

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
 Data File : BM042468.D
 Acq On : 27 Oct 2023 00:42
 Operator : MA/JU
 Sample : 04805-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DUP-02

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023

Quant Time: Oct 27 01:13:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	211450	20.000	ng	0.00
21) Naphthalene-d8	10.810	136	837873	20.000	ng	-0.01
39) Acenaphthene-d10	14.633	164	488086	20.000	ng	-0.01
64) Phenanthrene-d10	17.386	188	932526	20.000	ng	-0.01
76) Chrysene-d12	21.562	240	621741	20.000	ng	-0.02
86) Perylene-d12	24.027	264	657640	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	875939	58.547	ng	0.00
7) Phenol-d6	7.145	99	1164198	58.065	ng	0.00
23) Nitrobenzene-d5	9.186	82	737225	38.908	ng	-0.01
42) 2,4,6-Tribromophenol	16.127	330	360849	71.428	ng	-0.01
45) 2-Fluorobiphenyl	13.257	172	1456245	40.177	ng	-0.01
79) Terphenyl-d14	19.998	244	1638696	46.743	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.863	128	125730	2.921	ng	99
38) 1-Methylnaphthalene	12.686	142	104261	3.842	ng	100
49) Acenaphthylene	14.363	152	306219	6.677	ng	98
52) Acenaphthene	14.698	154	58860	2.123	ng	99
55) Dibenzofuran	15.033	168	92494	2.109	ng	98
58) Fluorene	15.680	166	104306	3.014	ng	99
71) Phenanthrene	17.427	178	1217329	23.996	ng	99
72) Anthracene	17.521	178	500227	9.956	ng	99
75) Fluoranthene	19.439	202	1541621	27.593	ng	98
78) Pyrene	19.803	202	1699215	39.110	ng	100
81) Benzo(a)anthracene	21.550	228	749428	17.980	ng	95
83) Chrysene	21.603	228	676887m	16.909	ng	
87) Indeno(1,2,3-cd)pyrene	26.597	276	316450	6.584	ng	# 92
88) Benzo(b)fluoranthene	23.268	252	655409m	16.557	ng	
89) Benzo(k)fluoranthene	23.309	252	251334m	6.115	ng	
90) Benzo(a)pyrene	23.915	252	602522	15.814	ng	98
91) Dibenzo(a,h)anthracene	26.615	278	92374	2.312	ng	# 88
92) Benzo(g,h,i)perylene	27.409	276	315075	8.119	ng	92

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

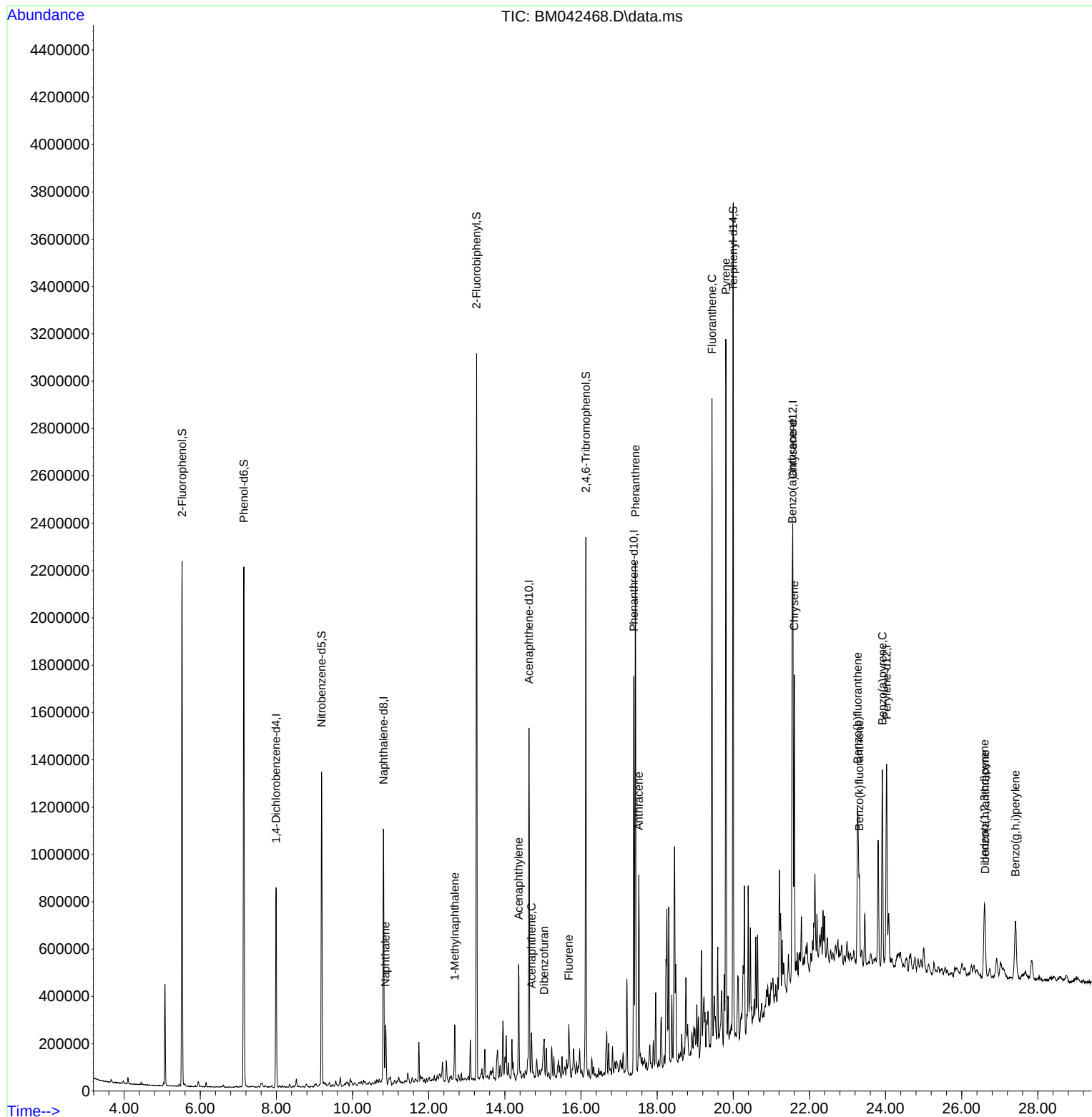
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
Data File : BM042468.D
Acq On : 27 Oct 2023 00:42
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ALS Vial : 17 Sample Multiplier: 1

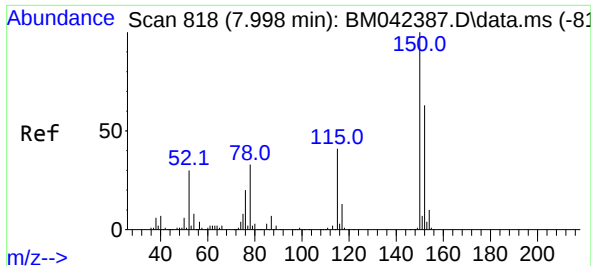
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Quant Time: Oct 27 01:13:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
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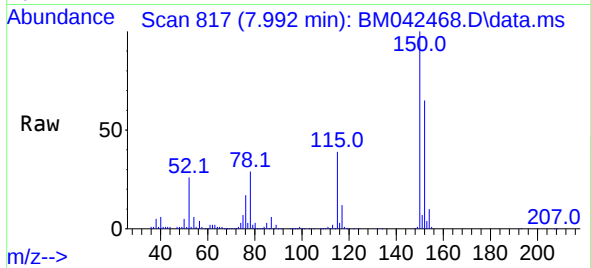
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

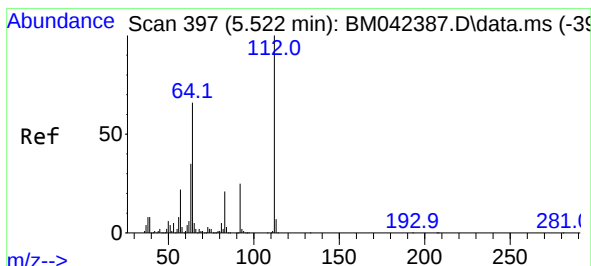
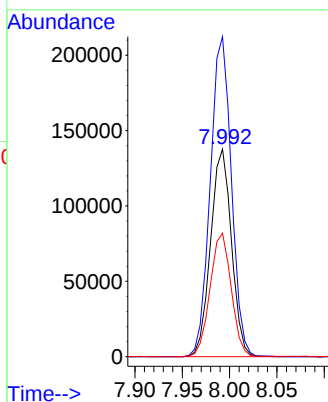
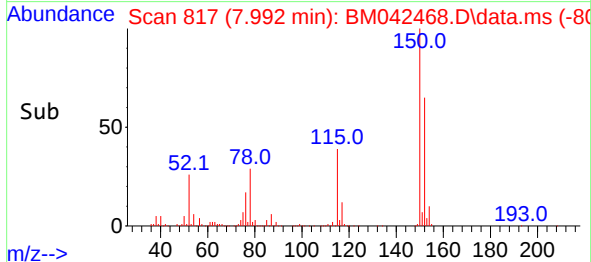
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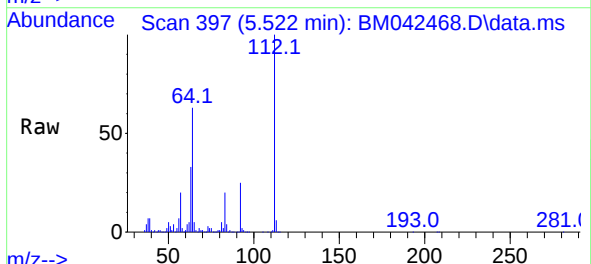
Tgt Ion:152 Resp: 211450
Ion Ratio Lower Upper
152 100
150 154.1 126.2 189.4
115 59.5 51.9 77.9

Manual Integrations
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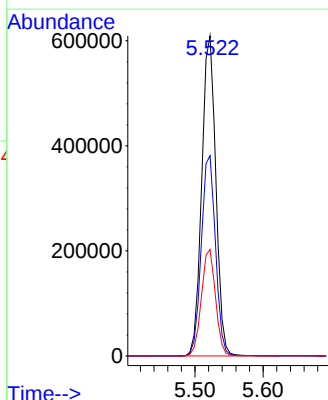
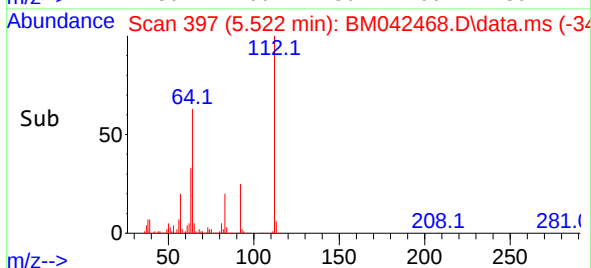
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

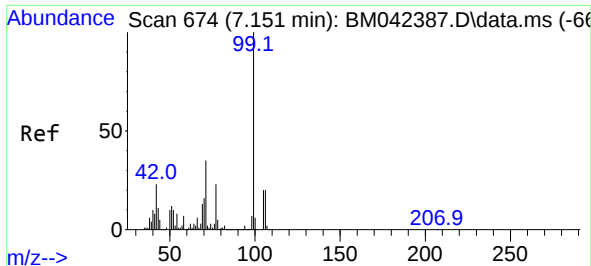


#5
2-Fluorophenol
Concen: 58.547 ng
RT: 5.522 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42



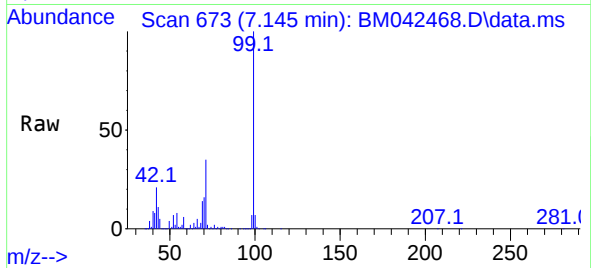
Tgt Ion:112 Resp: 875939
Ion Ratio Lower Upper
112 100
64 62.6 52.7 79.1
63 33.3 28.3 42.5





#7
Phenol-d6
Concen: 58.065 ng
RT: 7.145 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

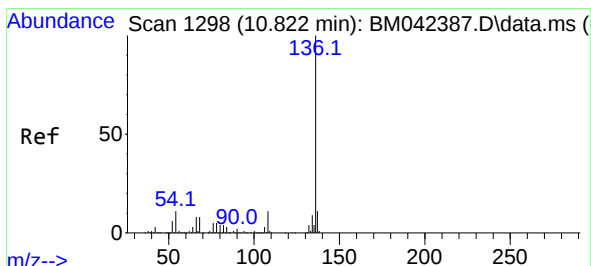
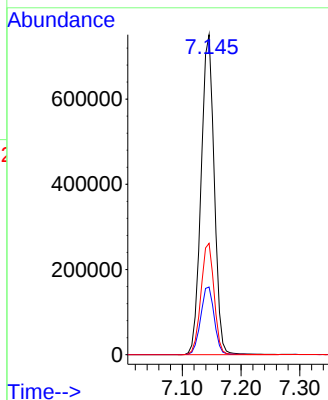
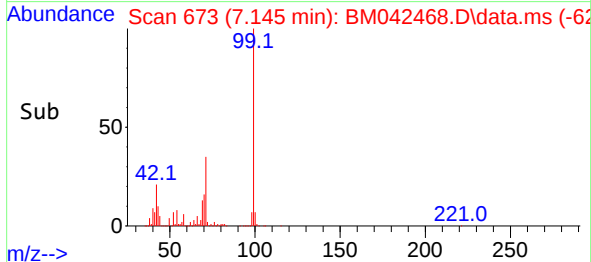
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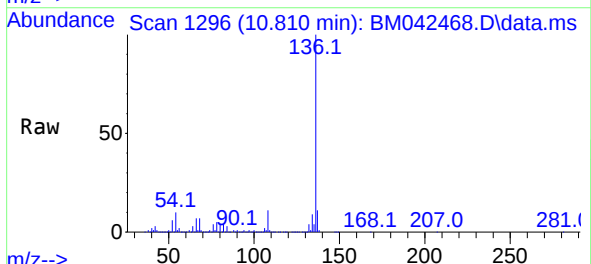
Tgt Ion: 99 Resp: 1164198
Ion Ratio Lower Upper
99 100
42 21.2 18.5 27.7
71 34.8 27.7 41.5

Manual Integrations
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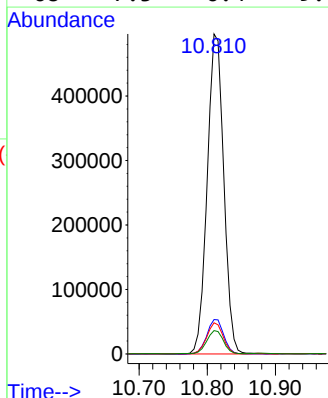
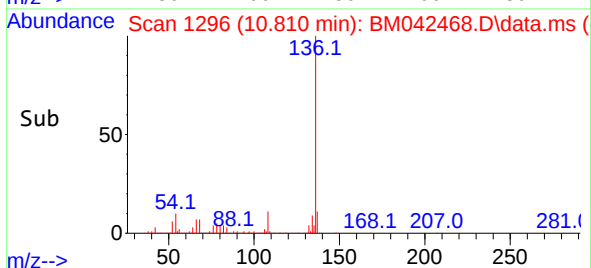
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

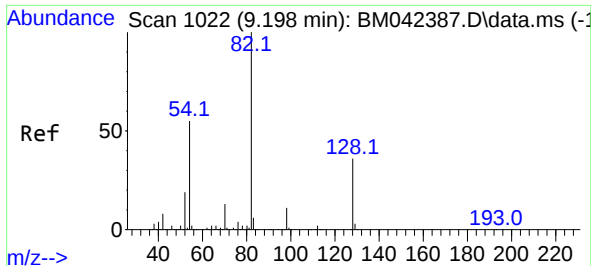


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 1296
Delta R.T. -0.012 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42



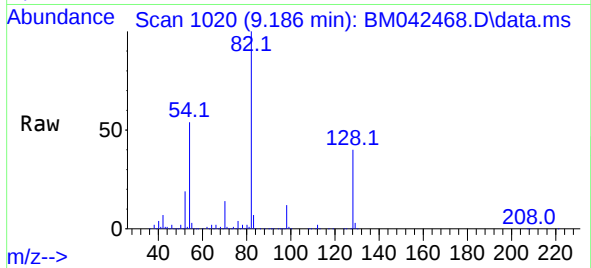
Tgt Ion:136 Resp: 837873
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 9.7 8.6 12.8
68 7.3 6.4 9.6





#23
Nitrobenzene-d5
Concen: 38.908 ng
RT: 9.186 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

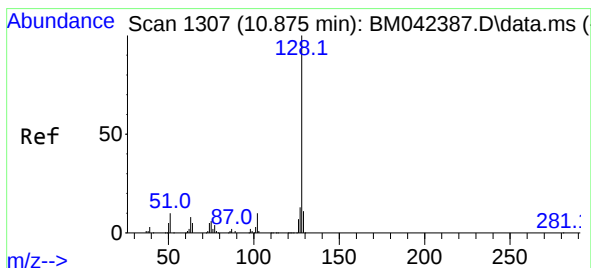
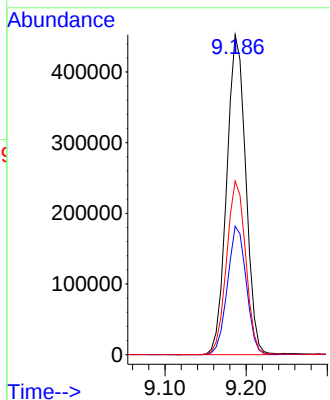
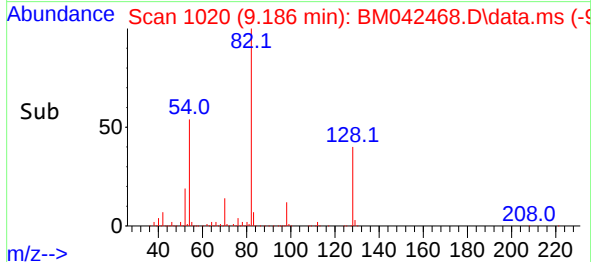
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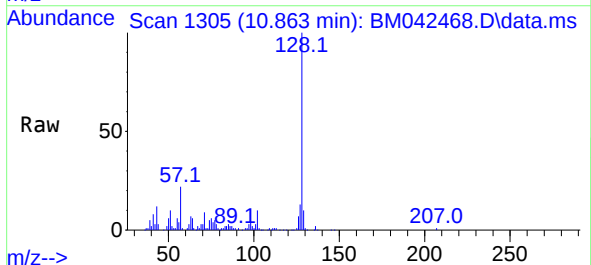
Tgt Ion: 82 Resp: 737225
Ion Ratio Lower Upper
82 100
128 40.1 29.0 43.6
54 54.3 43.7 65.5

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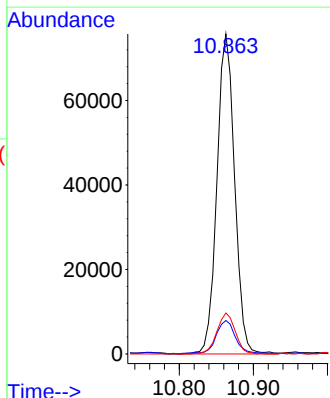
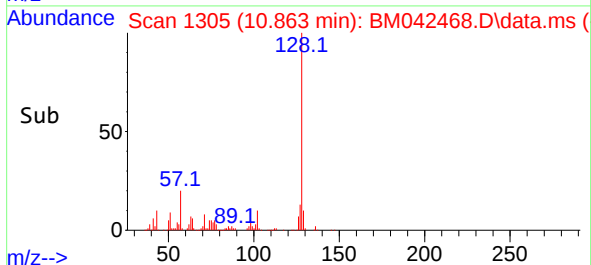
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

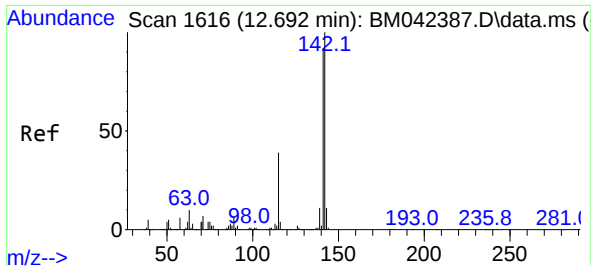


#31
Naphthalene
Concen: 2.921 ng
RT: 10.863 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42



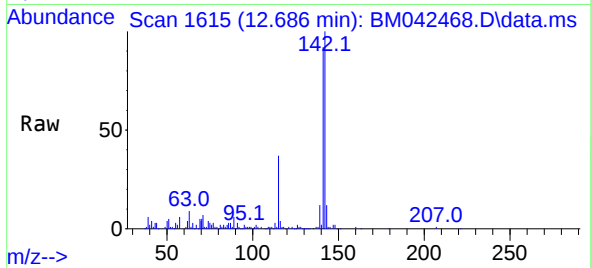
Tgt Ion:128 Resp: 125730
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 12.8 10.4 15.6





#38
1-Methylnaphthalene
Concen: 3.842 ng
RT: 12.686 min Scan# 1616
Delta R.T. -0.006 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

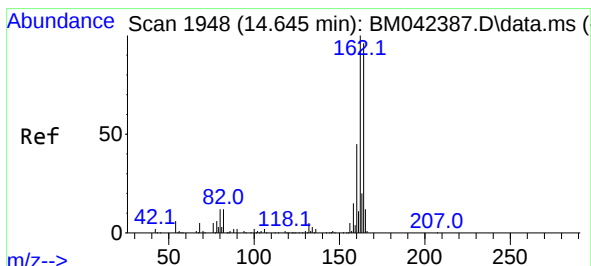
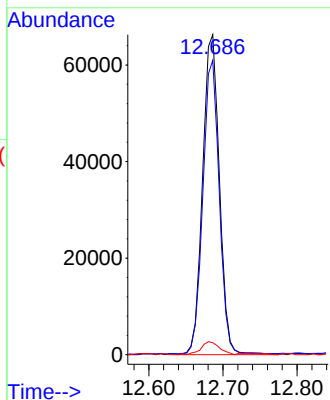
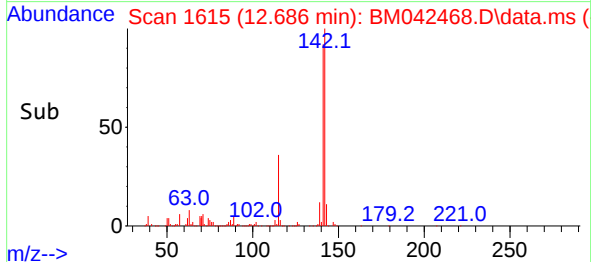
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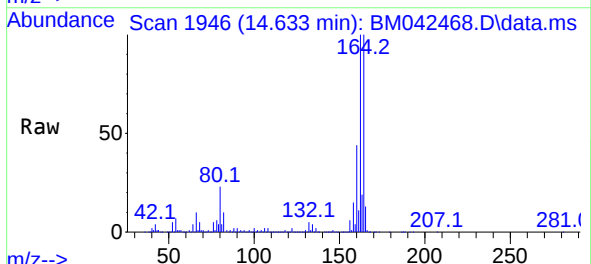
Tgt Ion:142 Resp: 10426
Ion Ratio Lower Upper
142 100
141 92.0 73.8 110.6
116 3.8 3.3 4.9

Manual Integrations
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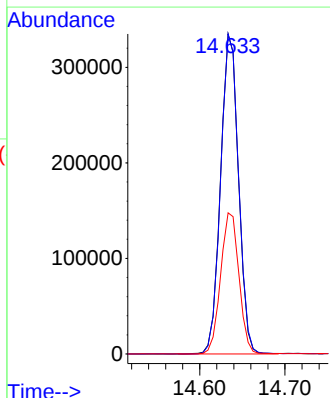
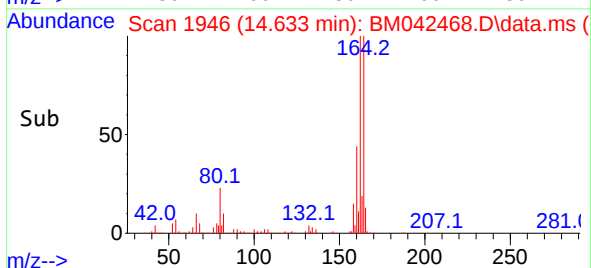
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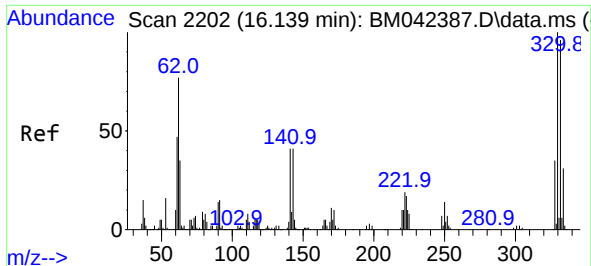


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.633 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42



Tgt Ion:164 Resp: 488086
Ion Ratio Lower Upper
164 100
162 99.9 83.0 124.4
160 44.1 37.0 55.4





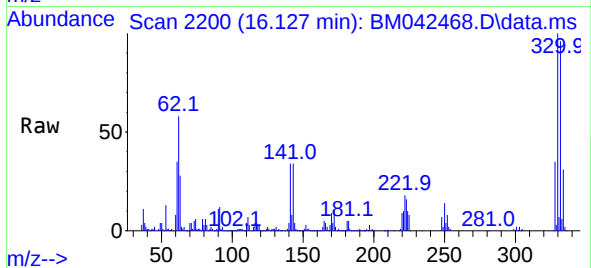
#42
2,4,6-Tribromophenol
Concen: 71.428 ng
RT: 16.127 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

Instrument :

BNA_M

ClientSampleId :

DUP-02

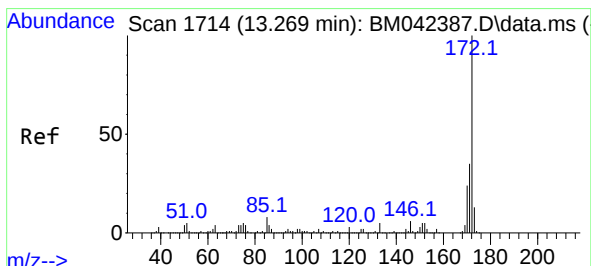
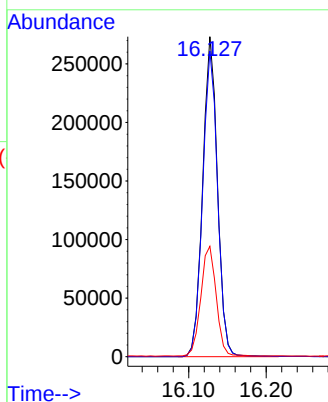
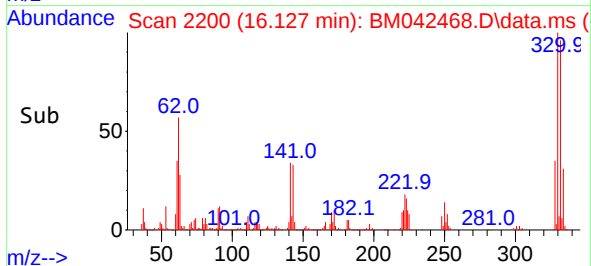


Tgt Ion:330 Resp: 360849
Ion Ratio Lower Upper
330 100
332 96.7 77.6 116.4
141 35.8 38.0 57.0

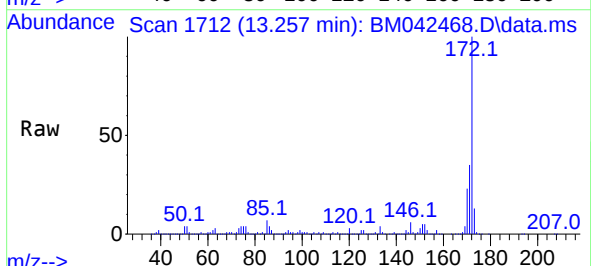
Manual Integrations

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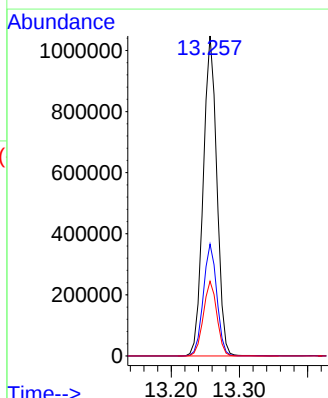
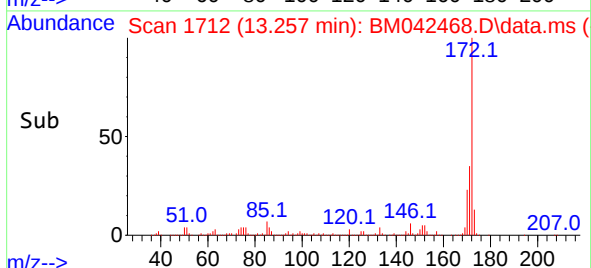
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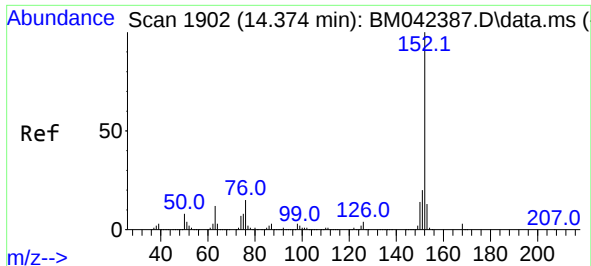


#45
2-Fluorobiphenyl
Concen: 40.177 ng
RT: 13.257 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42



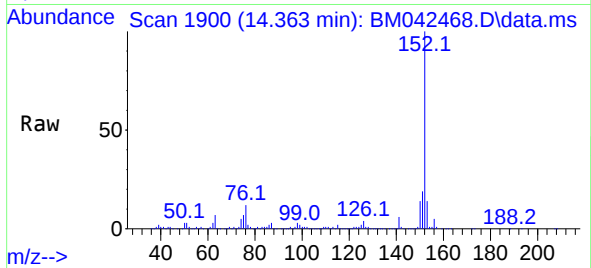
Tgt Ion:172 Resp: 1456245
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.4 18.9 28.3





#49
Acenaphthylene
Concen: 6.677 ng
RT: 14.363 min Scan# 1900
Delta R.T. -0.012 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

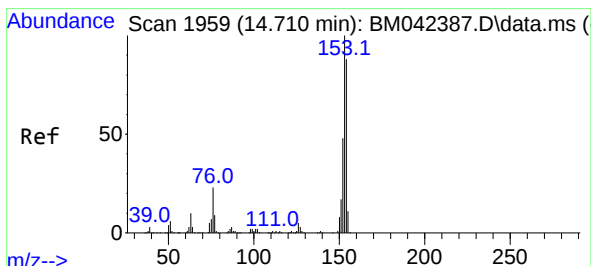
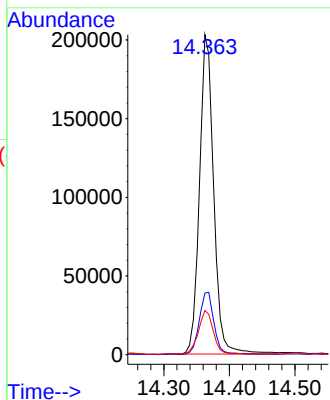
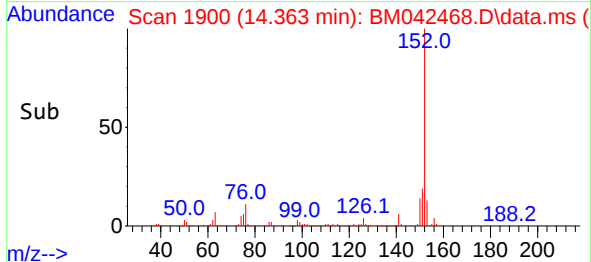
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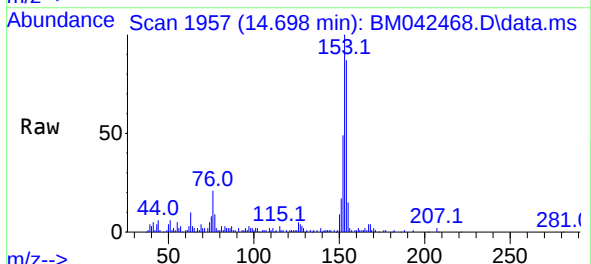
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Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 13.8 10.5 15.7

Manual Integrations
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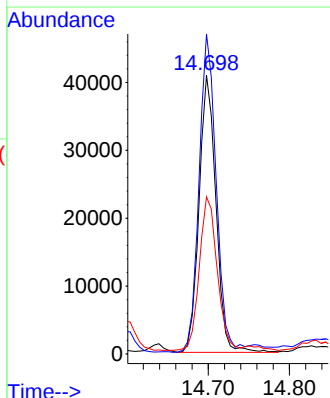
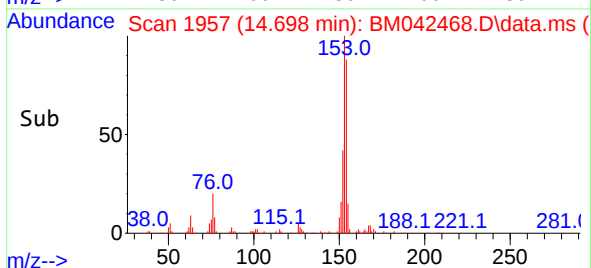
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

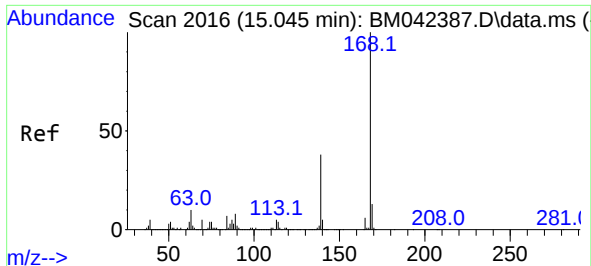


#52
Acenaphthene
Concen: 2.123 ng
RT: 14.698 min Scan# 1957
Delta R.T. -0.012 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42



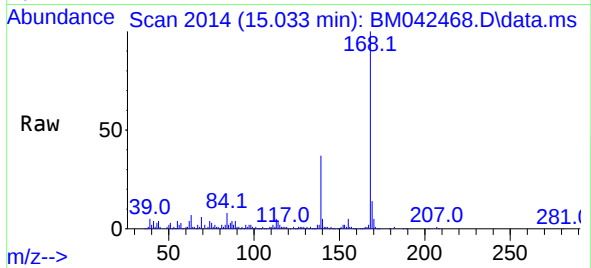
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Ion Ratio Lower Upper
154 100
153 114.8 91.1 136.7
152 56.4 44.0 66.0





#55
Dibenzenofuran
Concen: 2.109 ng
RT: 15.033 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

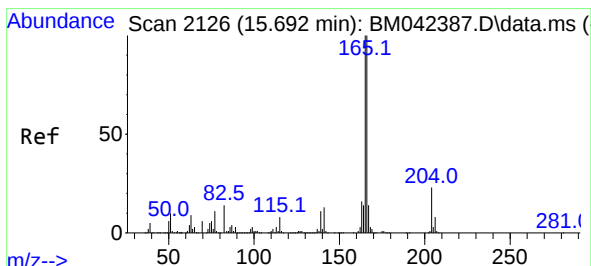
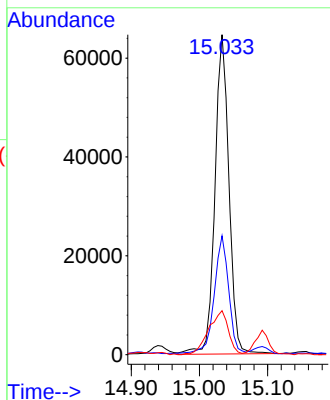
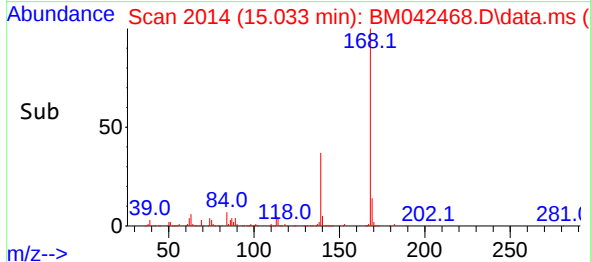
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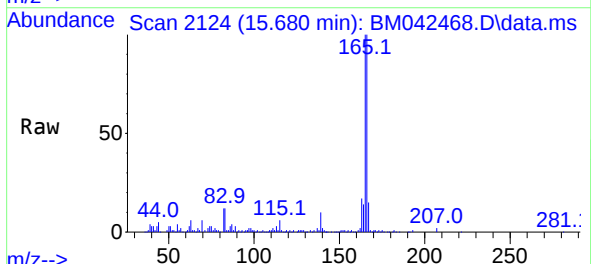
Tgt Ion:168 Resp: 92494
Ion Ratio Lower Upper
168 100
139 37.1 30.6 46.0
169 13.8 10.4 15.6

Manual Integrations
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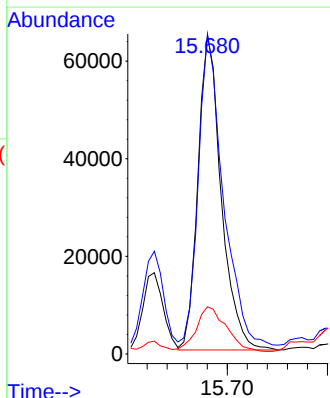
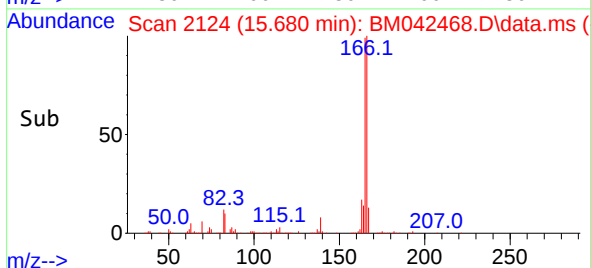
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

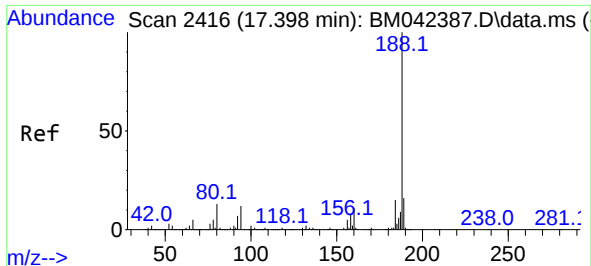


#58
Fluorene
Concen: 3.014 ng
RT: 15.680 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42



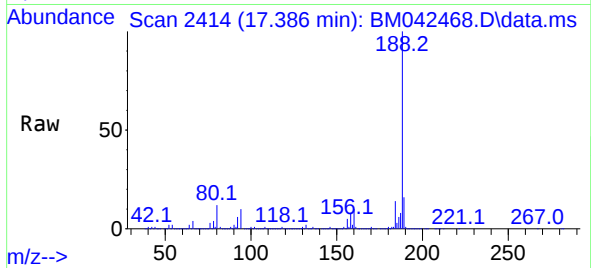
Tgt Ion:166 Resp: 104306
Ion Ratio Lower Upper
166 100
165 100.4 79.6 119.4
167 14.8 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.386 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

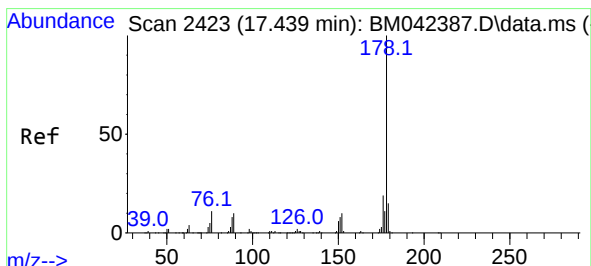
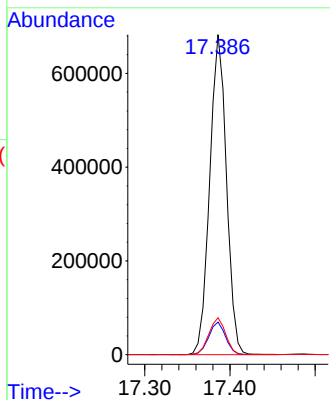
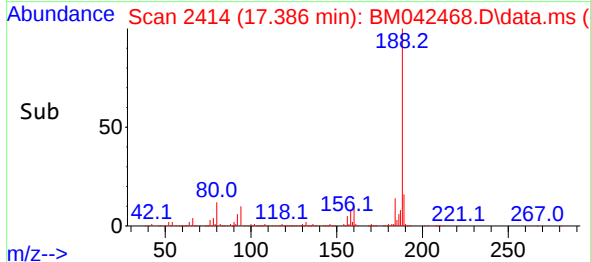
Instrument :
BNA_M
ClientSampleId :
DUP-02



Tgt Ion:188 Resp: 932520
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.0
80 11.5 10.7 16.1

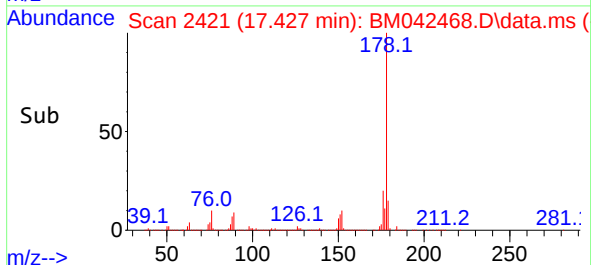
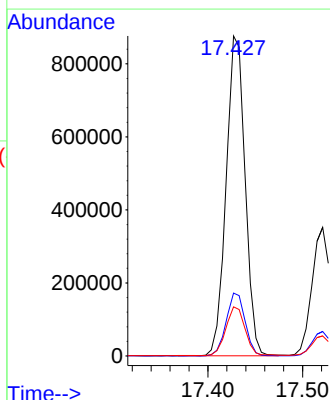
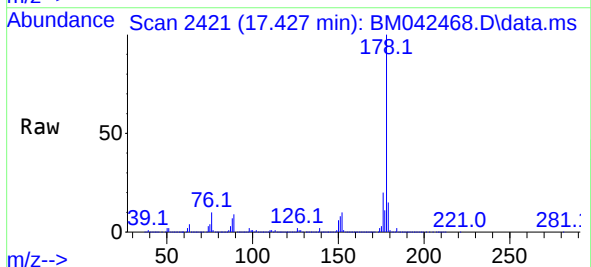
Manual Integrations
APPROVED

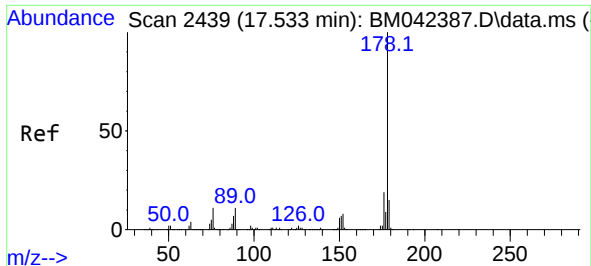
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#71
Phenanthrene
Concen: 23.996 ng
RT: 17.427 min Scan# 2421
Delta R.T. -0.012 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

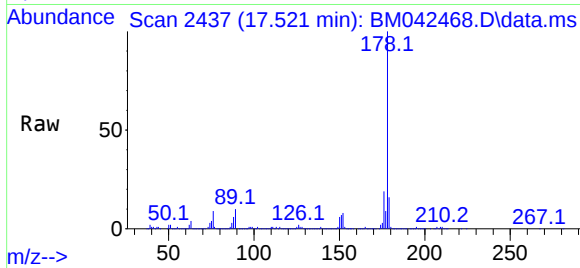
Tgt Ion:178 Resp: 1217329
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 15.3 12.3 18.5





#72
 Anthracene
 Concen: 9.956 ng
 RT: 17.521 min Scan# 2439
 Delta R.T. -0.012 min
 Lab File: BM042468.D
 Acq: 27 Oct 2023 00:42

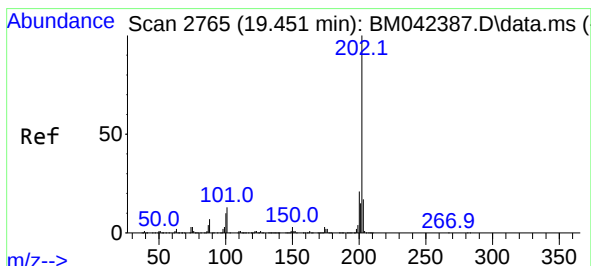
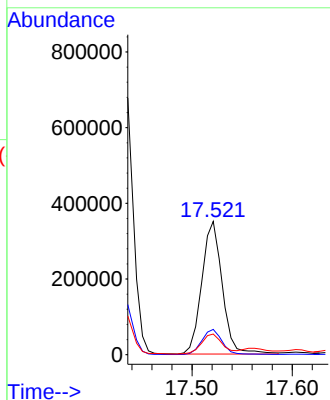
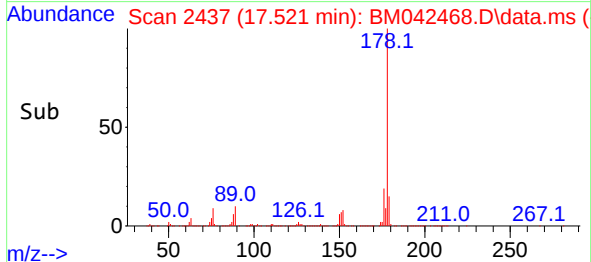
Instrument :
 BNA_M
 ClientSampleId :
 DUP-02



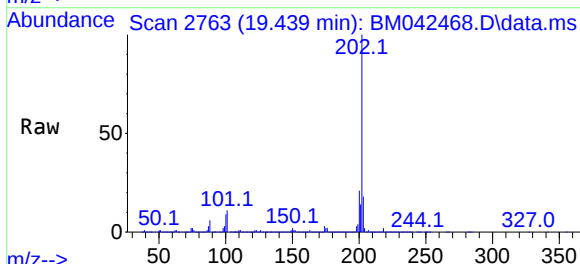
Tgt Ion:178 Resp: 500221
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.0
 179 15.5 12.1 18.1

Manual Integrations
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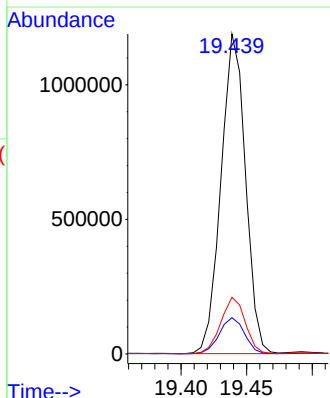
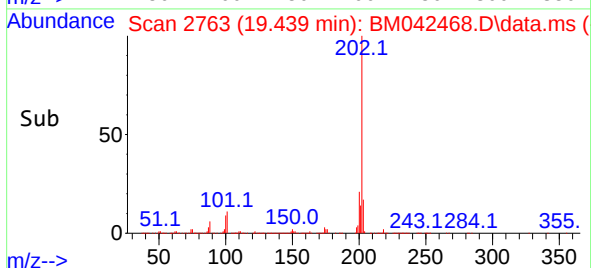
Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023

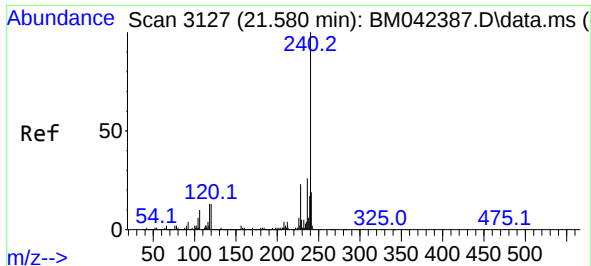


#75
 Fluoranthene
 Concen: 27.593 ng
 RT: 19.439 min Scan# 2763
 Delta R.T. -0.012 min
 Lab File: BM042468.D
 Acq: 27 Oct 2023 00:42



Tgt Ion:202 Resp: 1541621
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 33.3
 203 17.7 0.0 37.5





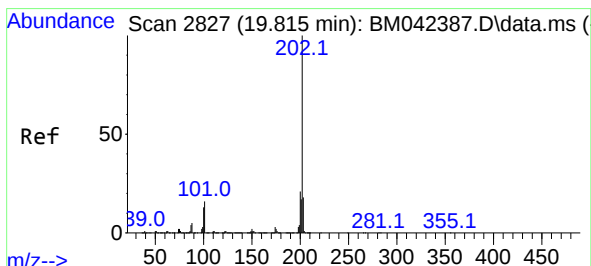
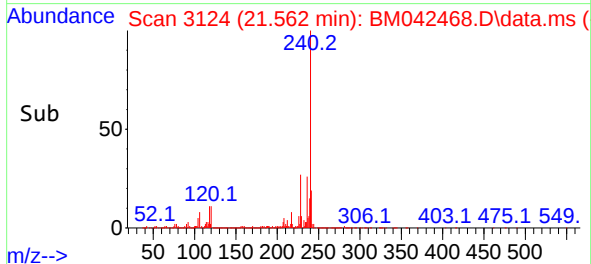
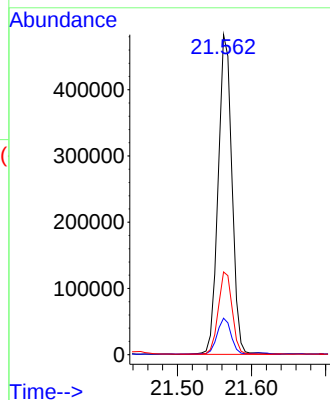
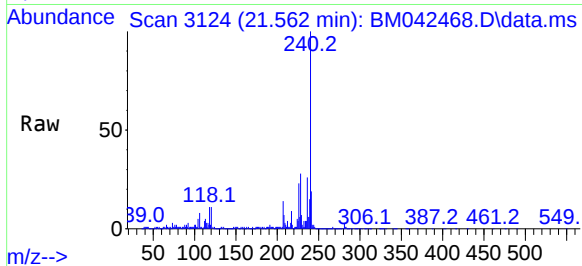
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.562 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

Instrument :
BNA_M
ClientSampleId :
DUP-02

Tgt Ion:240 Resp: 62174
Ion Ratio Lower Upper
240 100
120 11.4 10.7 16.1
236 25.9 20.7 31.1

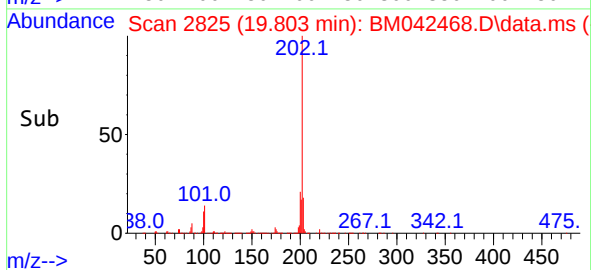
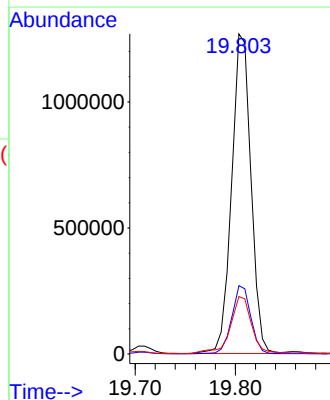
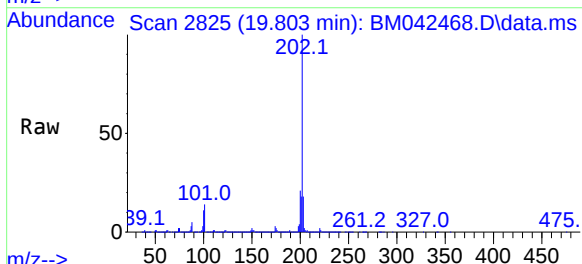
Manual Integrations
APPROVED

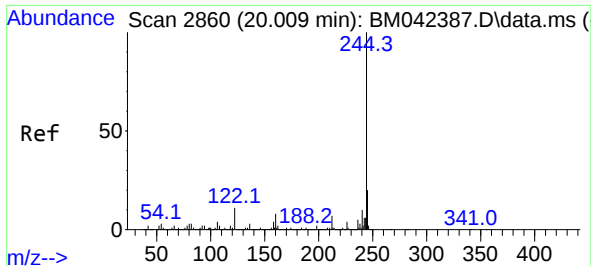
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#78
Pyrene
Concen: 39.110 ng
RT: 19.803 min Scan# 2825
Delta R.T. -0.012 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

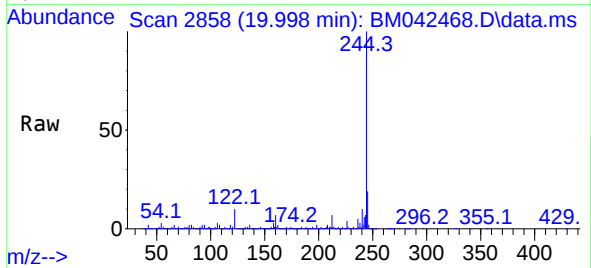
Tgt Ion:202 Resp: 1699215
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.9 14.1 21.1





#79
 Terphenyl-d14
 Concen: 46.743 ng
 RT: 19.998 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BM042468.D
 Acq: 27 Oct 2023 00:42

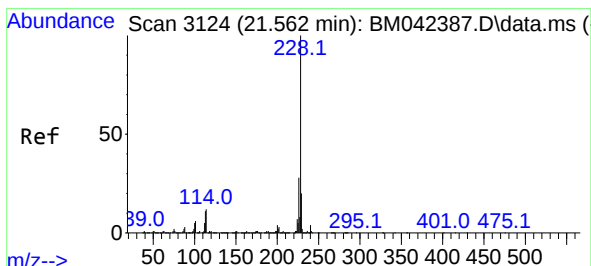
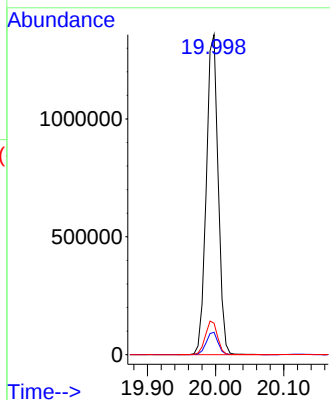
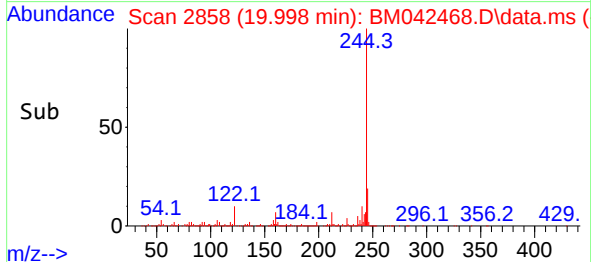
Instrument :
 BNA_M
 ClientSampleId :
 DUP-02



Tgt Ion:244 Resp: 1638690
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 9.9 8.8 13.2

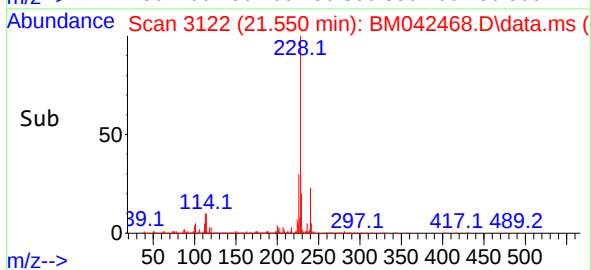
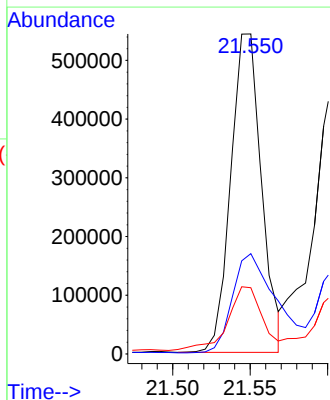
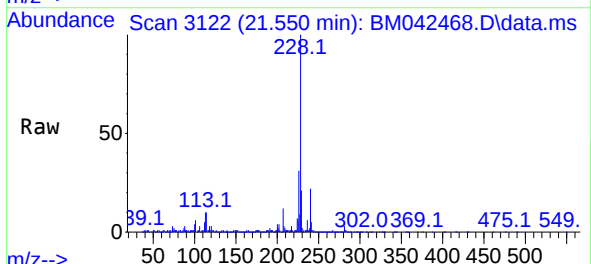
Manual Integrations
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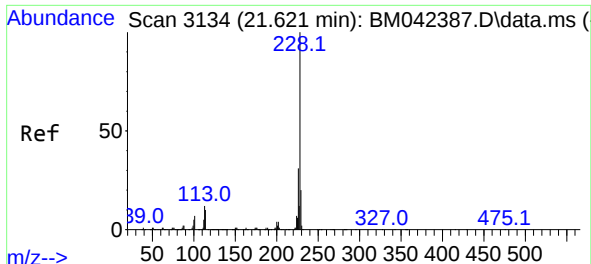
Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023



#81
 Benzo(a)anthracene
 Concen: 17.980 ng
 RT: 21.550 min Scan# 3122
 Delta R.T. -0.012 min
 Lab File: BM042468.D
 Acq: 27 Oct 2023 00:42

Tgt Ion:228 Resp: 749428
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.2 33.4
 229 20.7 15.7 23.5





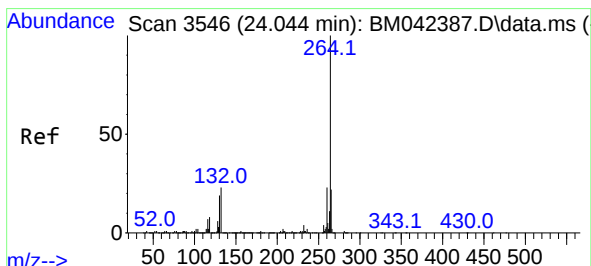
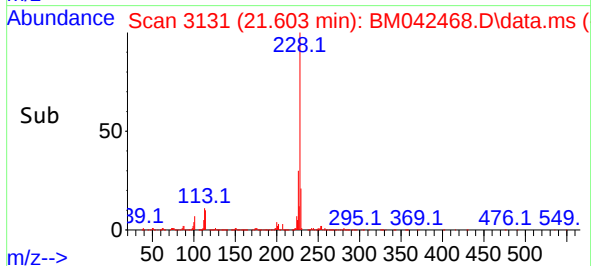
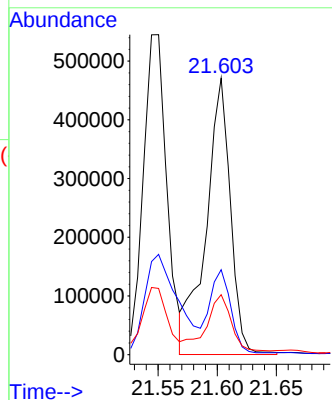
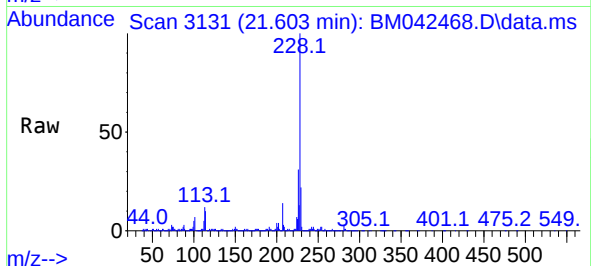
#83
Chrysene
Concen: 16.909 ng m
RT: 21.603 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

Instrument :
BNA_M
ClientSampleId :
DUP-02

Tgt Ion:228 Resp: 67688
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 21.7 15.7 23.5

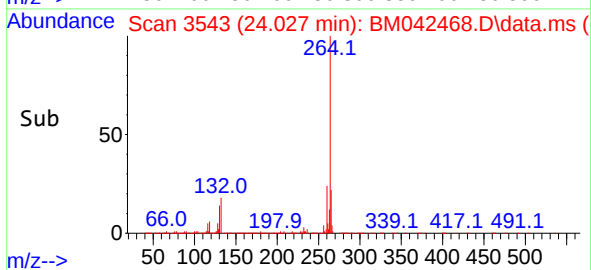
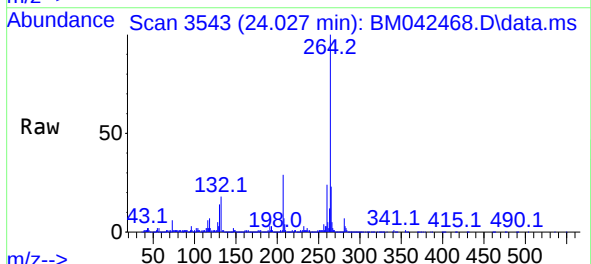
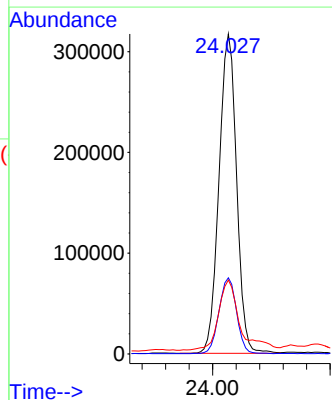
Manual Integrations
APPROVED

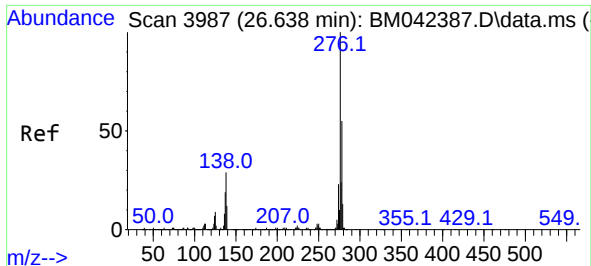
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.027 min Scan# 3543
Delta R.T. -0.018 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

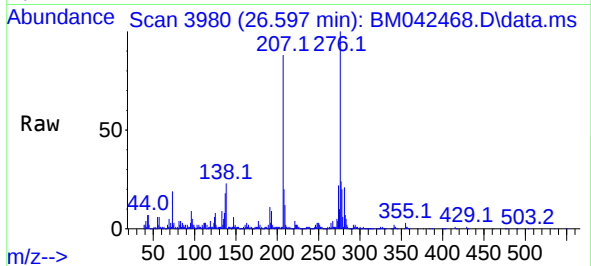
Tgt Ion:264 Resp: 657640
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 23.1 17.8 26.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.584 ng
RT: 26.597 min Scan# 316450
Delta R.T. -0.041 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

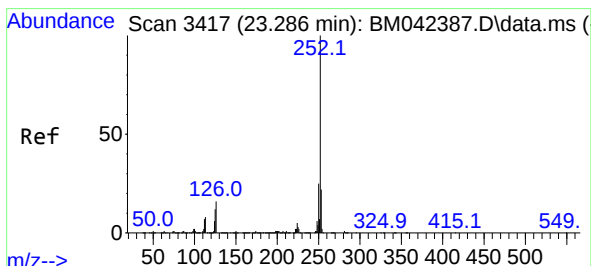
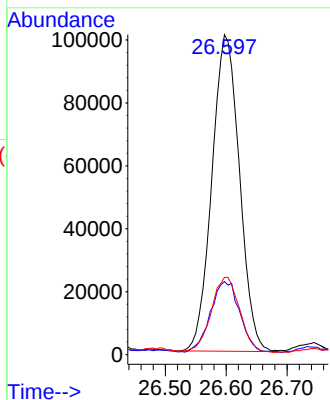
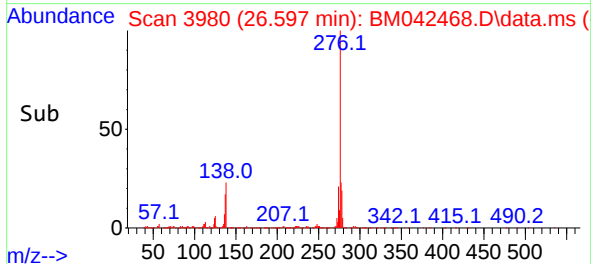
Instrument :
BNA_M
ClientSampleId :
DUP-02



Tgt Ion:276 Resp: 316450
Ion Ratio Lower Upper
276 100
138 23.9 25.6 38.4
277 24.6 20.0 30.0

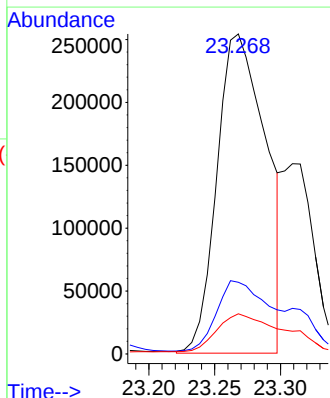
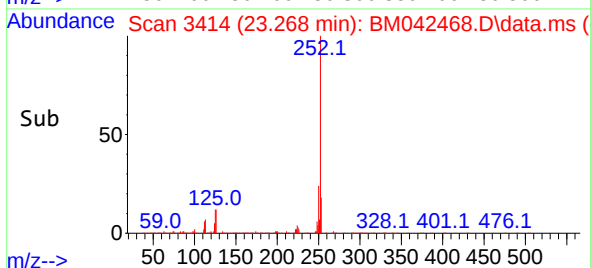
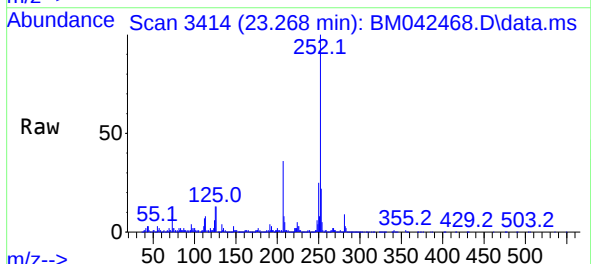
Manual Integrations
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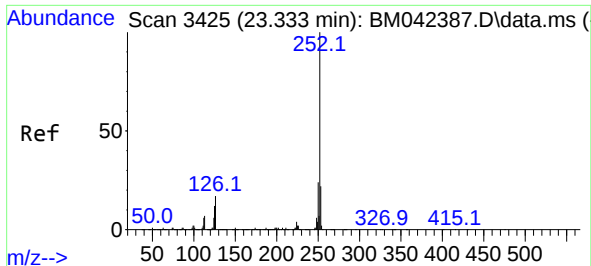
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#88
Benzo(b)fluoranthene
Concen: 16.557 ng m
RT: 23.268 min Scan# 3414
Delta R.T. -0.018 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

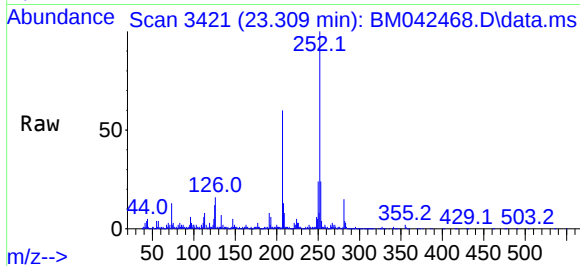
Tgt Ion:252 Resp: 655409
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 12.6 9.8 14.8





#89
Benzo(k)fluoranthene
Concen: 6.115 ng m
RT: 23.309 min Scan# 3425
Delta R.T. -0.024 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

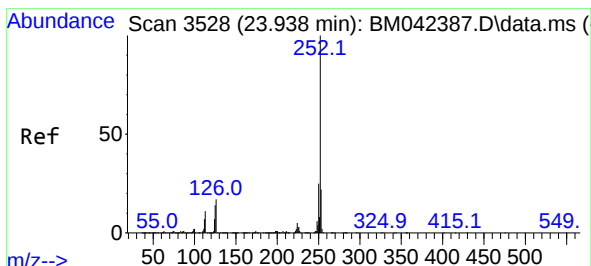
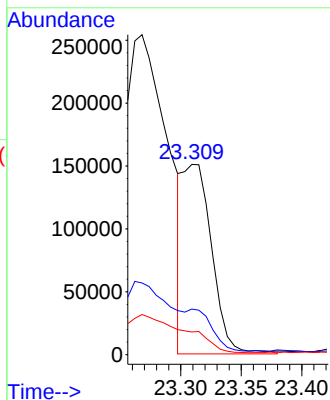
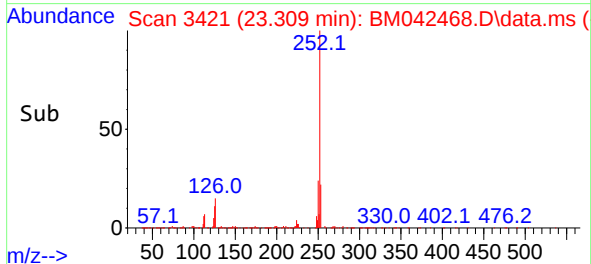
Instrument :
BNA_M
ClientSampleId :
DUP-02



Tgt Ion:252 Resp: 251334
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 12.0 10.2 15.2

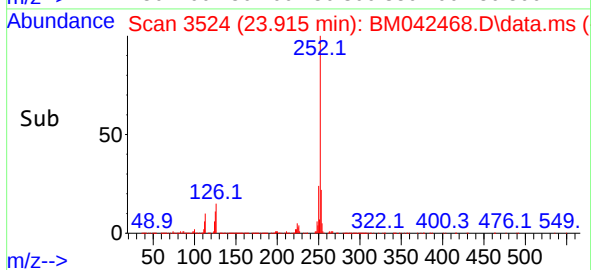
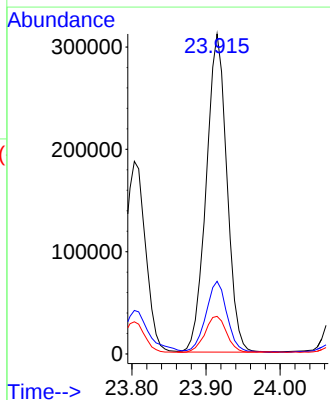
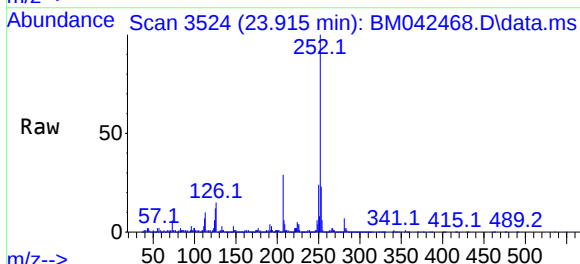
Manual Integrations
APPROVED

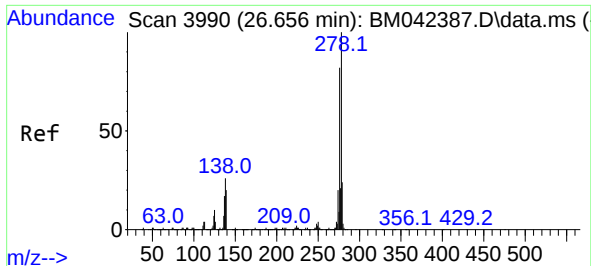
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#90
Benzo(a)pyrene
Concen: 15.814 ng
RT: 23.915 min Scan# 3524
Delta R.T. -0.024 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

Tgt Ion:252 Resp: 602522
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 11.8 10.9 16.3





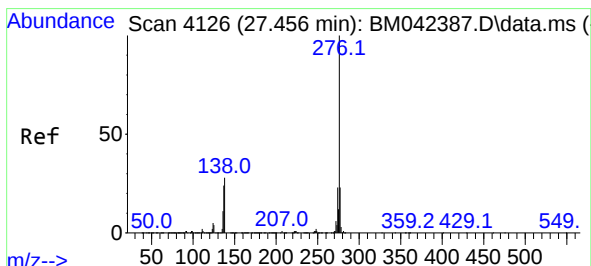
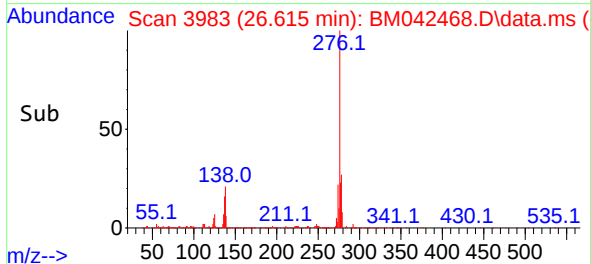
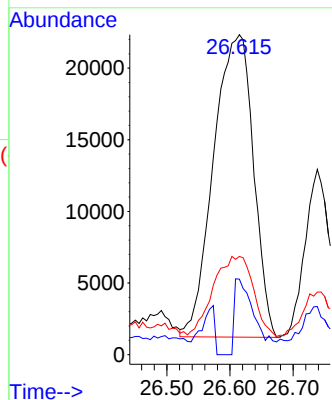
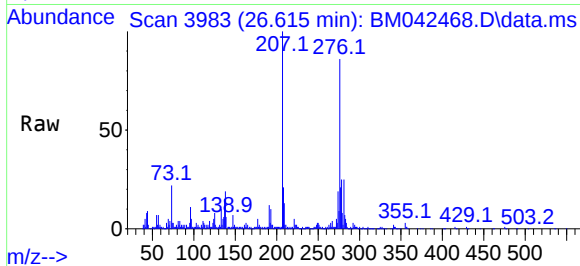
#91
Dibenzo(a,h)anthracene
Concen: 2.312 ng
RT: 26.615 min Scan# 3990
Delta R.T. -0.041 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

Instrument :
BNA_M
ClientSampleId :
DUP-02

Tgt Ion:278 Resp: 92374
Ion Ratio Lower Upper
278 100
139 23.6 15.6 23.4
279 30.7 19.0 28.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#92
Benzo(g,h,i)perylene
Concen: 8.119 ng
RT: 27.409 min Scan# 4118
Delta R.T. -0.047 min
Lab File: BM042468.D
Acq: 27 Oct 2023 00:42

Tgt Ion:276 Resp: 315075
Ion Ratio Lower Upper
276 100
277 25.4 18.3 27.5
138 23.2 22.6 34.0

