

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
 Data File : BP009526.D
 Acq On : 24 Mar 2022 02:30
 Operator : CG/JU
 Sample : N1977-01 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-12-20220315-16.0-17.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/24/2022
 Supervised By : Jagrut Upadhyay 03/24/2022

Quant Time: Mar 24 03:54:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 01:19:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	514741	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1949819	20.000	ng	0.00
39) Acenaphthene-d10	14.434	164	1023266	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	1736186	20.000	ng	0.00
76) Chrysene-d12	21.316	240	1748296	20.000	ng	0.00
86) Perylene-d12	23.721	264	2026431	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	309696	10.504	ng	0.00
7) Phenol-d6	6.981	99	394447	9.893	ng	0.00
23) Nitrobenzene-d5	8.946	82	238245	6.493	ng	0.00
42) 2,4,6-Tribromophenol	15.939	330	111389	6.597	ng	0.00
45) 2-Fluorobiphenyl	13.051	172	525984	7.126	ng	0.00
79) Terphenyl-d14	19.775	244	595961	6.118	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.634	128	9657940	96.161	ng	99
37) 2-Methylnaphthalene	12.251	142	1028046	14.589	ng	99
38) 1-Methylnaphthalene	12.475	142	5012090	73.011	ng	99
46) 1,1'-Biphenyl	13.263	154	345911	4.531	ng	98
49) Acenaphthylene	14.151	152	751389	8.099	ng	# 89
52) Acenaphthene	14.498	154	4157821	75.021	ng	99
55) Dibenzofuran	14.834	168	538208	5.780	ng	# 82
58) Fluorene	15.487	166	2212895	30.220	ng	99
71) Phenanthrene	17.245	178	10941305	117.726	ng	98
72) Anthracene	17.334	178	3802774	41.443	ng	99
75) Fluoranthene	19.228	202	9957416	88.498	ng	98
78) Pyrene	19.580	202	10893389	94.557	ng	97
81) Benzo(a)anthracene	21.304	228	6335940m	55.161	ng	
83) Chrysene	21.351	228	5055973	46.486	ng	98
87) Indeno(1,2,3-cd)pyrene	26.239	276	4207020	27.364	ng	# 93
88) Benzo(b)fluoranthene	22.992	252	7583263m	62.686	ng	
89) Benzo(k)fluoranthene	23.033	252	2217736m	18.724	ng	
90) Benzo(a)pyrene	23.621	252	6709198	64.822	ng	97
91) Dibenzo(a,h)anthracene	26.245	278	1009519	7.879	ng	95
92) Benzo(g,h,i)perylene	27.009	276	4200480	33.324	ng	96

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

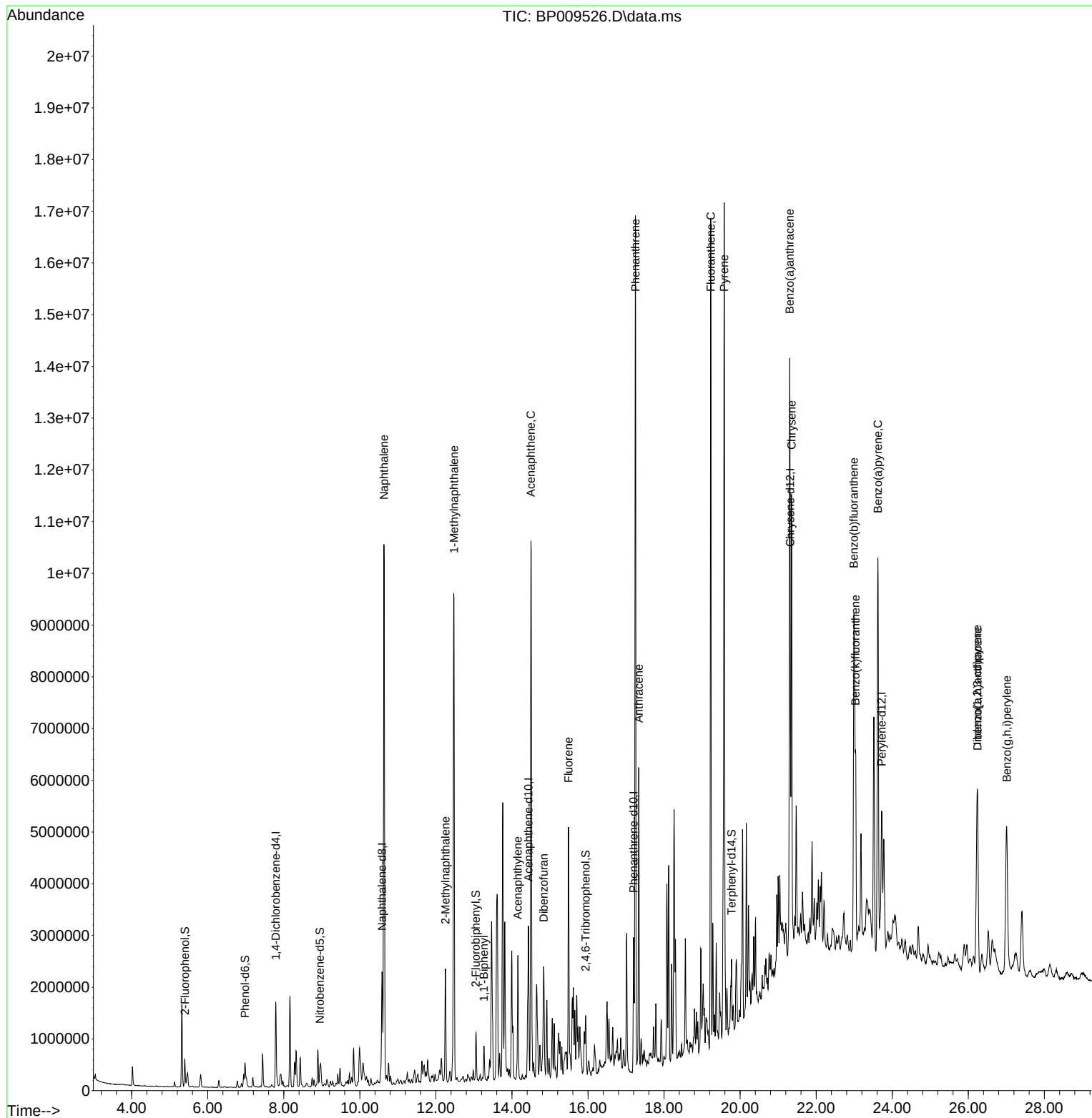
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009526.D
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ALS Vial : 18 Sample Multiplier: 1

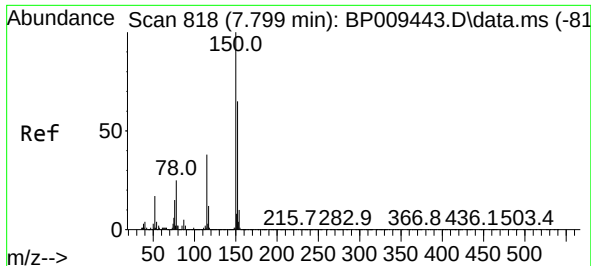
Instrument :
BNA_P
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SB-12-20220315-16.0-17.0

Quant Time: Mar 24 03:54:38 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 24 01:19:11 2022
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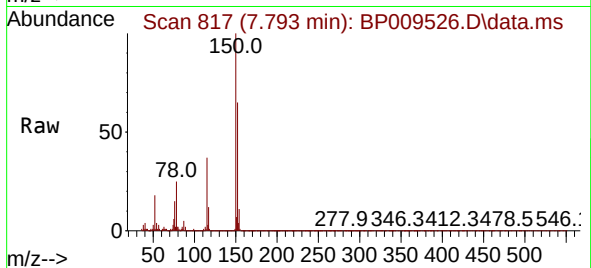
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

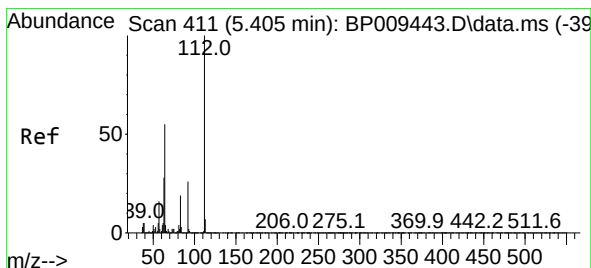
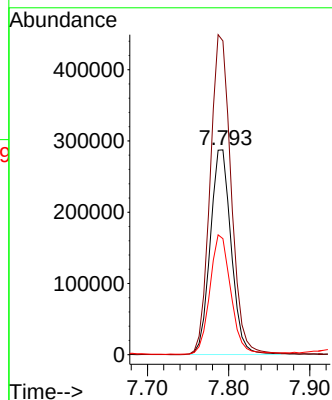
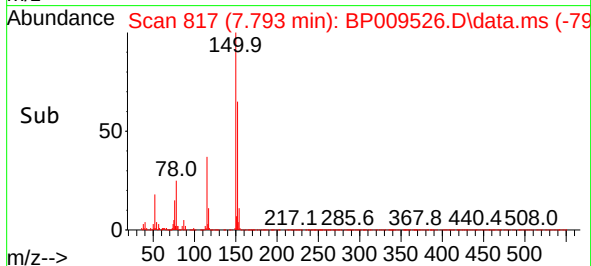
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0



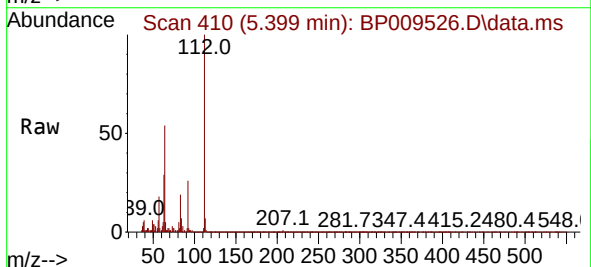
Tgt Ion:152 Resp: 51474
Ion Ratio Lower Upper
152 100
150 153.2 124.5 186.7
115 56.6 48.2 72.4

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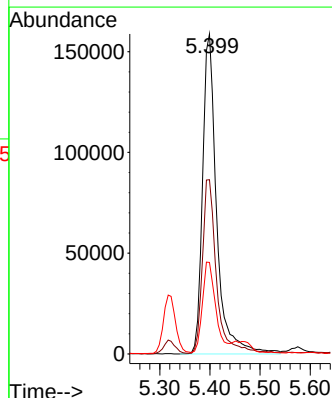
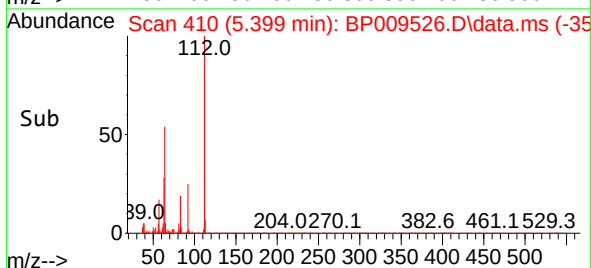
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

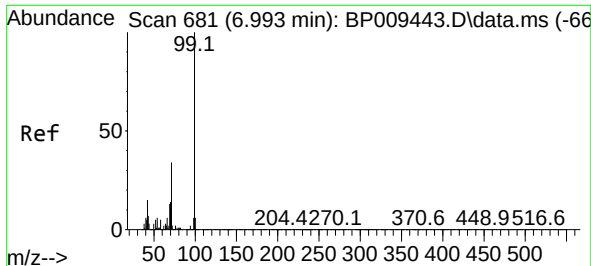


#5
2-Fluorophenol
Concen: 10.504 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30



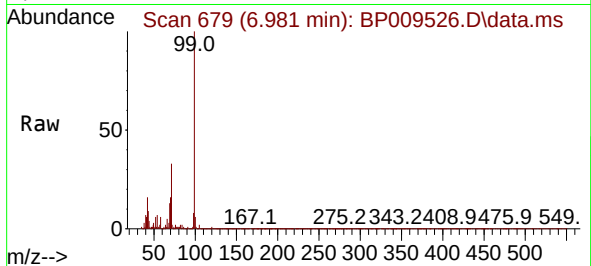
Tgt Ion:112 Resp: 309696
Ion Ratio Lower Upper
112 100
64 54.4 45.0 67.4
63 28.6 23.0 34.6





#7
Phenol-d6
Concen: 9.893 ng
RT: 6.981 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

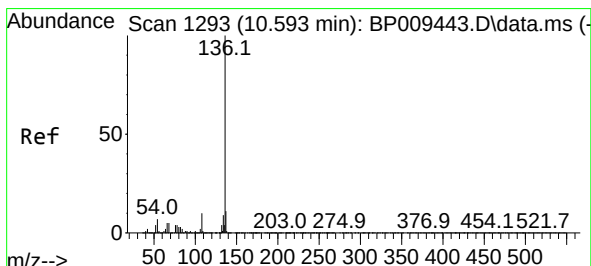
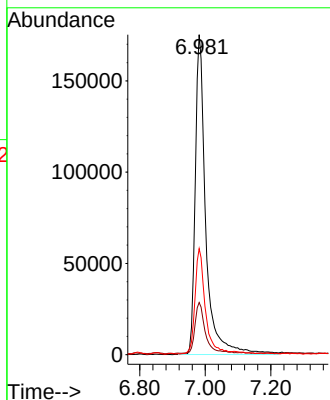
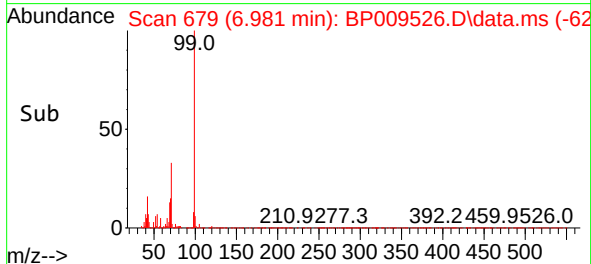
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0



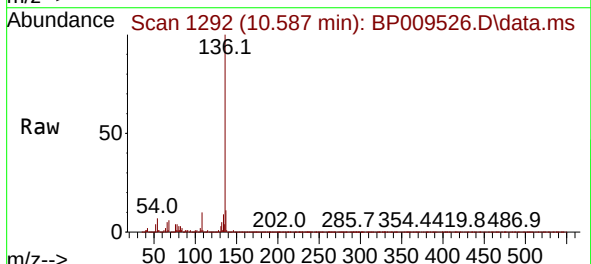
Tgt Ion: 99 Resp: 39444
Ion Ratio Lower Upper
99 100
42 16.3 12.8 19.2
71 33.2 26.3 39.5

Manual Integrations
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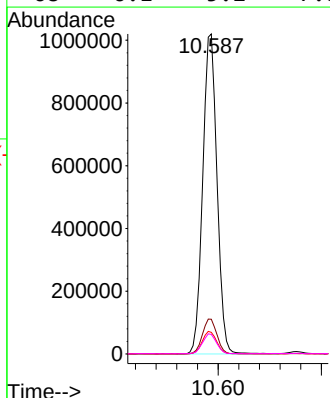
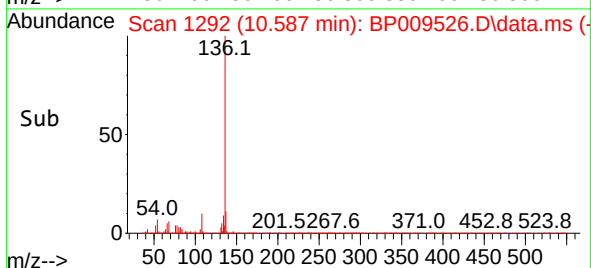
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

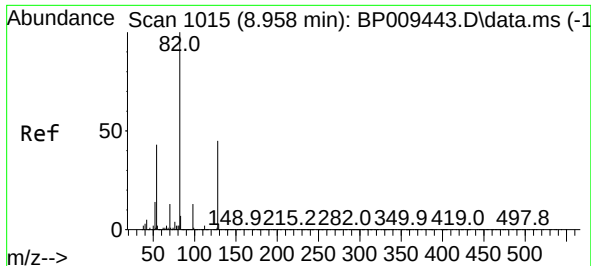


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. 0.006 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30



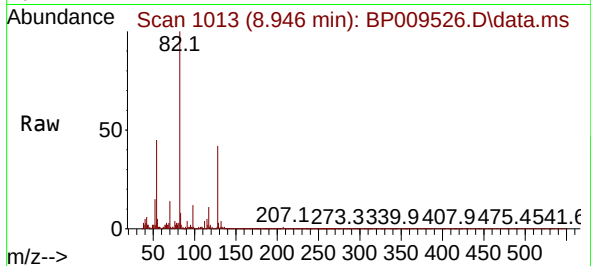
Tgt Ion:136 Resp: 1949819
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.7 5.8 8.8
68 6.1 5.2 7.8





#23
Nitrobenzene-d5
Concen: 6.493 ng
RT: 8.946 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

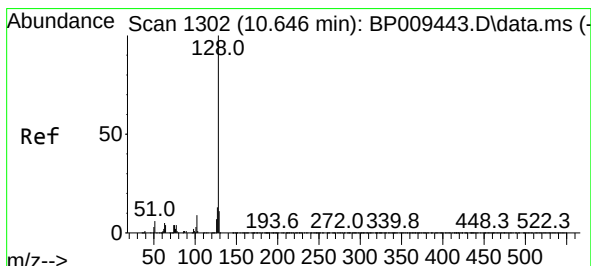
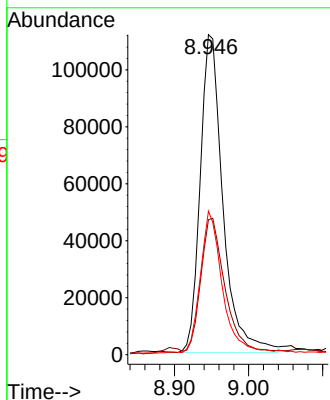
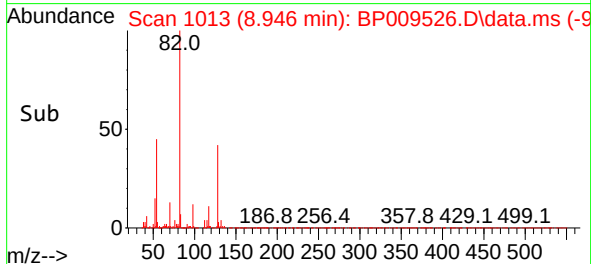
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0



Tgt Ion: 82 Resp: 238245
Ion Ratio Lower Upper
82 100
128 42.1 34.2 51.4
54 44.8 34.7 52.1

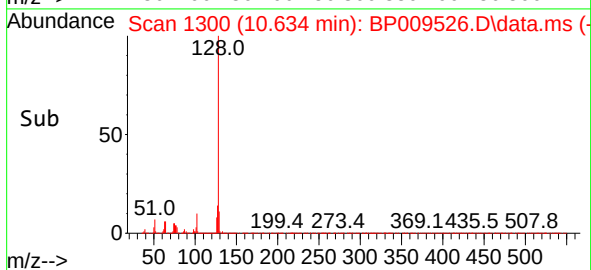
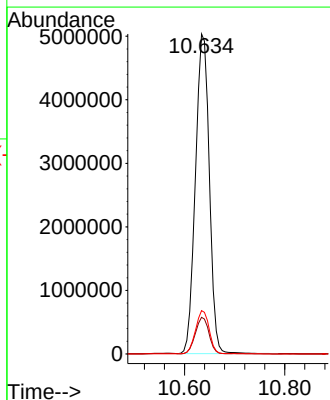
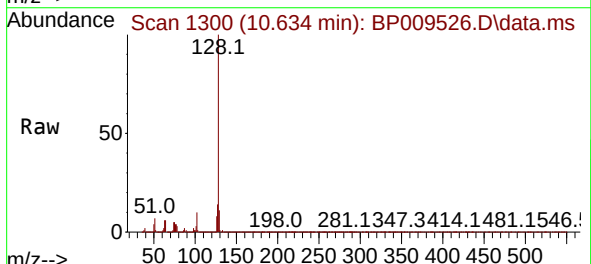
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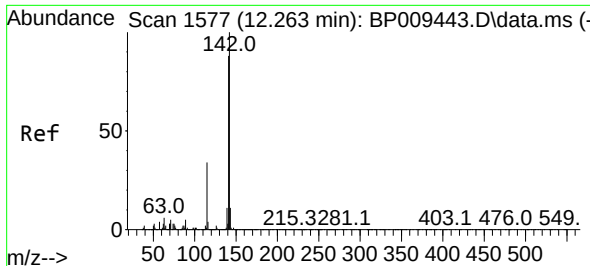
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#31
Naphthalene
Concen: 96.161 ng
RT: 10.634 min Scan# 1300
Delta R.T. 0.000 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

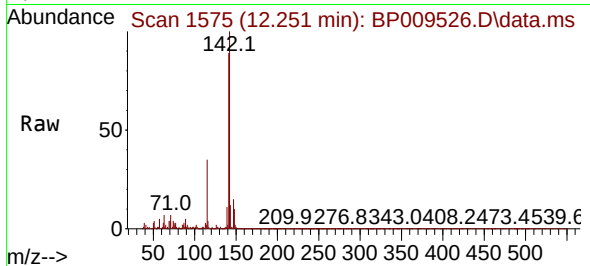
Tgt Ion:128 Resp: 9657940
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 13.6 10.5 15.7





#37
2-Methylnaphthalene
Concen: 14.589 ng
RT: 12.251 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

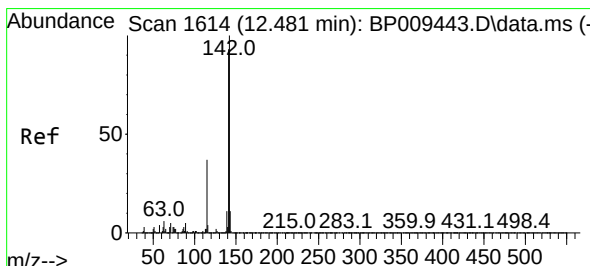
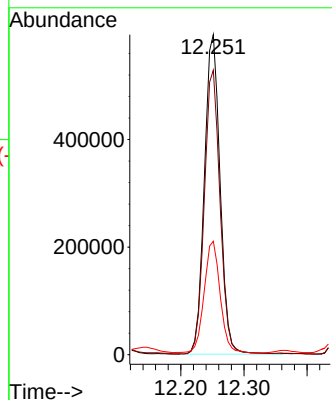
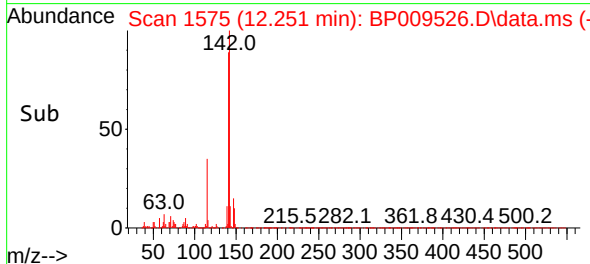
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0



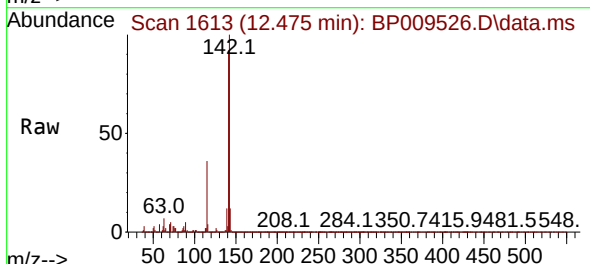
Tgt Ion:142 Resp: 1028040
Ion Ratio Lower Upper
142 100
141 88.9 70.2 105.4
115 35.4 27.4 41.2

Manual Integrations
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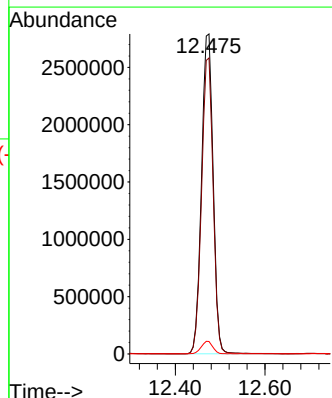
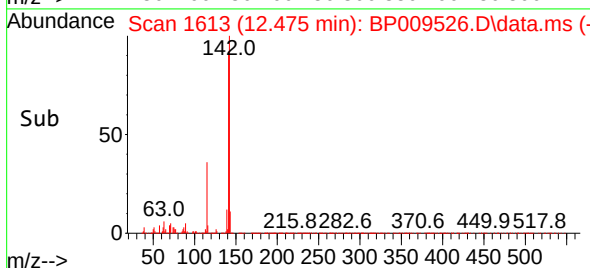
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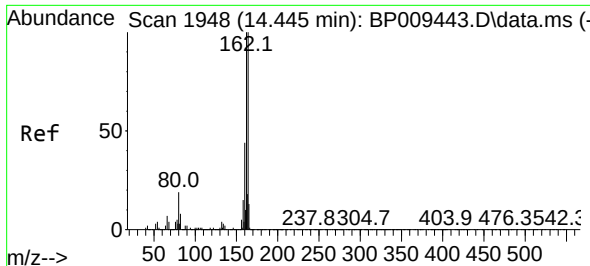


#38
1-Methylnaphthalene
Concen: 73.011 ng
RT: 12.475 min Scan# 1613
Delta R.T. 0.006 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30



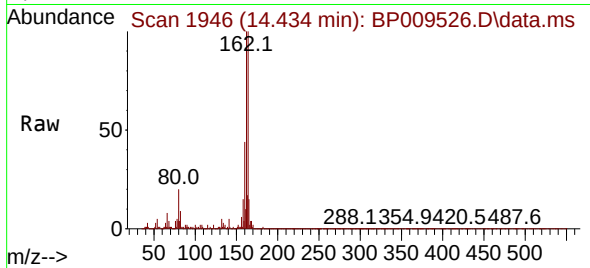
Tgt Ion:142 Resp: 5012090
Ion Ratio Lower Upper
142 100
141 92.5 73.5 110.3
116 3.9 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.434 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

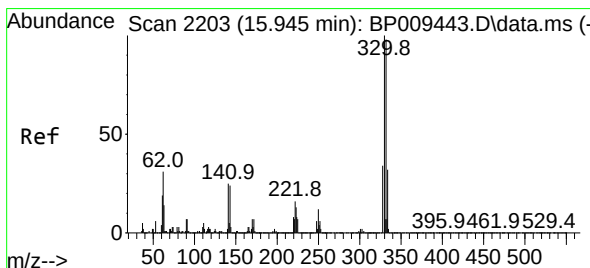
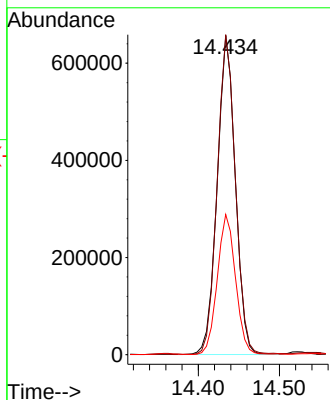
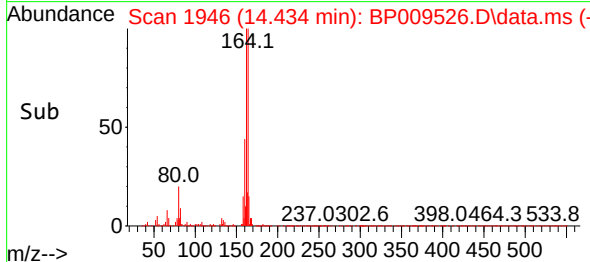
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Tgt Ion:164 Resp: 1023260
Ion Ratio Lower Upper
164 100
162 100.3 79.1 118.7
160 43.9 34.9 52.3

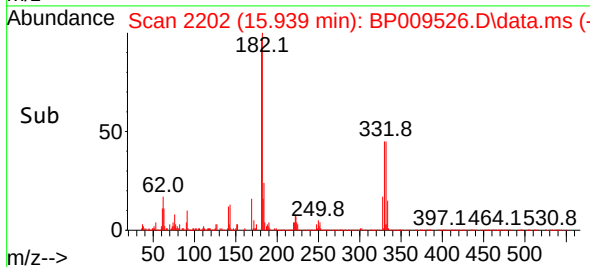
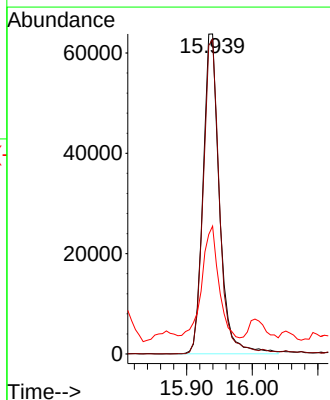
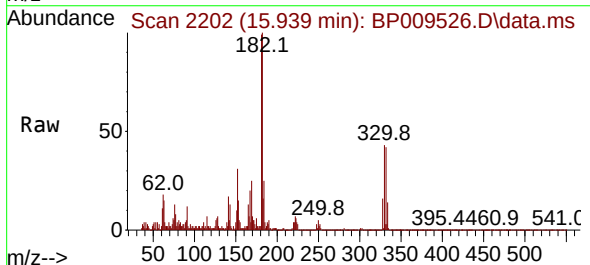
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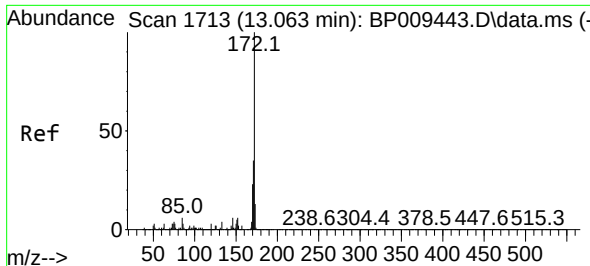
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#42
2,4,6-Tribromophenol
Concen: 6.597 ng
RT: 15.939 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

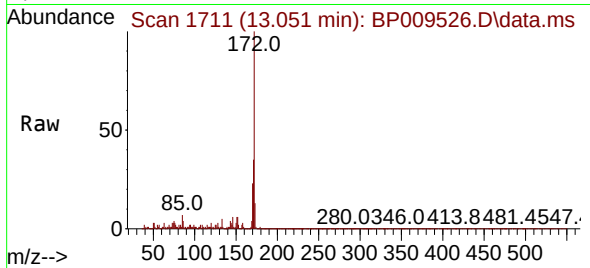
Tgt Ion:330 Resp: 111389
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 35.4 27.6 41.4





#45
2-Fluorobiphenyl
Concen: 7.126 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.006 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

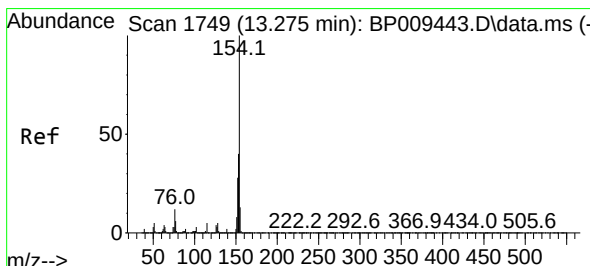
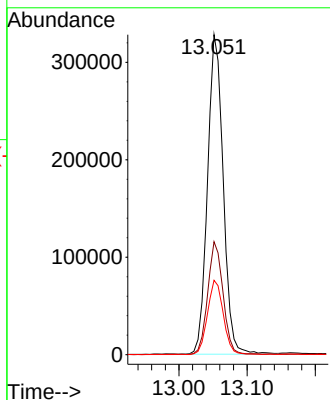
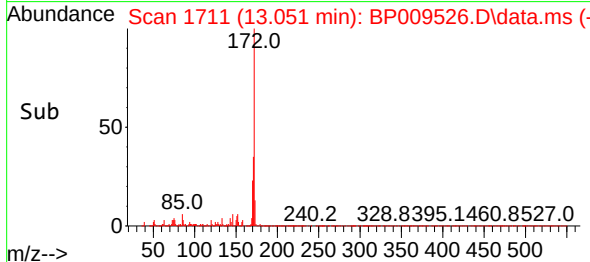
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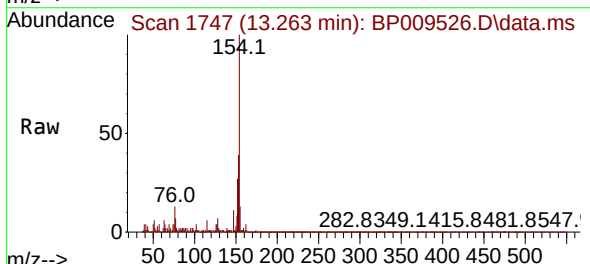
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Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 23.2 18.6 27.8

Manual Integrations
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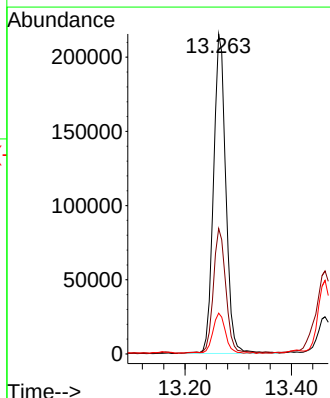
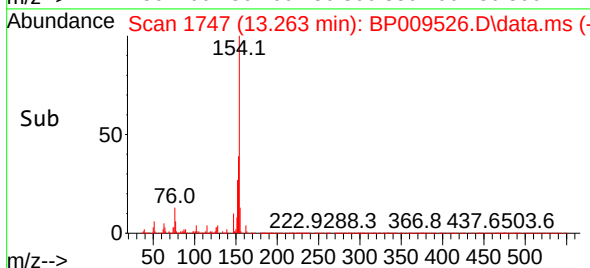
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

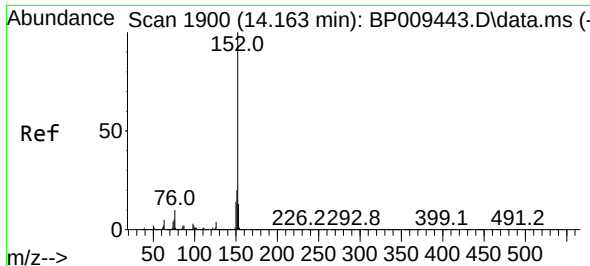


#46
1,1'-Biphenyl
Concen: 4.531 ng
RT: 13.263 min Scan# 1747
Delta R.T. 0.000 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30



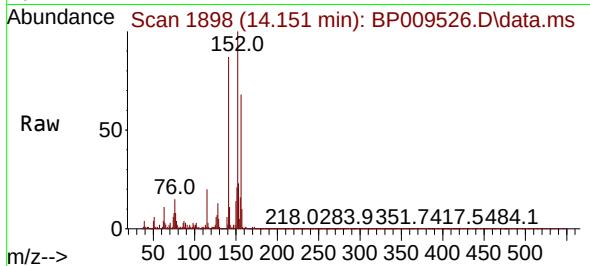
Tgt Ion:154 Resp: 345911
Ion Ratio Lower Upper
154 100
153 39.2 20.2 60.2
76 12.8 0.0 34.0





#49
Acenaphthylene
Concen: 8.099 ng
RT: 14.151 min Scan# 1898
Delta R.T. 0.000 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

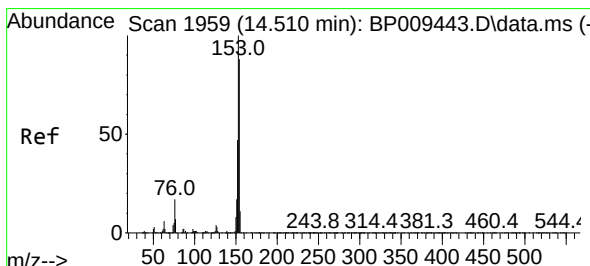
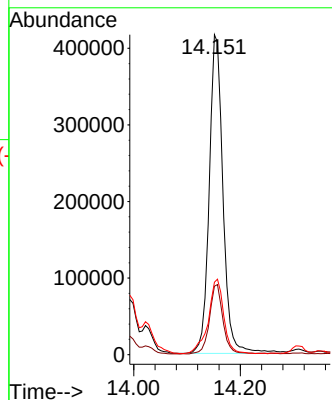
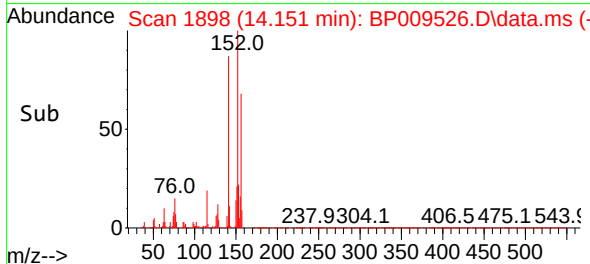
Instrument :
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ClientSampleId :
SB-12-20220315-16.0-17.0



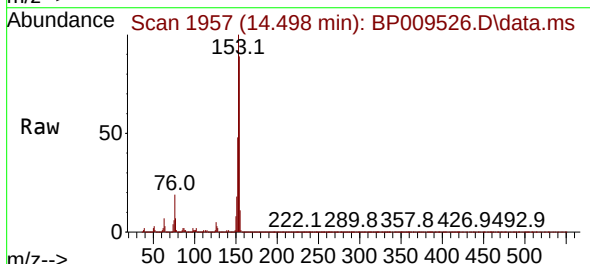
Tgt Ion:152 Resp: 751389
Ion Ratio Lower Upper
152 100
151 21.4 15.9 23.9
153 22.6 10.7 16.1

Manual Integrations
APPROVED

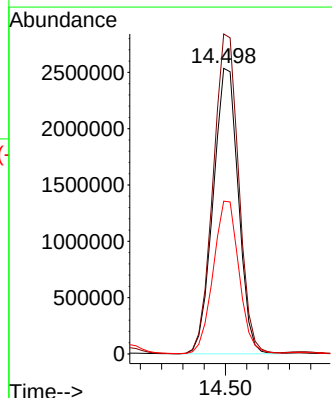
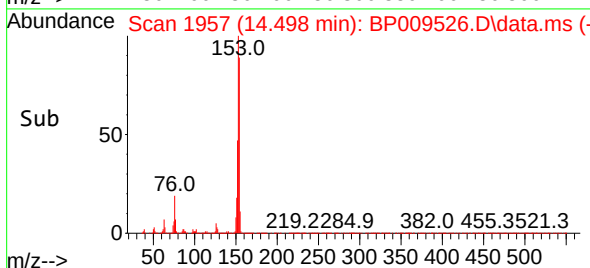
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022

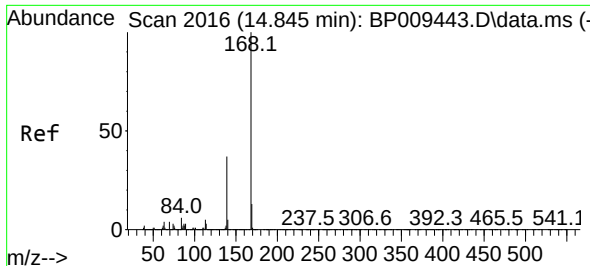


#52
Acenaphthene
Concen: 75.021 ng
RT: 14.498 min Scan# 1957
Delta R.T. 0.000 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30



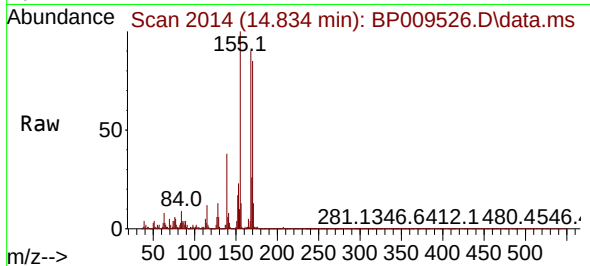
Tgt Ion:154 Resp: 4157821
Ion Ratio Lower Upper
154 100
153 112.0 90.2 135.4
152 53.5 42.7 64.1





#55
Dibenzenofuran
Concen: 5.780 ng
RT: 14.834 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

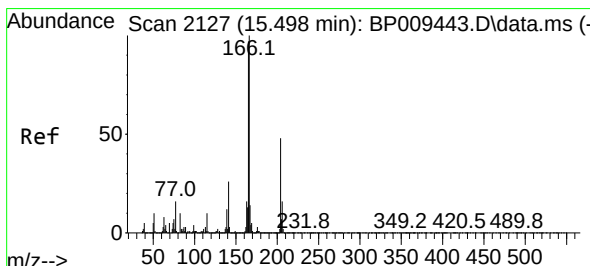
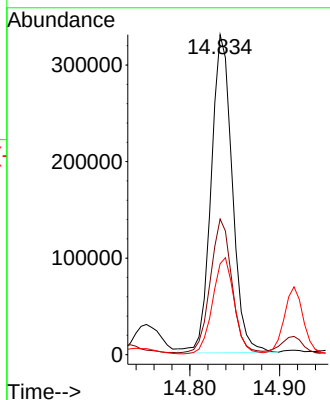
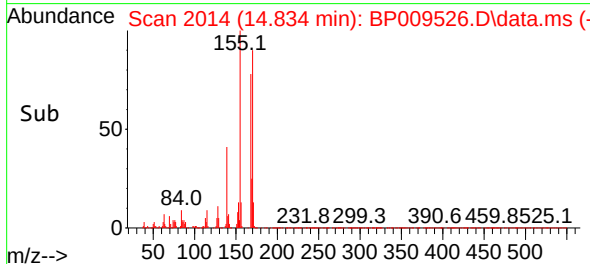
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0



Tgt Ion:168 Resp: 538208
Ion Ratio Lower Upper
168 100
139 42.4 29.1 43.7
169 28.4 10.6 16.0

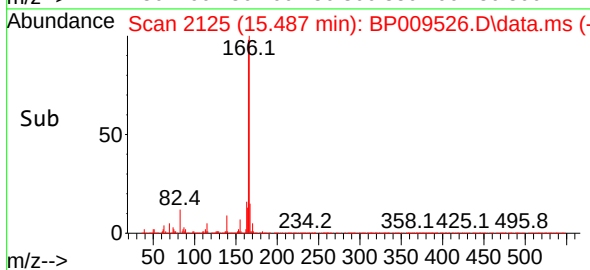
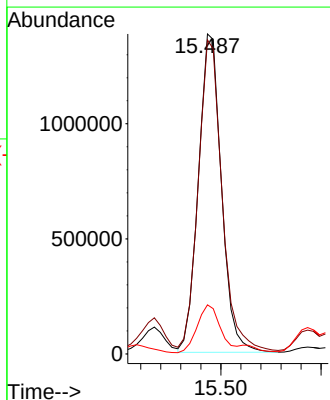
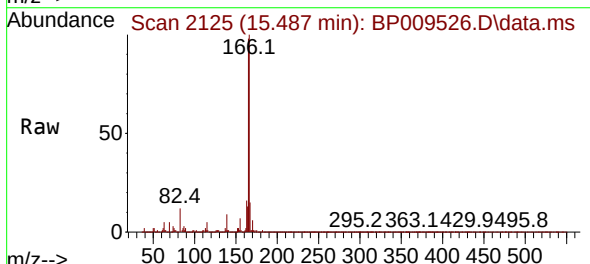
Manual Integrations
APPROVED

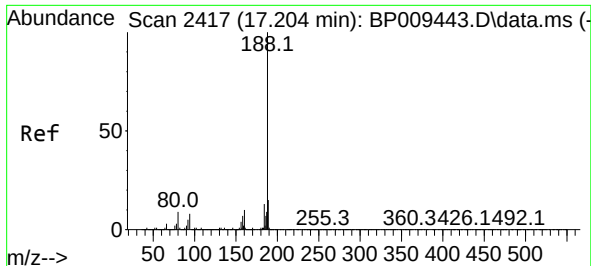
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#58
Fluorene
Concen: 30.220 ng
RT: 15.487 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

Tgt Ion:166 Resp: 2212895
Ion Ratio Lower Upper
166 100
165 98.2 79.2 118.8
167 15.4 10.7 16.1





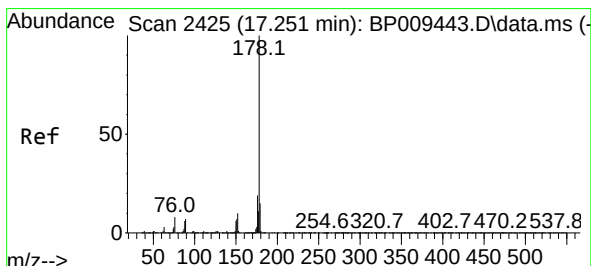
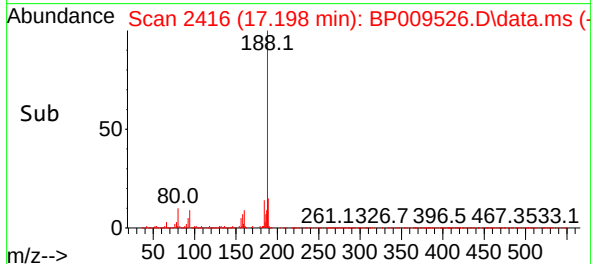
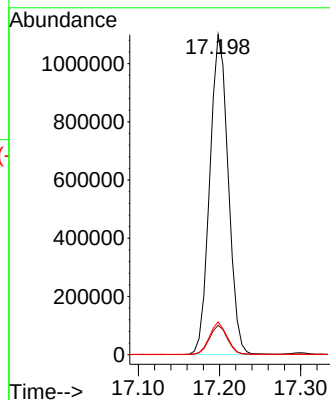
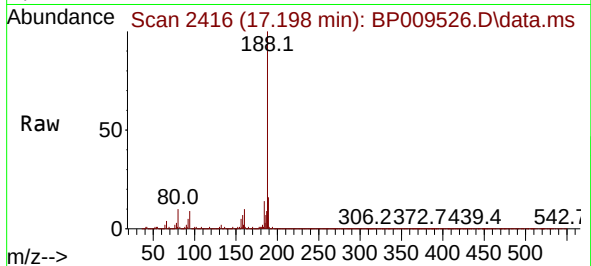
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0

Tgt Ion:188 Resp: 1736180
Ion Ratio Lower Upper
188 100
94 9.1 7.9 11.9
80 10.3 8.8 13.2

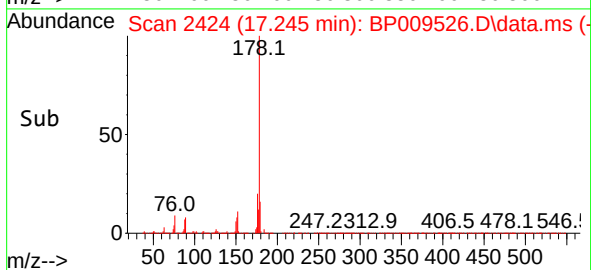
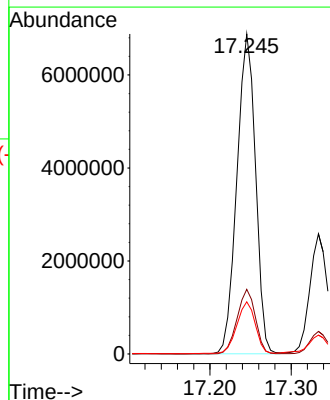
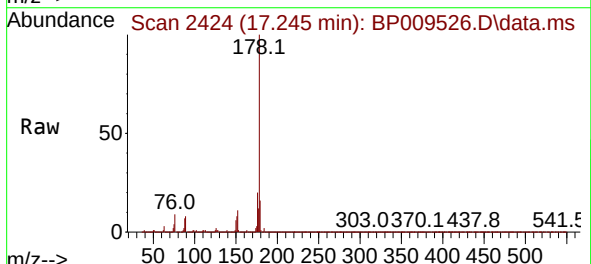
Manual Integrations
APPROVED

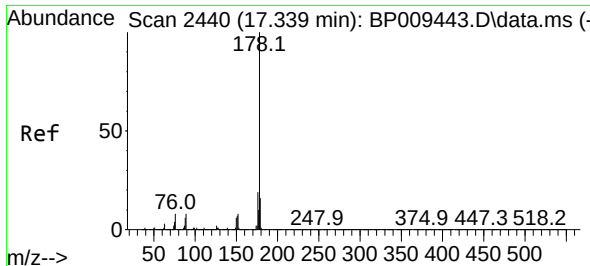
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#71
Phenanthrene
Concen: 117.726 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.006 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

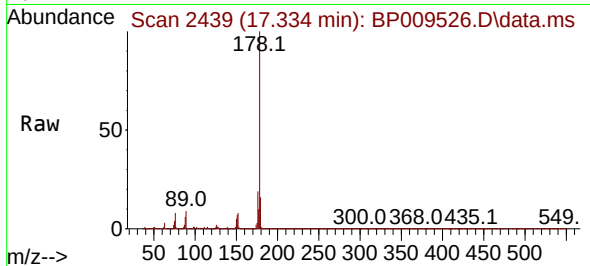
Tgt Ion:178 Resp:10941305
Ion Ratio Lower Upper
178 100
176 20.2 15.4 23.2
179 16.3 12.3 18.5





#72
 Anthracene
 Concen: 41.443 ng
 RT: 17.334 min Scan# 2440
 Delta R.T. 0.000 min
 Lab File: BP009526.D
 Acq: 24 Mar 2022 02:30

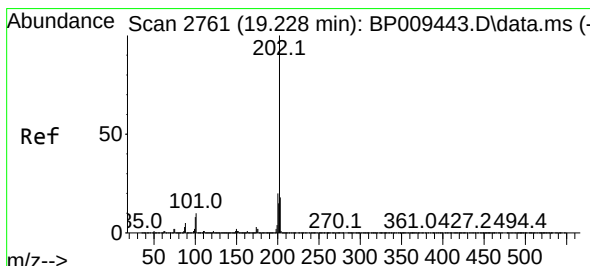
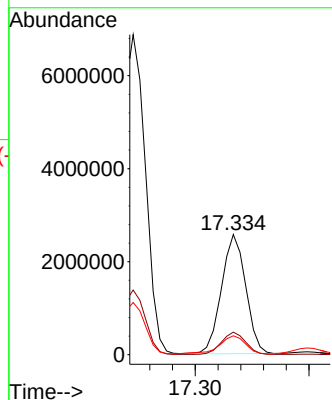
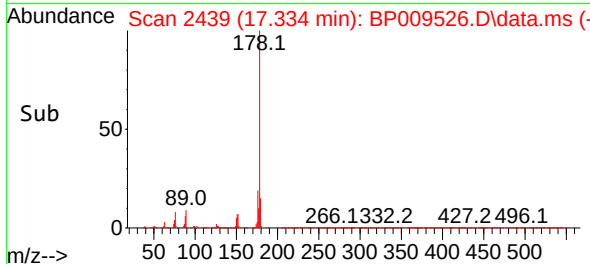
Instrument :
 BNA_P
 ClientSampleId :
 SB-12-20220315-16.0-17.0



Tgt Ion:178 Resp: 3802774
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 15.8 12.2 18.4

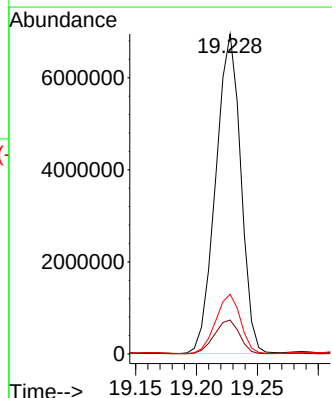
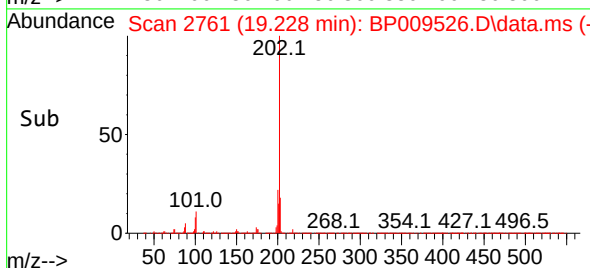
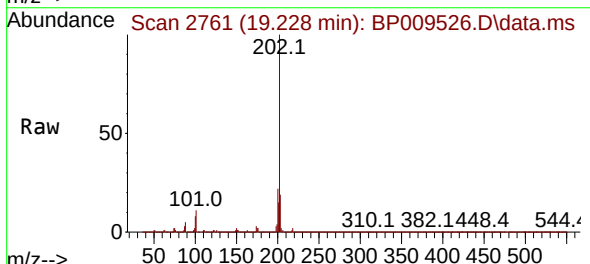
Manual Integrations
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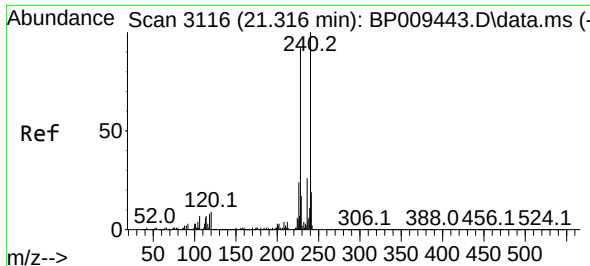
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022



#75
 Fluoranthene
 Concen: 88.498 ng
 RT: 19.228 min Scan# 2761
 Delta R.T. 0.006 min
 Lab File: BP009526.D
 Acq: 24 Mar 2022 02:30

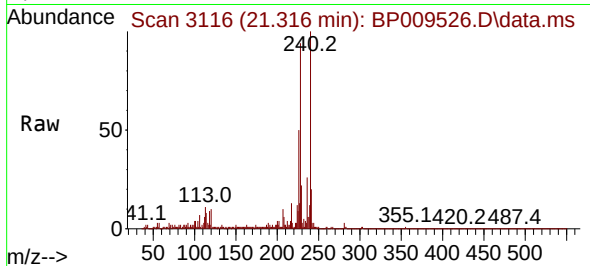
Tgt Ion:202 Resp: 9957416
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.5
 203 18.6 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.316 min Scan# 3116
Delta R.T. 0.000 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

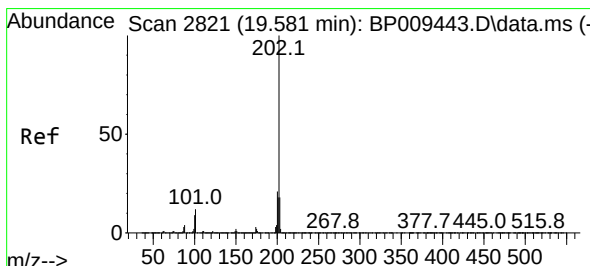
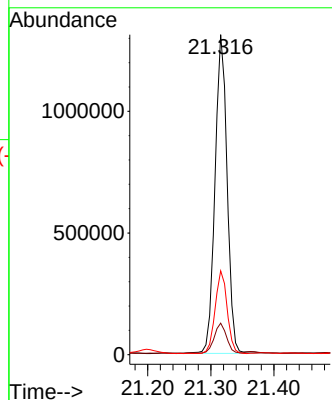
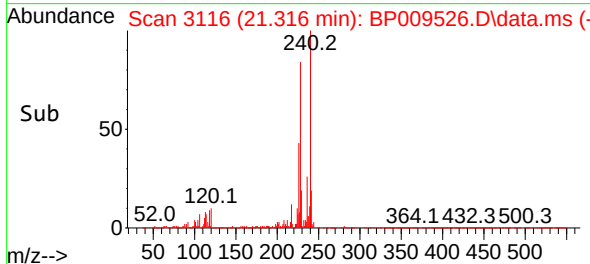
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0



Tgt Ion:240 Resp: 1748290
Ion Ratio Lower Upper
240 100
120 9.9 9.0 13.4
236 26.2 20.6 30.8

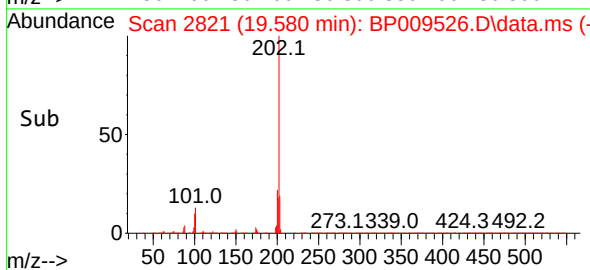
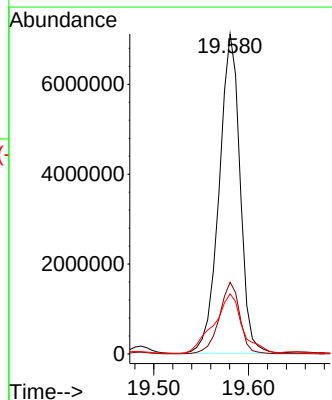
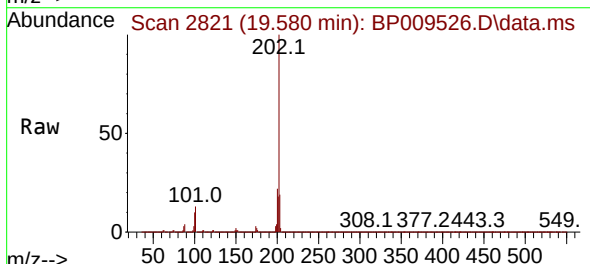
Manual Integrations
APPROVED

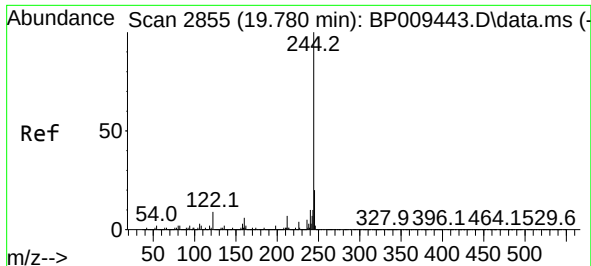
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#78
Pyrene
Concen: 94.557 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

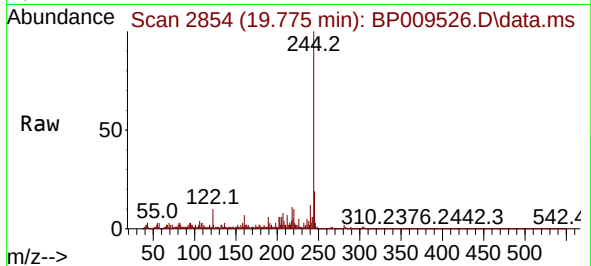
Tgt Ion:202 Resp:10893389
Ion Ratio Lower Upper
202 100
200 22.4 16.8 25.2
203 18.8 14.2 21.4





#79
 Terphenyl-d14
 Concen: 6.118 ng
 RT: 19.775 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009526.D
 Acq: 24 Mar 2022 02:30

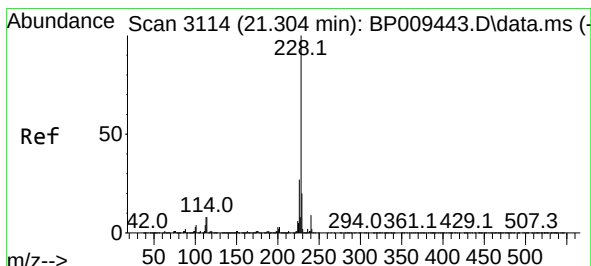
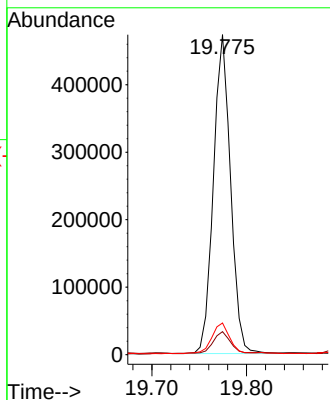
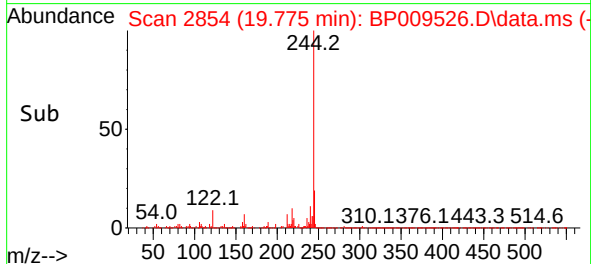
Instrument :
 BNA_P
 ClientSampleId :
 SB-12-20220315-16.0-17.0



Tgt Ion:244 Resp: 59596
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.9 8.3 12.5

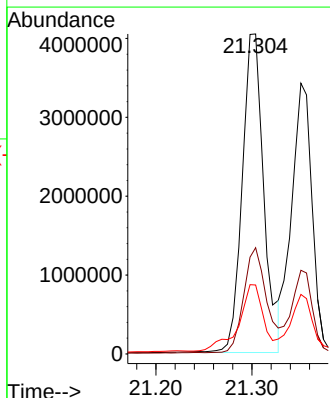
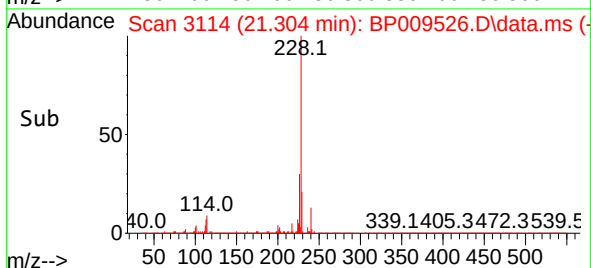
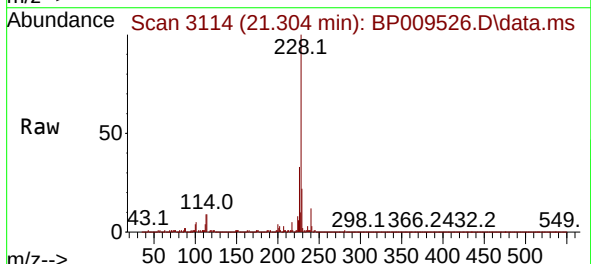
Manual Integrations
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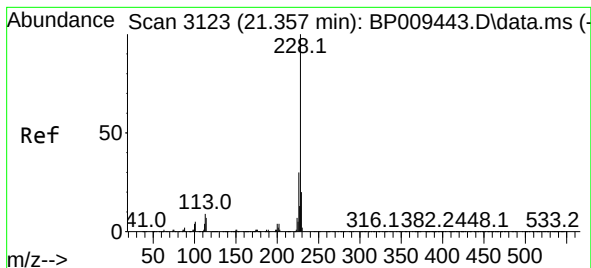
Reviewed By :Christian Giraldo 03/24/2022
 Supervised By :Jagrut Upadhyay 03/24/2022



#81
 Benzo(a)anthracene
 Concen: 55.161 ng m
 RT: 21.304 min Scan# 3114
 Delta R.T. 0.006 min
 Lab File: BP009526.D
 Acq: 24 Mar 2022 02:30

Tgt Ion:228 Resp: 6335940
 Ion Ratio Lower Upper
 228 100
 226 33.2 22.0 33.0#
 229 21.5 16.1 24.1





#83

Chrysene

Concen: 46.486 ng

RT: 21.351 min Scan# 3123

Delta R.T. 0.000 min

Lab File: BP009526.D

Acq: 24 Mar 2022 02:30

Instrument :

BNA_P

ClientSampleId :

SB-12-20220315-16.0-17.0

Tgt Ion: 228 Resp: 505597

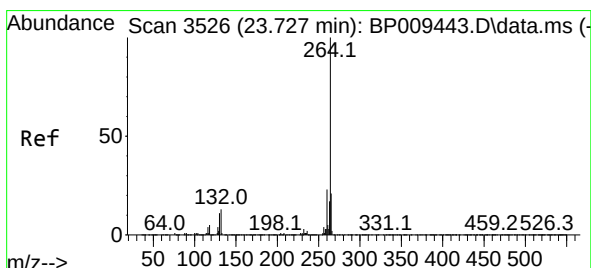
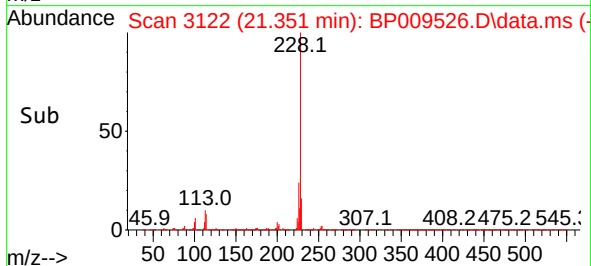
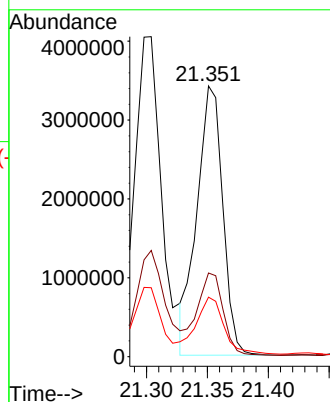
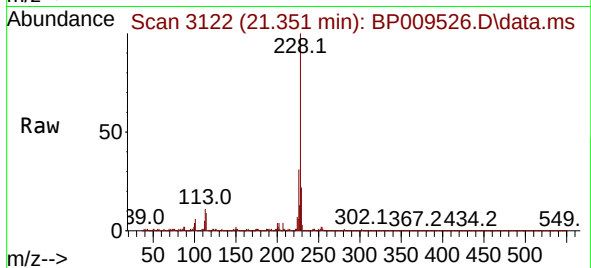
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.2	36.2
229	22.0	16.1	24.1

Manual Integrations

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Reviewed By : Christian Giraldo 03/24/2022

Supervised By : Jagrut Upadhyay 03/24/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.721 min Scan# 3525

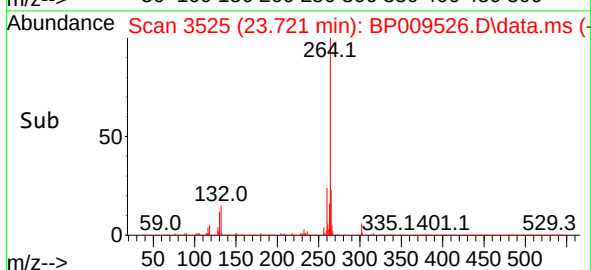
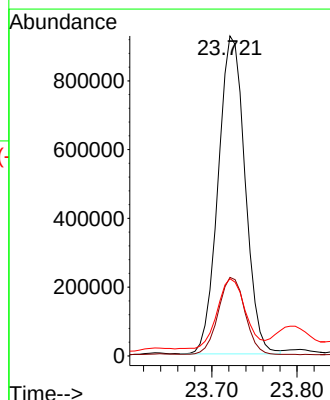
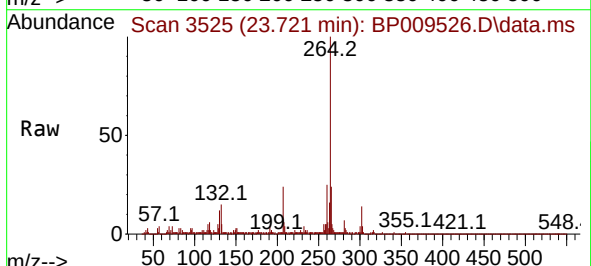
Delta R.T. 0.006 min

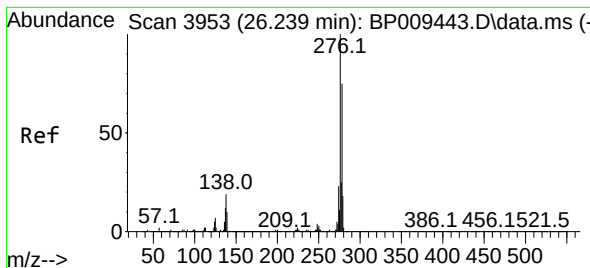
Lab File: BP009526.D

Acq: 24 Mar 2022 02:30

Tgt Ion: 264 Resp: 2026431

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	24.2	17.2	25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 27.364 ng

RT: 26.239 min Scan# 3953

Delta R.T. 0.012 min

Lab File: BP009526.D

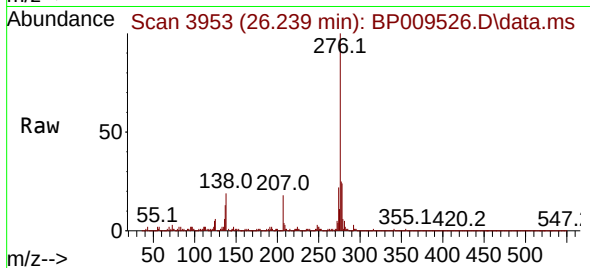
Acq: 24 Mar 2022 02:30

Instrument :

BNA_P

ClientSampleId :

SB-12-20220315-16.0-17.0



Tgt Ion:276 Resp: 4207020

Ion Ratio Lower Upper

276 100

138 18.6 20.5 30.7

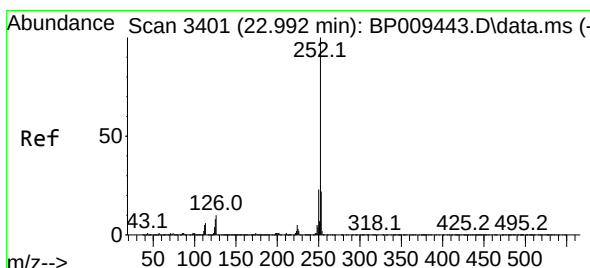
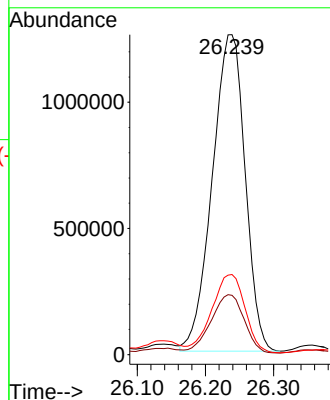
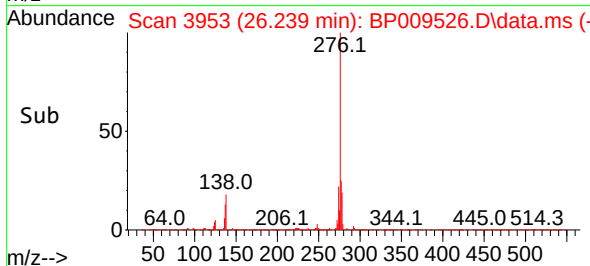
277 25.2 20.4 30.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/24/2022

Supervised By :Jagrut Upadhyay 03/24/2022



#88

Benzo(b)fluoranthene

Concen: 62.686 ng m

RT: 22.992 min Scan# 3401

Delta R.T. 0.006 min

Lab File: BP009526.D

Acq: 24 Mar 2022 02:30

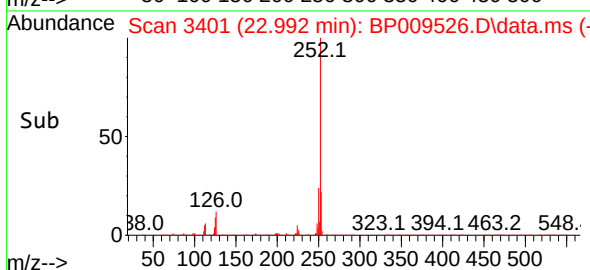
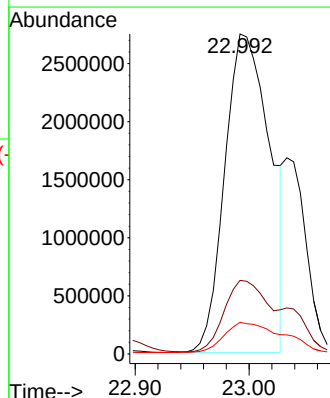
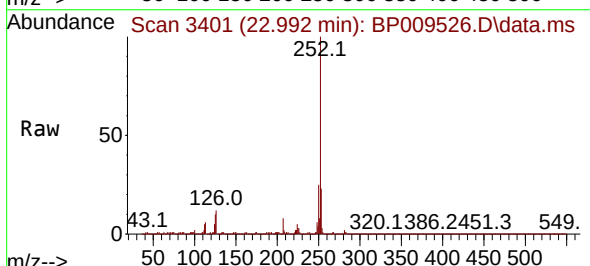
Tgt Ion:252 Resp: 7583263

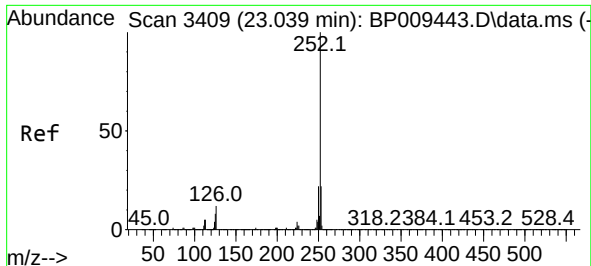
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

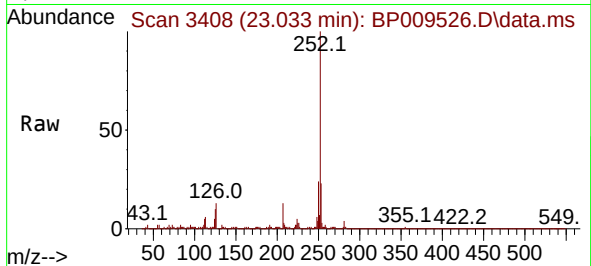
125 9.9 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 18.724 ng m
RT: 23.033 min Scan# 3409
Delta R.T. -0.006 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

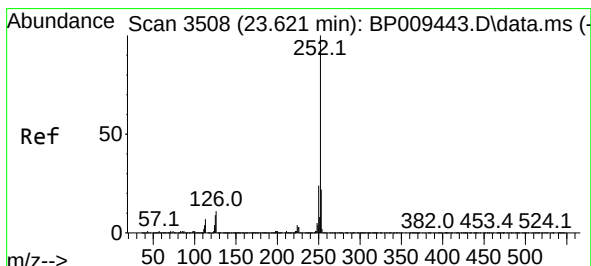
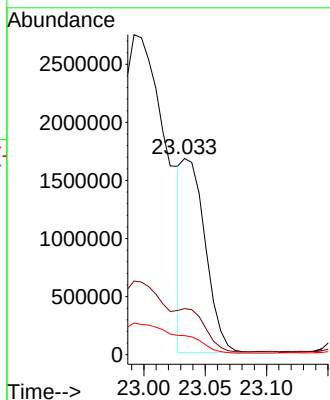
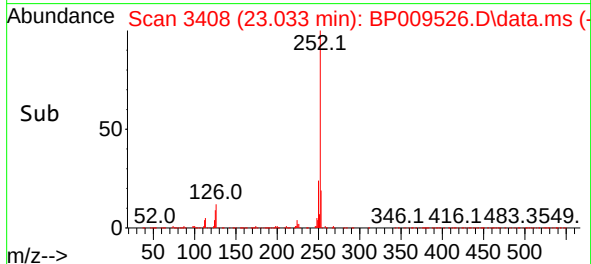
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0



Tgt Ion:252 Resp: 2217730
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 9.7 8.3 12.5

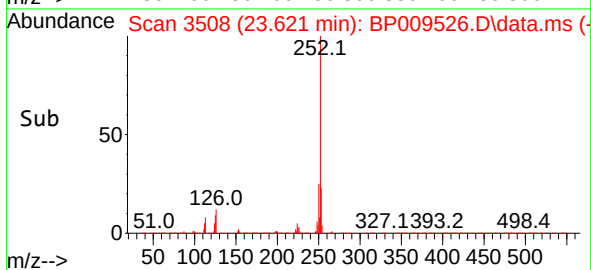
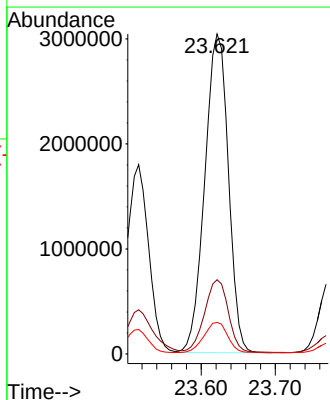
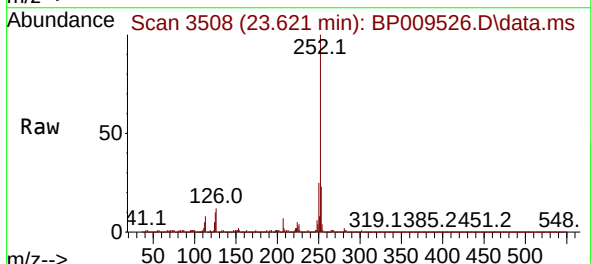
Manual Integrations
APPROVED

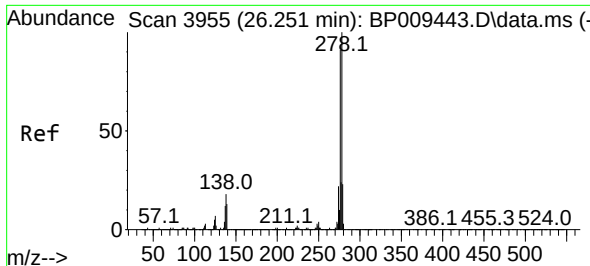
Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#90
Benzo(a)pyrene
Concen: 64.822 ng
RT: 23.621 min Scan# 3508
Delta R.T. 0.012 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

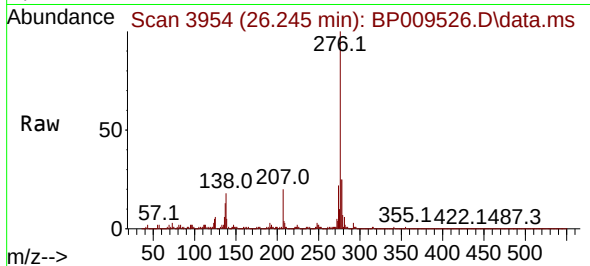
Tgt Ion:252 Resp: 6709198
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 9.9 9.3 13.9





#91
Dibenzo(a,h)anthracene
Concen: 7.879 ng
RT: 26.245 min Scan# 3955
Delta R.T. 0.000 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

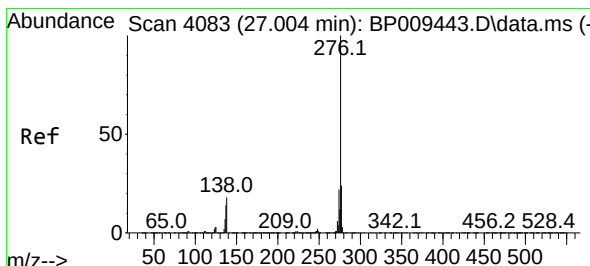
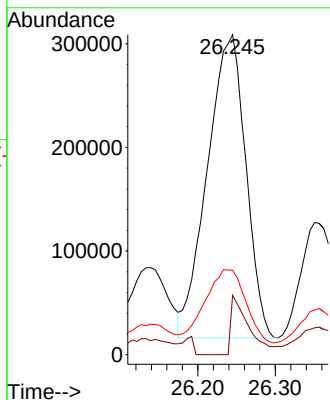
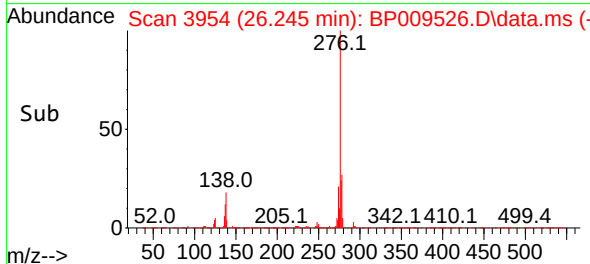
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0



Tgt Ion:278 Resp: 1009519
Ion Ratio Lower Upper
278 100
139 18.5 13.2 19.8
279 26.4 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/24/2022
Supervised By :Jagrut Upadhyay 03/24/2022



#92
Benzo(g,h,i)perylene
Concen: 33.324 ng
RT: 27.009 min Scan# 4084
Delta R.T. 0.024 min
Lab File: BP009526.D
Acq: 24 Mar 2022 02:30

Tgt Ion:276 Resp: 4200480
Ion Ratio Lower Upper
276 100
277 24.7 19.2 28.8
138 18.9 18.0 27.0

