

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032422\
 Data File : BP009543.D
 Acq On : 24 Mar 2022 22:56
 Operator : CG/JU
 Sample : N1977-04DL 50X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Mar 25 07:06:55 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

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/25/2022
 Supervised By : Jagrut Upadhyay 03/25/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	280873	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	1158262	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	743226	20.000	ng	0.00
64) Phenanthrene-d10	17.180	188	1565778	20.000	ng	0.00
76) Chrysene-d12	21.292	240	1625300	20.000	ng	0.00
86) Perylene-d12	23.686	264	1778074	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	31782	1.976	ng	0.02
7) Phenol-d6	6.987	99	34951	1.607	ng	0.02
23) Nitrobenzene-d5	8.951	82	20075	0.921	ng	0.02
42) 2,4,6-Tribromophenol	15.922	330	15978	1.303	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	64369	1.201	ng	0.00
79) Terphenyl-d14	19.757	244	113167	1.250	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.616	128	1475174	24.726	ng	99
37) 2-Methylnaphthalene	12.234	142	147262	3.518	ng	99
38) 1-Methylnaphthalene	12.451	142	797660	19.560	ng	99
52) Acenaphthene	14.481	154	748202	18.587	ng	99
58) Fluorene	15.469	166	398907	7.500	ng	99
71) Phenanthrene	17.222	178	2531430	30.202	ng	100
72) Anthracene	17.316	178	756923	9.147	ng	99
75) Fluoranthene	19.204	202	2349406	23.153	ng	98
78) Pyrene	19.557	202	2580836	24.097	ng	100
81) Benzo(a)anthracene	21.280	228	1389805	13.015	ng	96
83) Chrysene	21.327	228	1126319	11.139	ng	98
87) Indeno(1,2,3-cd)pyrene	26.168	276	836233	6.199	ng	# 92
88) Benzo(b)fluoranthene	22.962	252	1537660m	14.486	ng	
89) Benzo(k)fluoranthene	22.998	252	478723m	4.606	ng	
90) Benzo(a)pyrene	23.580	252	1362873	15.007	ng	98
92) Benzo(g,h,i)perylene	26.933	276	843791	7.629	ng	95

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

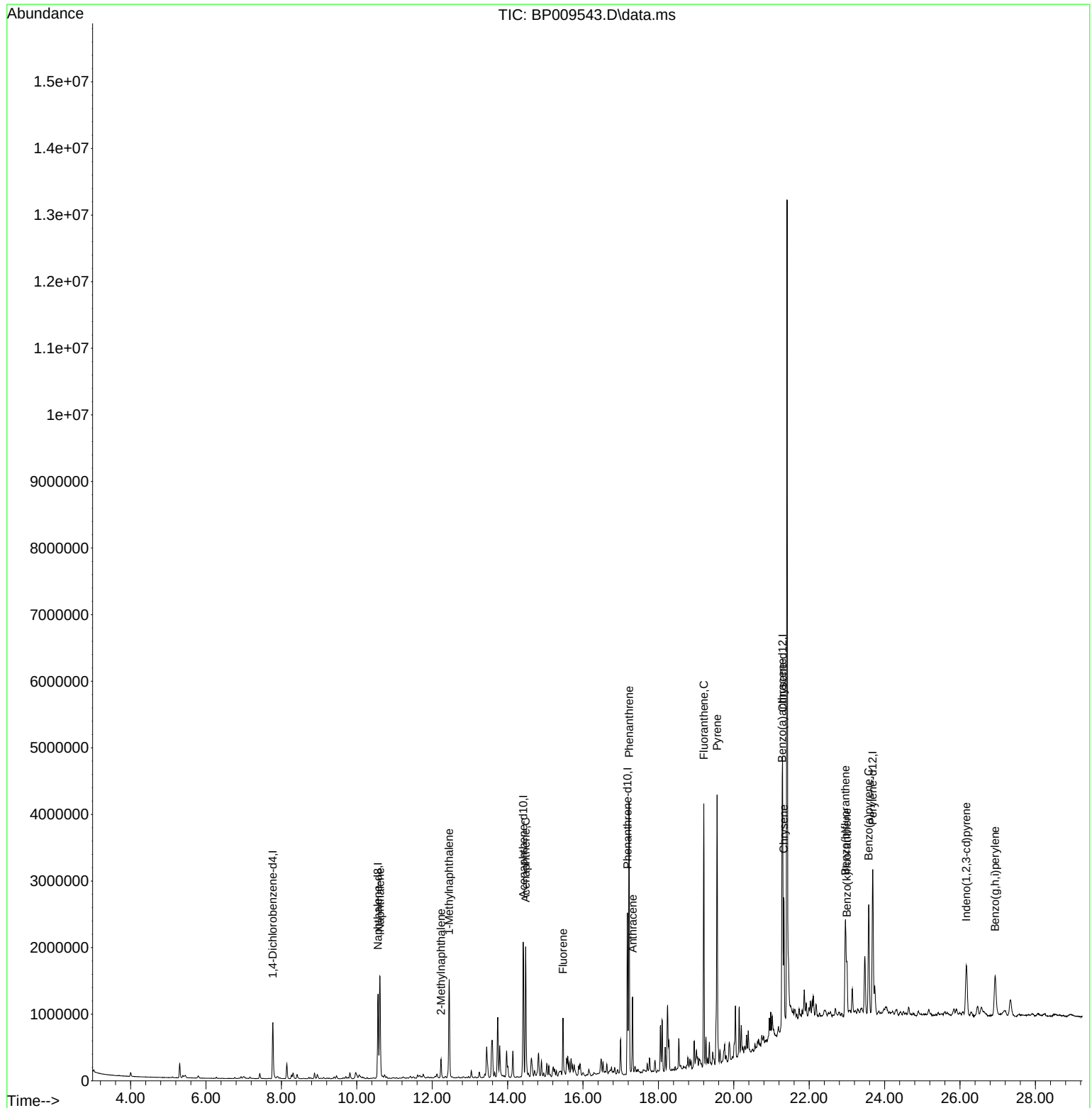
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Data File : BP009543.D
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Operator : CG/JU
Sample : N1977-04DL 50X
Misc :
ALS Vial : 14 Sample Multiplier: 1

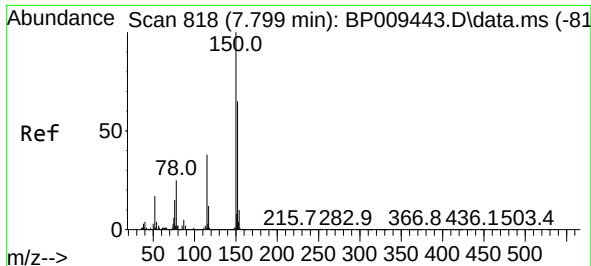
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BNA_P
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SB-12-20220315-16.0-17.0-ADL

Quant Time: Mar 25 07:06:55 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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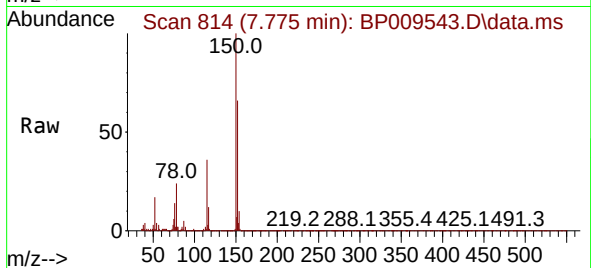
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

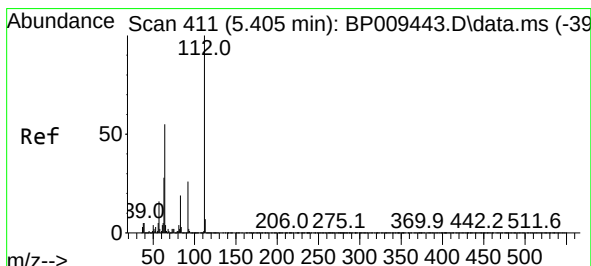
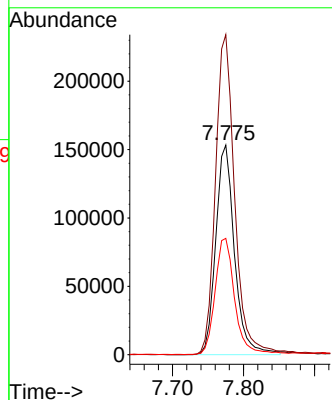
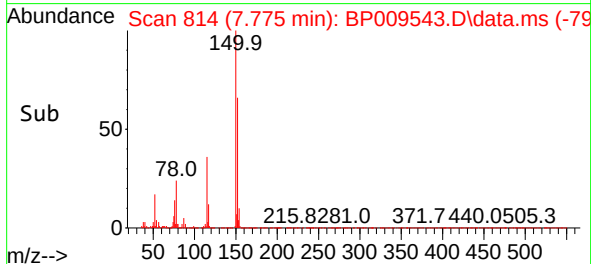
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0-ADL



Tgt Ion:152 Resp: 28087
Ion Ratio Lower Upper
152 100
150 152.6 124.5 186.7
115 55.5 48.2 72.4

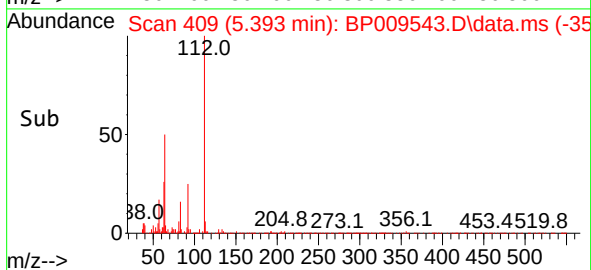
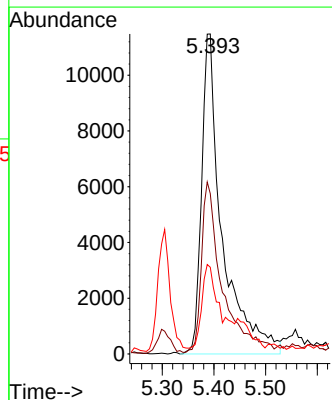
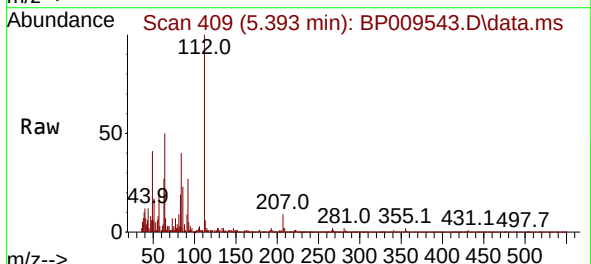
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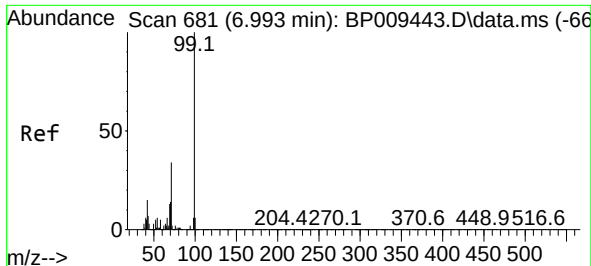
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Supervised By :Jagrut Upadhyay 03/25/2022



#5
2-Fluorophenol
Concen: 1.976 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.017 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

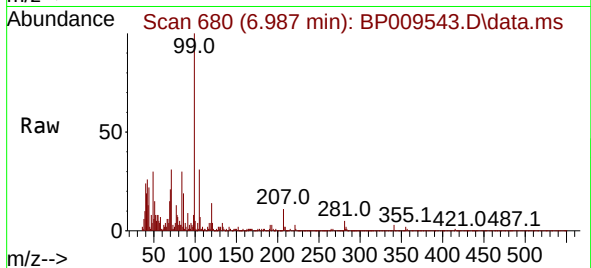
Tgt Ion:112 Resp: 31782
Ion Ratio Lower Upper
112 100
64 50.1 45.0 67.4
63 27.1 23.0 34.6





#7
Phenol-d6
Concen: 1.607 ng
RT: 6.987 min Scan# 60
Delta R.T. 0.023 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

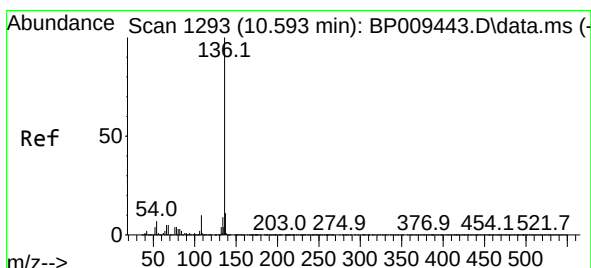
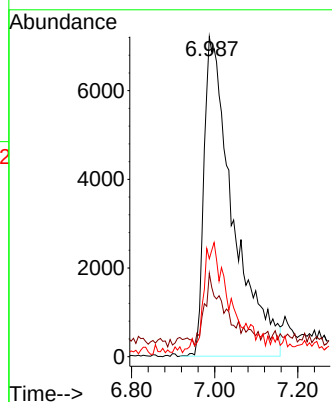
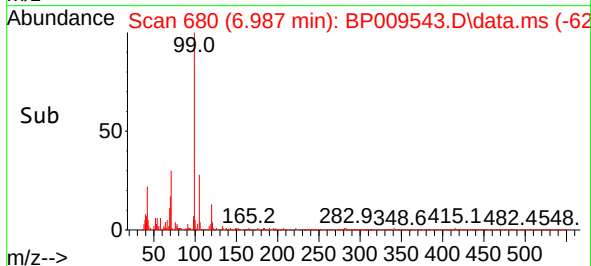
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0-ADL



Tgt Ion: 99 Resp: 3495
Ion Ratio Lower Upper
99 100
42 26.0 12.8 19.2
71 30.6 26.3 39.5

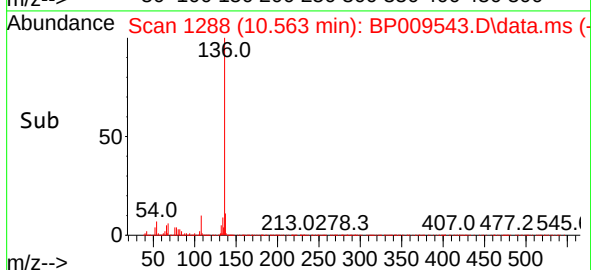
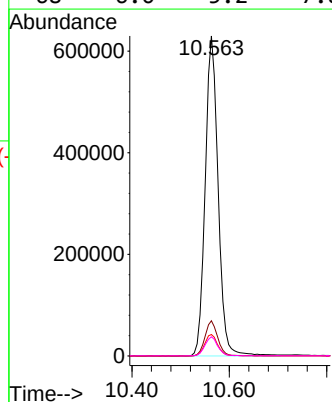
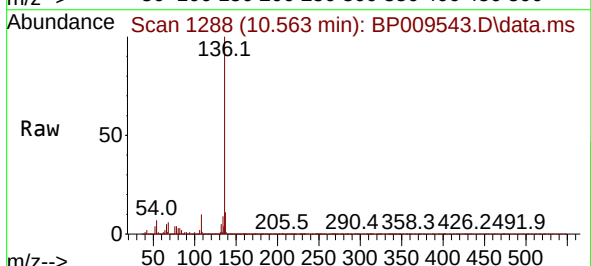
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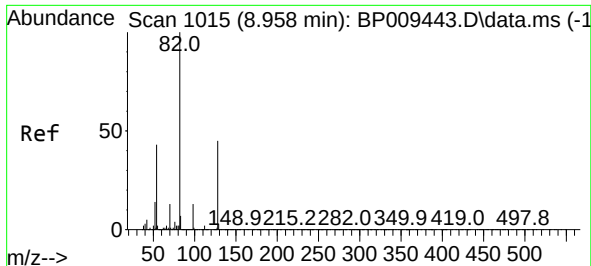
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Supervised By :Jagrut Upadhyay 03/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

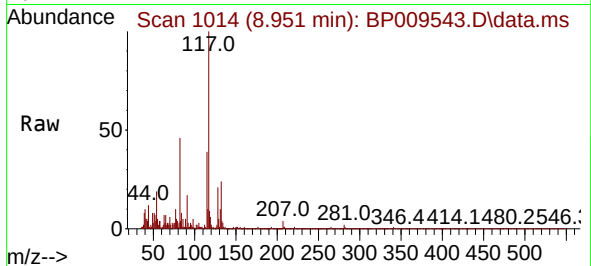
Tgt Ion:136 Resp: 1158262
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 6.7 5.8 8.8
68 6.0 5.2 7.8





#23
Nitrobenzene-d5
Concen: 0.921 ng
RT: 8.951 min Scan# 1014
Delta R.T. 0.017 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

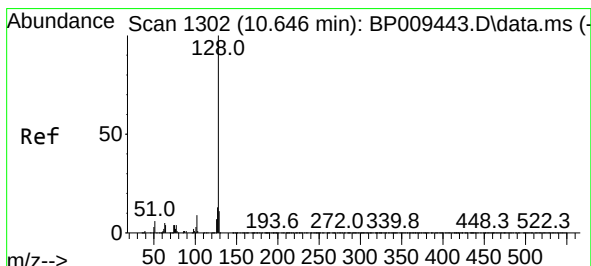
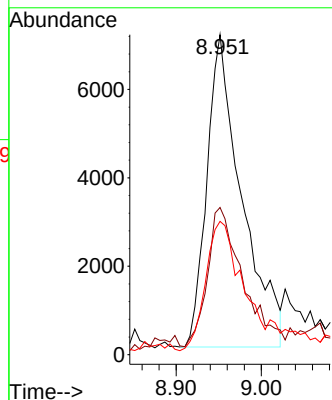
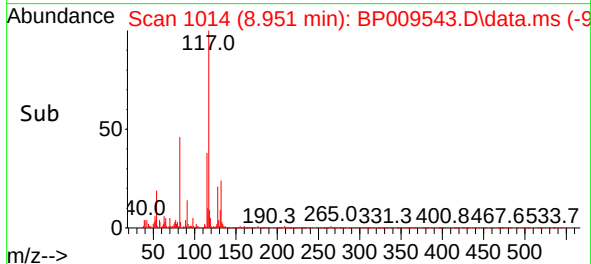
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0-ADL



Tgt Ion: 82 Resp: 2007
Ion Ratio Lower Upper
82 100
128 46.0 34.2 51.4
54 41.7 34.7 52.1

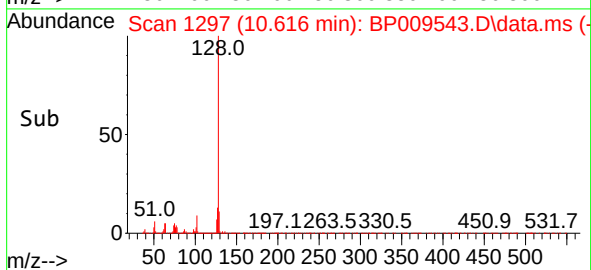
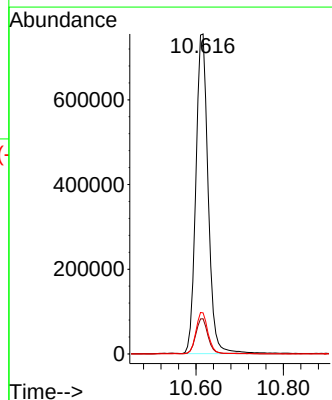
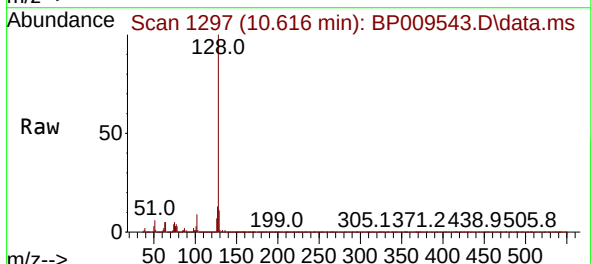
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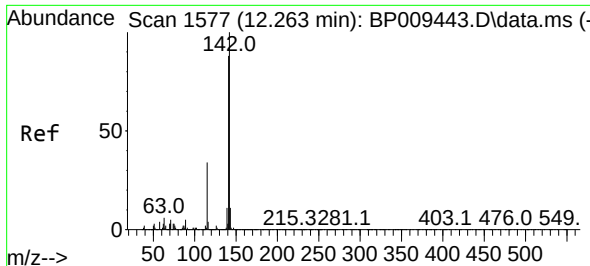
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#31
Naphthalene
Concen: 24.726 ng
RT: 10.616 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

Tgt Ion:128 Resp: 1475174
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.8 10.5 15.7





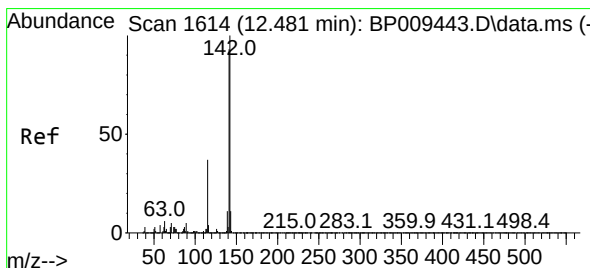
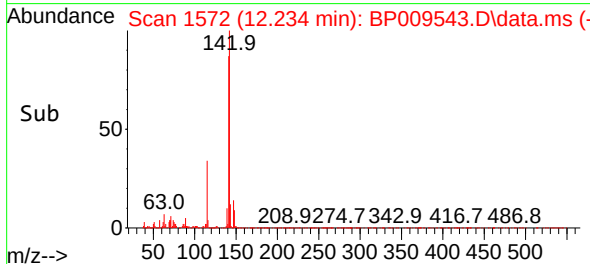
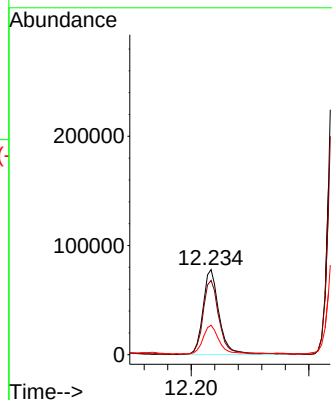
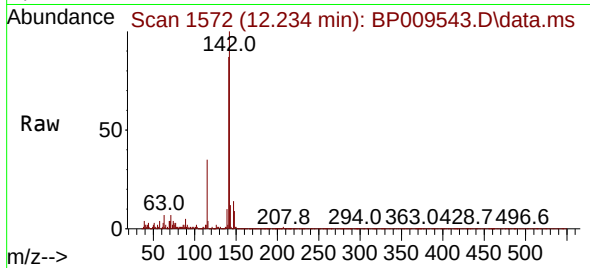
#37
2-Methylnaphthalene
Concen: 3.518 ng
RT: 12.234 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

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

Tgt Ion:142 Resp: 147262
Ion Ratio Lower Upper
142 100
141 87.2 70.2 105.4
115 34.6 27.4 41.2

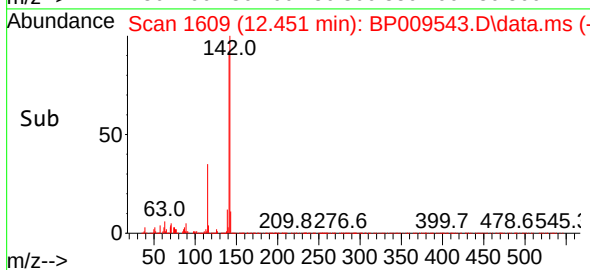
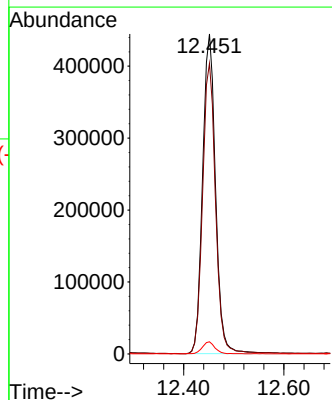
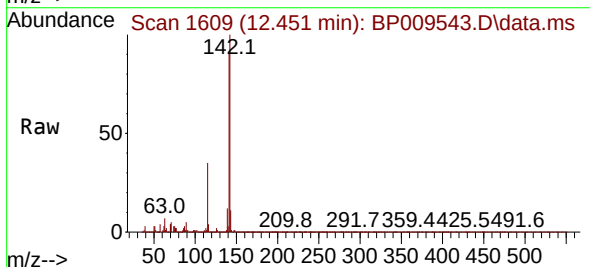
Manual Integrations
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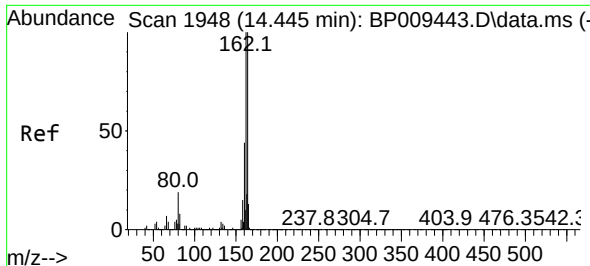
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#38
1-Methylnaphthalene
Concen: 19.560 ng
RT: 12.451 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

Tgt Ion:142 Resp: 797660
Ion Ratio Lower Upper
142 100
141 90.8 73.5 110.3
116 3.8 3.3 4.9





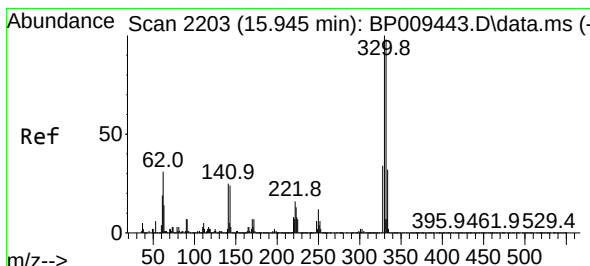
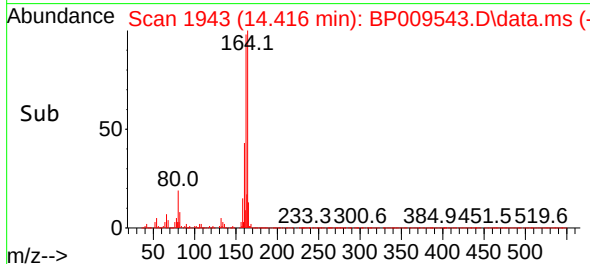
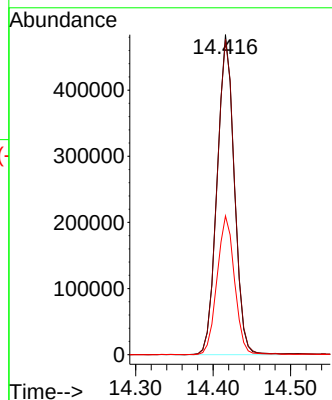
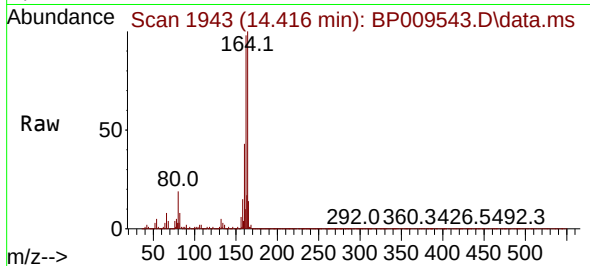
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

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

Tgt Ion:164 Resp: 743220
Ion Ratio Lower Upper
164 100
162 98.5 79.1 118.7
160 43.3 34.9 52.3

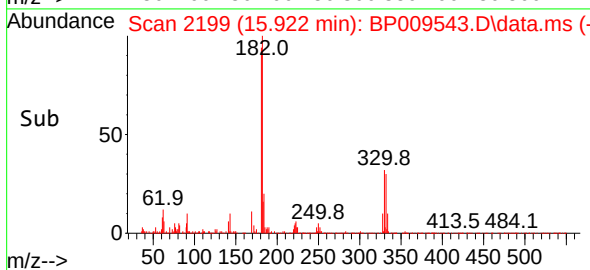
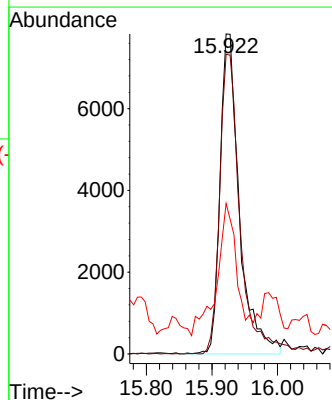
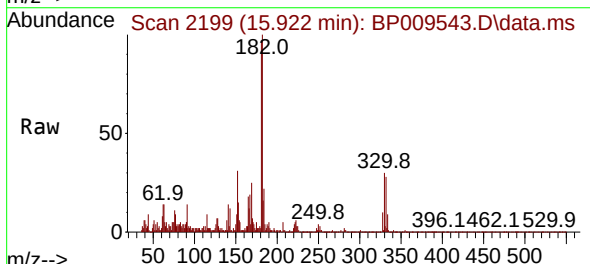
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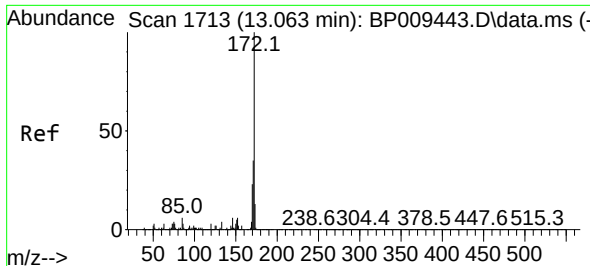
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#42
2,4,6-Tribromophenol
Concen: 1.303 ng
RT: 15.922 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

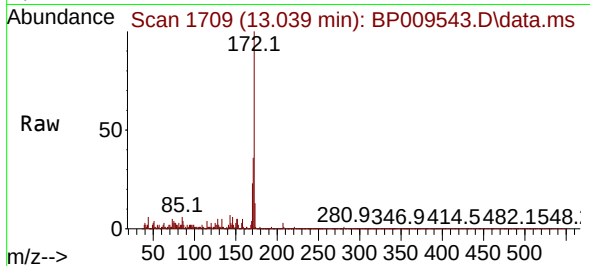
Tgt Ion:330 Resp: 15978
Ion Ratio Lower Upper
330 100
332 99.6 77.0 115.6
141 42.4 27.6 41.4#





#45
2-Fluorobiphenyl
Concen: 1.201 ng
RT: 13.039 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

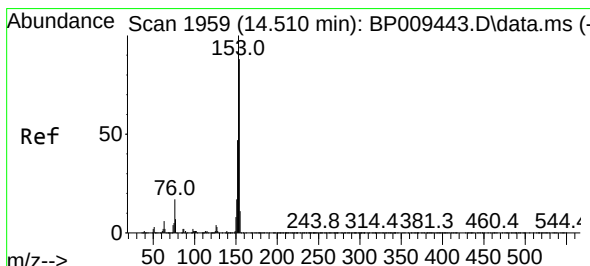
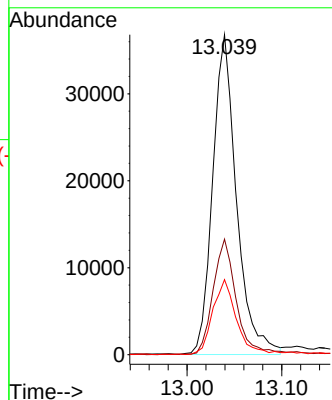
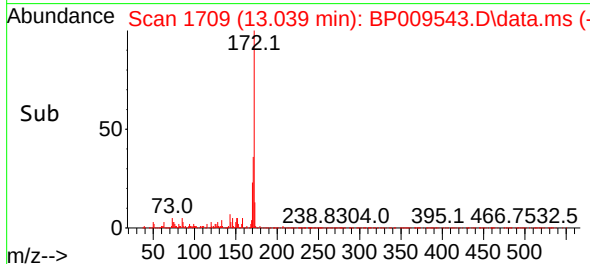
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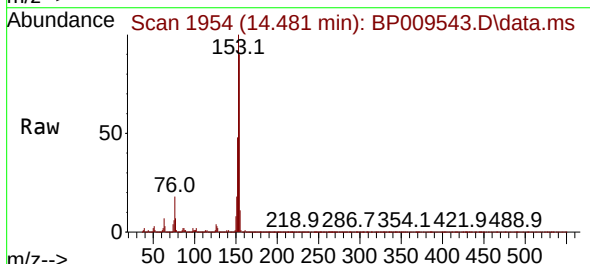
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Ion Ratio Lower Upper
172 100
171 36.1 28.0 42.0
170 23.4 18.6 27.8

Manual Integrations
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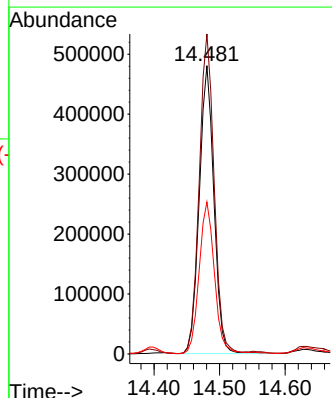
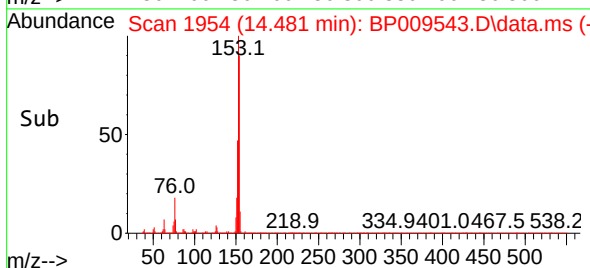
Reviewed By :Christian Giraldo 03/25/2022
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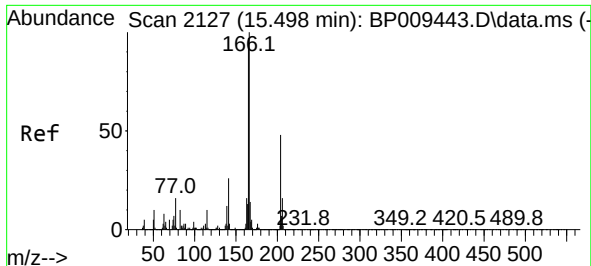


#52
Acenaphthene
Concen: 18.587 ng
RT: 14.481 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56



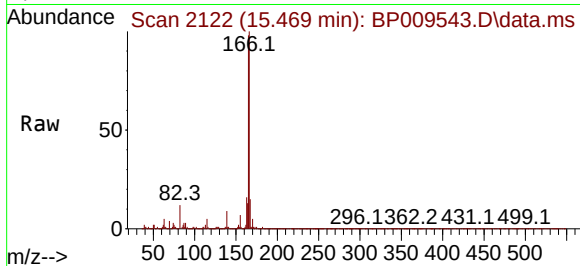
Tgt Ion:154 Resp: 748202
Ion Ratio Lower Upper
154 100
153 111.0 90.2 135.4
152 52.7 42.7 64.1





#58
Fluorene
Concen: 7.500 ng
RT: 15.469 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

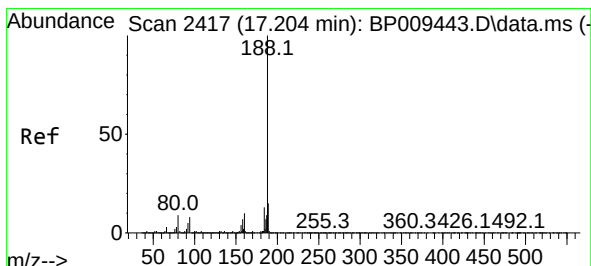
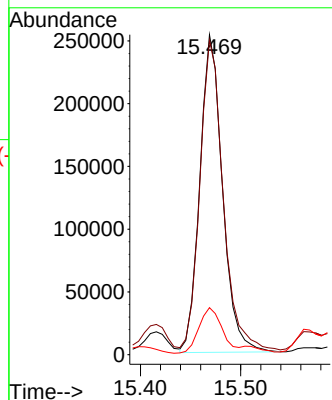
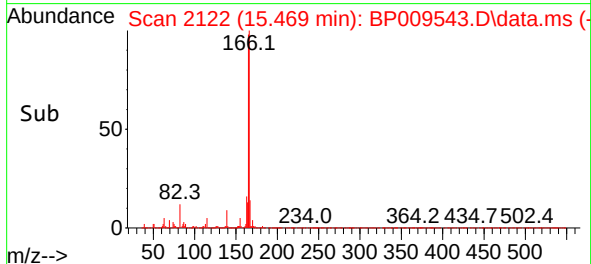
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0-ADL



Tgt Ion:166 Resp: 398907
Ion Ratio Lower Upper
166 100
165 98.4 79.2 118.8
167 14.7 10.7 16.1

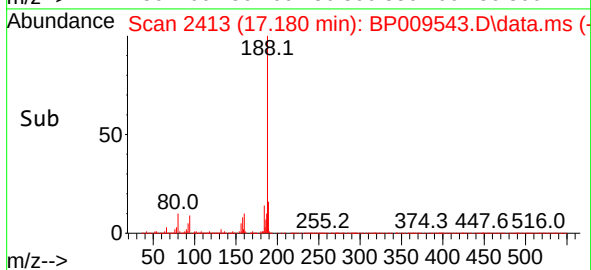
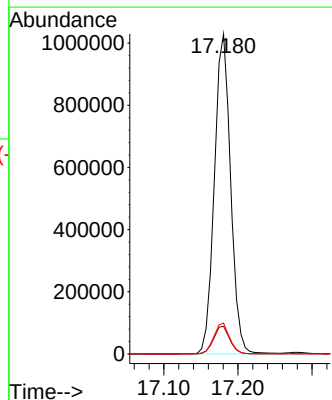
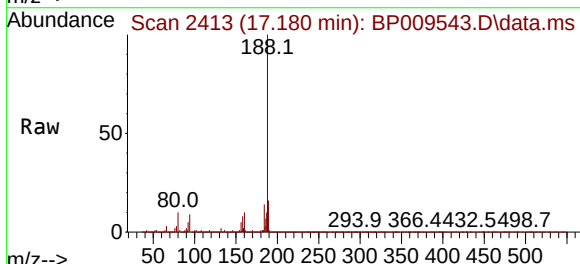
Manual Integrations
APPROVED

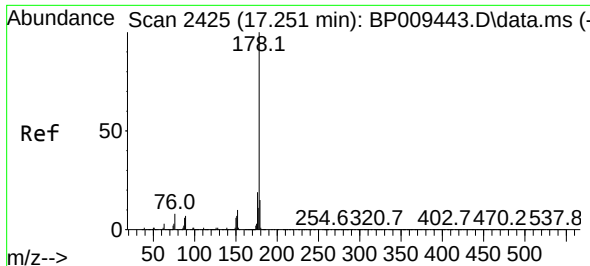
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.180 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

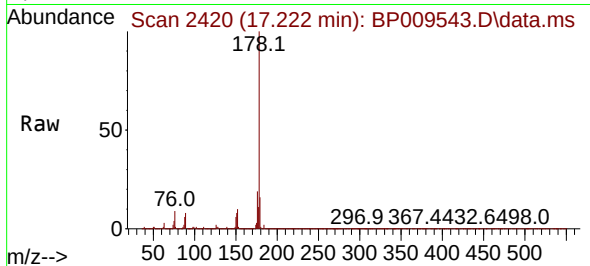
Tgt Ion:188 Resp: 1565778
Ion Ratio Lower Upper
188 100
94 8.7 7.9 11.9
80 9.6 8.8 13.2





#71
Phenanthrene
Concen: 30.202 ng
RT: 17.222 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

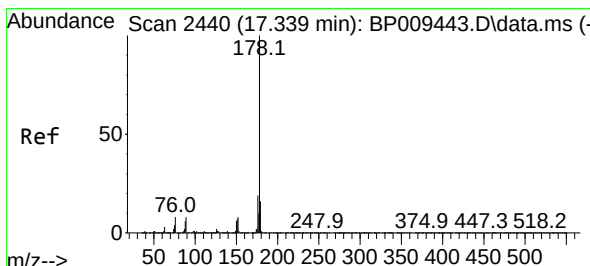
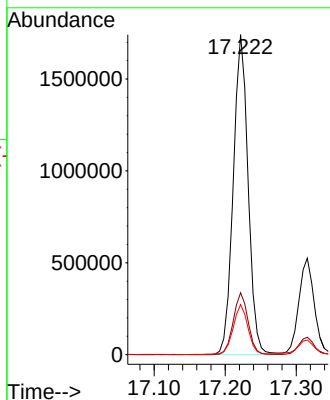
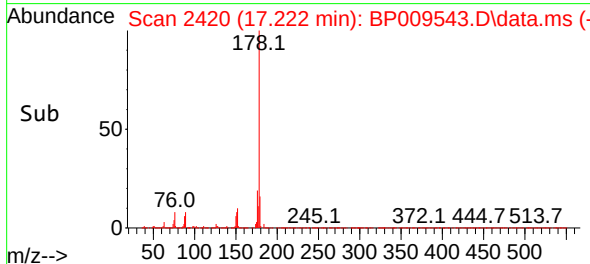
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0-ADL



Tgt Ion:178 Resp: 2531430
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.6 12.3 18.5

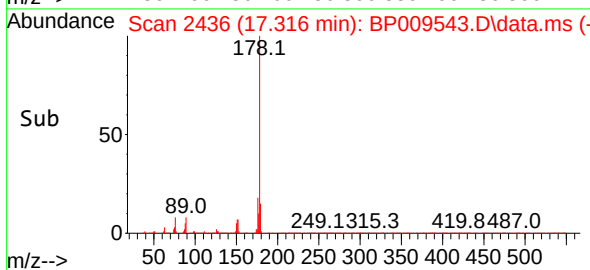
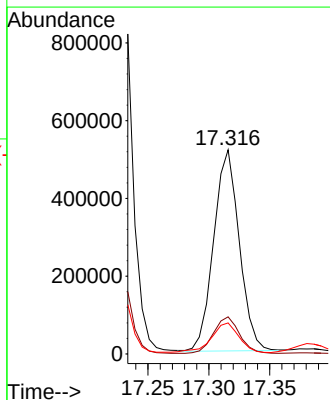
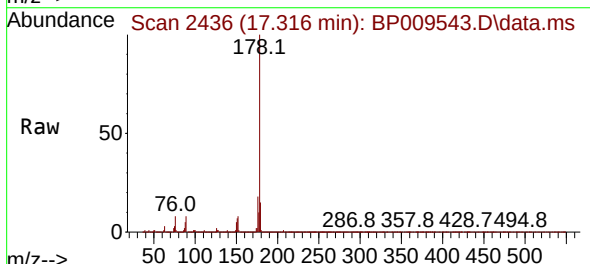
Manual Integrations
APPROVED

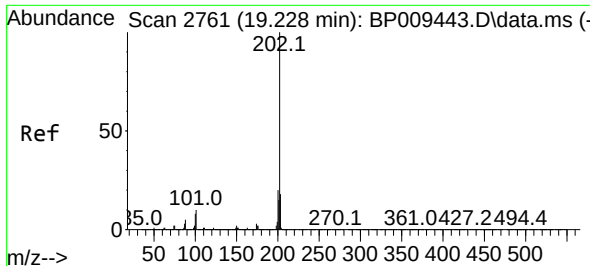
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#72
Anthracene
Concen: 9.147 ng
RT: 17.316 min Scan# 2436
Delta R.T. -0.000 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

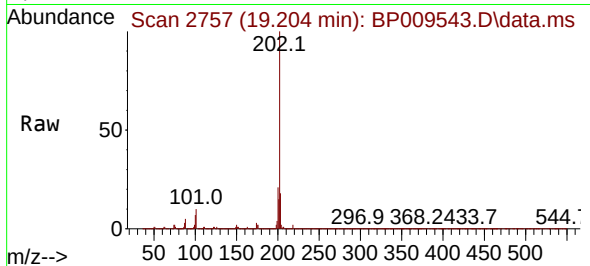
Tgt Ion:178 Resp: 756923
Ion Ratio Lower Upper
178 100
176 18.2 14.8 22.2
179 15.2 12.2 18.4





#75
Fluoranthene
Concen: 23.153 ng
RT: 19.204 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

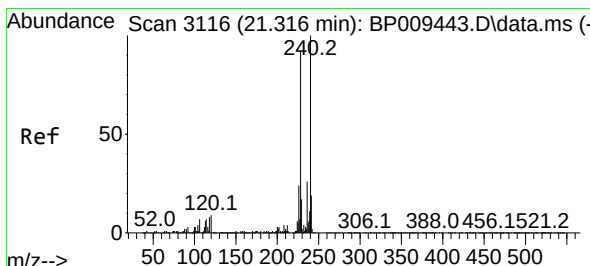
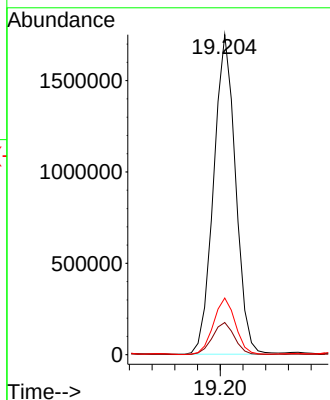
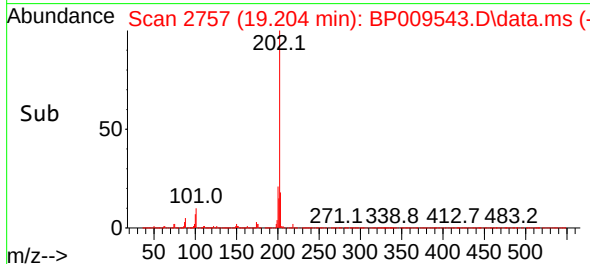
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0-ADL



Tgt Ion:202 Resp: 2349400
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.5
203 17.7 0.0 37.8

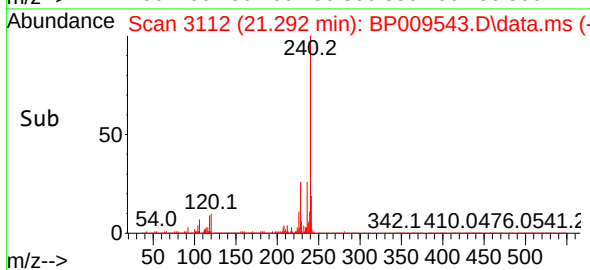
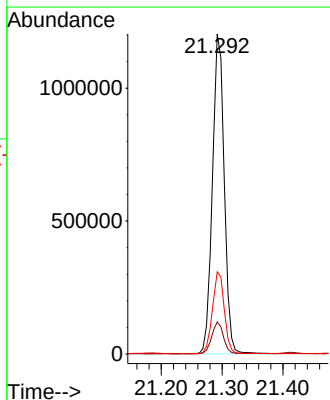
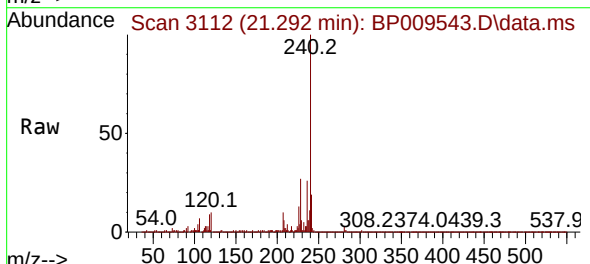
Manual Integrations
APPROVED

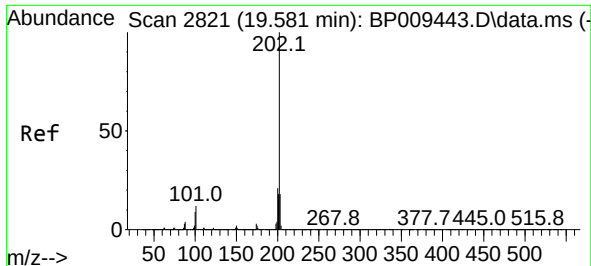
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

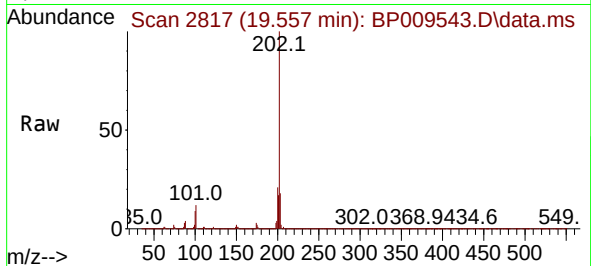
Tgt Ion:240 Resp: 1625300
Ion Ratio Lower Upper
240 100
120 10.0 9.0 13.4
236 25.6 20.6 30.8





#78
Pyrene
Concen: 24.097 ng
RT: 19.557 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

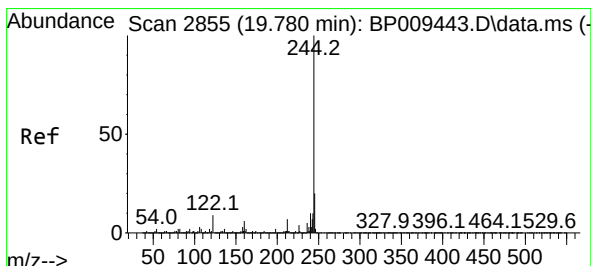
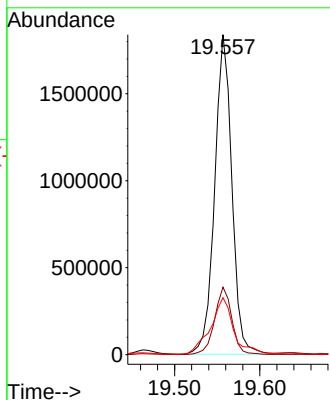
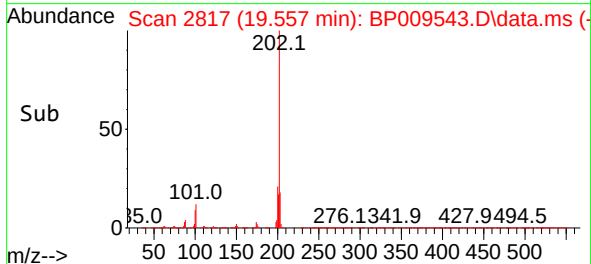
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0-ADL



Tgt Ion:202 Resp: 2580830
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 17.8 14.2 21.4

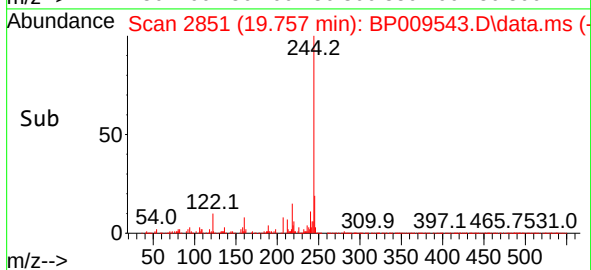
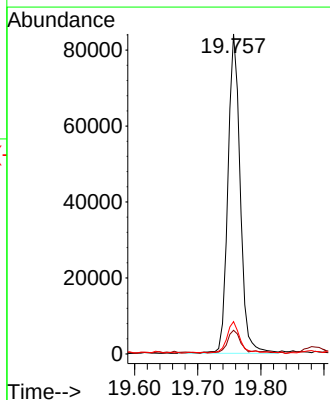
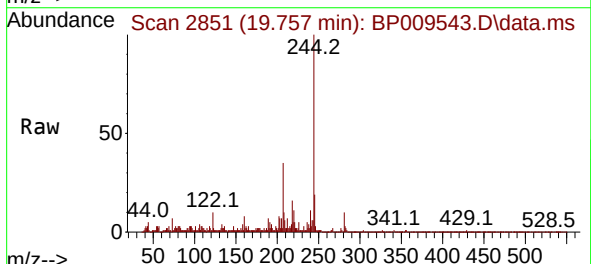
Manual Integrations
APPROVED

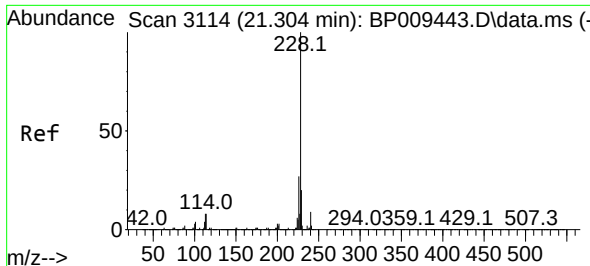
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#79
Terphenyl-d14
Concen: 1.250 ng
RT: 19.757 min Scan# 2851
Delta R.T. -0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

Tgt Ion:244 Resp: 113167
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.6
122 10.1 8.3 12.5





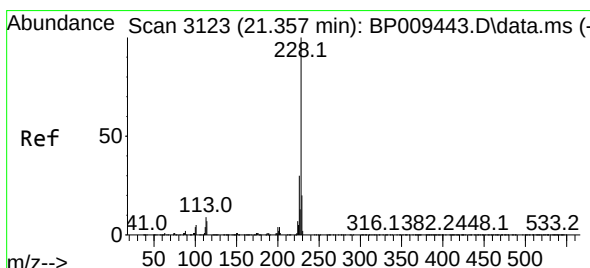
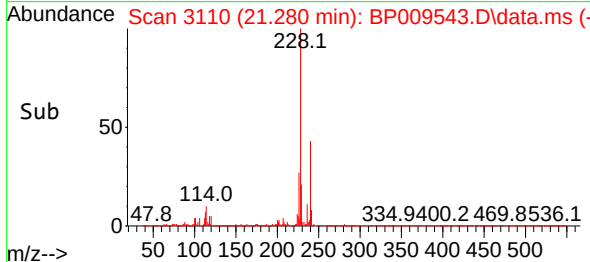
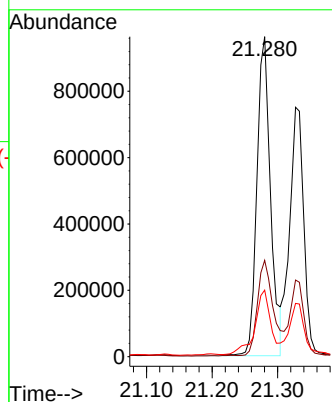
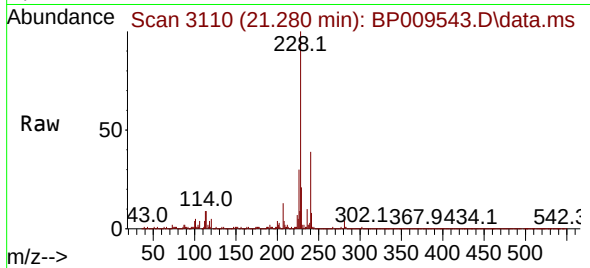
#81
Benzo(a)anthracene
Concen: 13.015 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

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

Tgt Ion:228 Resp: 138980
Ion Ratio Lower Upper
228 100
226 30.1 22.0 33.0
229 20.8 16.1 24.1

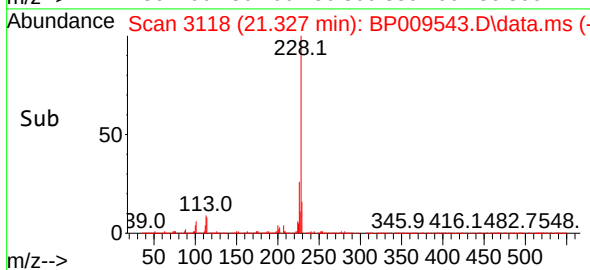
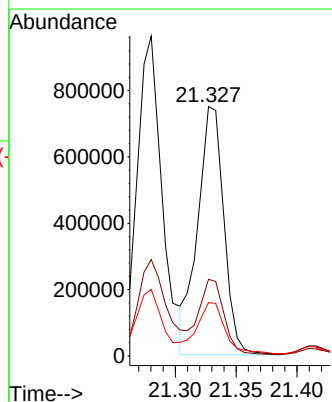
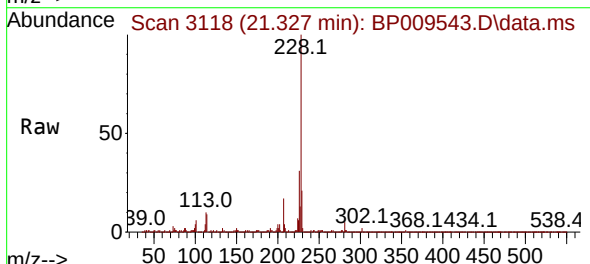
Manual Integrations
APPROVED

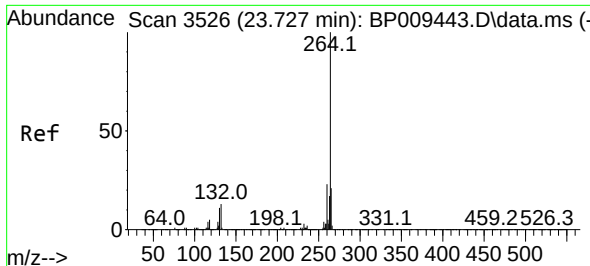
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#83
Chrysene
Concen: 11.139 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

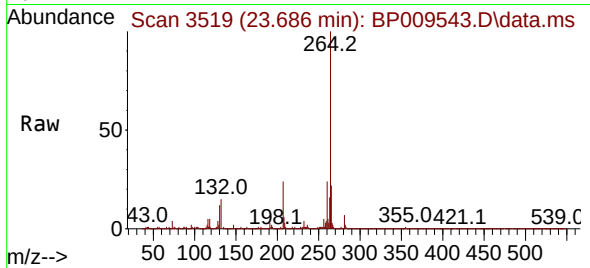
Tgt Ion:228 Resp: 1126319
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.2
229 21.4 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.686 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

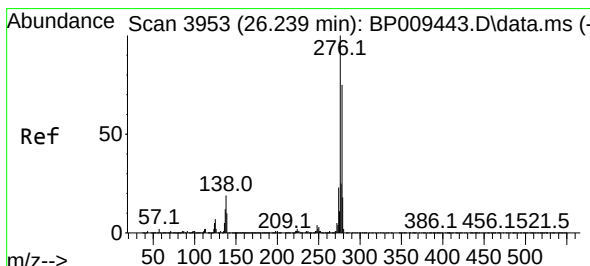
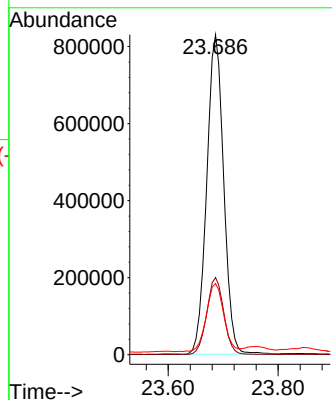
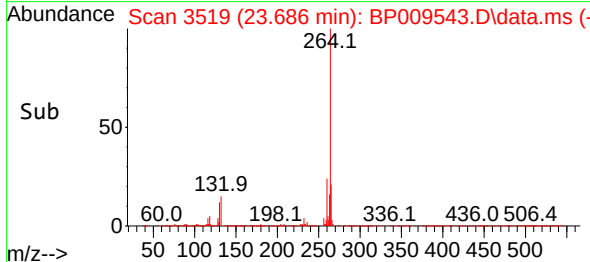
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0-ADL



Tgt Ion:264 Resp: 1778074
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.0
265 22.3 17.2 25.8

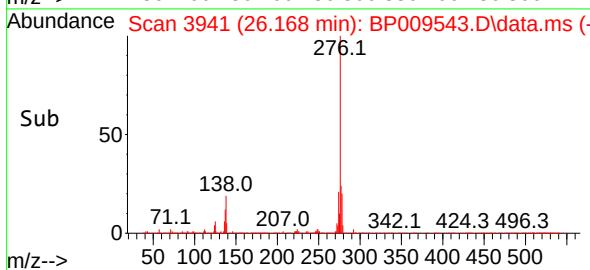
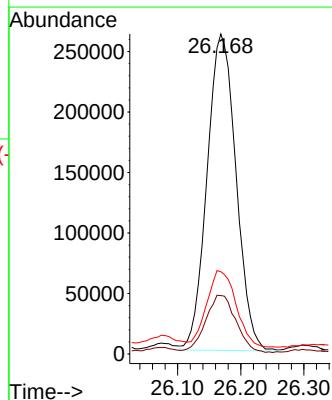
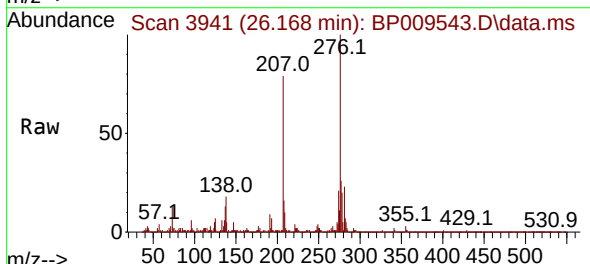
Manual Integrations
APPROVED

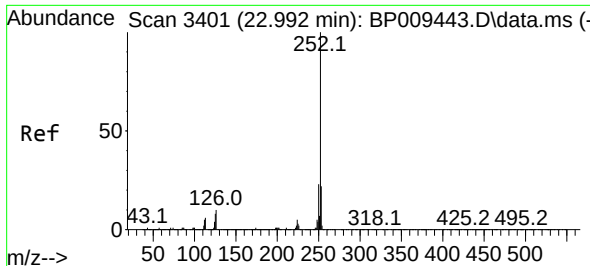
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.199 ng
RT: 26.168 min Scan# 3941
Delta R.T. -0.030 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

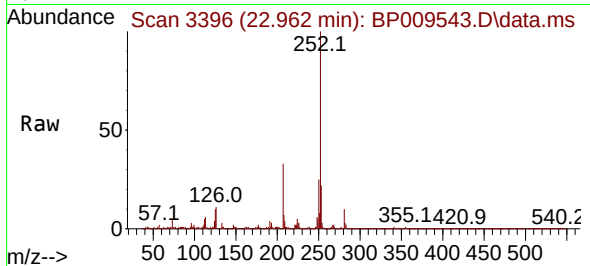
Tgt Ion:276 Resp: 836233
Ion Ratio Lower Upper
276 100
138 18.9 20.5 30.7#
277 24.5 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 14.486 ng m
RT: 22.962 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

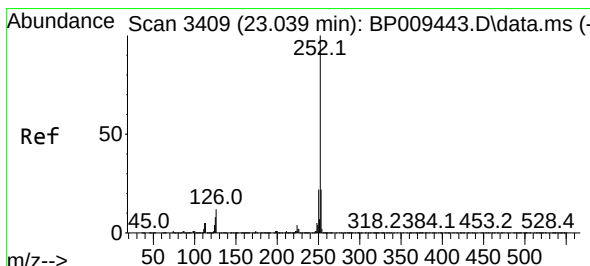
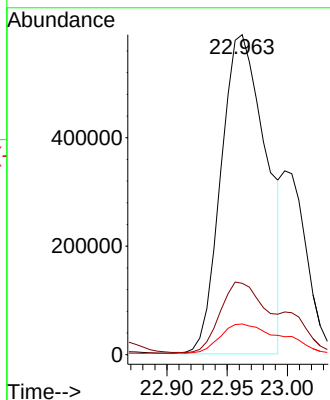
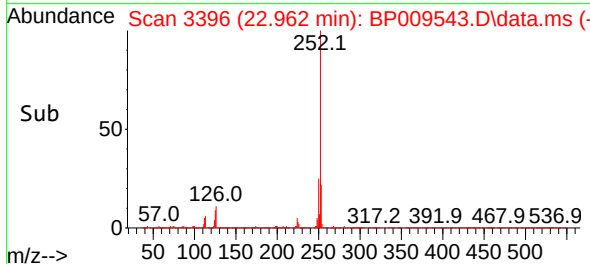
Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0-ADL



Tgt Ion:252 Resp: 1537660
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 9.6 8.1 12.1

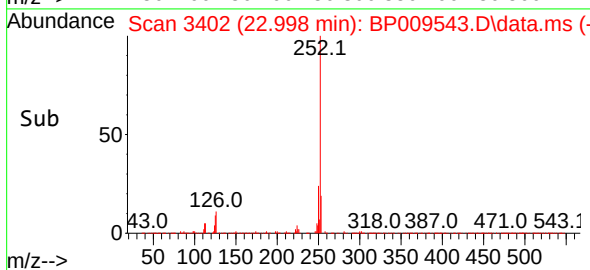
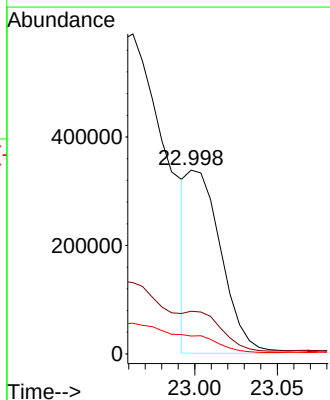
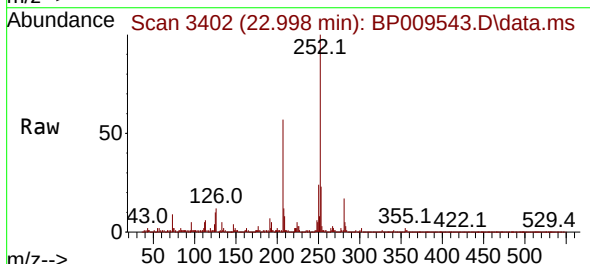
Manual Integrations
APPROVED

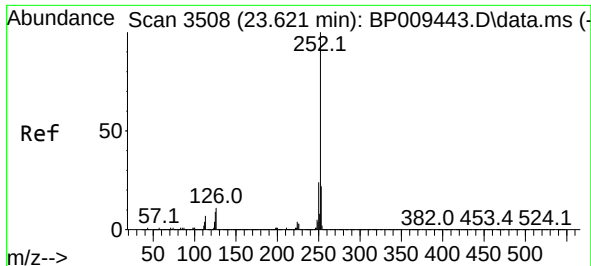
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#89
Benzo(k)fluoranthene
Concen: 4.606 ng m
RT: 22.998 min Scan# 3402
Delta R.T. -0.012 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

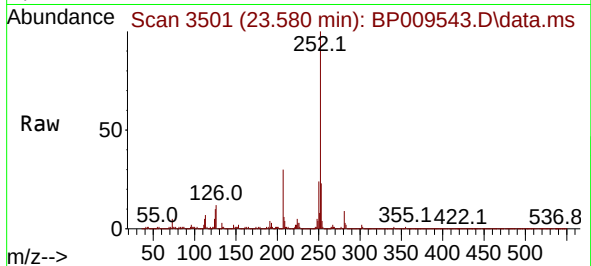
Tgt Ion:252 Resp: 478723
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 9.7 8.3 12.5





#90
Benzo(a)pyrene
Concen: 15.007 ng
RT: 23.580 min Scan# 3508
Delta R.T. -0.006 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

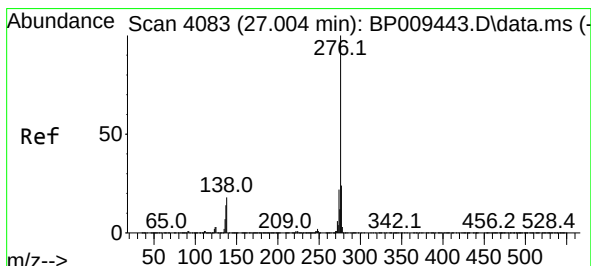
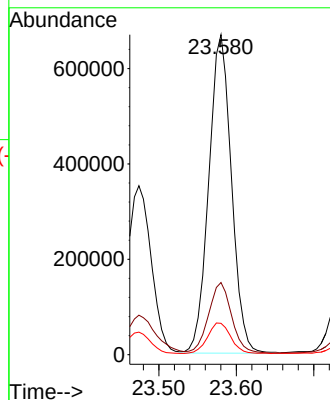
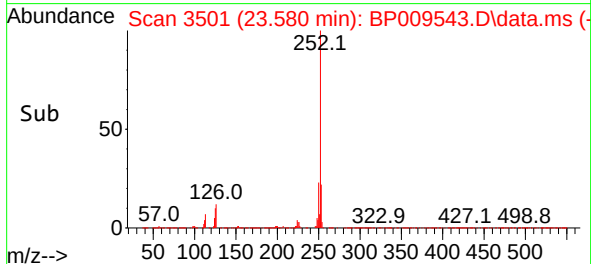
Instrument : BNA_P
ClientSampleId : SB-12-20220315-16.0-17.0-ADL



Tgt Ion:252 Resp: 136287
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 9.8 9.3 13.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#92
Benzo(g,h,i)perylene
Concen: 7.629 ng
RT: 26.933 min Scan# 4071
Delta R.T. -0.018 min
Lab File: BP009543.D
Acq: 24 Mar 2022 22:56

Tgt Ion:276 Resp: 843791
Ion Ratio Lower Upper
276 100
277 25.7 19.2 28.8
138 18.8 18.0 27.0

