

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120621\
 Data File : BP008239.D
 Acq On : 06 Dec 2021 21:00
 Operator : CG/JU
 Sample : M4920-01DL 25X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FDR-20211202-WC-SDL

Quant Time: Dec 07 05:12:14 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 03 14:39:24 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/07/2021
 Supervised By :mohammad ahmed 12/07/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	72217	20.000	ng	-0.01
21) Naphthalene-d8	10.587	136	270644	20.000	ng	-0.01
39) Acenaphthene-d10	14.434	164	176512	20.000	ng	-0.01
64) Phenanthrene-d10	17.198	188	406874	20.000	ng	-0.01
76) Chrysene-d12	21.304	240	473967	20.000	ng	-0.01
86) Perylene-d12	23.704	264	521159	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	22881	5.101	ng	0.00
7) Phenol-d6	6.981	99	27473	4.537	ng	0.00
23) Nitrobenzene-d5	8.952	82	15882	2.668	ng	-0.01
42) 2,4,6-Tribromophenol	15.940	330	11379	5.044	ng	-0.01
45) 2-Fluorobiphenyl	13.057	172	38285	3.151	ng	-0.01
79) Terphenyl-d14	19.769	244	77969	3.438	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.634	128	81077	5.848	ng	98
52) Acenaphthene	14.498	154	50827	5.466	ng	100
55) Dibenzofuran	14.840	168	48968	3.082	ng	98
58) Fluorene	15.493	166	60556	4.691	ng	99
71) Phenanthrene	17.245	178	534935	24.901	ng	99
72) Anthracene	17.334	178	145375	6.819	ng	99
73) Carbazole	17.616	167	63519	3.052	ng	100
75) Fluoranthene	19.222	202	684204	23.643	ng	96
78) Pyrene	19.575	202	550934	16.836	ng	98
81) Benzo(a)anthracene	21.292	228	373822	11.900	ng	99
83) Chrysene	21.345	228	322965m	10.805	ng	
87) Indeno(1,2,3-cd)pyrene	26.192	276	220528	5.816	ng	# 94
88) Benzo(b)fluoranthene	22.974	252	441346	14.048	ng	99
89) Benzo(k)fluoranthene	23.016	252	160653m	5.223	ng	
90) Benzo(a)pyrene	23.598	252	318012	11.843	ng	98
92) Benzo(g,h,i)perylene	26.962	276	208104	6.551	ng	97

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

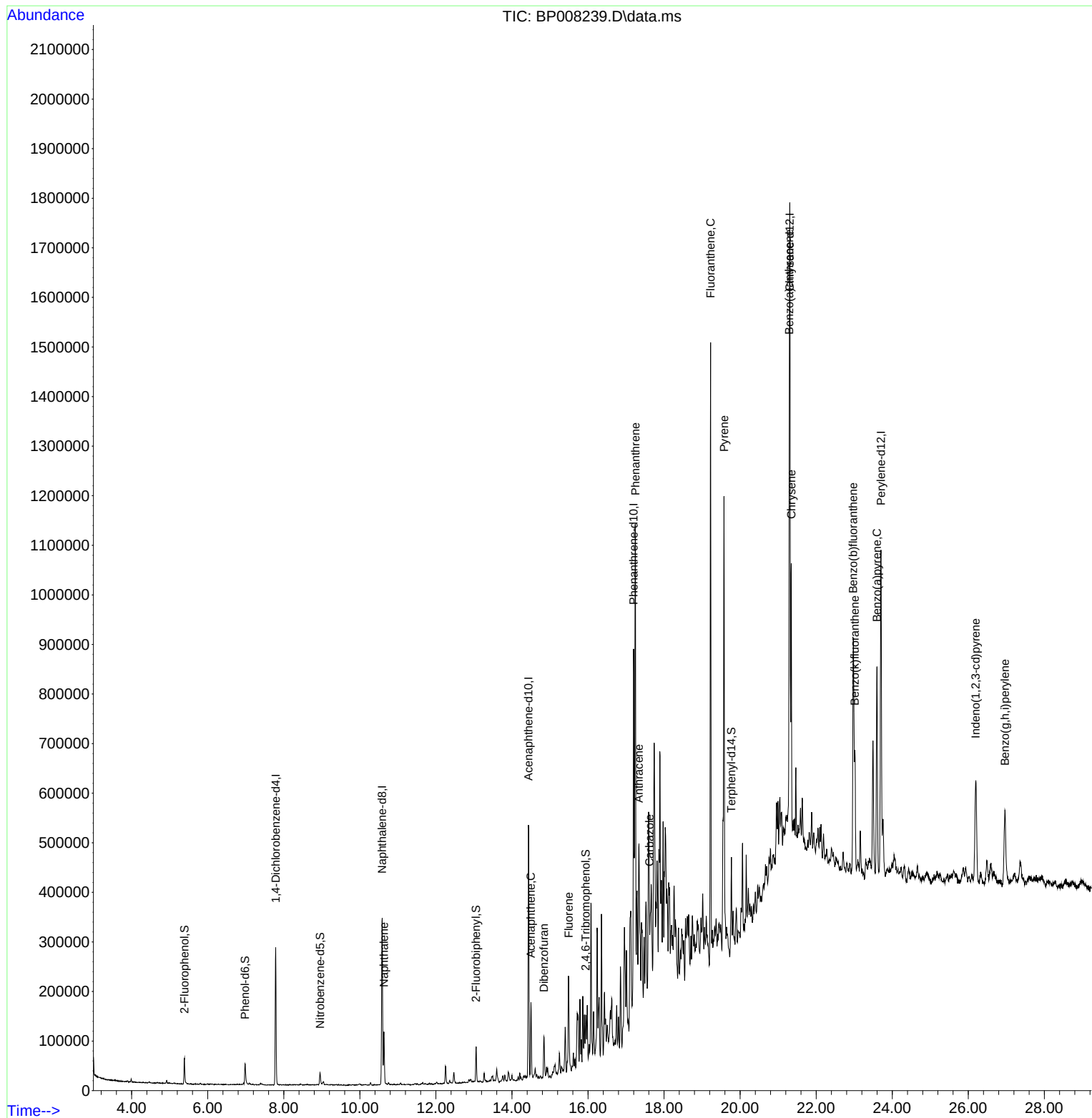
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120621\
Data File : BP008239.D
Acq On : 06 Dec 2021 21:00
Operator : CG/JU
Sample : M4920-01DL 25X
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ALS Vial : 18 Sample Multiplier: 1

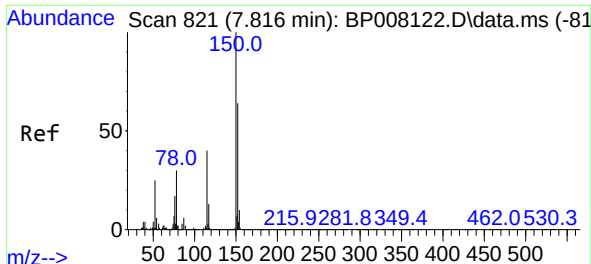
Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-SDL

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 03 14:39:24 2021
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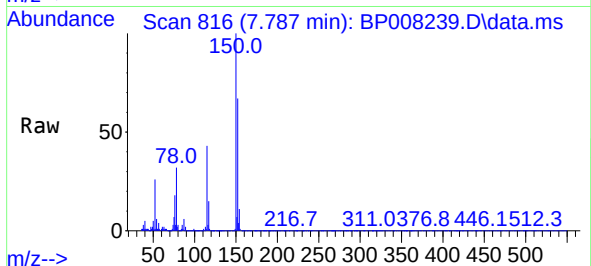
Reviewed By :Jagrut Upadhyay 12/07/2021
Supervised By :mohammad ahmed 12/07/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

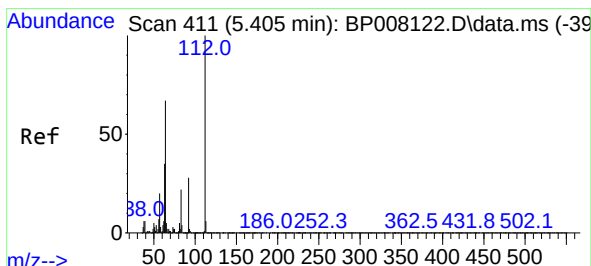
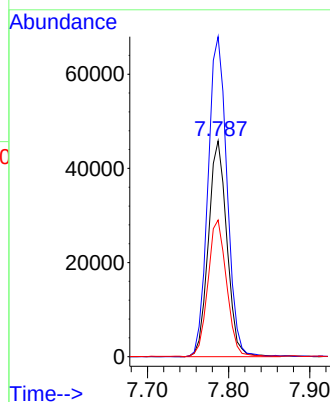
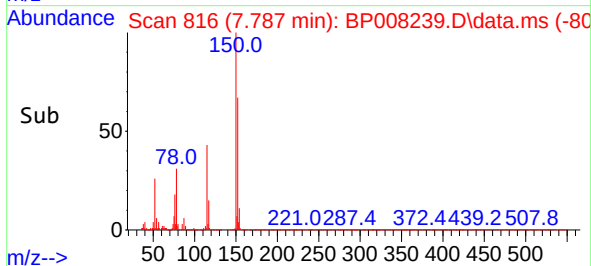
Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-SDL



Tgt Ion:152 Resp: 7221
Ion Ratio Lower Upper
152 100
150 148.2 125.7 188.5
115 63.3 50.7 76.1

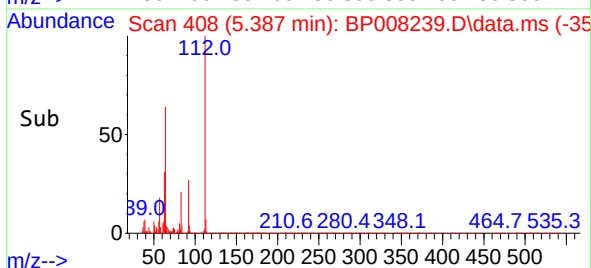
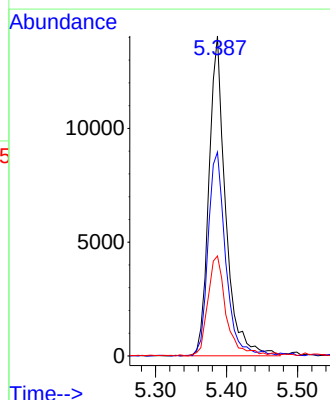
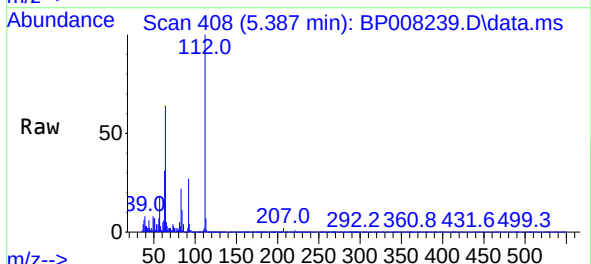
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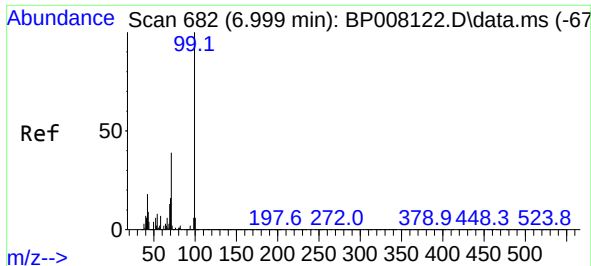
Reviewed By :Jagrut Upadhyay 12/07/2021
Supervised By :mohammad ahmed 12/07/2021



#5
2-Fluorophenol
Concen: 5.101 ng
RT: 5.387 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

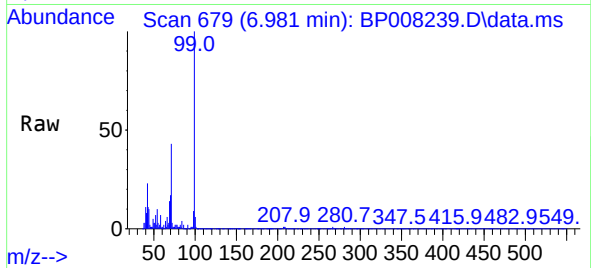
Tgt Ion:112 Resp: 22881
Ion Ratio Lower Upper
112 100
64 63.7 53.4 80.2
63 31.3 27.8 41.8





#7
Phenol-d6
Concen: 4.537 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

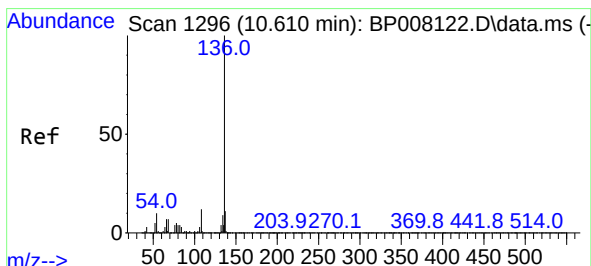
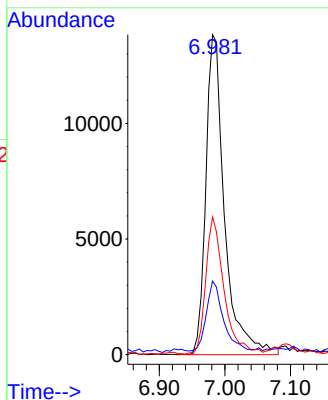
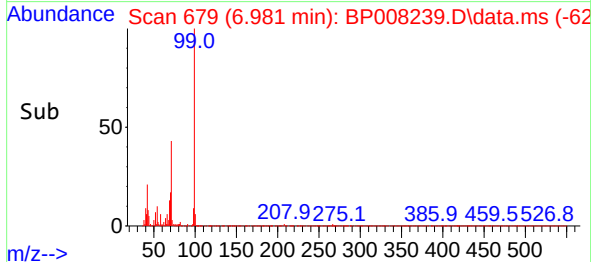
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ClientSampleId :
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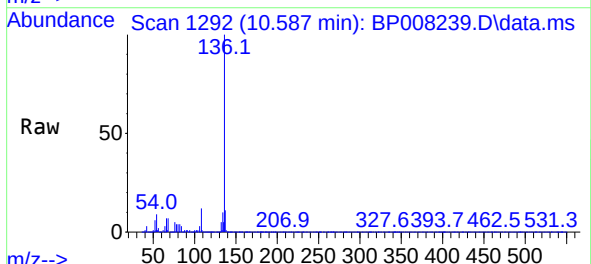
Tgt Ion: 99 Resp: 2747
Ion Ratio Lower Upper
99 100
42 23.0 14.6 22.0
71 43.0 31.1 46.7

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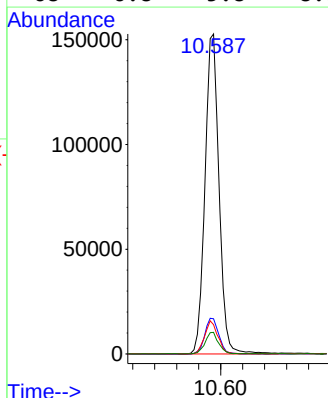
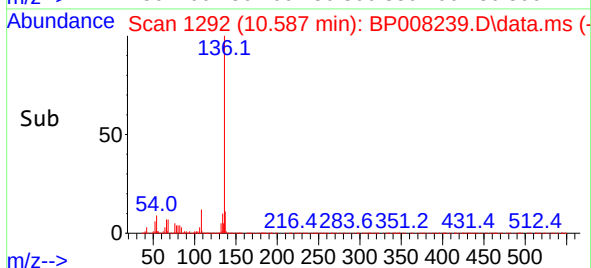
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Supervised By :mohammad ahmed 12/07/2021

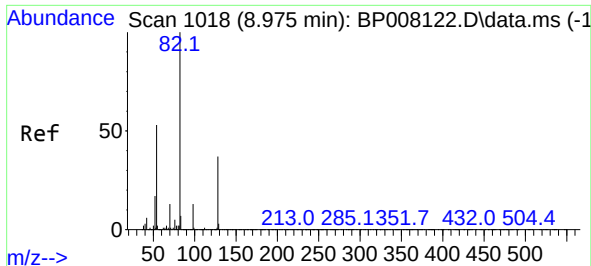


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00



Tgt Ion:136 Resp: 270644
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 9.2 8.2 12.4
68 6.8 5.8 8.8





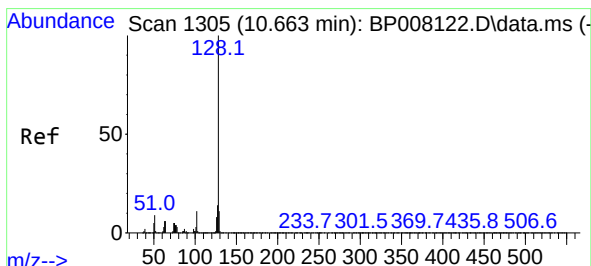
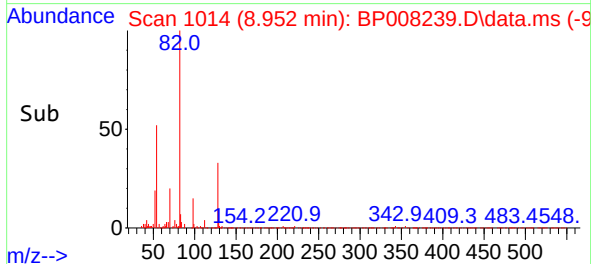
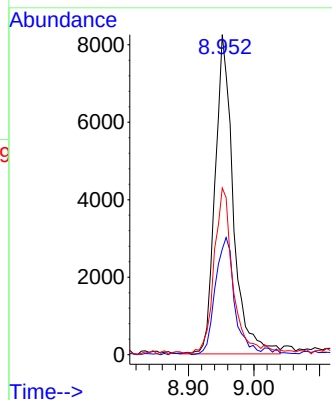
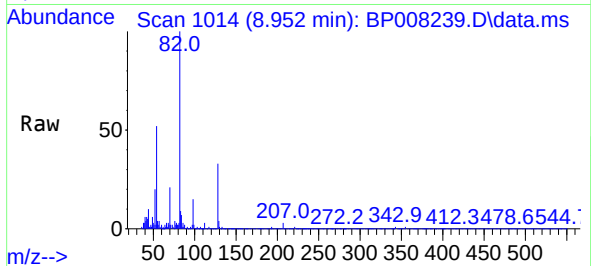
#23
Nitrobenzene-d5
Concen: 2.668 ng
RT: 8.952 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 82 Resp: 1588
Ion Ratio Lower Upper
82 100
128 33.0 29.6 44.4
54 52.1 42.7 64.1

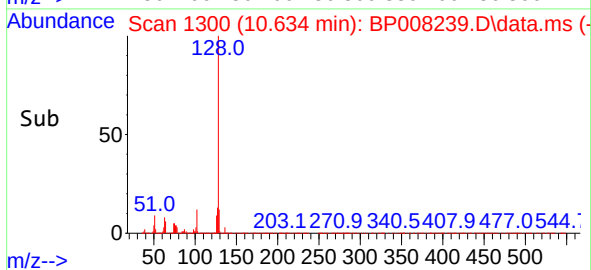
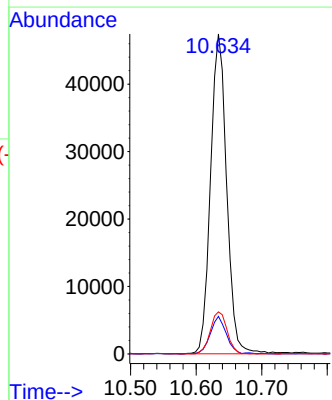
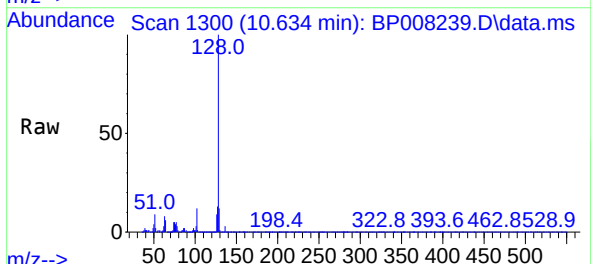
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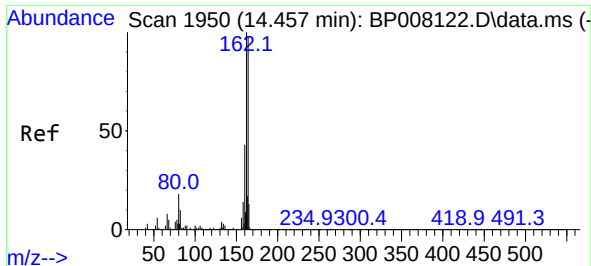
Reviewed By :Jagrut Upadhyay 12/07/2021
Supervised By :mohammad ahmed 12/07/2021



#31
Naphthalene
Concen: 5.848 ng
RT: 10.634 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

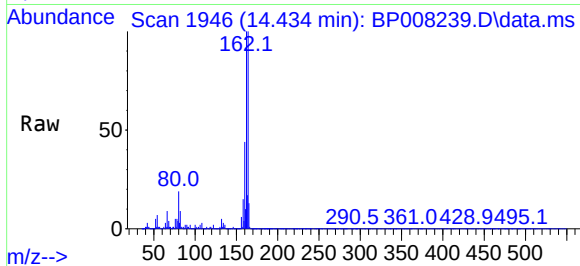
Tgt Ion:128 Resp: 81077
Ion Ratio Lower Upper
128 100
129 11.7 8.5 12.7
127 13.2 10.9 16.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.434 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

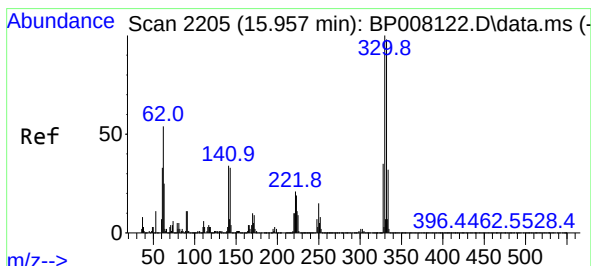
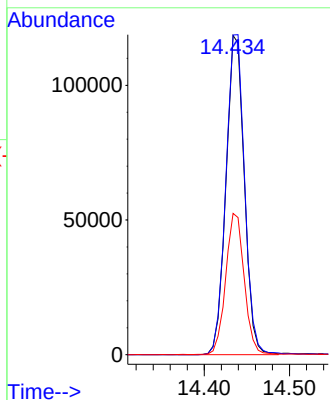
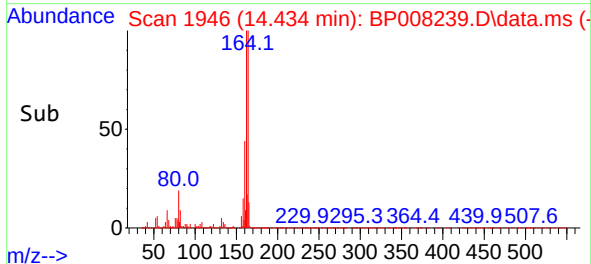
Instrument :
BNA_P
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Tgt Ion:164 Resp: 176512
Ion Ratio Lower Upper
164 100
162 100.2 81.9 122.9
160 44.3 35.4 53.0

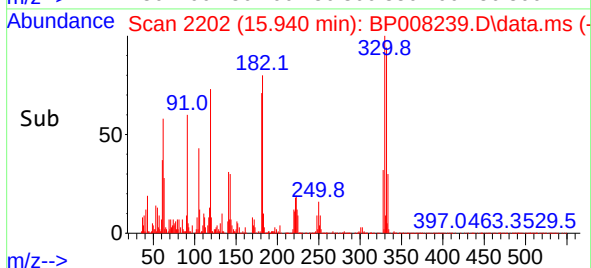
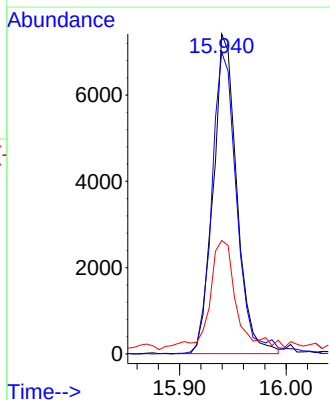
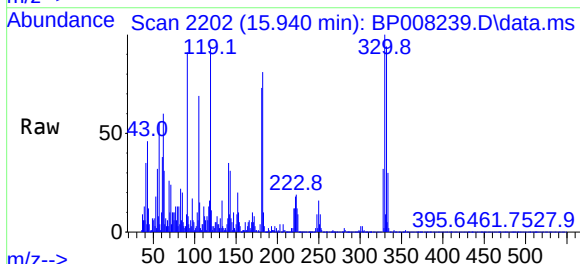
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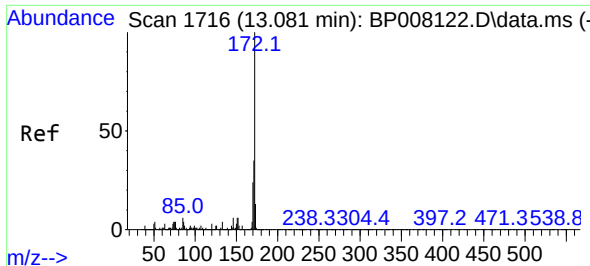
Reviewed By :Jagrut Upadhyay 12/07/2021
Supervised By :mohammad ahmed 12/07/2021



#42
2,4,6-Tribromophenol
Concen: 5.044 ng
RT: 15.940 min Scan# 2202
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

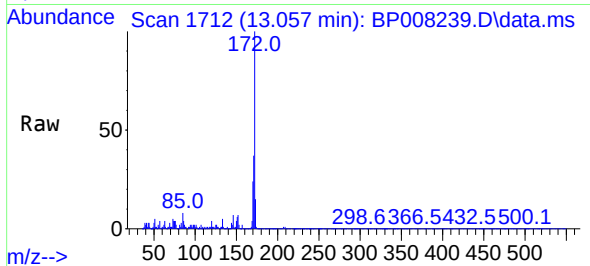
Tgt Ion:330 Resp: 11379
Ion Ratio Lower Upper
330 100
332 101.0 77.0 115.4
141 39.3 28.4 42.6





#45
2-Fluorobiphenyl
Concen: 3.151 ng
RT: 13.057 min Scan# 1716
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

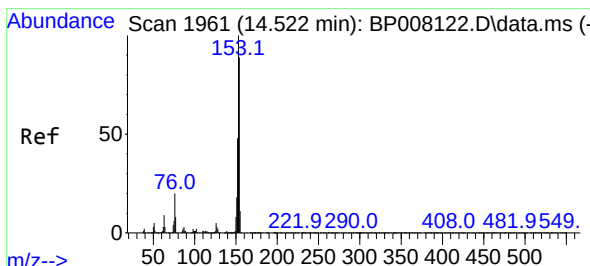
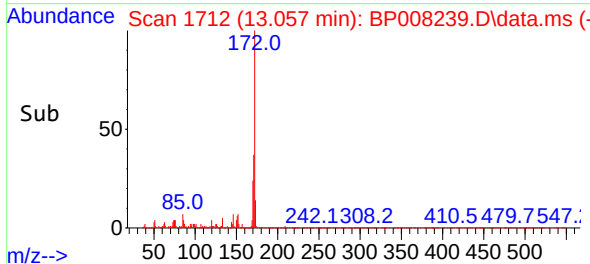
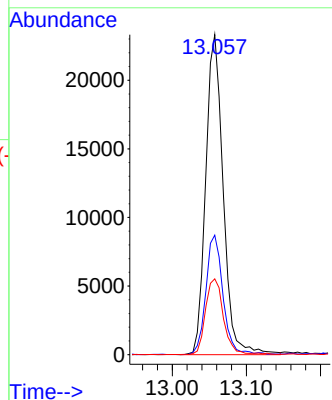
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:172 Resp: 38285
Ion Ratio Lower Upper
172 100
171 37.4 28.0 42.0
170 23.7 18.9 28.3

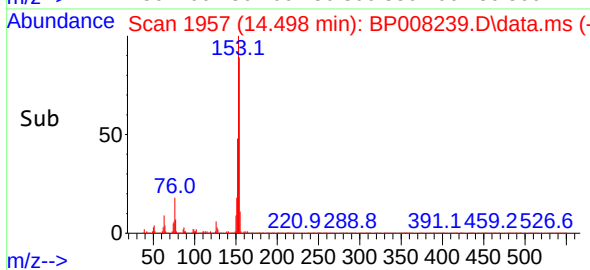
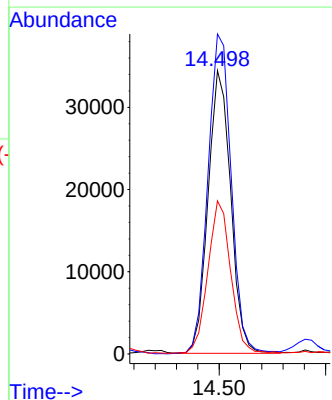
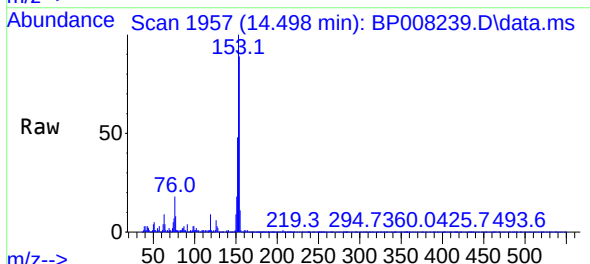
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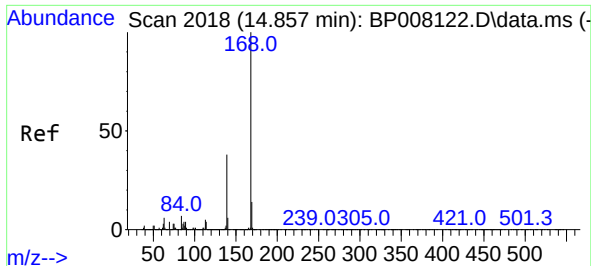
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Supervised By :mohammad ahmed 12/07/2021



#52
Acenaphthene
Concen: 5.466 ng
RT: 14.498 min Scan# 1957
Delta R.T. -0.018 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

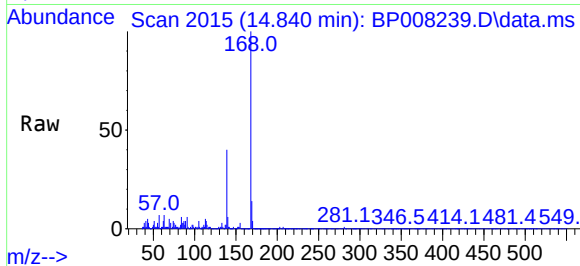
Tgt Ion:154 Resp: 50827
Ion Ratio Lower Upper
154 100
153 112.9 90.3 135.5
152 54.0 43.3 64.9





#55
Dibenzenofuran
Concen: 3.082 ng
RT: 14.840 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

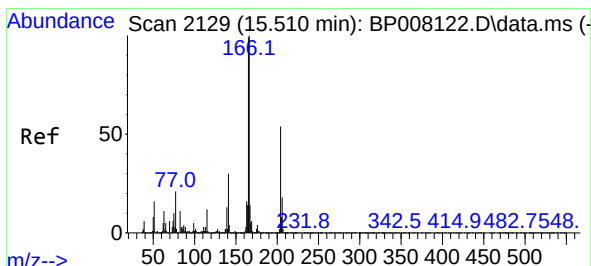
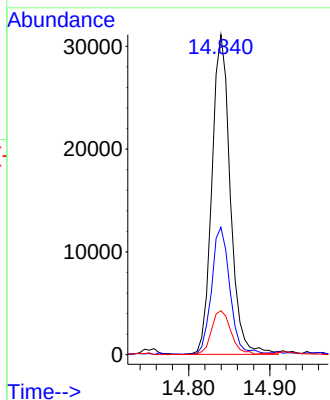
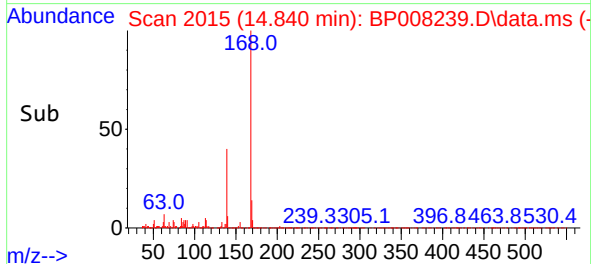
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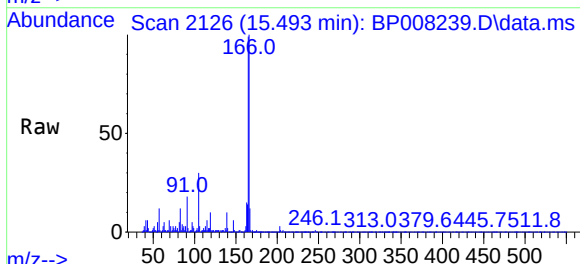
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Ion Ratio Lower Upper
168 100
139 39.8 30.6 46.0
169 13.7 11.0 16.4

Manual Integrations
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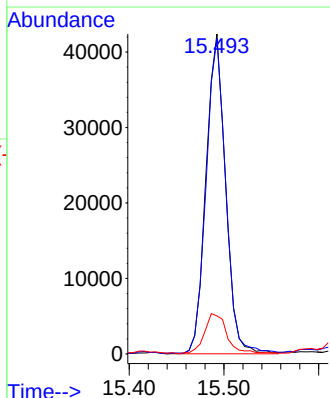
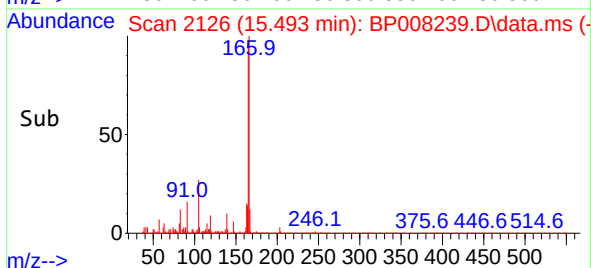
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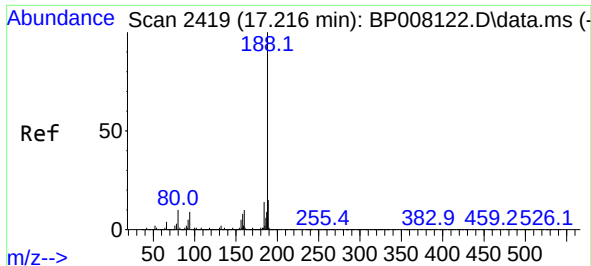


#58
Fluorene
Concen: 4.691 ng
RT: 15.493 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00



Tgt Ion:166 Resp: 60556
Ion Ratio Lower Upper
166 100
165 98.5 79.4 119.2
167 11.9 10.9 16.3





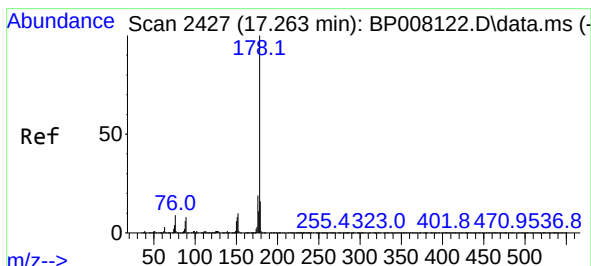
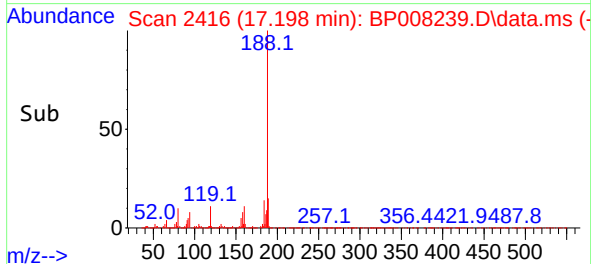
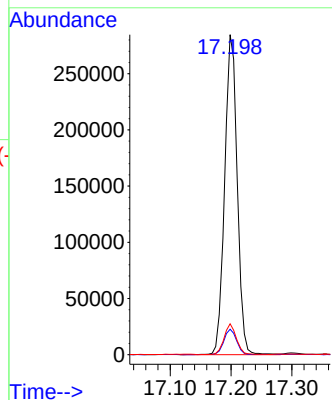
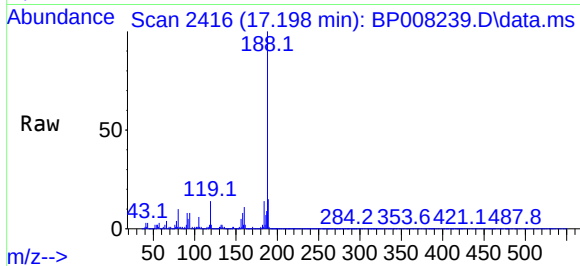
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-SDL

Tgt Ion:188 Resp: 406874
Ion Ratio Lower Upper
188 100
94 7.9 7.2 10.8
80 9.7 8.2 12.4

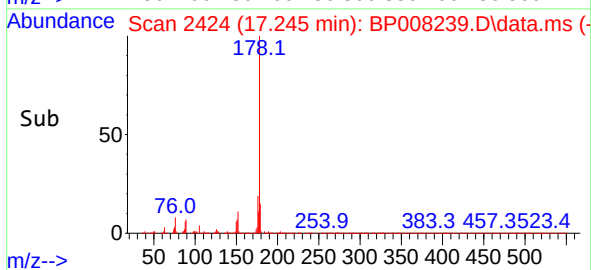
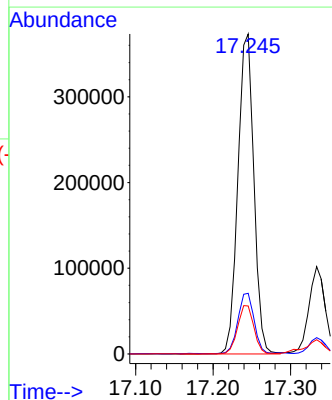
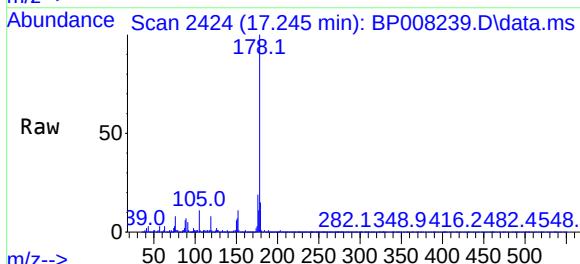
Manual Integrations
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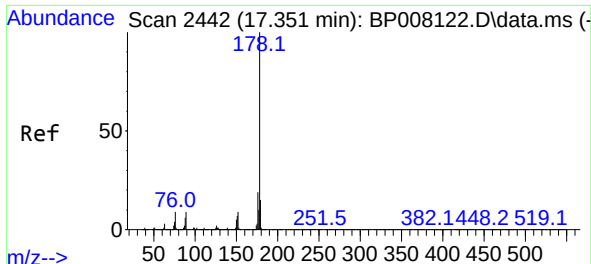
Reviewed By :Jagrut Upadhyay 12/07/2021
Supervised By :mohammad ahmed 12/07/2021



#71
Phenanthrene
Concen: 24.901 ng
RT: 17.245 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Tgt Ion:178 Resp: 534935
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.0 12.5 18.7





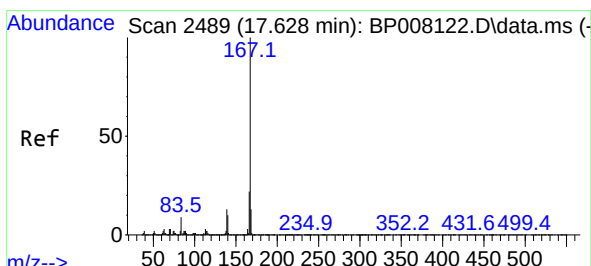
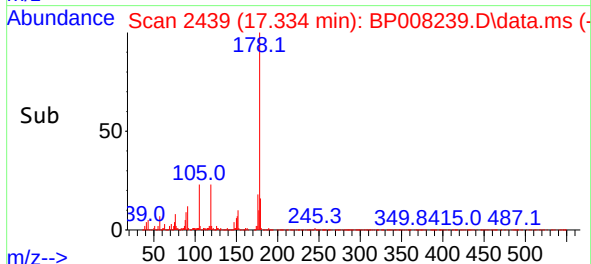
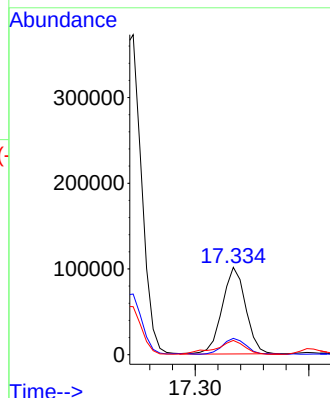
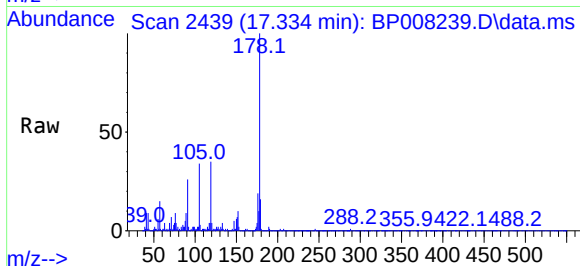
#72
 Anthracene
 Concen: 6.819 ng
 RT: 17.334 min Scan# 2442
 Delta R.T. -0.012 min
 Lab File: BP008239.D
 Acq: 06 Dec 2021 21:00

Instrument :
 BNA_P
 ClientSampleId :
 FDR-20211202-WC-SDL

Tgt Ion:178 Resp: 145379
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.1 22.7
 179 16.4 12.3 18.5

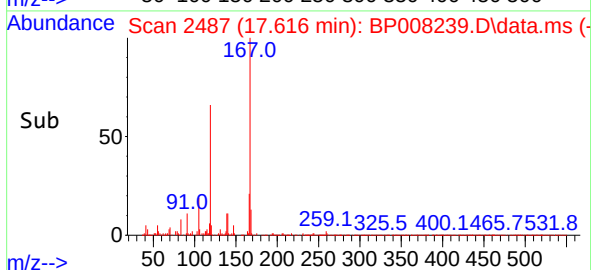
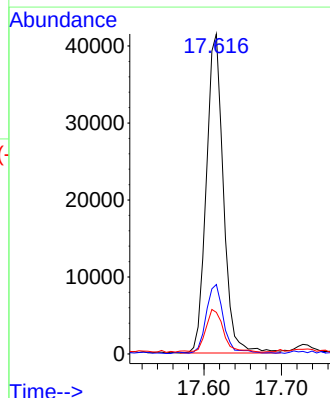
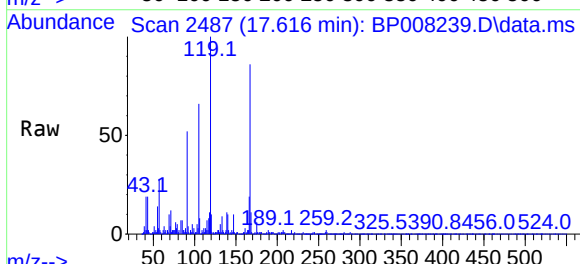
Manual Integrations
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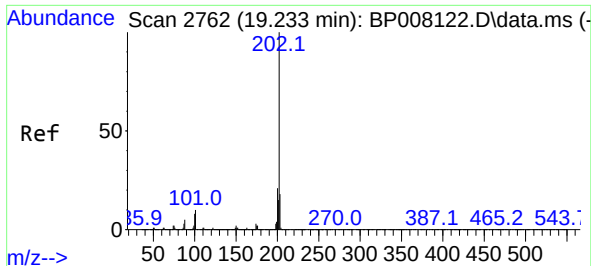
Reviewed By :Jagrut Upadhyay 12/07/2021
 Supervised By :mohammad ahmed 12/07/2021



#73
 Carbazole
 Concen: 3.052 ng
 RT: 17.616 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BP008239.D
 Acq: 06 Dec 2021 21:00

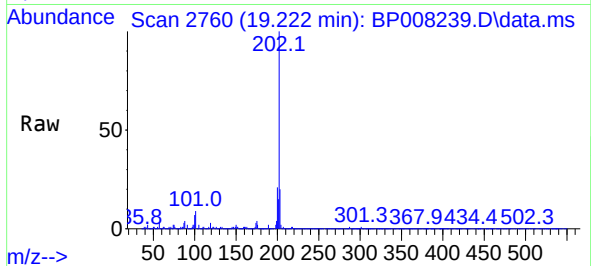
Tgt Ion:167 Resp: 63519
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.0
 139 13.0 10.2 15.2





#75
Fluoranthene
Concen: 23.643 ng
RT: 19.222 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

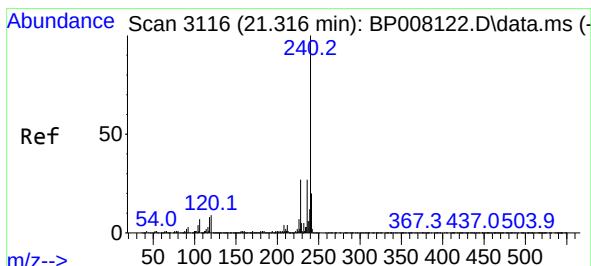
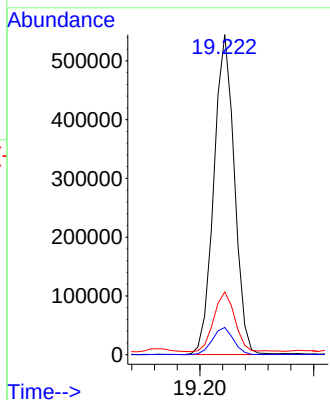
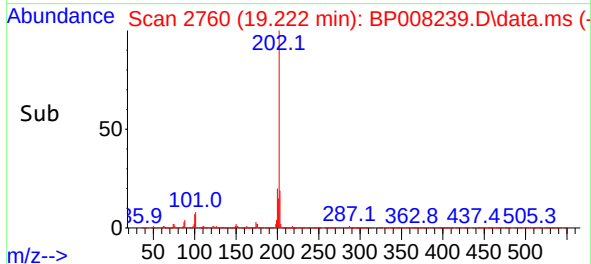
Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-SDL



Tgt Ion:202 Resp: 684204
Ion Ratio Lower Upper
202 100
101 8.5 0.0 29.8
203 19.6 0.0 37.7

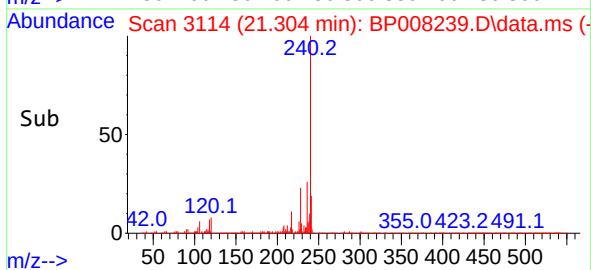
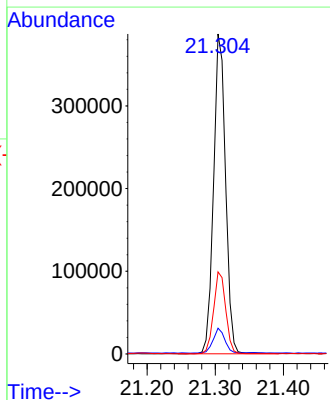
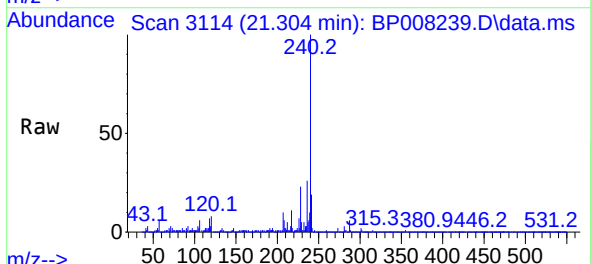
Manual Integrations
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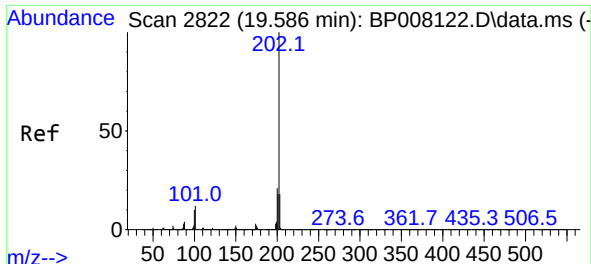
Reviewed By :Jagrut Upadhyay 12/07/2021
Supervised By :mohammad ahmed 12/07/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

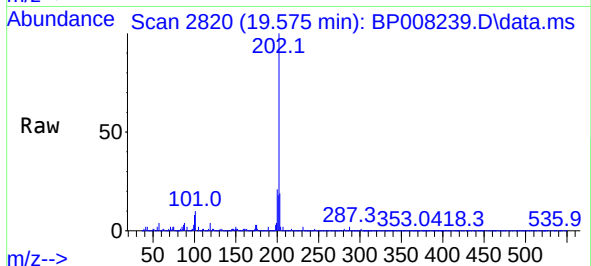
Tgt Ion:240 Resp: 473967
Ion Ratio Lower Upper
240 100
120 8.0 7.3 10.9
236 25.6 21.4 32.2





#78
Pyrene
Concen: 16.836 ng
RT: 19.575 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

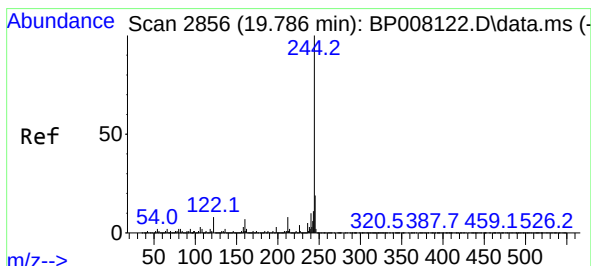
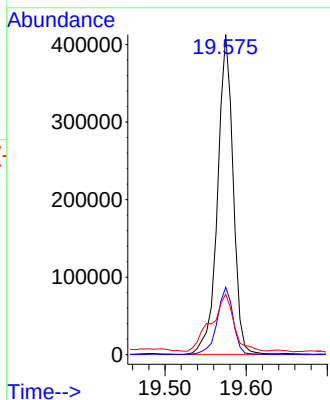
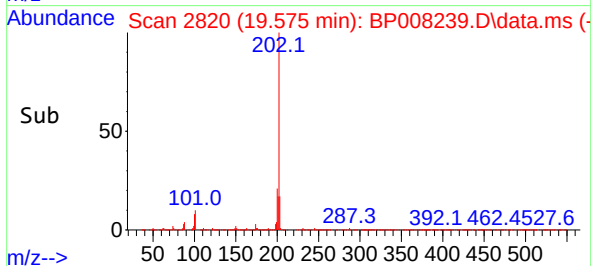
Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-SDL



Tgt Ion:202 Resp: 550934
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 19.0 14.2 21.2

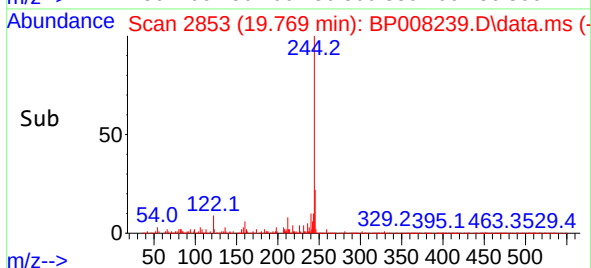
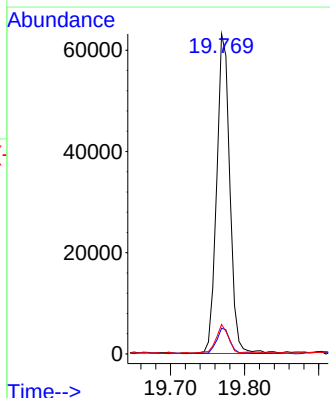
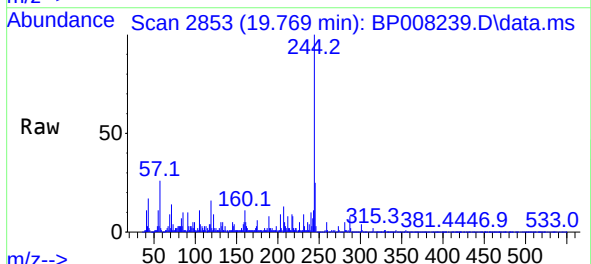
Manual Integrations
APPROVED

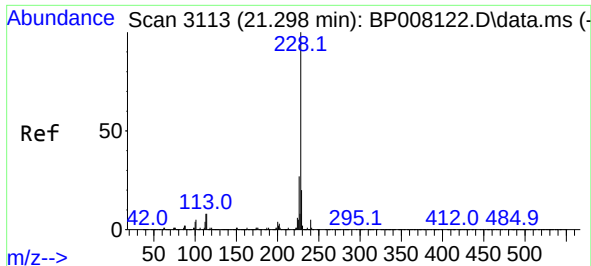
Reviewed By :Jagrut Upadhyay 12/07/2021
Supervised By :mohammad ahmed 12/07/2021



#79
Terphenyl-d14
Concen: 3.438 ng
RT: 19.769 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Tgt Ion:244 Resp: 77969
Ion Ratio Lower Upper
244 100
212 8.1 6.0 9.0
122 9.3 6.6 9.8





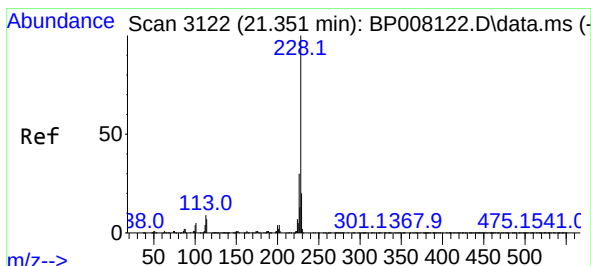
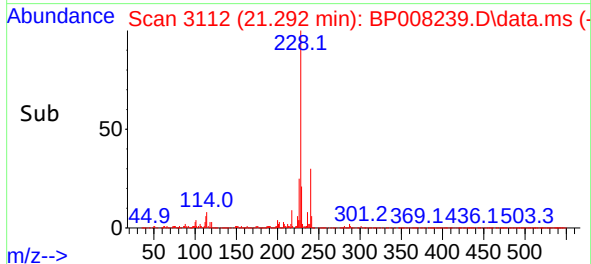
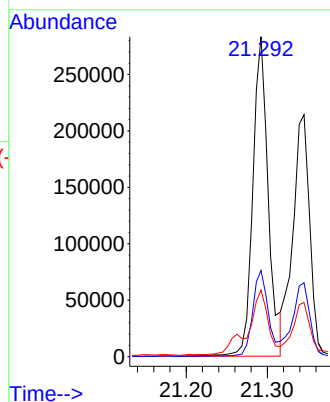
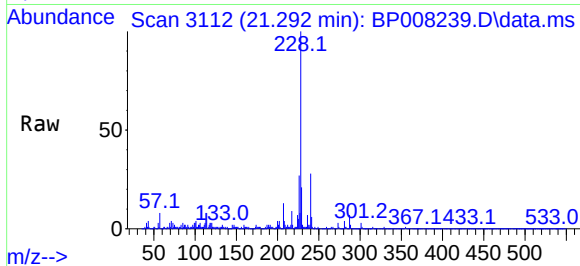
#81
Benzo(a)anthracene
Concen: 11.900 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-SDL

Tgt Ion:228 Resp: 37382
Ion Ratio Lower Upper
228 100
226 27.0 21.9 32.9
229 20.8 15.9 23.9

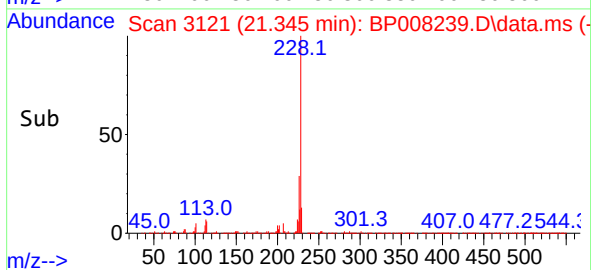
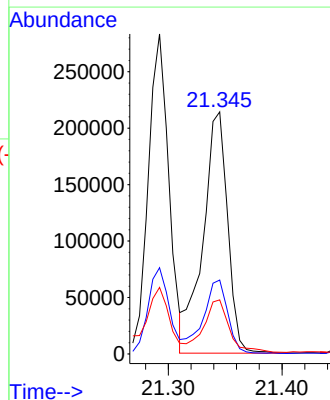
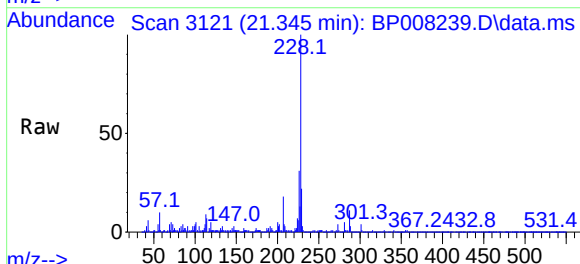
Manual Integrations
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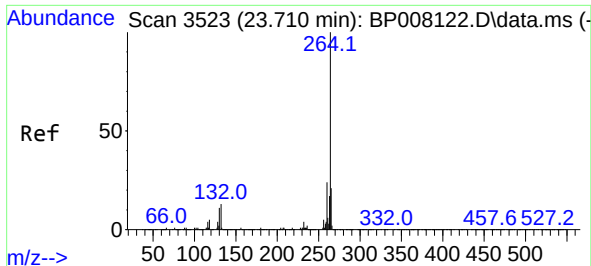
Reviewed By :Jagrut Upadhyay 12/07/2021
Supervised By :mohammad ahmed 12/07/2021



#83
Chrysene
Concen: 10.805 ng m
RT: 21.345 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

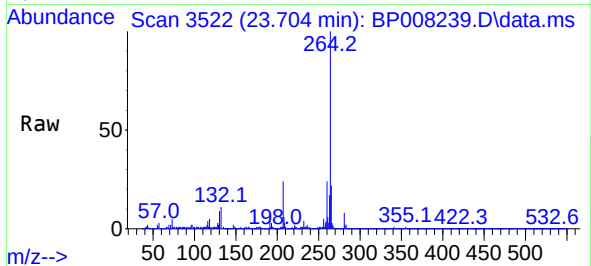
Tgt Ion:228 Resp: 322965
Ion Ratio Lower Upper
228 100
226 30.6 24.0 36.0
229 22.3 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.704 min Scan# 3523
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

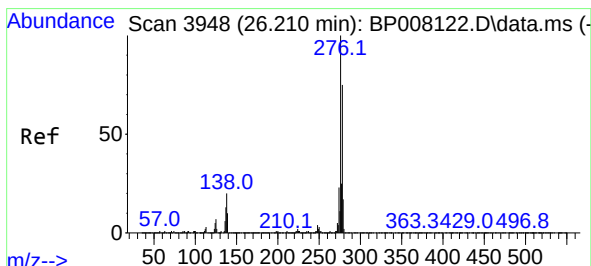
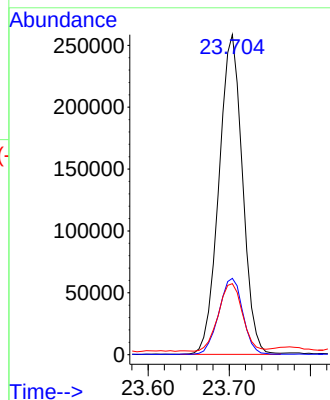
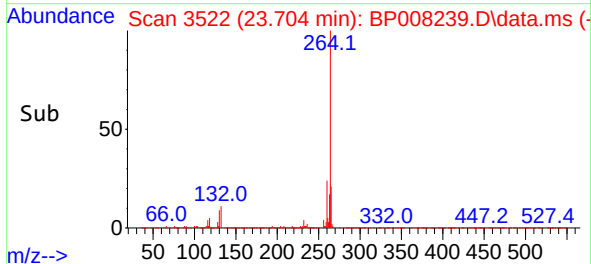
Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-SDL



Tgt Ion:264 Resp: 521159
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.2
265 22.2 17.6 26.4

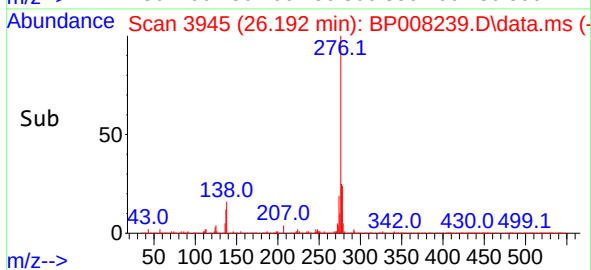
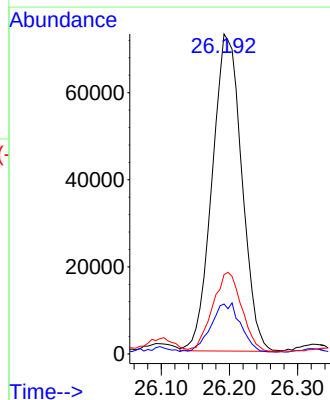
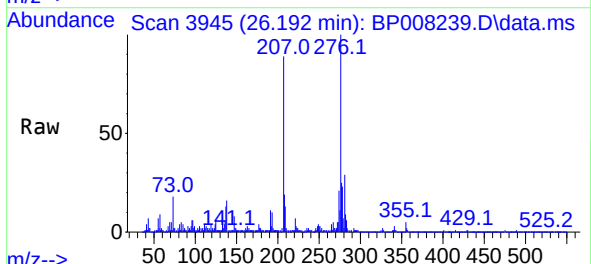
Manual Integrations
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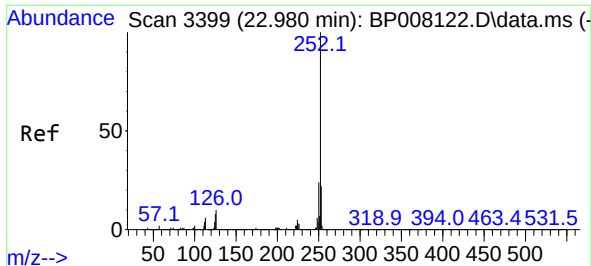
Reviewed By :Jagrut Upadhyay 12/07/2021
Supervised By :mohammad ahmed 12/07/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.816 ng
RT: 26.192 min Scan# 3945
Delta R.T. -0.035 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

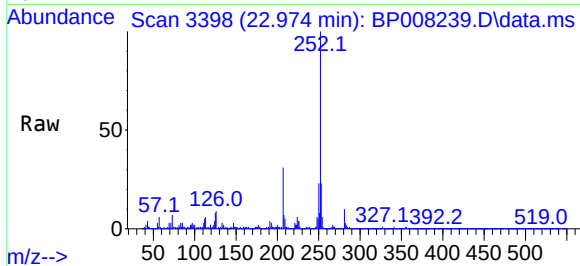
Tgt Ion:276 Resp: 220528
Ion Ratio Lower Upper
276 100
138 15.3 16.6 25.0#
277 24.9 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 14.048 ng
RT: 22.974 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

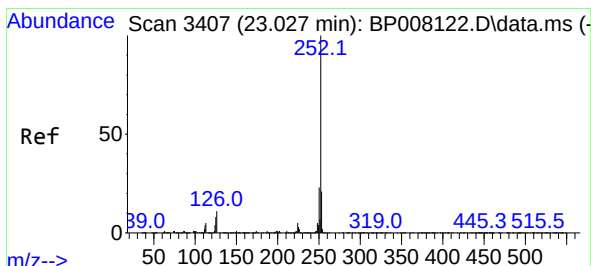
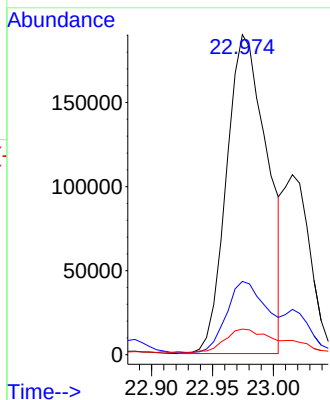
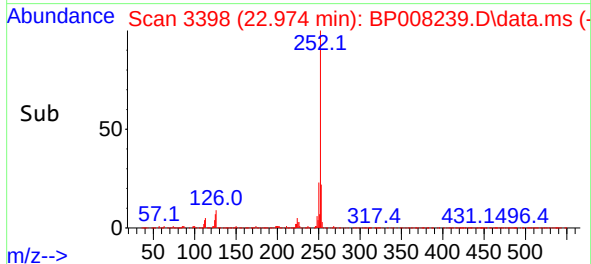
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:252 Resp: 441340
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 8.0 6.2 9.4

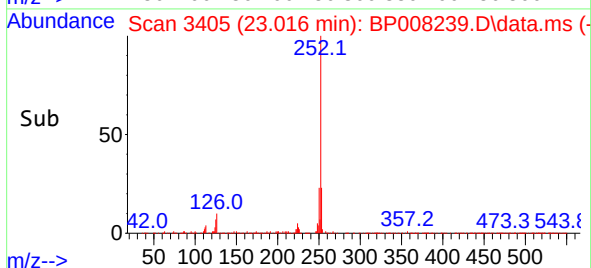
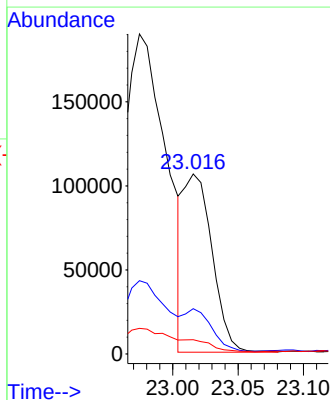
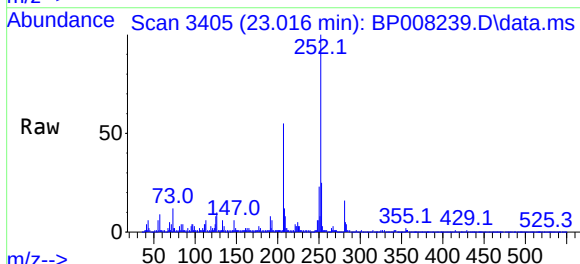
Manual Integrations
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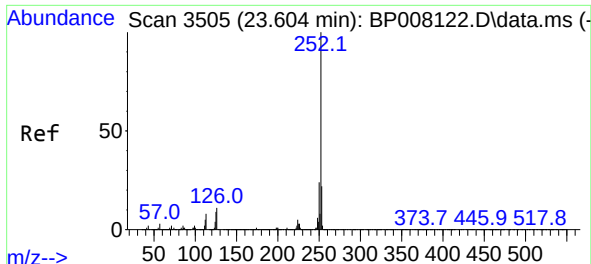
Reviewed By :Jagrut Upadhyay 12/07/2021
Supervised By :mohammad ahmed 12/07/2021



#89
Benzo(k)fluoranthene
Concen: 5.223 ng m
RT: 23.016 min Scan# 3405
Delta R.T. -0.018 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Tgt Ion:252 Resp: 160653
Ion Ratio Lower Upper
252 100
253 25.1 17.3 25.9
125 7.9 6.5 9.7





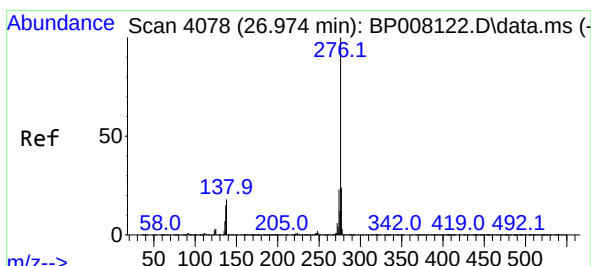
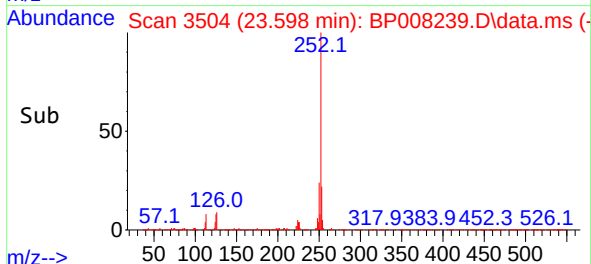
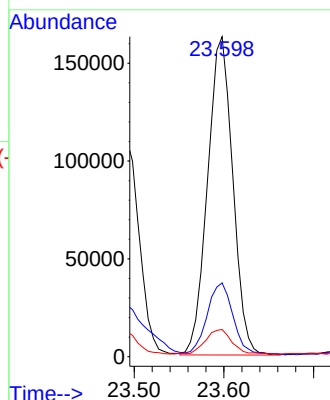
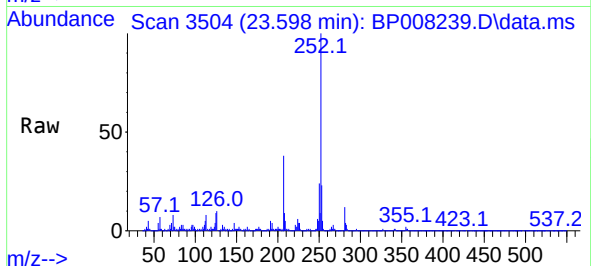
#90
Benzo(a)pyrene
Concen: 11.843 ng
RT: 23.598 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Instrument :
BNA_P
ClientSampleId :
FDR-20211202-WC-SDL

Tgt Ion:252 Resp: 31801
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 8.5 7.4 11.0

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/07/2021
Supervised By :mohammad ahmed 12/07/2021



#92
Benzo(g,h,i)perylene
Concen: 6.551 ng
RT: 26.962 min Scan# 4076
Delta R.T. -0.035 min
Lab File: BP008239.D
Acq: 06 Dec 2021 21:00

Tgt Ion:276 Resp: 208104
Ion Ratio Lower Upper
276 100
277 23.2 20.0 30.0
138 16.5 14.1 21.1

