

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032422\
 Data File : BP009542.D
 Acq On : 24 Mar 2022 22:23
 Operator : CG/JU
 Sample : N1960-15DL 20X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-13-20220316-16.0-17.0DL

Quant Time: Mar 25 07:04:21 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	276300	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	1129597	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	717474	20.000	ng	0.00
64) Phenanthrene-d10	17.181	188	1500880	20.000	ng	0.00
76) Chrysene-d12	21.292	240	1601096	20.000	ng	0.00
86) Perylene-d12	23.686	264	1765228	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	81025	5.120	ng	0.00
7) Phenol-d6	6.975	99	94109	4.397	ng	0.01
23) Nitrobenzene-d5	8.940	82	59327	2.791	ng	0.00
42) 2,4,6-Tribromophenol	15.922	330	42558	3.595	ng	0.00
45) 2-Fluorobiphenyl	13.040	172	153386	2.964	ng	0.00
79) Terphenyl-d14	19.757	244	250911	2.813	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.616	128	2414481	41.496	ng	100
37) 2-Methylnaphthalene	12.234	142	1346331	32.978	ng	100
38) 1-Methylnaphthalene	12.451	142	1186564	29.835	ng	99
49) Acenaphthylene	14.134	152	233031	3.582	ng	# 92
52) Acenaphthene	14.481	154	864120	22.237	ng	100
58) Fluorene	15.469	166	506844	9.872	ng	99
71) Phenanthrene	17.222	178	2894395	36.026	ng	100
72) Anthracene	17.316	178	803979	10.135	ng	100
75) Fluoranthene	19.204	202	1324838	13.621	ng	98
78) Pyrene	19.557	202	2179182	20.655	ng	99
81) Benzo(a)anthracene	21.280	228	823517m	7.829	ng	
83) Chrysene	21.327	228	659182	6.618	ng	97
88) Benzo(b)fluoranthene	22.963	252	624116m	5.923	ng	
89) Benzo(k)fluoranthene	22.998	252	209949m	2.035	ng	
90) Benzo(a)pyrene	23.580	252	748673	8.304	ng	98
92) Benzo(g,h,i)perylene	26.927	276	382222	3.481	ng	94

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

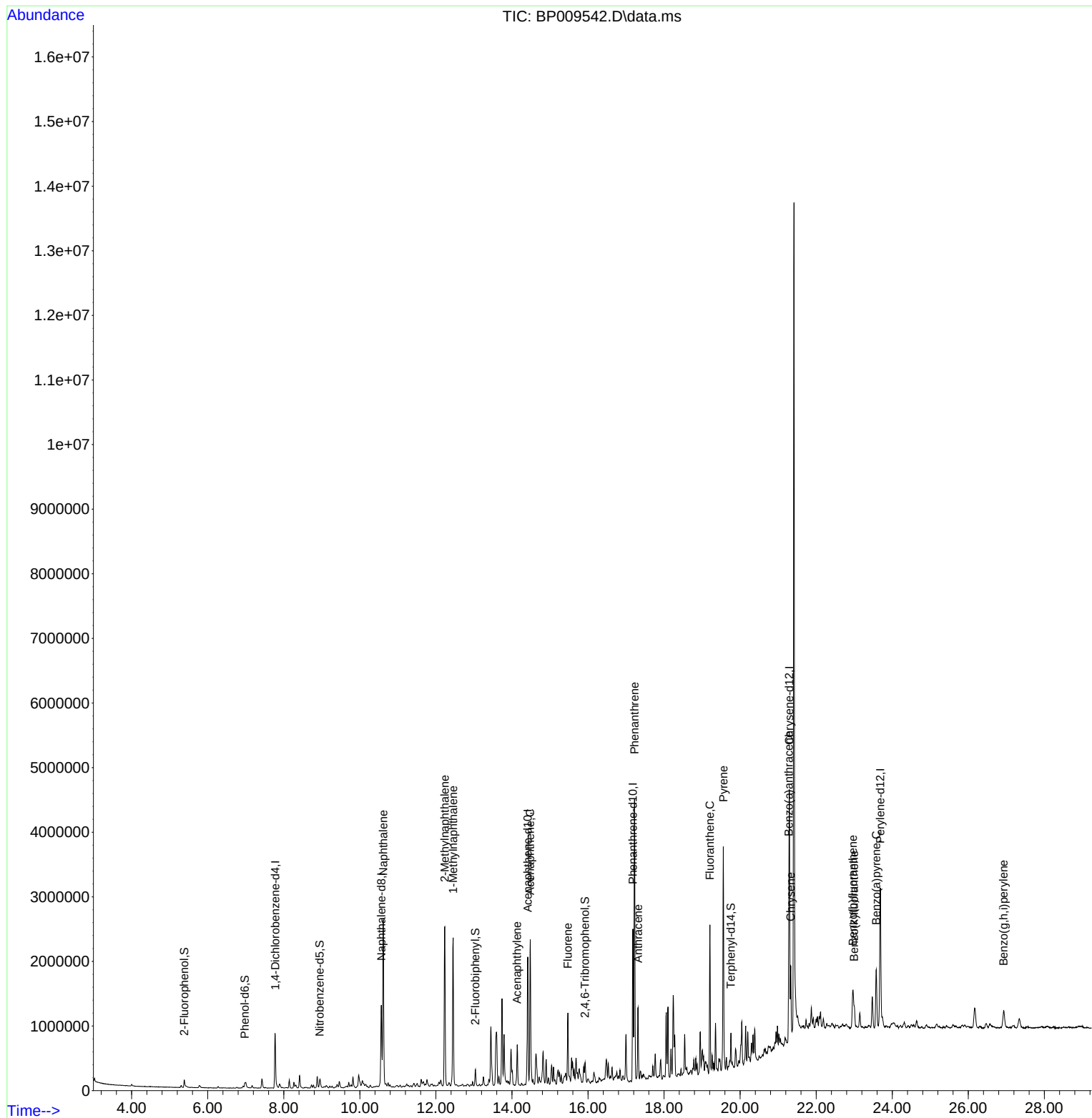
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032422\
Data File : BP009542.D
Acq On : 24 Mar 2022 22:23
Operator : CG/JU
Sample : N1960-15DL 20X
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ALS Vial : 13 Sample Multiplier: 1

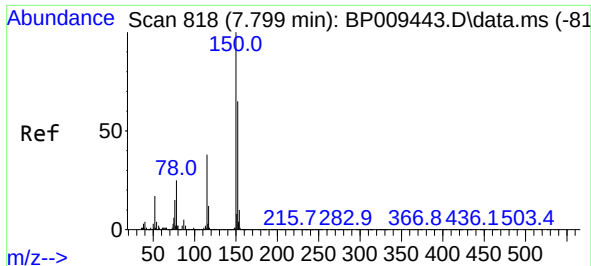
Instrument :
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SB-13-20220316-16.0-17.0DL

Quant Time: Mar 25 07:04:21 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
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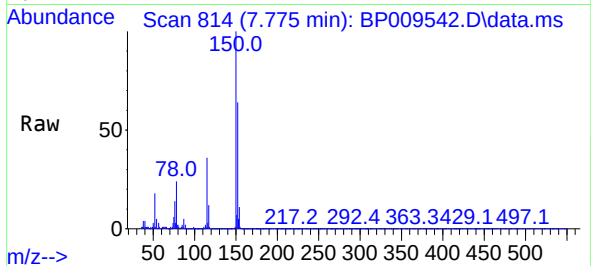
Reviewed By : Christian Giraldo 03/25/2022
Supervised By : Jagrut Upadhyay 03/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

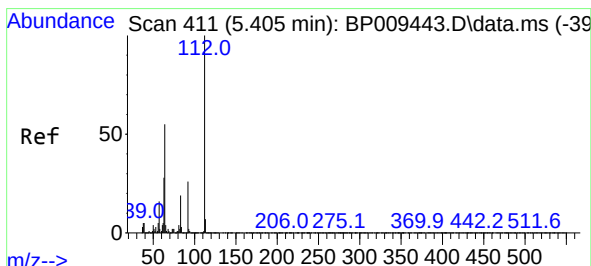
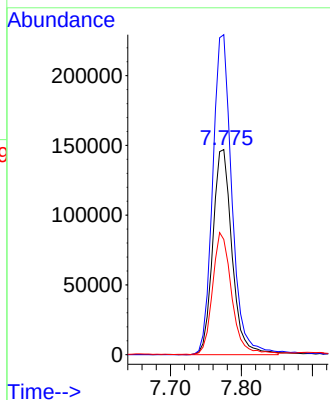
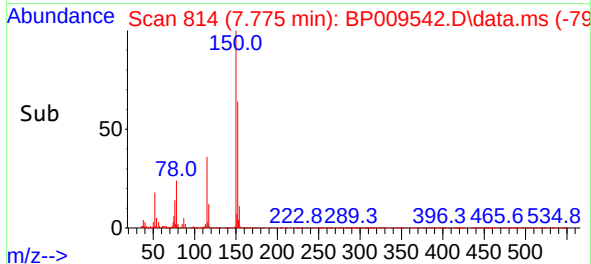
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0DL



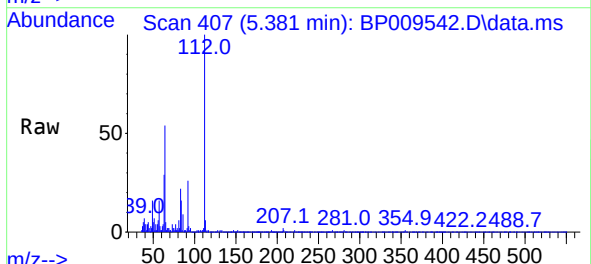
Tgt Ion:152 Resp: 276300
Ion Ratio Lower Upper
152 100
150 156.0 124.5 186.7
115 56.1 48.2 72.4

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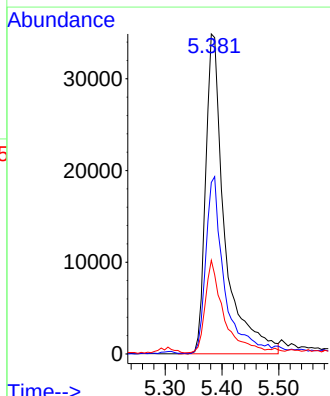
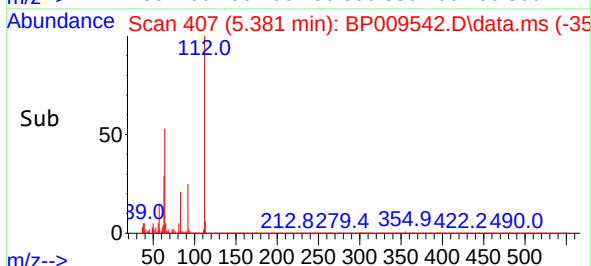
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

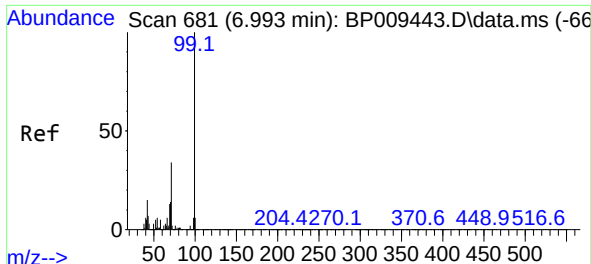


#5
2-Fluorophenol
Concen: 5.120 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23



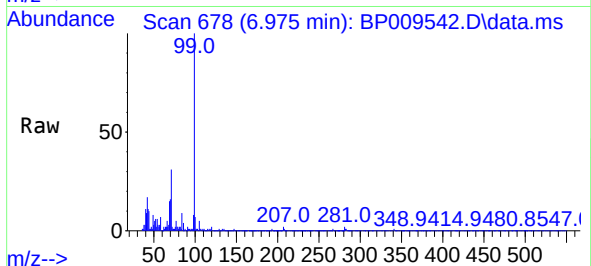
Tgt Ion:112 Resp: 81025
Ion Ratio Lower Upper
112 100
64 53.6 45.0 67.4
63 29.2 23.0 34.6





#7
Phenol-d6
Concen: 4.397 ng
RT: 6.975 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

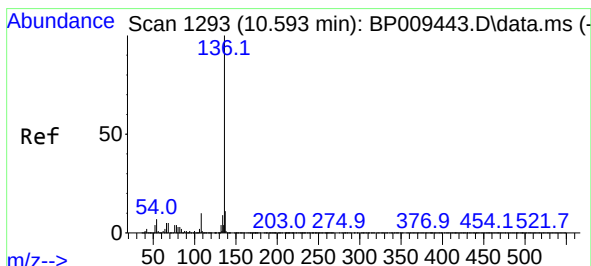
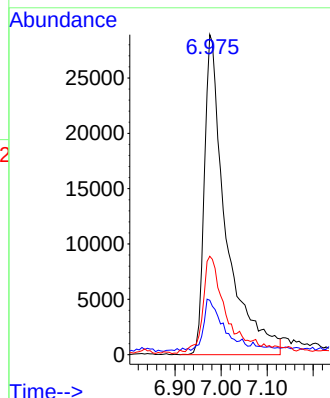
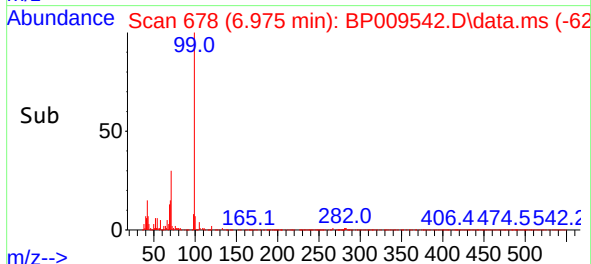
Instrument :
BNA_P
ClientSampleId :
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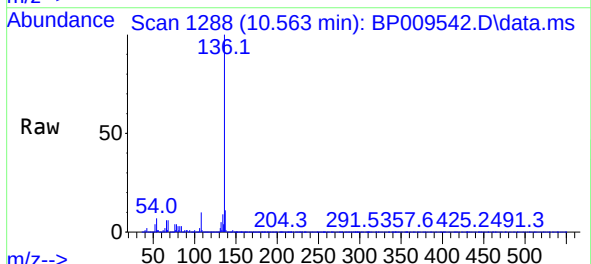
Tgt Ion: 99 Resp: 94109
Ion Ratio Lower Upper
99 100
42 17.0 12.8 19.2
71 30.8 26.3 39.5

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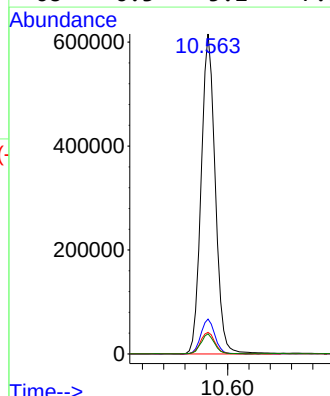
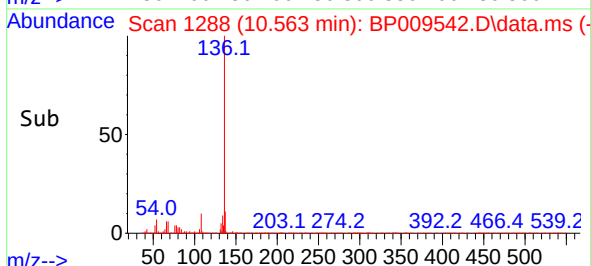
Reviewed By :Christian Giraldo 03/25/2022
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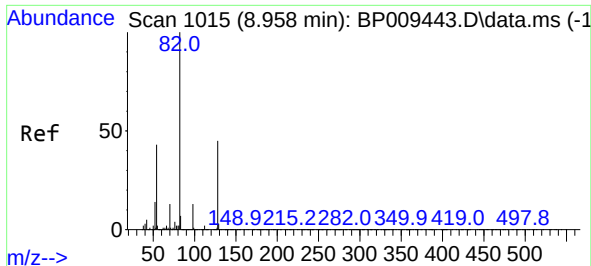


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23



Tgt Ion:136 Resp: 1129597
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.7 5.8 8.8
68 6.3 5.2 7.8





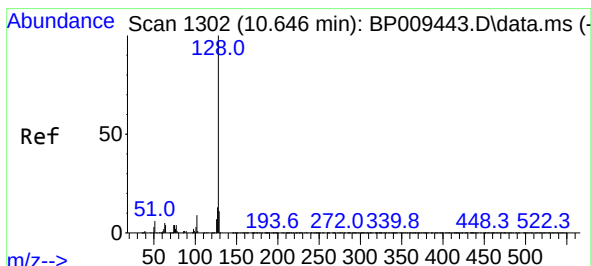
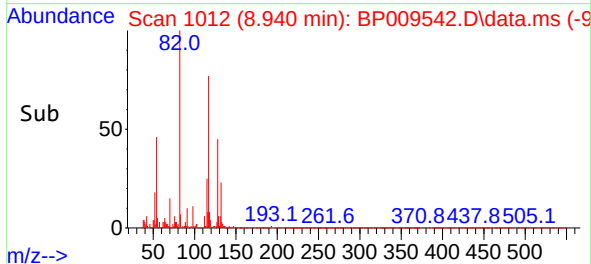
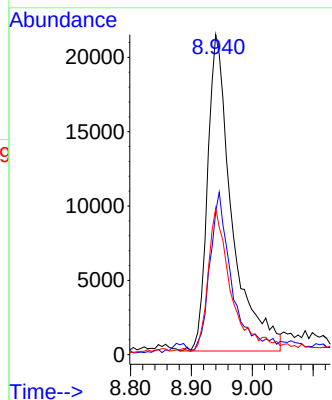
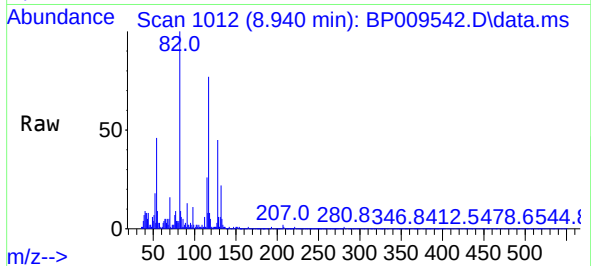
#23
Nitrobenzene-d5
Concen: 2.791 ng
RT: 8.940 min Scan# 1015
Delta R.T. 0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0DL

Tgt Ion: 82 Resp: 5932
Ion Ratio Lower Upper
82 100
128 44.7 34.2 51.4
54 45.9 34.7 52.1

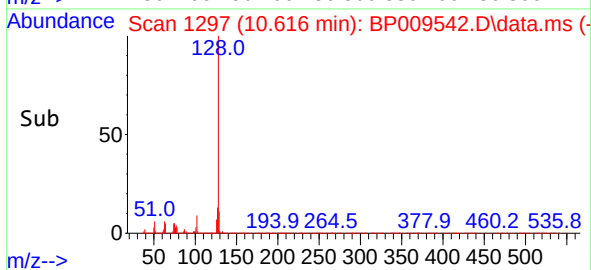
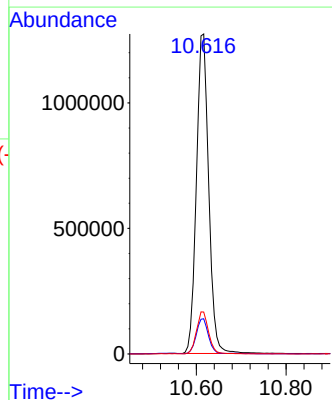
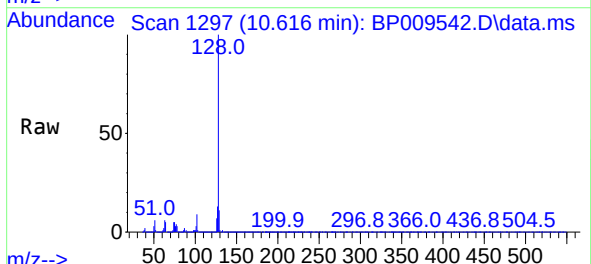
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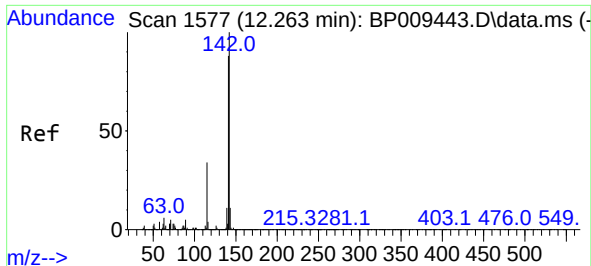
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#31
Naphthalene
Concen: 41.496 ng
RT: 10.616 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

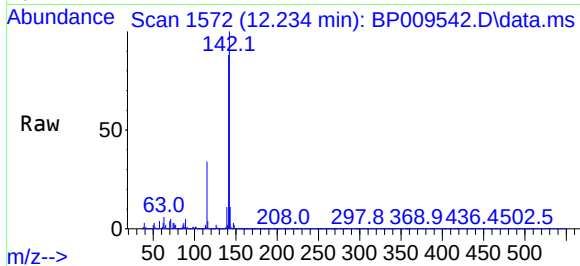
Tgt Ion:128 Resp: 2414481
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.1 10.5 15.7





#37
2-Methylnaphthalene
Concen: 32.978 ng
RT: 12.234 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

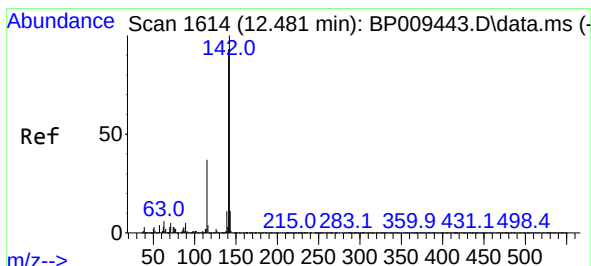
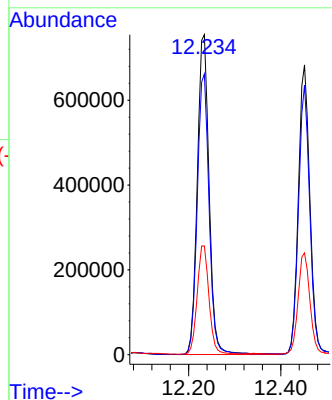
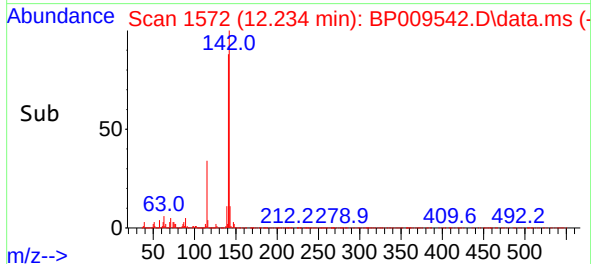
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0DL



Tgt Ion:142 Resp: 134633
Ion Ratio Lower Upper
142 100
141 87.7 70.2 105.4
115 34.0 27.4 41.2

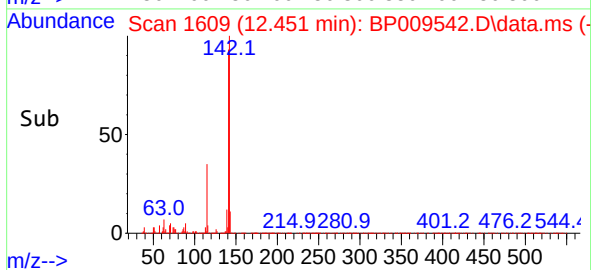
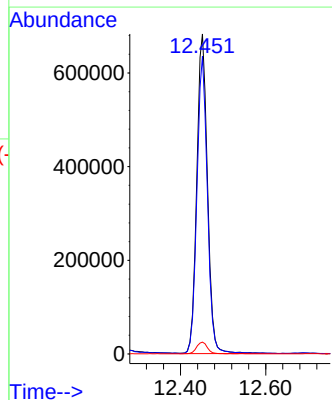
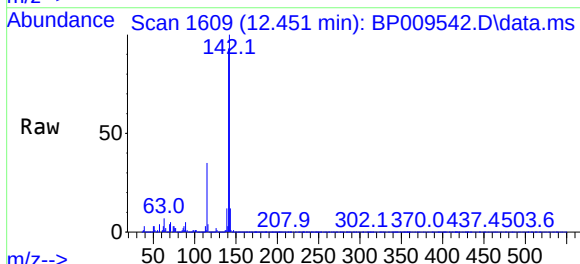
Manual Integrations
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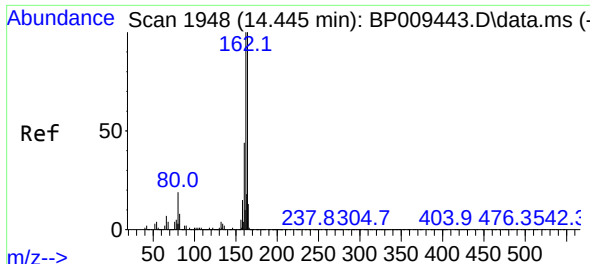
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#38
1-Methylnaphthalene
Concen: 29.835 ng
RT: 12.451 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

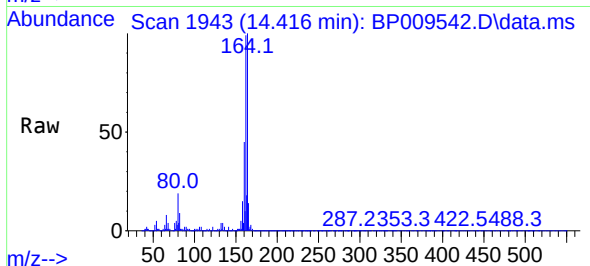
Tgt Ion:142 Resp: 1186564
Ion Ratio Lower Upper
142 100
141 93.0 73.5 110.3
116 3.7 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

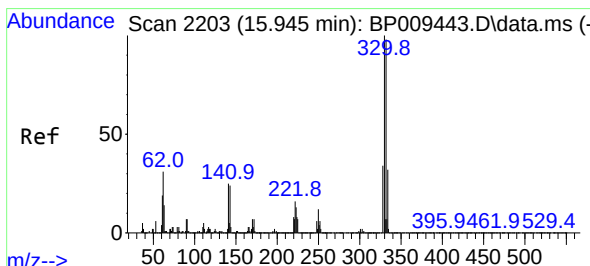
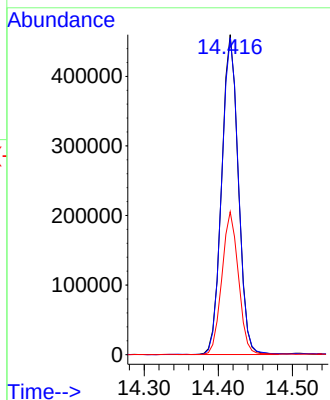
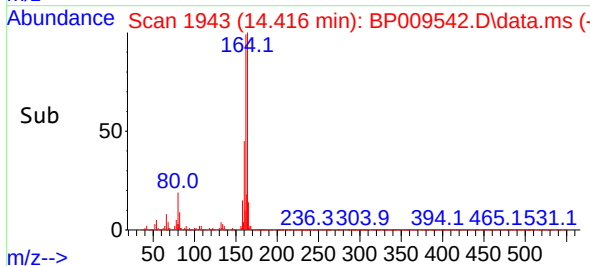
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BNA_P
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SB-13-20220316-16.0-17.0DL



Tgt Ion:164 Resp: 717474
Ion Ratio Lower Upper
164 100
162 99.1 79.1 118.7
160 44.6 34.9 52.3

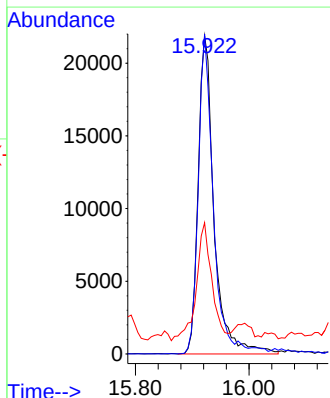
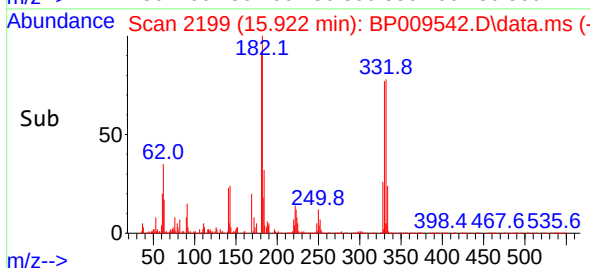
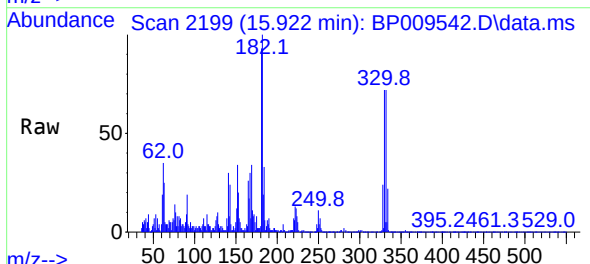
Manual Integrations
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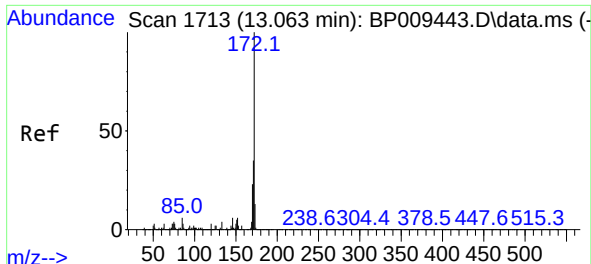
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#42
2,4,6-Tribromophenol
Concen: 3.595 ng
RT: 15.922 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

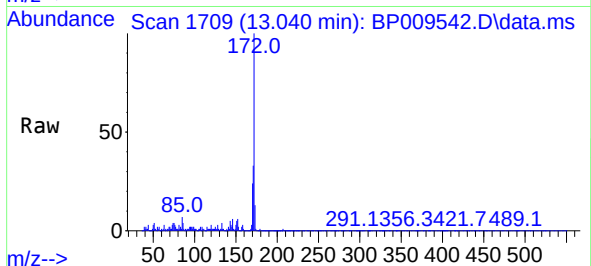
Tgt Ion:330 Resp: 42558
Ion Ratio Lower Upper
330 100
332 93.7 77.0 115.6
141 36.3 27.6 41.4





#45
2-Fluorobiphenyl
Concen: 2.964 ng
RT: 13.040 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

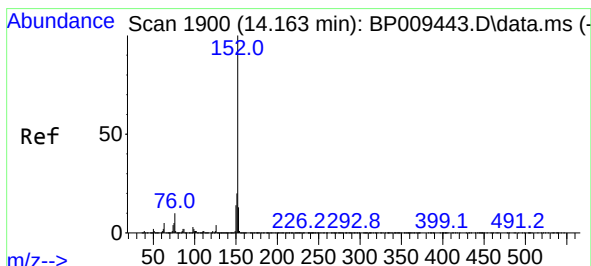
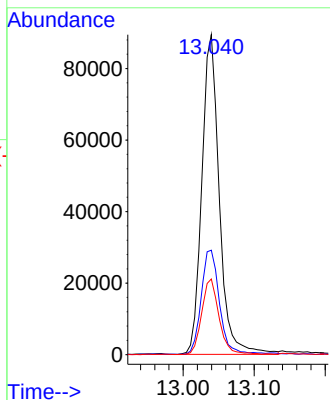
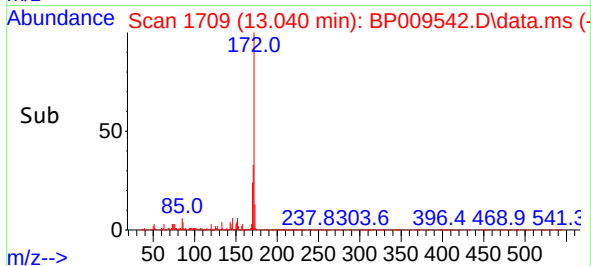
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Tgt Ion:172 Resp: 153380
Ion Ratio Lower Upper
172 100
171 32.6 28.0 42.0
170 23.7 18.6 27.8

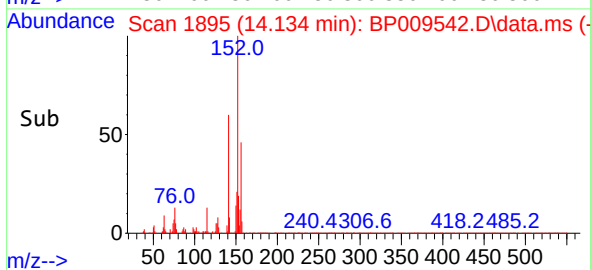
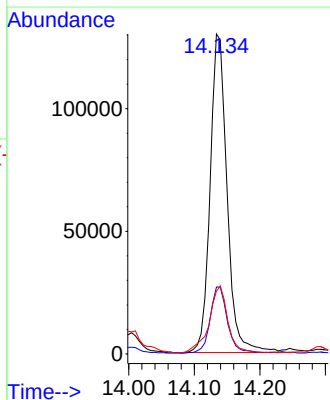
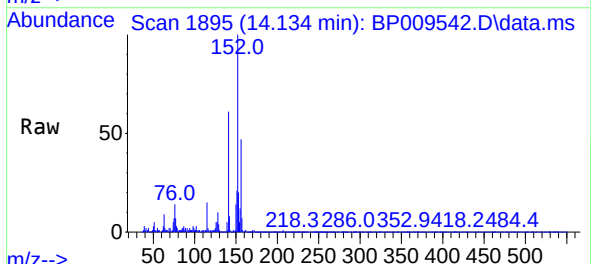
Manual Integrations
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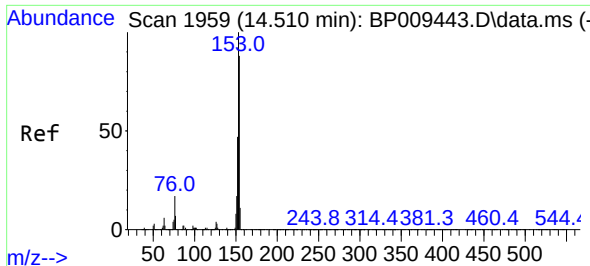
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#49
Acenaphthylene
Concen: 3.582 ng
RT: 14.134 min Scan# 1895
Delta R.T. -0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

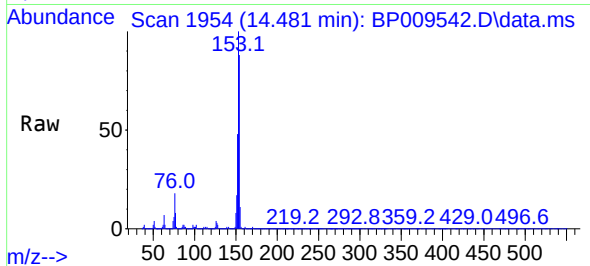
Tgt Ion:152 Resp: 233031
Ion Ratio Lower Upper
152 100
151 20.9 15.9 23.9
153 19.6 10.7 16.1#





#52
Acenaphthene
Concen: 22.237 ng
RT: 14.481 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

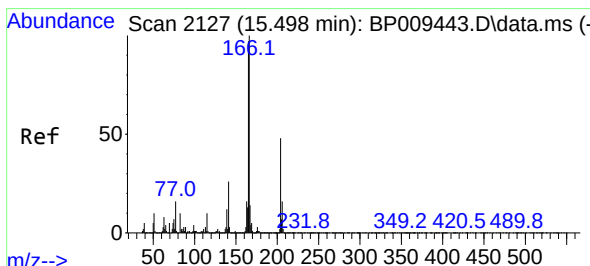
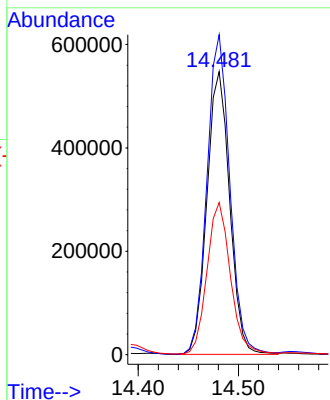
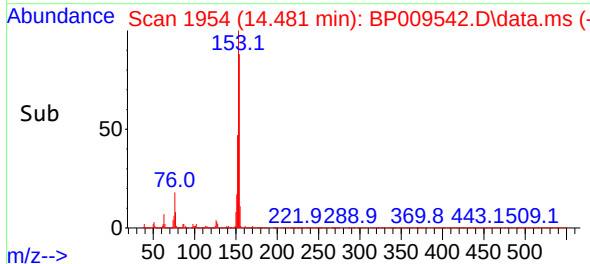
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0DL



Tgt Ion:154 Resp: 864120
Ion Ratio Lower Upper
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153 113.1 90.2 135.4
152 53.7 42.7 64.1

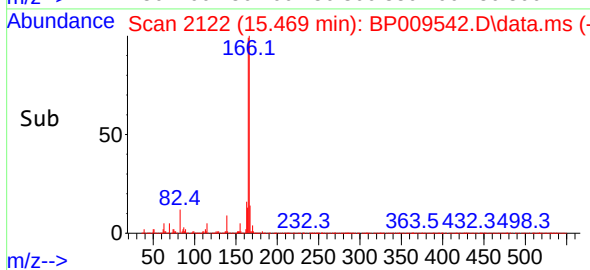
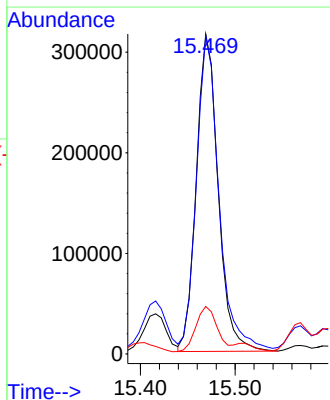
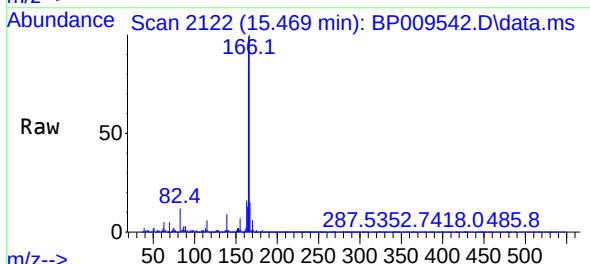
Manual Integrations
APPROVED

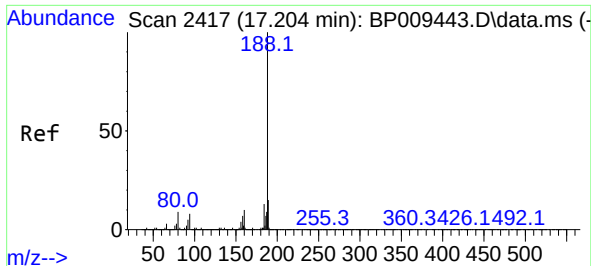
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#58
Fluorene
Concen: 9.872 ng
RT: 15.469 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

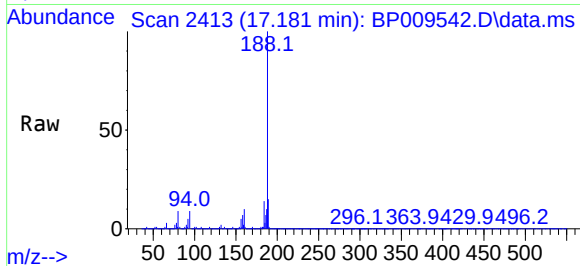
Tgt Ion:166 Resp: 506844
Ion Ratio Lower Upper
166 100
165 99.4 79.2 118.8
167 14.9 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

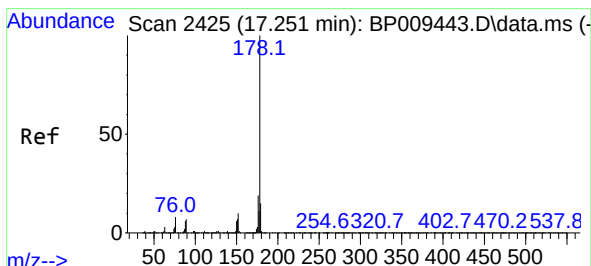
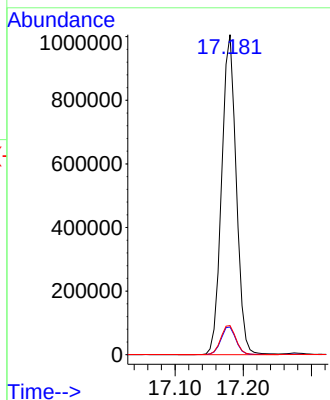
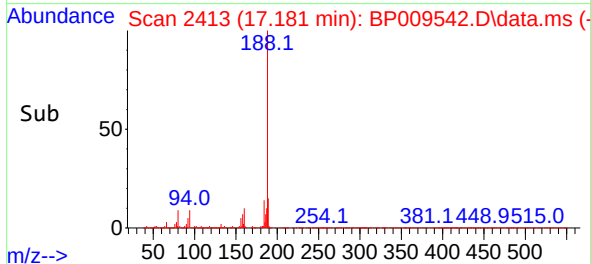
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0DL



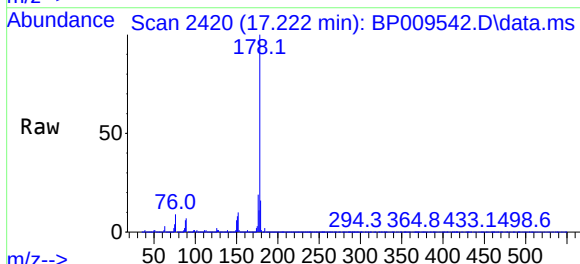
Tgt Ion:188 Resp: 1500880
Ion Ratio Lower Upper
188 100
94 8.6 7.9 11.9
80 9.1 8.8 13.2

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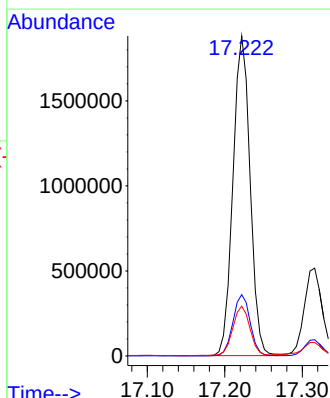
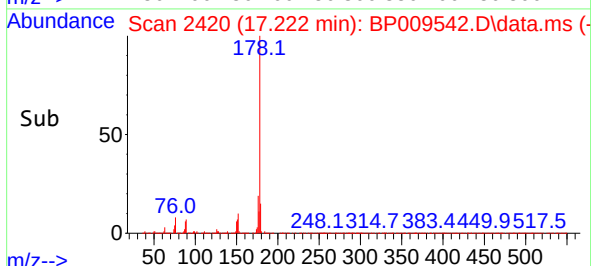
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

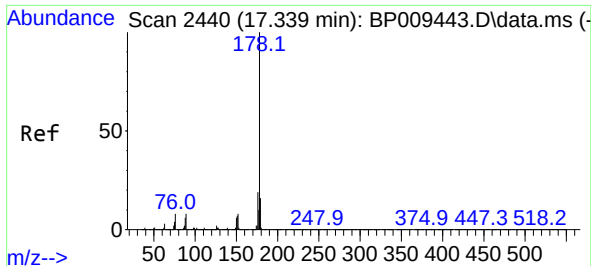


#71
Phenanthrene
Concen: 36.026 ng
RT: 17.222 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23



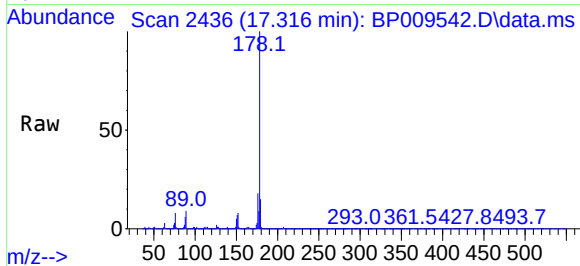
Tgt Ion:178 Resp: 2894395
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.5 12.3 18.5





#72
 Anthracene
 Concen: 10.135 ng
 RT: 17.316 min Scan# 2440
 Delta R.T. -0.000 min
 Lab File: BP009542.D
 Acq: 24 Mar 2022 22:23

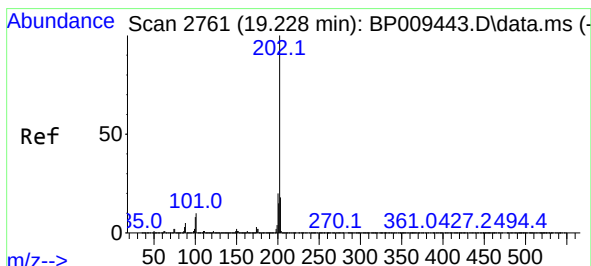
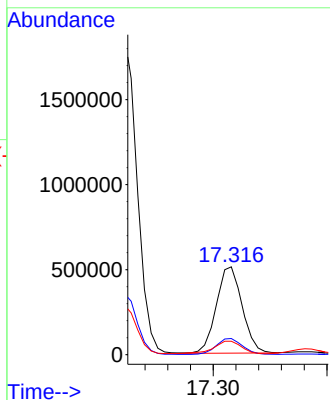
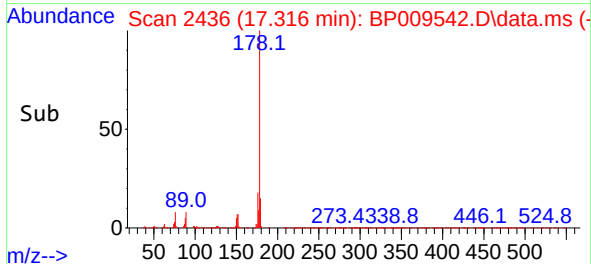
Instrument :
 BNA_P
 ClientSampleId :
 SB-13-20220316-16.0-17.0DL



Tgt Ion:178 Resp: 803979
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.8 22.2
 179 15.3 12.2 18.4

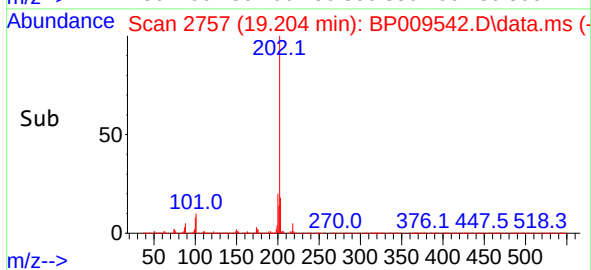
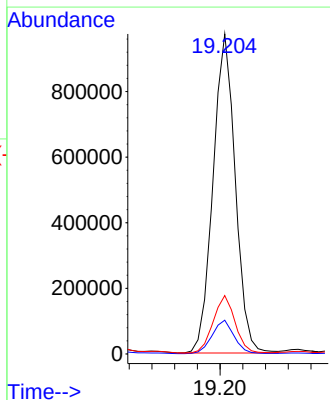
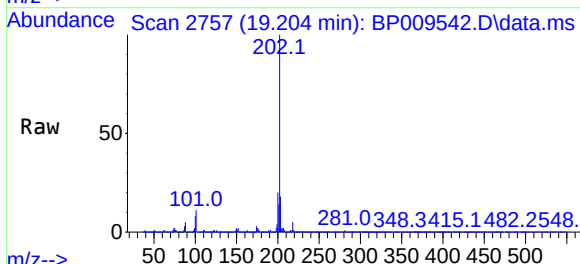
Manual Integrations
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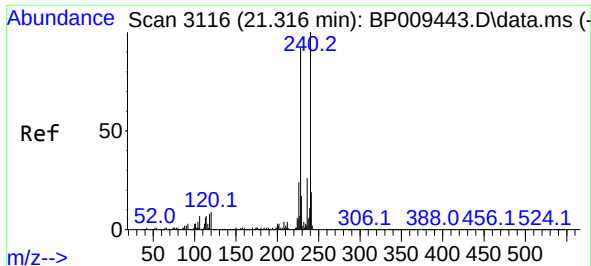
Reviewed By :Christian Giraldo 03/25/2022
 Supervised By :Jagrut Upadhyay 03/25/2022



#75
 Fluoranthene
 Concen: 13.621 ng
 RT: 19.204 min Scan# 2757
 Delta R.T. -0.006 min
 Lab File: BP009542.D
 Acq: 24 Mar 2022 22:23

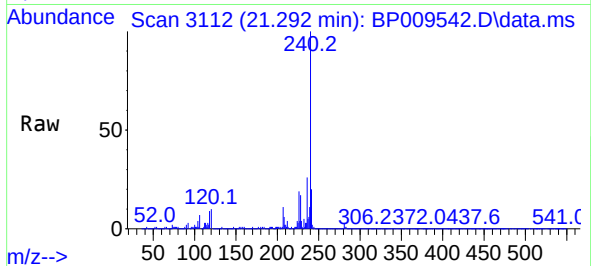
Tgt Ion:202 Resp: 1324838
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.5
 203 18.3 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

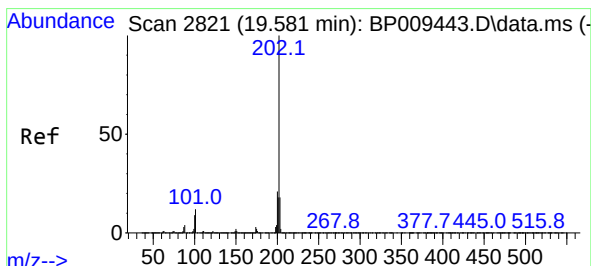
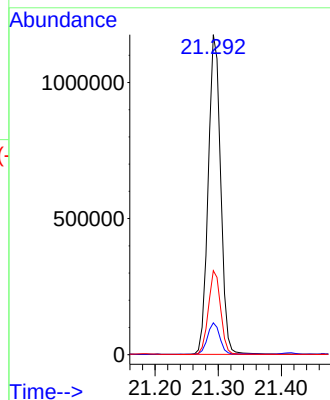
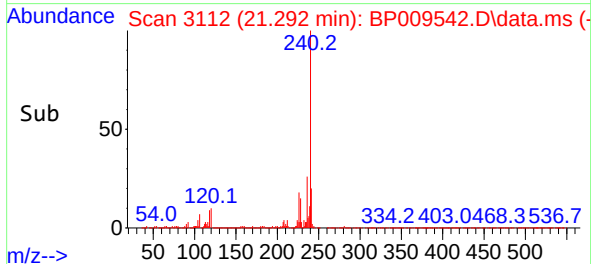
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0DL



Tgt Ion:240 Resp: 1601090
Ion Ratio Lower Upper
240 100
120 9.9 9.0 13.4
236 26.3 20.6 30.8

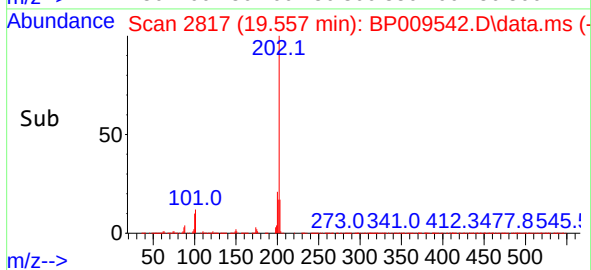
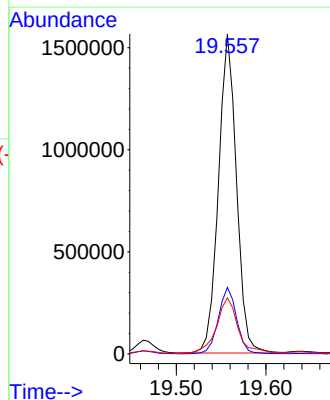
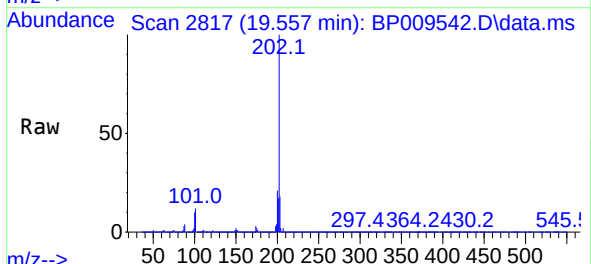
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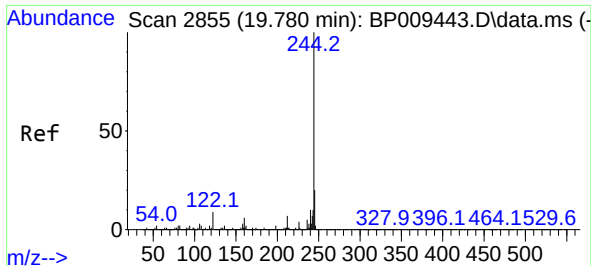
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#78
Pyrene
Concen: 20.655 ng
RT: 19.557 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

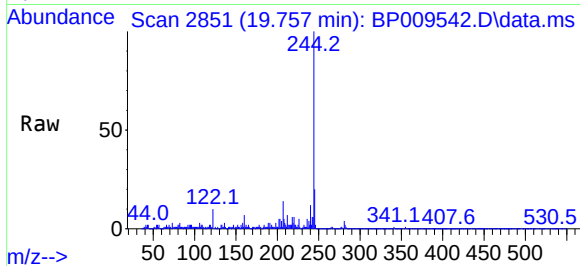
Tgt Ion:202 Resp: 2179182
Ion Ratio Lower Upper
202 100
200 20.8 16.8 25.2
203 17.5 14.2 21.4





#79
Terphenyl-d14
Concen: 2.813 ng
RT: 19.757 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

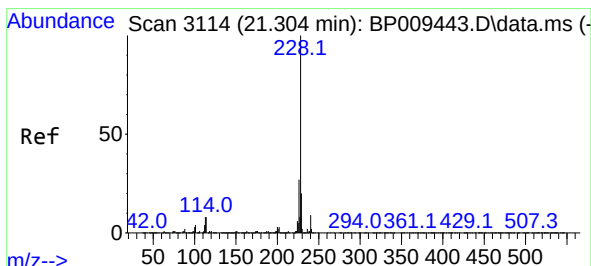
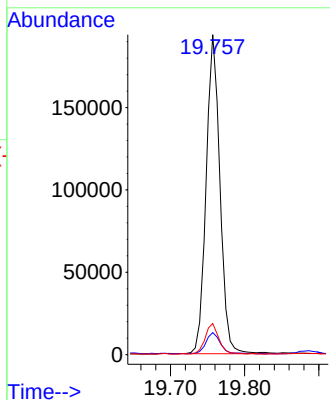
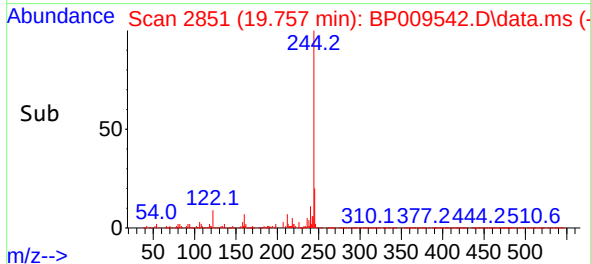
Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0DL



Tgt Ion:244 Resp: 25091
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 9.7 8.3 12.5

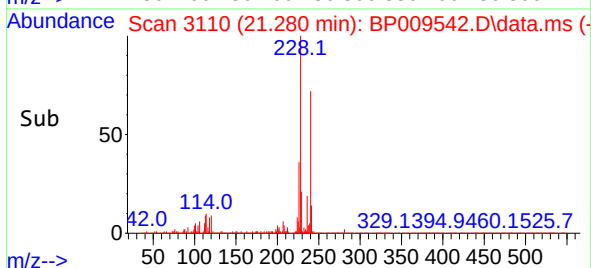
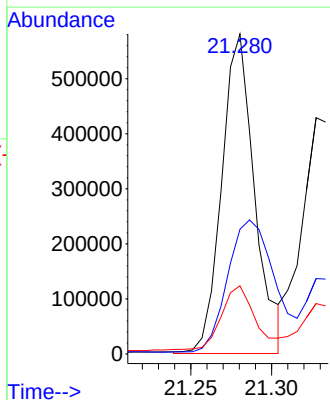
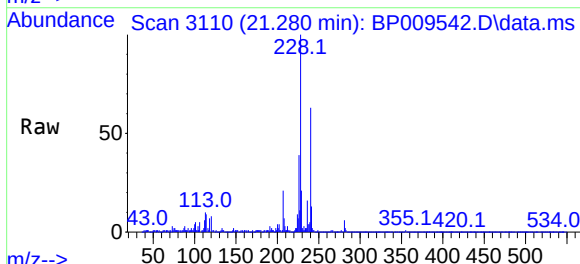
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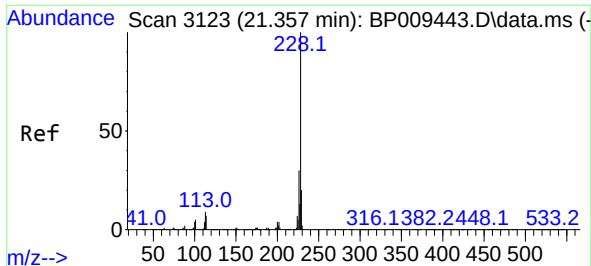
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#81
Benzo(a)anthracene
Concen: 7.829 ng m
RT: 21.280 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

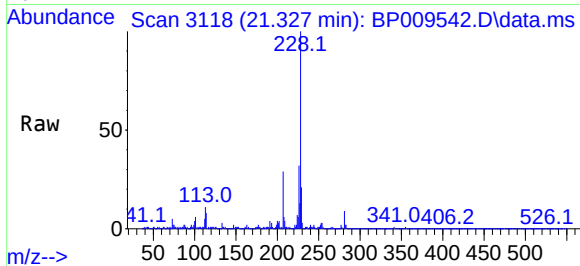
Tgt Ion:228 Resp: 823517
Ion Ratio Lower Upper
228 100
226 38.9 22.0 33.0#
229 21.3 16.1 24.1





#83
Chrysene
Concen: 6.618 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

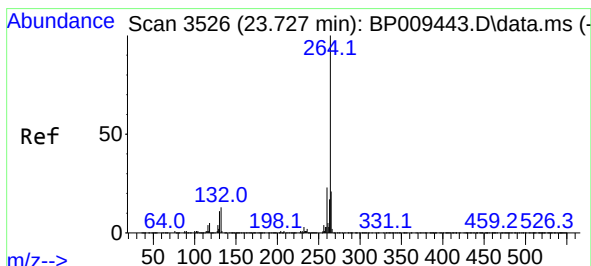
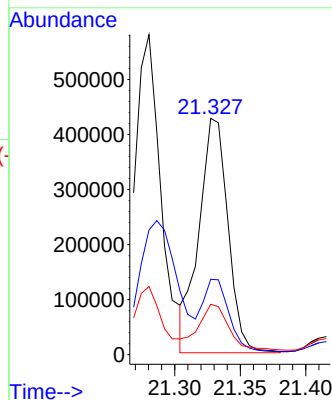
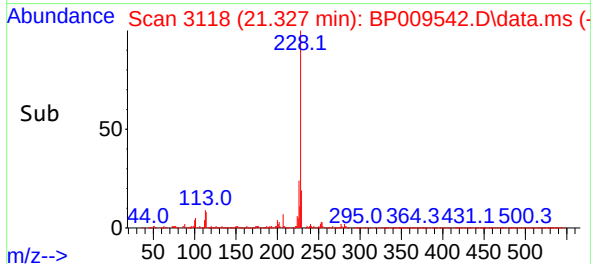
Instrument : BNA_P
ClientSampleId : SB-13-20220316-16.0-17.0DL



Tgt Ion:228 Resp: 65918
Ion Ratio Lower Upper
228 100
226 31.9 24.2 36.2
229 21.3 16.1 24.1

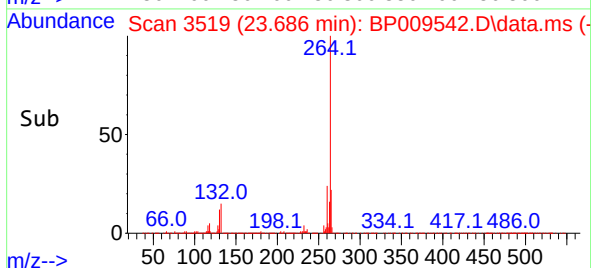
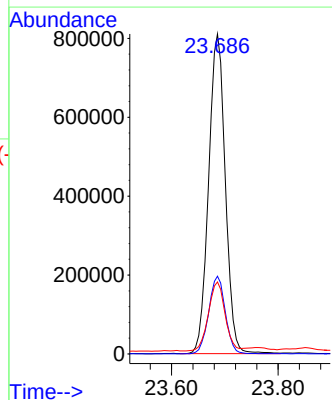
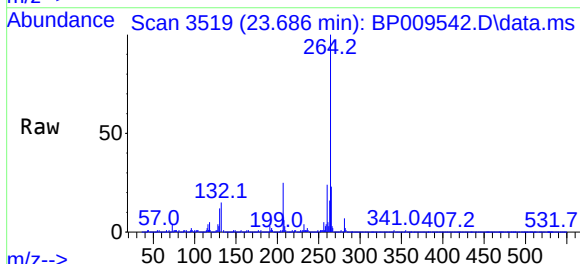
Manual Integrations
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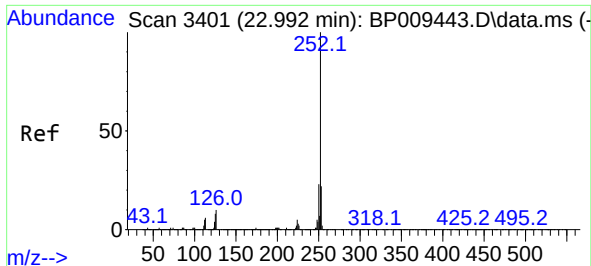
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.686 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

Tgt Ion:264 Resp: 1765228
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.0
265 22.5 17.2 25.8





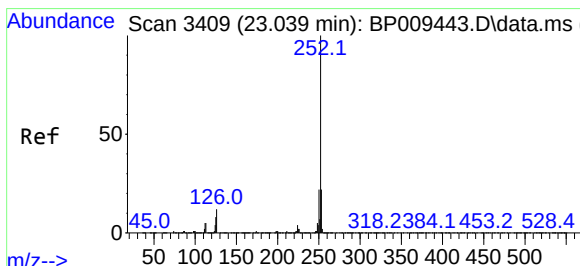
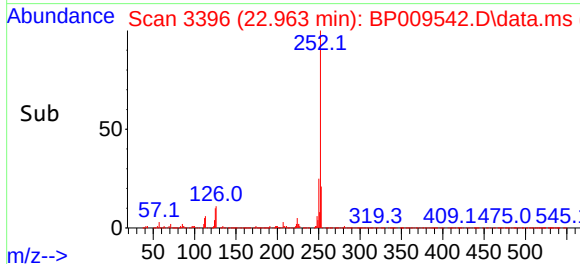
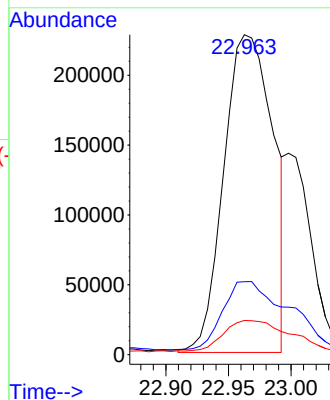
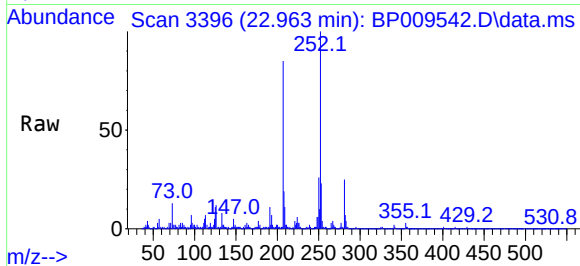
#88
Benzo(b)fluoranthene
Concen: 5.923 ng m
RT: 22.963 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0DL

Tgt Ion:252 Resp: 624110
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 10.7 8.1 12.1

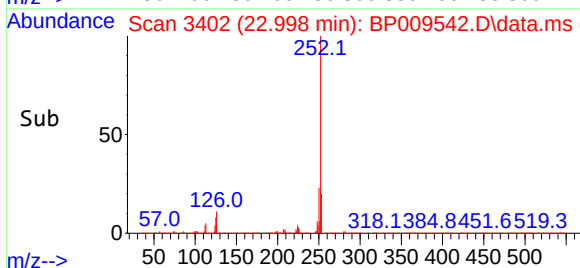
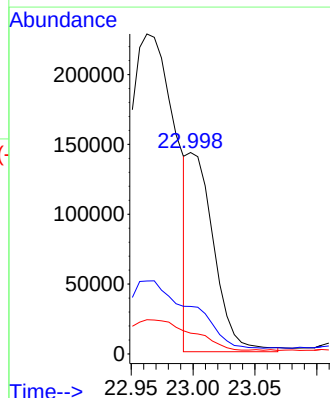
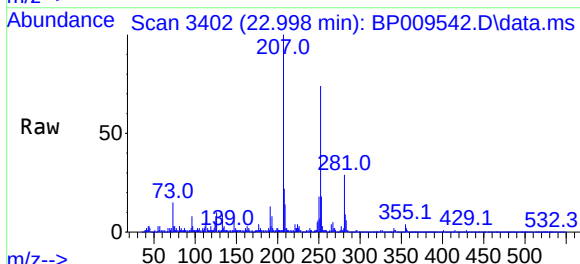
Manual Integrations
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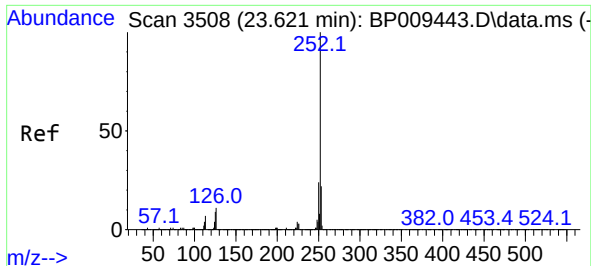
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#89
Benzo(k)fluoranthene
Concen: 2.035 ng m
RT: 22.998 min Scan# 3402
Delta R.T. -0.012 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

Tgt Ion:252 Resp: 209949
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 10.4 8.3 12.5





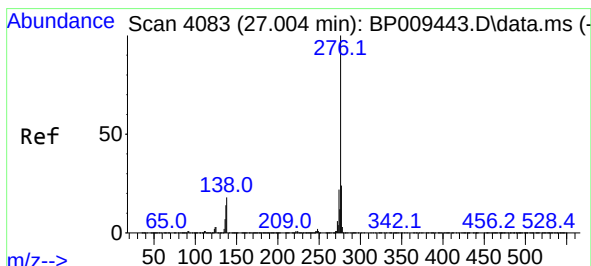
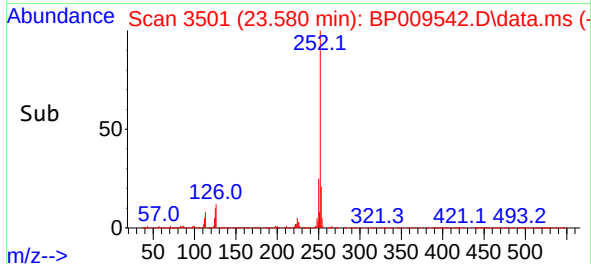
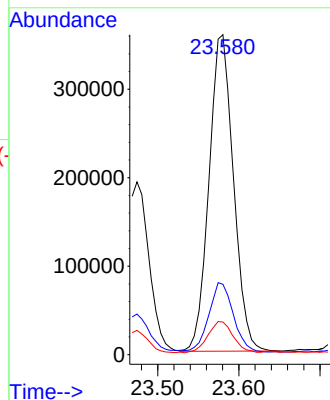
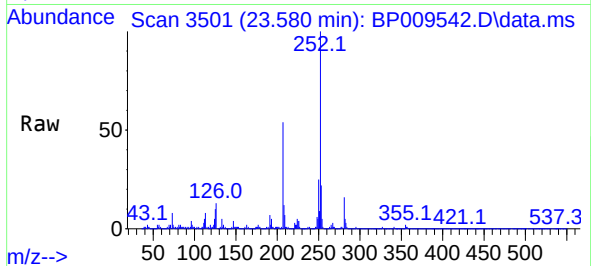
#90
Benzo(a)pyrene
Concen: 8.304 ng
RT: 23.580 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0DL

Tgt Ion:252 Resp: 74867
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 10.2 9.3 13.9

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



#92
Benzo(g,h,i)perylene
Concen: 3.481 ng
RT: 26.927 min Scan# 4070
Delta R.T. -0.024 min
Lab File: BP009542.D
Acq: 24 Mar 2022 22:23

Tgt Ion:276 Resp: 382222
Ion Ratio Lower Upper
276 100
277 28.3 19.2 28.8
138 21.2 18.0 27.0

