
64 55.3 45.0 67.4
63 29.0 23.0 34.6





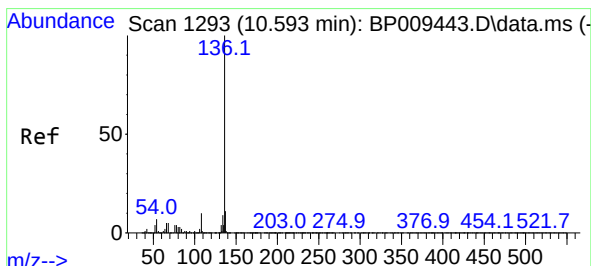
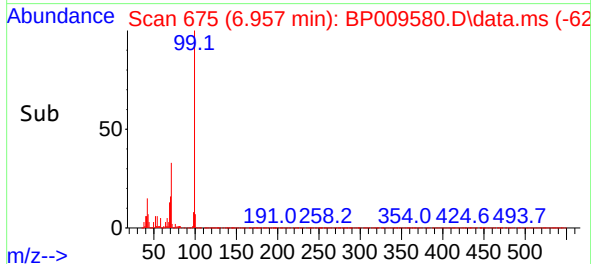
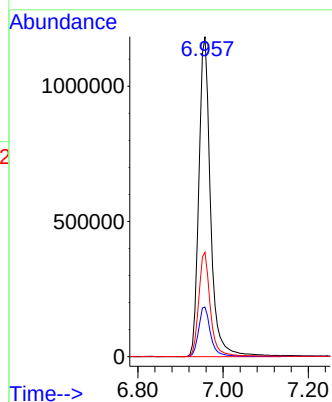
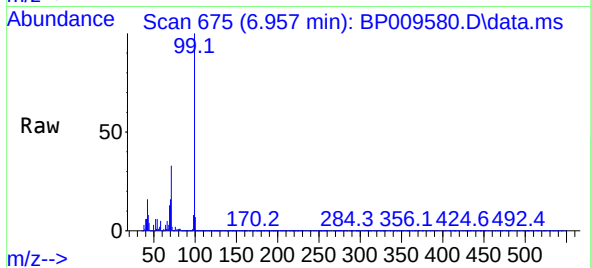
#7
Phenol-d6
Concen: 102.459 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Instrument :
BNA_P
ClientSampleId :
SB-07-2.0-3.0

Tgt Ion: 99 Resp: 226098
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 32.6 26.3 39.5

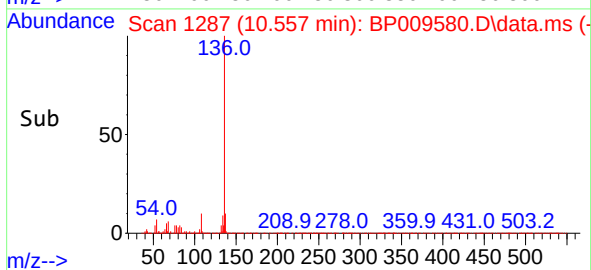
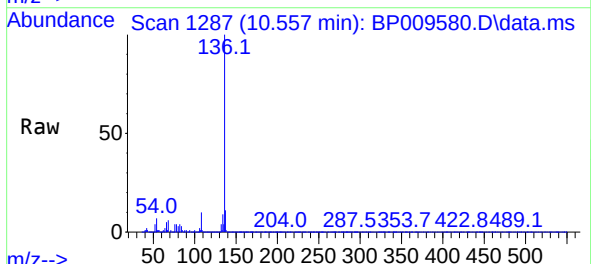
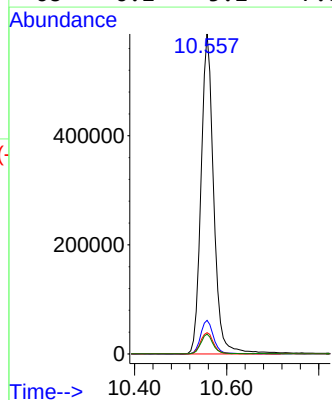
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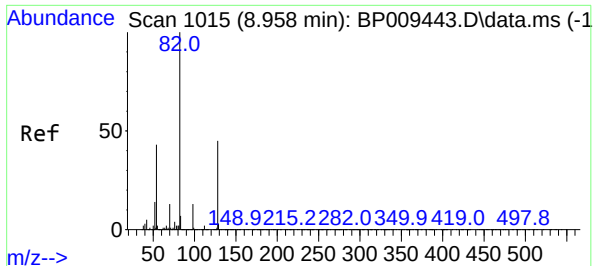
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

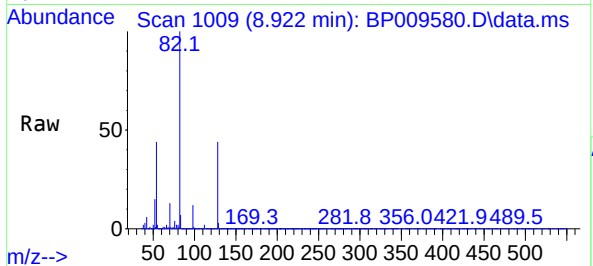
Tgt Ion:136 Resp: 1124595
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 6.7 5.8 8.8
68 6.2 5.2 7.8





#23
Nitrobenzene-d5
Concen: 69.561 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

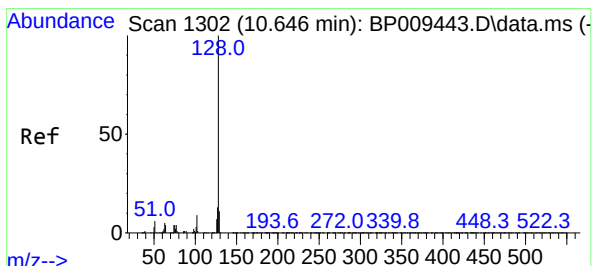
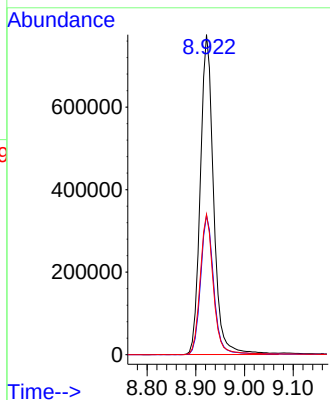
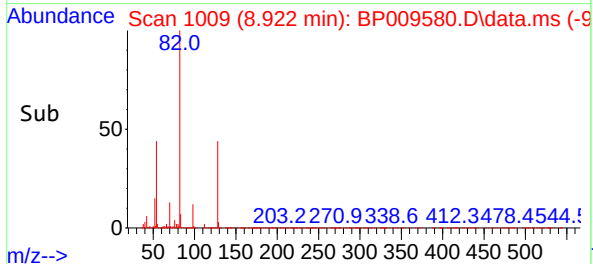
Instrument :
BNA_P
ClientSampleId :
SB-07-2.0-3.0



Tgt Ion: 82 Resp: 147210
Ion Ratio Lower Upper
82 100
128 43.5 34.2 51.4
54 43.8 34.7 52.1

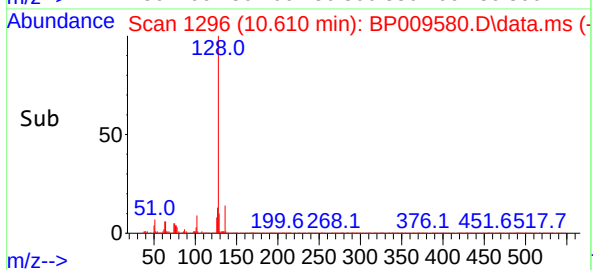
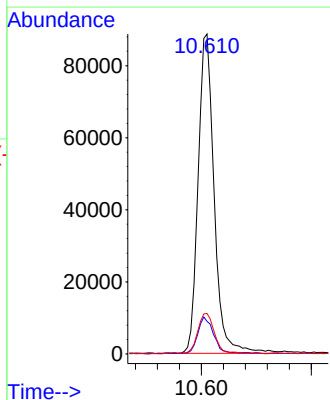
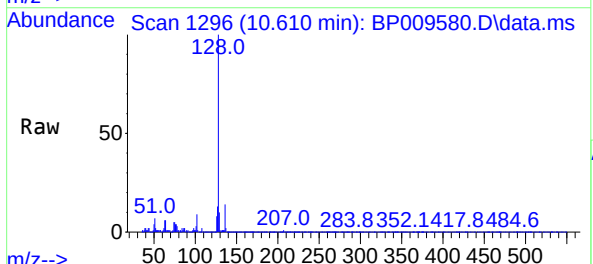
Manual Integrations
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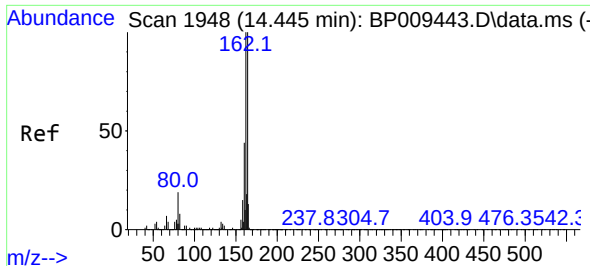
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#31
Naphthalene
Concen: 3.098 ng
RT: 10.610 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:128 Resp: 179457
Ion Ratio Lower Upper
128 100
129 10.2 8.6 13.0
127 12.6 10.5 15.7





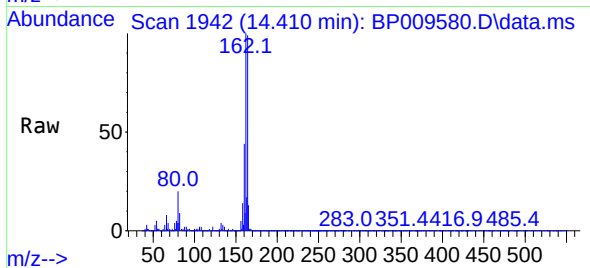
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Instrument :

BNA_P

ClientSampleId :

SB-07-2.0-3.0

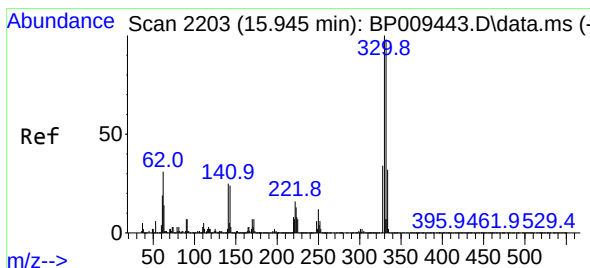
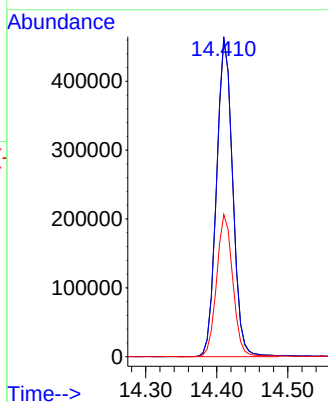
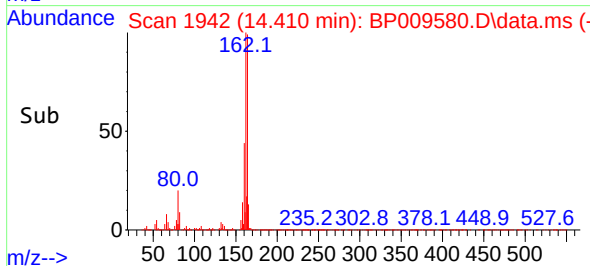


Tgt Ion:164 Resp: 72564
Ion Ratio Lower Upper
164 100
162 101.0 79.1 118.7
160 44.8 34.9 52.3

Manual Integrations

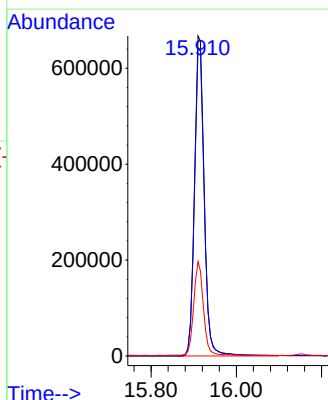
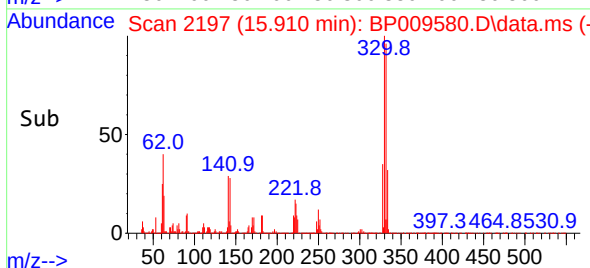
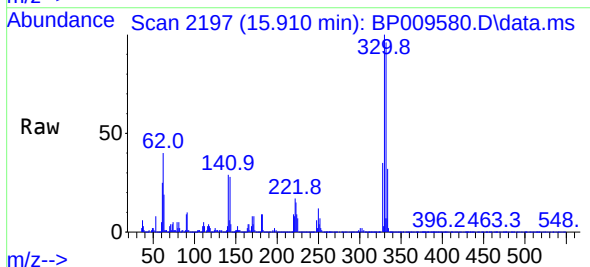
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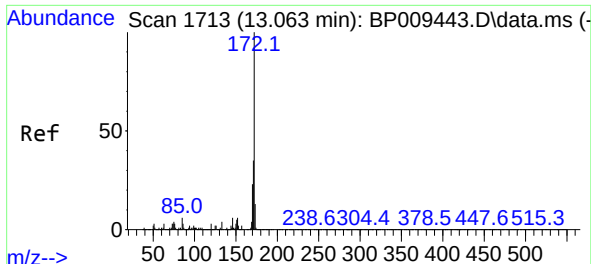
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#42
2,4,6-Tribromophenol
Concen: 88.278 ng
RT: 15.910 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:330 Resp: 1057074
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 29.5 27.6 41.4





#45
2-Fluorobiphenyl
Concen: 65.866 ng
RT: 13.034 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Instrument :

BNA_P

ClientSampleId :

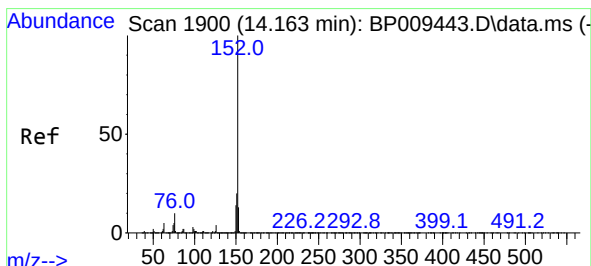
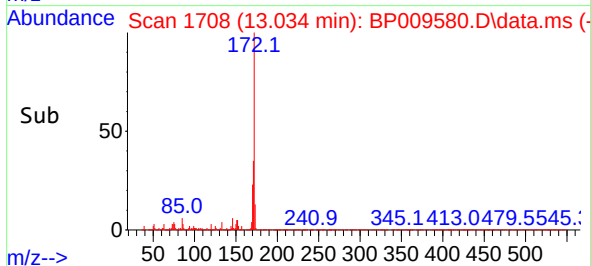
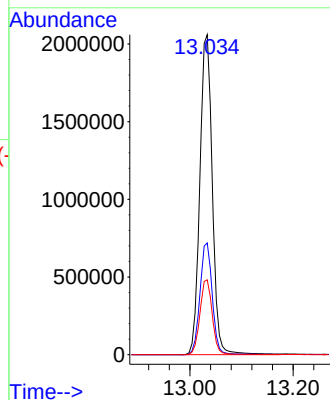
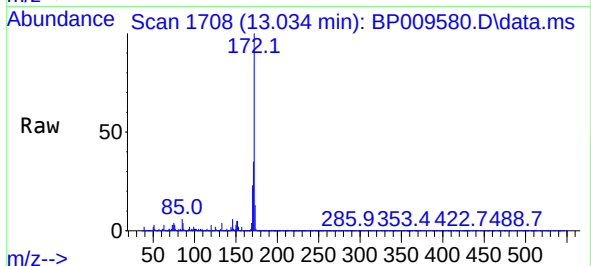
SB-07-2.0-3.0

Tgt Ion:172 Resp: 3447684
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.4 18.6 27.8

Manual Integrations

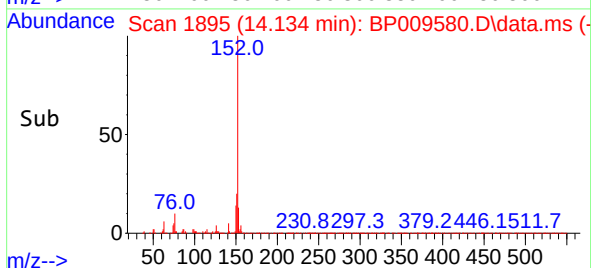
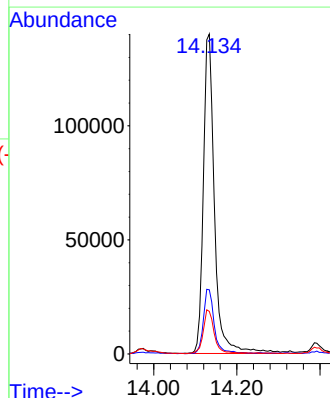
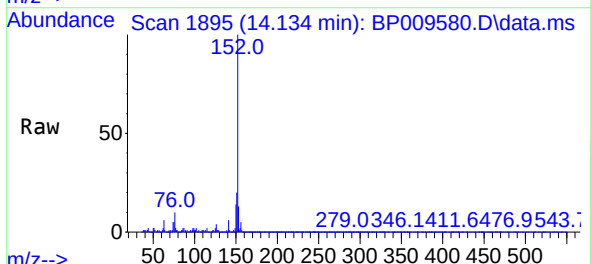
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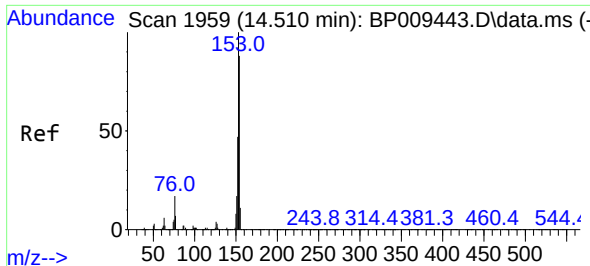
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#49
Acenaphthylene
Concen: 3.963 ng
RT: 14.134 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:152 Resp: 260715
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.3 10.7 16.1





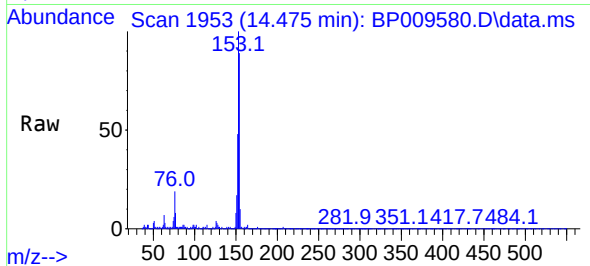
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Acenaphthene
Concen: 5.183 ng
RT: 14.475 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Instrument :

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ClientSampleId :

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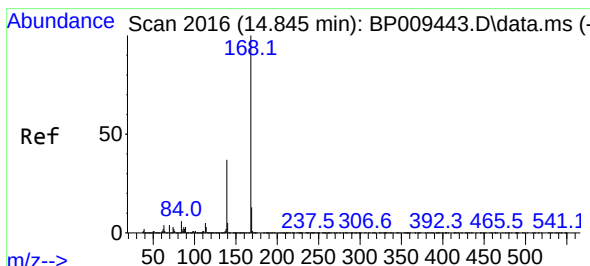
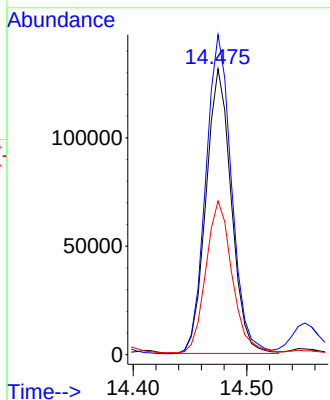
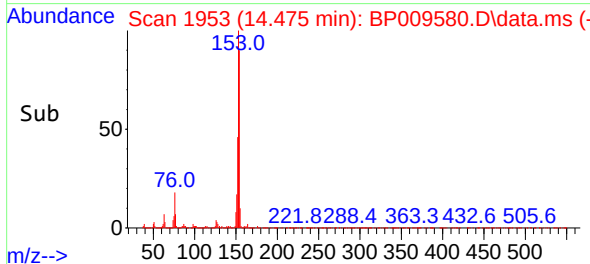


Tgt Ion:154 Resp: 203684
Ion Ratio Lower Upper
154 100
153 111.9 90.2 135.4
152 53.7 42.7 64.1

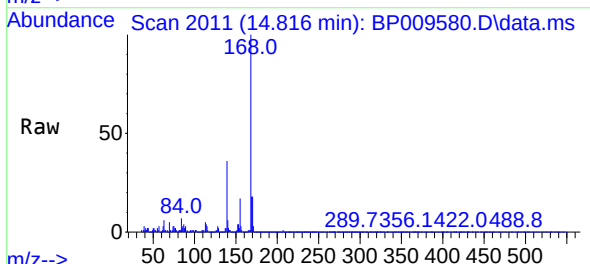
Manual Integrations

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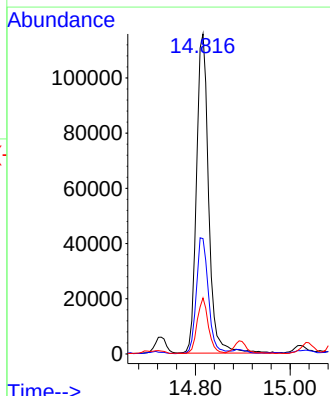
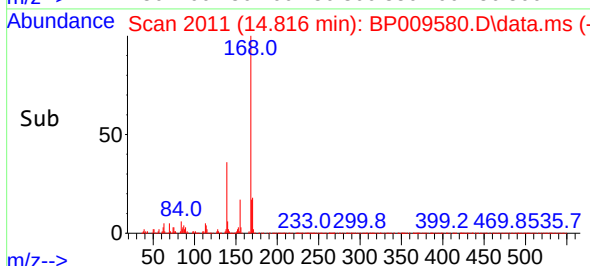
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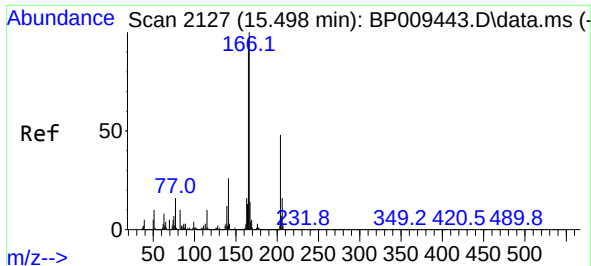


#55
Dibenzofuran
Concen: 3.114 ng
RT: 14.816 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24



Tgt Ion:168 Resp: 205583
Ion Ratio Lower Upper
168 100
139 36.0 29.1 43.7
169 17.5 10.6 16.0#





#58
Fluorene
Concen: 4.156 ng
RT: 15.469 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Instrument :

BNA_P

ClientSampleId :

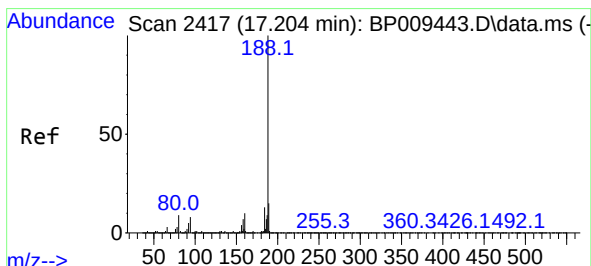
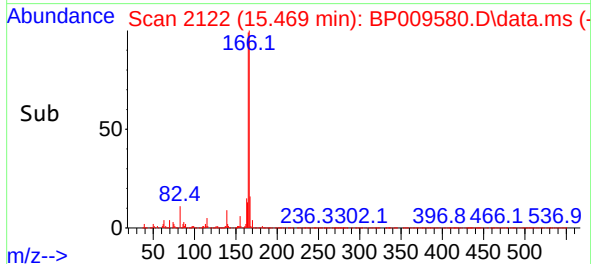
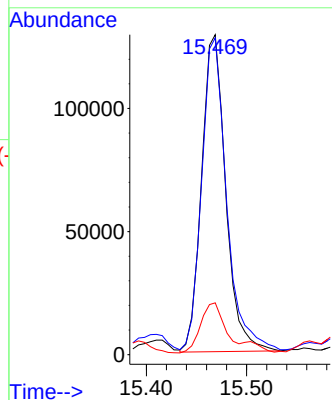
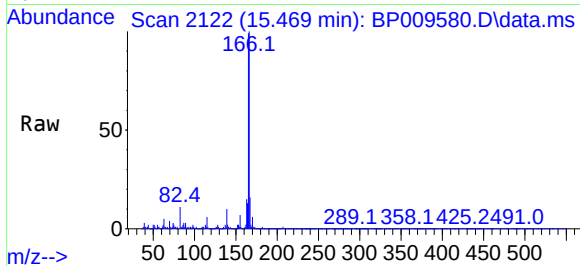
SB-07-2.0-3.0

Tgt Ion:166 Resp: 215829
Ion Ratio Lower Upper
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165 99.0 79.2 118.8
167 16.2 10.7 16.1

Manual Integrations

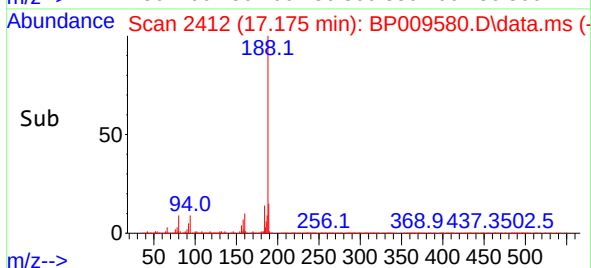
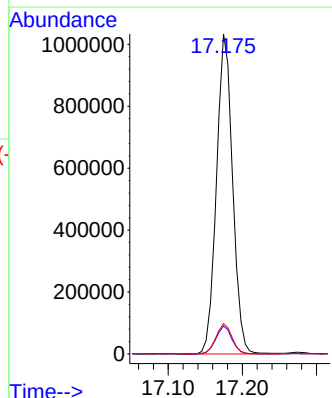
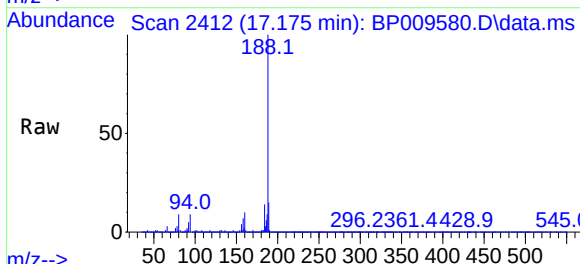
APPROVED

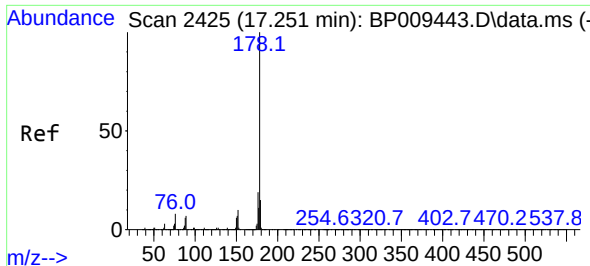
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

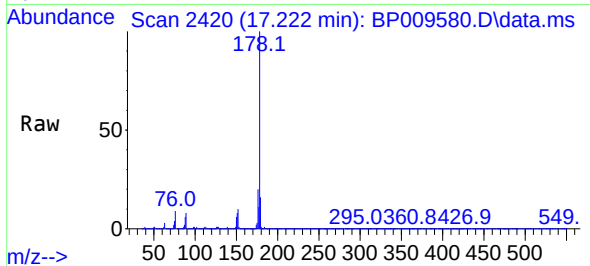
Tgt Ion:188 Resp: 1560434
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 9.5 8.8 13.2





#71
Phenanthrene
Concen: 54.840 ng
RT: 17.222 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

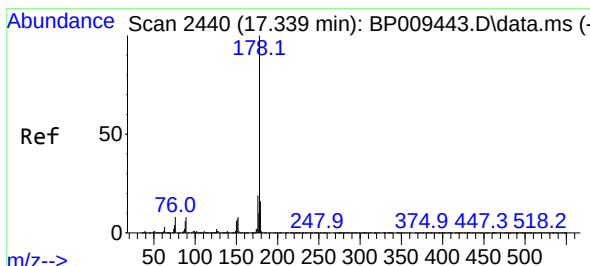
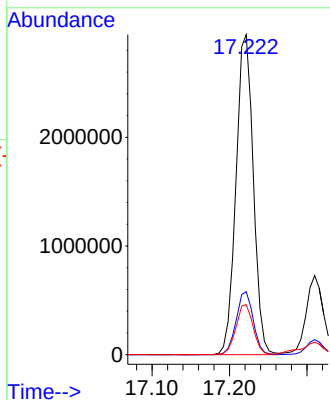
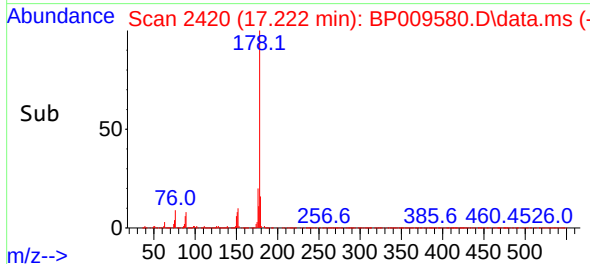
Instrument :
BNA_P
ClientSampleId :
SB-07-2.0-3.0



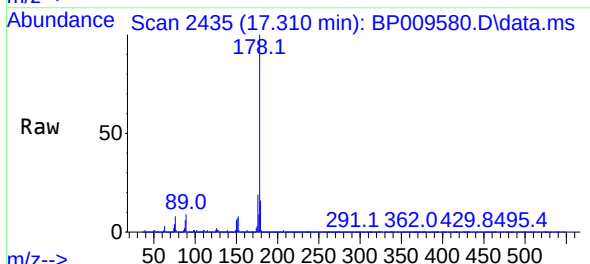
Tgt Ion:178 Resp: 4580779
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 15.6 12.3 18.5

Manual Integrations
APPROVED

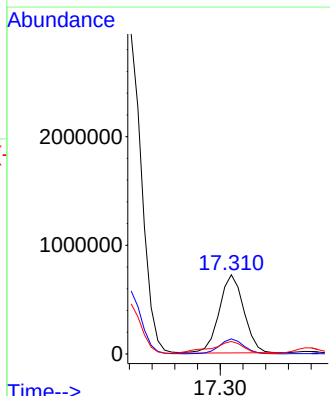
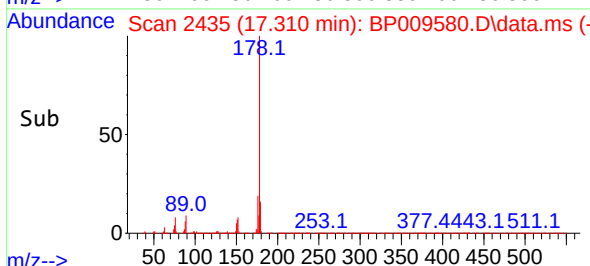
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

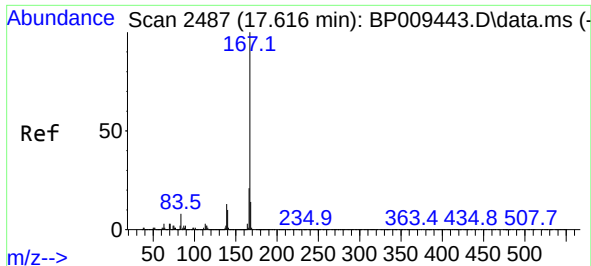


#72
Anthracene
Concen: 13.181 ng
RT: 17.310 min Scan# 2435
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24



Tgt Ion:178 Resp: 1087062
Ion Ratio Lower Upper
178 100
176 19.0 14.8 22.2
179 15.7 12.2 18.4





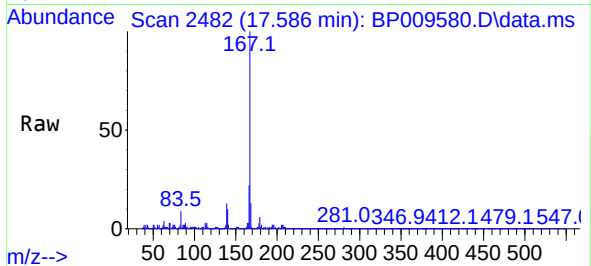
#73
 Carbazole
 Concen: 4.959 ng
 RT: 17.586 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BP009580.D
 Acq: 28 Mar 2022 23:24

Instrument :

BNA_P

ClientSampleId :

SB-07-2.0-3.0

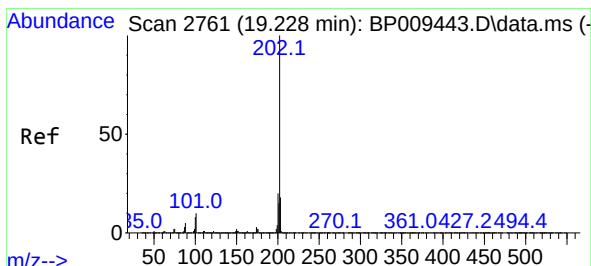
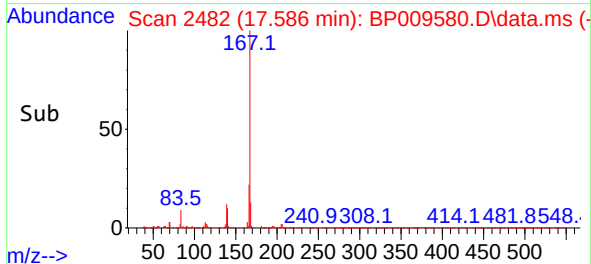
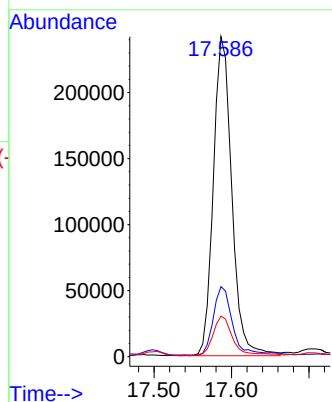


Tgt Ion:167 Resp: 399970
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.2 25.8
 139 12.7 10.3 15.5

Manual Integrations

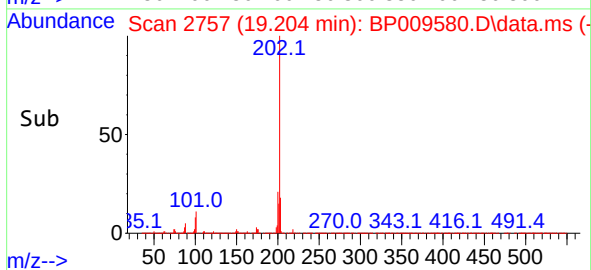
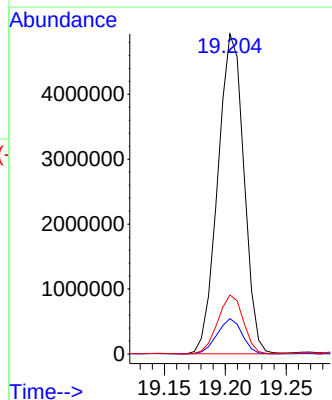
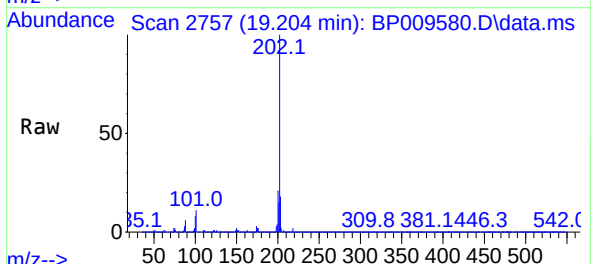
APPROVED

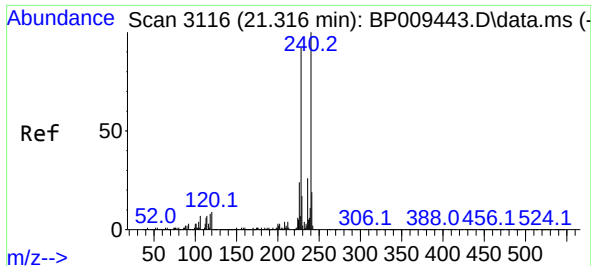
Reviewed By :Christian Giraldo 03/29/2022
 Supervised By :Jagrut Upadhyay 03/29/2022



#75
 Fluoranthene
 Concen: 72.572 ng
 RT: 19.204 min Scan# 2757
 Delta R.T. -0.006 min
 Lab File: BP009580.D
 Acq: 28 Mar 2022 23:24

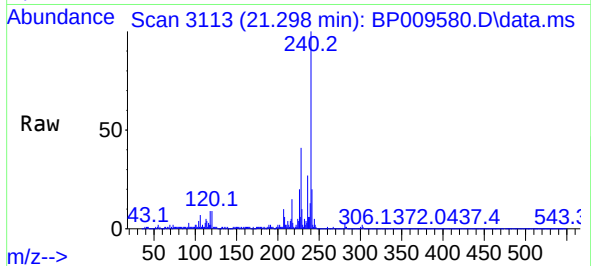
Tgt Ion:202 Resp: 7338895
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.5
 203 18.5 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.298 min Scan# 3116
Delta R.T. -0.000 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

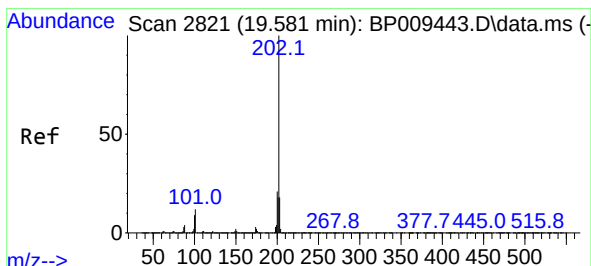
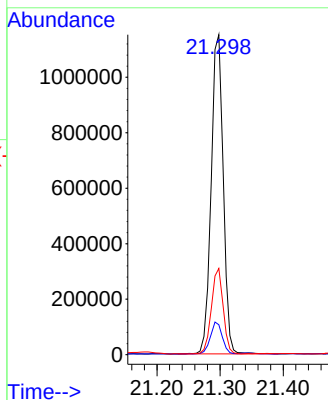
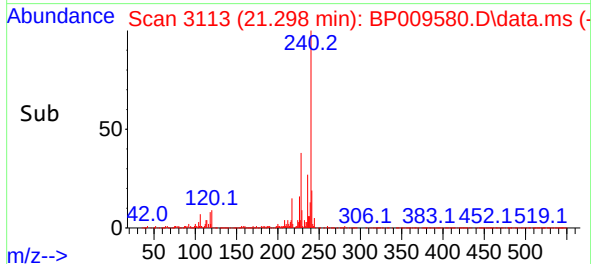
Instrument :
BNA_P
ClientSampleId :
SB-07-2.0-3.0



Tgt Ion:240 Resp: 1524570
Ion Ratio Lower Upper
240 100
120 9.3 9.0 13.4
236 27.0 20.6 30.8

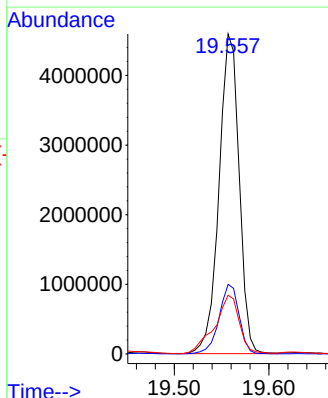
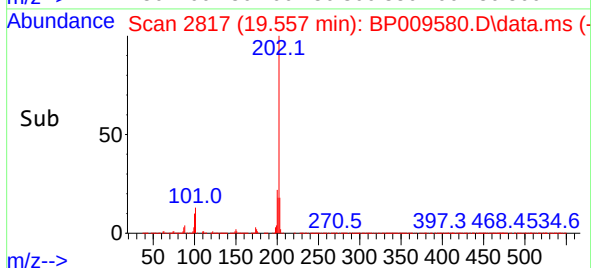
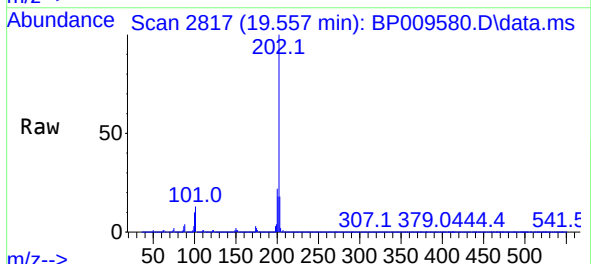
Manual Integrations
APPROVED

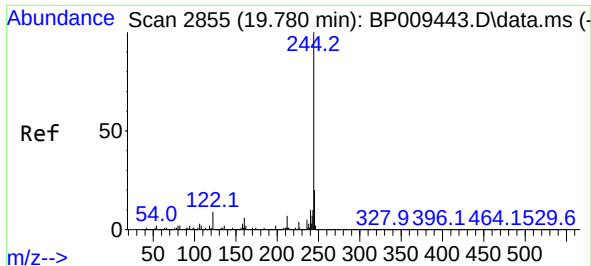
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#78
Pyrene
Concen: 67.569 ng
RT: 19.557 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:202 Resp: 6788147
Ion Ratio Lower Upper
202 100
200 21.7 16.8 25.2
203 18.4 14.2 21.4





#79
 Terphenyl-d14
 Concen: 63.335 ng
 RT: 19.757 min Scan# 2110
 Delta R.T. -0.006 min
 Lab File: BP009580.D
 Acq: 28 Mar 2022 23:24

Instrument :

BNA_P

ClientSampleId :

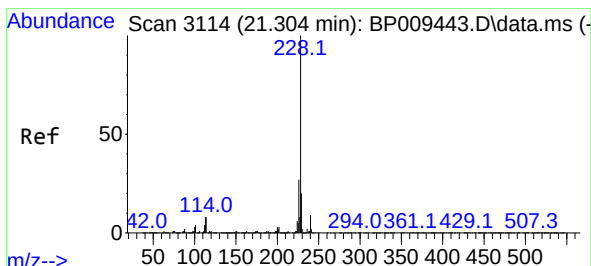
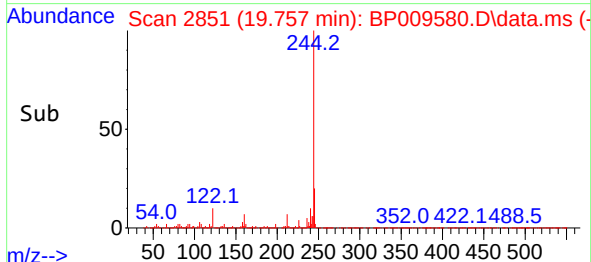
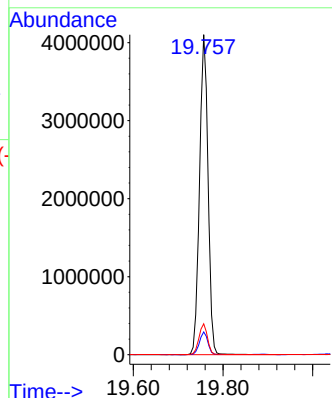
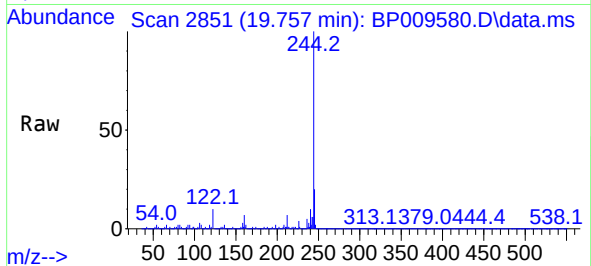
SB-07-2.0-3.0

Tgt Ion:244 Resp: 5379630
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 9.7 8.3 12.5

Manual Integrations

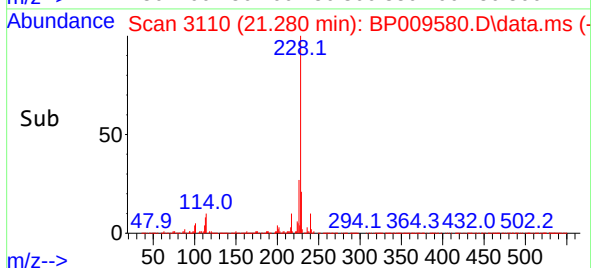
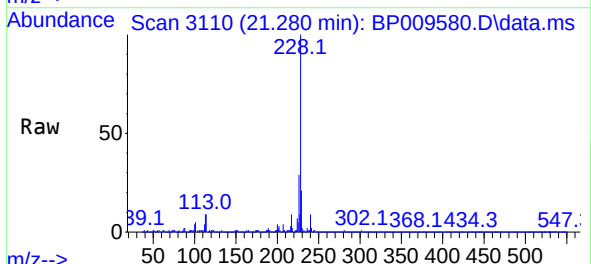
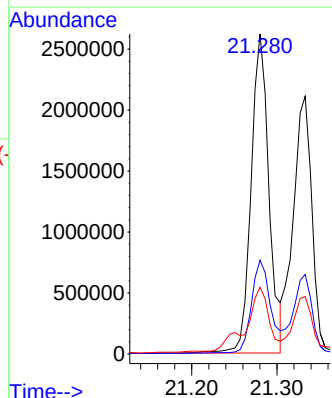
APPROVED

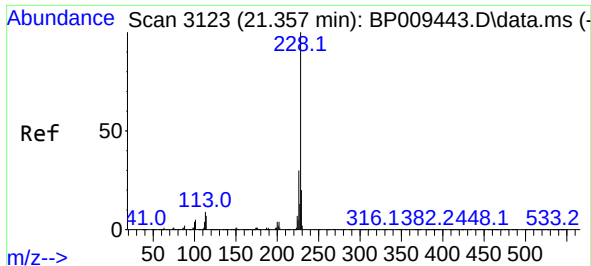
Reviewed By :Christian Giraldo 03/29/2022
 Supervised By :Jagrut Upadhyay 03/29/2022



#81
 Benzo(a)anthracene
 Concen: 37.962 ng
 RT: 21.280 min Scan# 3110
 Delta R.T. -0.006 min
 Lab File: BP009580.D
 Acq: 28 Mar 2022 23:24

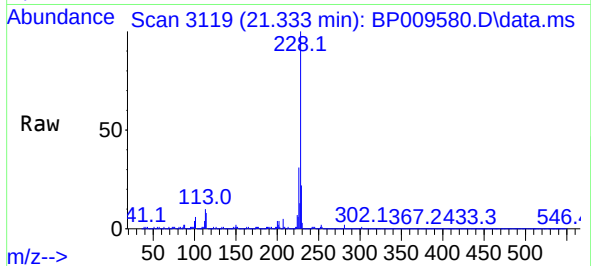
Tgt Ion:228 Resp: 3802369
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.0 33.0
 229 20.8 16.1 24.1





#83
Chrysene
Concen: 33.810 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

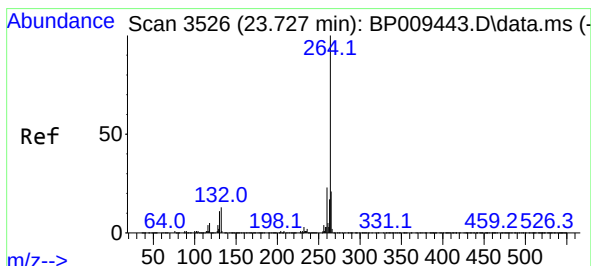
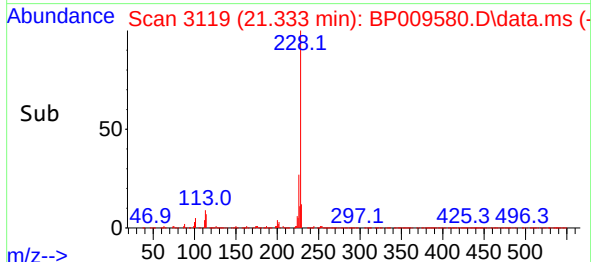
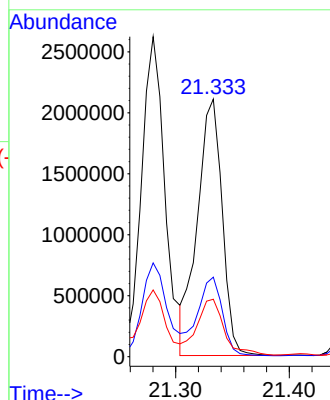
Instrument :
BNA_P
ClientSampleId :
SB-07-2.0-3.0



Tgt Ion:228 Resp: 320675
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.2
229 22.3 16.1 24.1

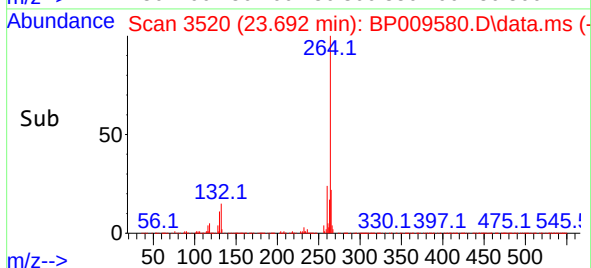
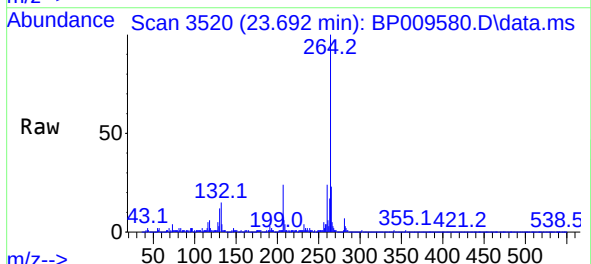
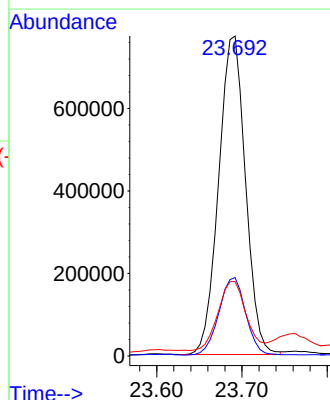
Manual Integrations
APPROVED

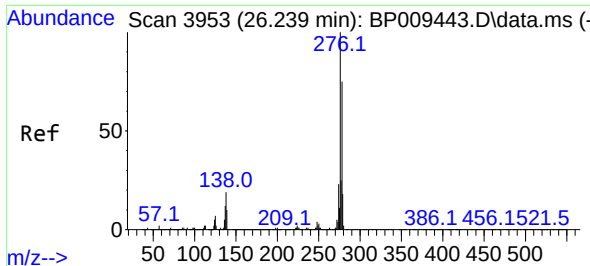
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.692 min Scan# 3520
Delta R.T. -0.000 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:264 Resp: 1690298
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.0
265 23.3 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 18.895 ng
RT: 26.180 min Scan# 3943
Delta R.T. -0.018 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Instrument :

BNA_P

ClientSampleId :

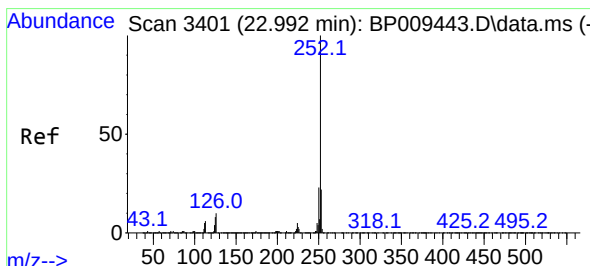
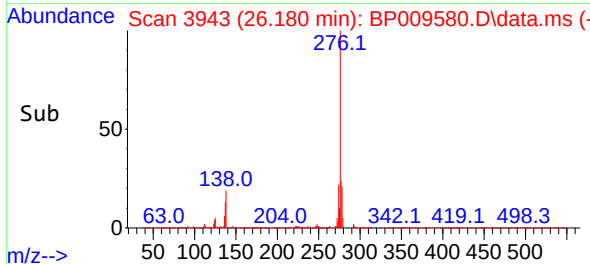
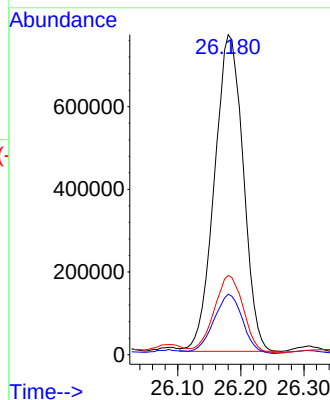
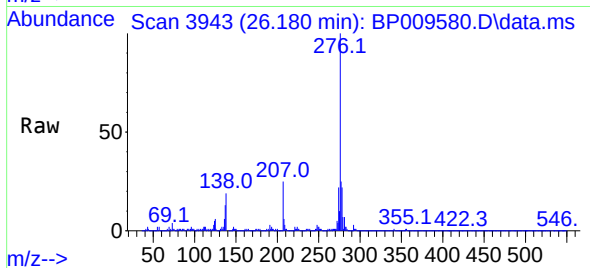
SB-07-2.0-3.0

Tgt Ion:276 Resp: 242304
Ion Ratio Lower Upper
276 100
138 18.8 20.5 30.7
277 24.8 20.4 30.6

Manual Integrations

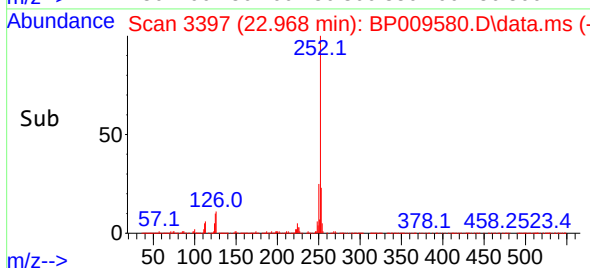
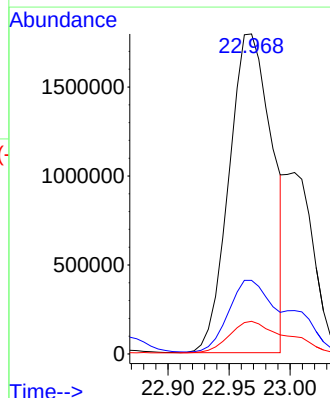
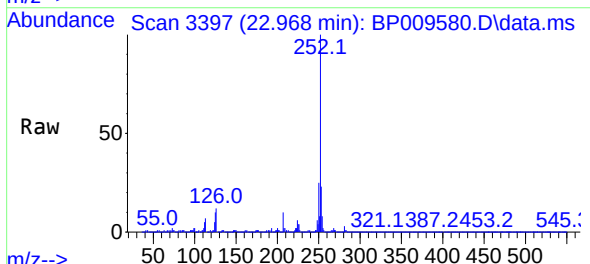
APPROVED

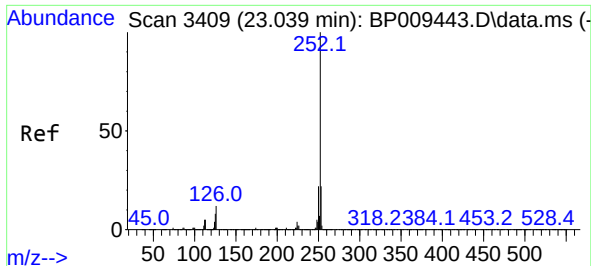
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#88
Benzo(b)fluoranthene
Concen: 43.536 ng m
RT: 22.968 min Scan# 3397
Delta R.T. 0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:252 Resp: 4393058
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 10.2 8.1 12.1





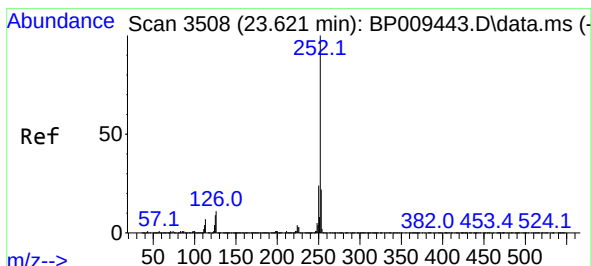
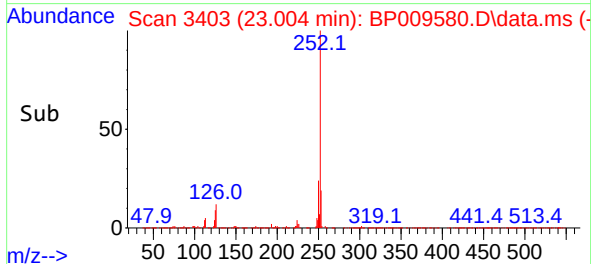
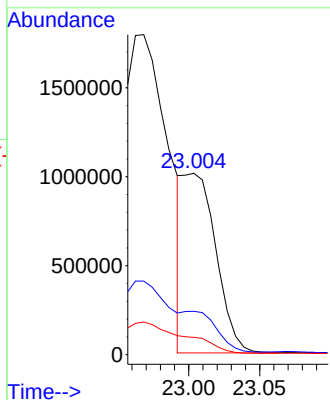
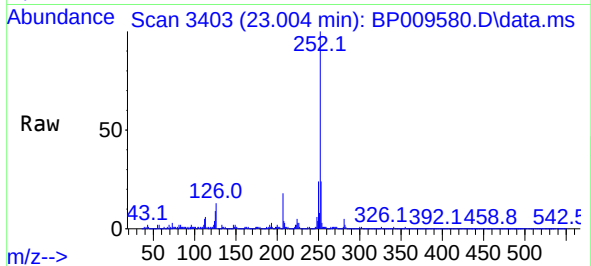
#89
Benzo(k)fluoranthene
Concen: 16.453 ng m
RT: 23.004 min Scan# 3409
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Instrument :
BNA_P
ClientSampleId :
SB-07-2.0-3.0

Tgt Ion:252 Resp: 1625534
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 9.5 8.3 12.5

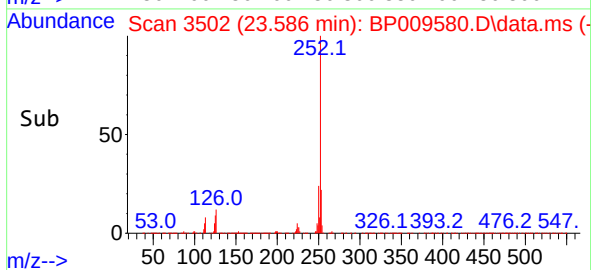
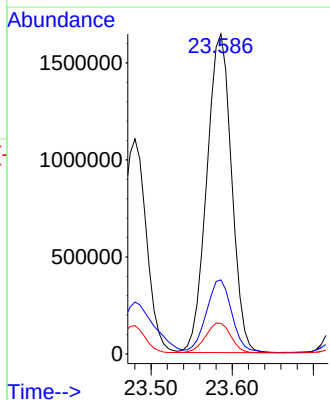
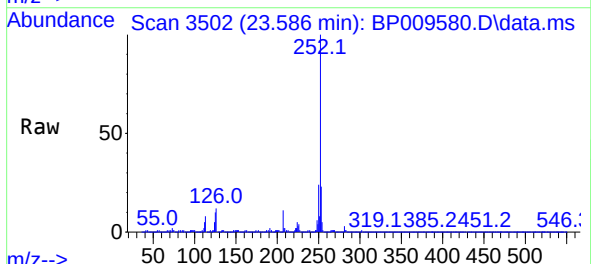
Manual Integrations
APPROVED

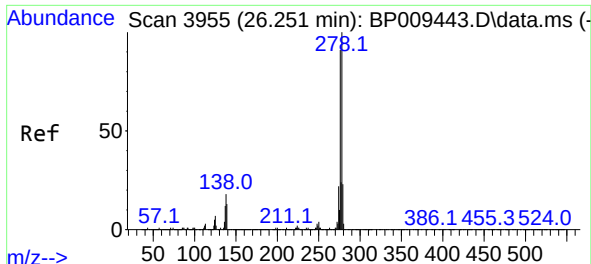
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#90
Benzo(a)pyrene
Concen: 40.295 ng
RT: 23.586 min Scan# 3502
Delta R.T. -0.000 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:252 Resp: 3478773
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 9.6 9.3 13.9





#91
Dibenzo(a,h)anthracene
Concen: 5.689 ng m
RT: 26.186 min Scan# 3955
Delta R.T. -0.024 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Instrument :

BNA_P

ClientSampleId :

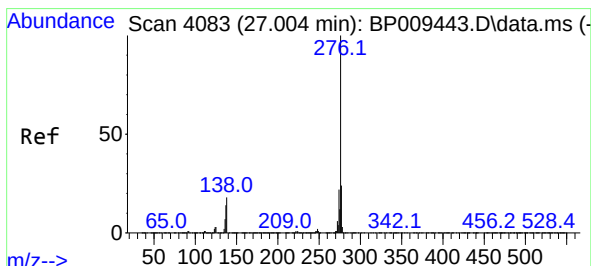
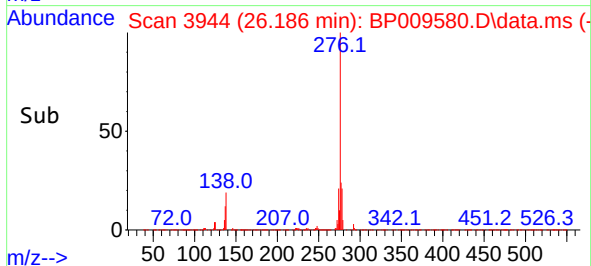
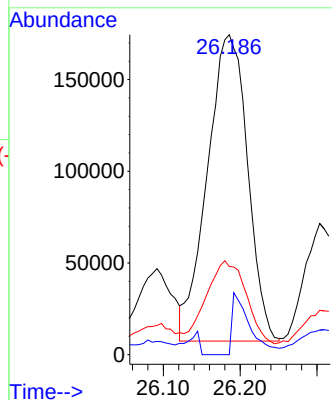
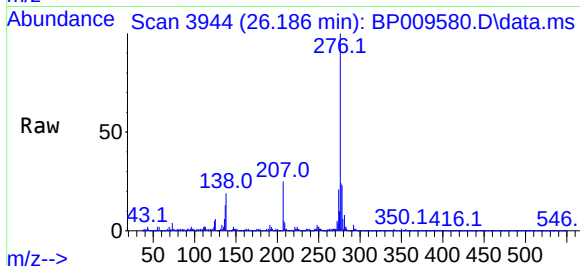
SB-07-2.0-3.0

Tgt Ion:278 Resp: 608000
Ion Ratio Lower Upper
278 100
139 0.0 13.2 19.8
279 27.5 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#92
Benzo(g,h,i)perylene
Concen: 22.449 ng
RT: 26.945 min Scan# 4073
Delta R.T. -0.006 min
Lab File: BP009580.D
Acq: 28 Mar 2022 23:24

Tgt Ion:276 Resp: 2360321
Ion Ratio Lower Upper
276 100
277 24.8 19.2 28.8
138 19.2 18.0 27.0

