

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
 Data File : BM042459.D
 Acq On : 26 Oct 2023 19:09
 Operator : MA/JU
 Sample : 05010-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 343

Manual Integrations
 APPROVED

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

Quant Time: Oct 27 00:45:29 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	190580	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	755644	20.000	ng	0.00
39) Acenaphthene-d10	14.639	164	443443	20.000	ng	0.00
64) Phenanthrene-d10	17.392	188	888239	20.000	ng	# 0.00
76) Chrysene-d12	21.568	240	588626	20.000	ng	-0.01
86) Perylene-d12	24.033	264	593434	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1046382	77.598	ng	0.00
7) Phenol-d6	7.151	99	1388342	76.827	ng	0.00
23) Nitrobenzene-d5	9.192	82	904608	52.937	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	472185	98.806	ng	0.00
45) 2-Fluorobiphenyl	13.263	172	1694739	51.464	ng	0.00
79) Terphenyl-d14	19.998	244	2110244	63.580	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.433	178	436781	9.039	ng	99
72) Anthracene	17.521	178	138449	2.893	ng	99
74) Di-n-butylphthalate	18.327	149	9736	2.979	ng	# 95
75) Fluoranthene	19.445	202	1426346	26.802	ng	97
78) Pyrene	19.809	202	1199904	29.171	ng	100
81) Benzo(a)anthracene	21.550	228	508524	12.887	ng	99
83) Chrysene	21.609	228	444158	11.719	ng	98
84) Bis(2-ethylhexyl)phtha...	21.427	149	29765	4.413	ng	# 94
87) Indeno(1,2,3-cd)pyrene	26.609	276	332375	7.664	ng	# 91
88) Benzo(b)fluoranthene	23.274	252	604135	16.913	ng	99
89) Benzo(k)fluoranthene	23.315	252	214300m	5.779	ng	
90) Benzo(a)pyrene	23.921	252	442455	12.869	ng	98
91) Dibenzo(a,h)anthracene	26.627	278	75968	2.107	ng	92
92) Benzo(g,h,i)perylene	27.421	276	329915	9.422	ng	93

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

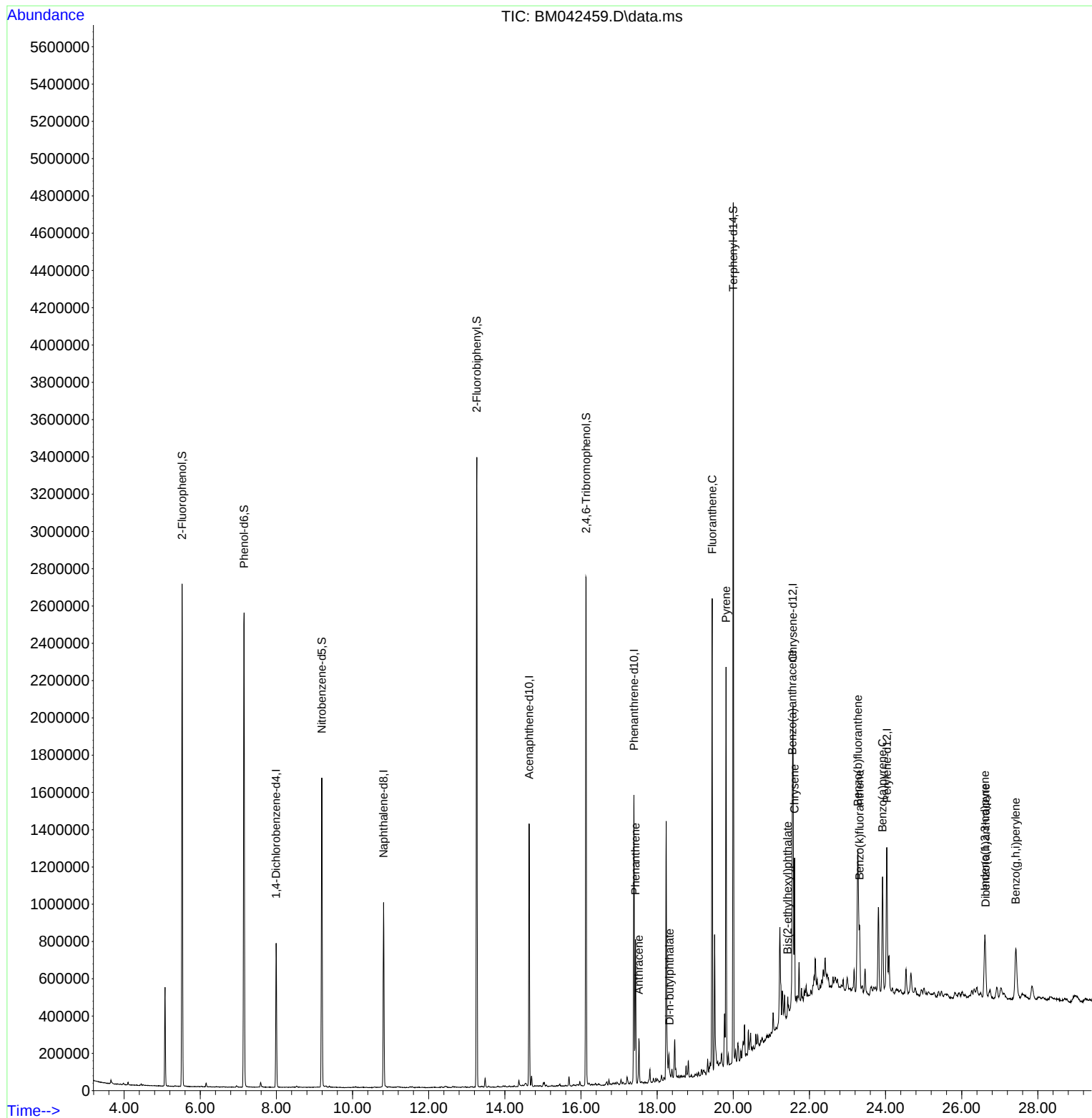
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
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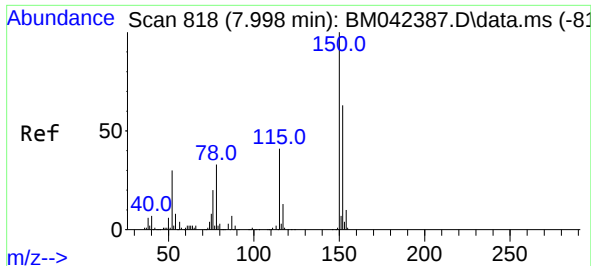
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Quant Time: Oct 27 00:45:29 2023
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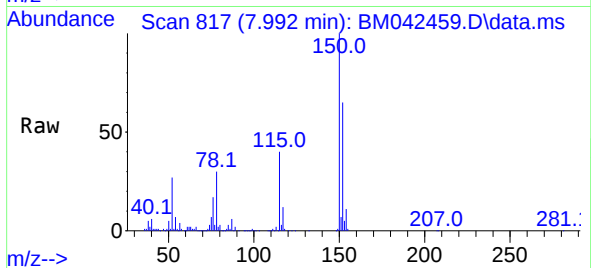
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 818
Delta R.T. -0.006 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

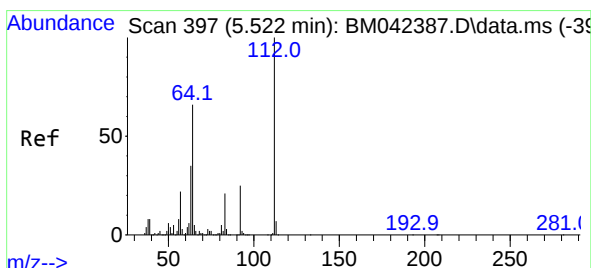
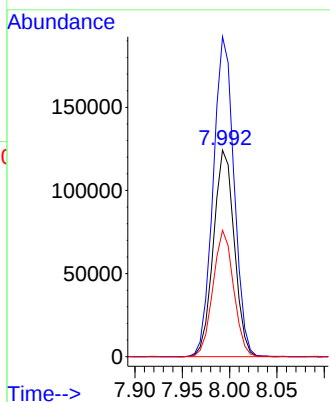
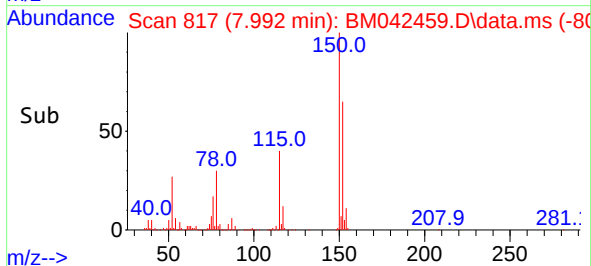
Instrument :
BNA_M
ClientSampleId :
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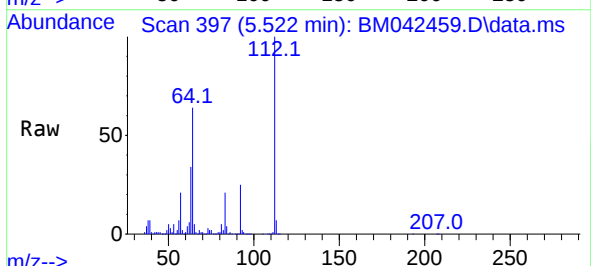
Tgt Ion:152 Resp: 190580
Ion Ratio Lower Upper
152 100
150 154.9 126.2 189.4
115 61.2 51.9 77.9

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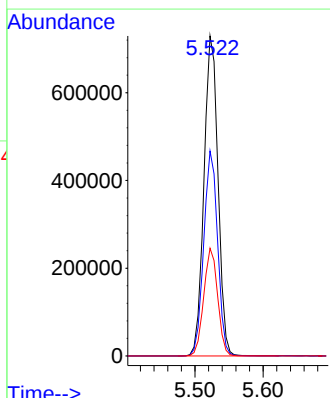
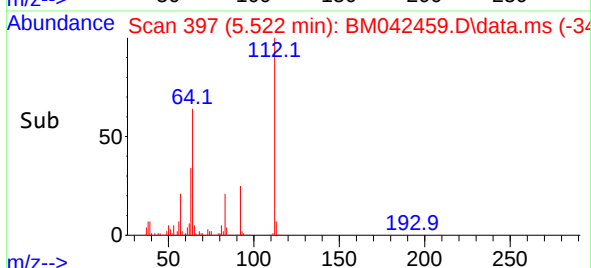
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

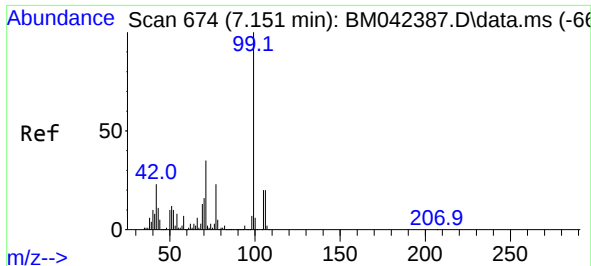


#5
2-Fluorophenol
Concen: 77.598 ng
RT: 5.522 min Scan# 397
Delta R.T. -0.000 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09



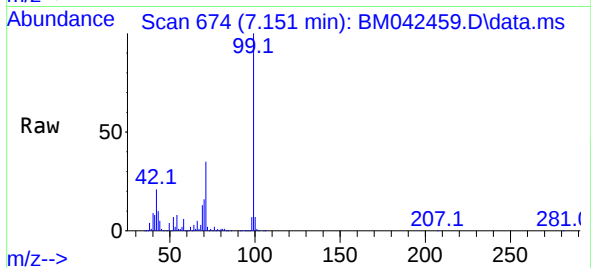
Tgt Ion:112 Resp: 1046382
Ion Ratio Lower Upper
112 100
64 64.0 52.7 79.1
63 33.6 28.3 42.5





#7
Phenol-d6
Concen: 76.827 ng
RT: 7.151 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

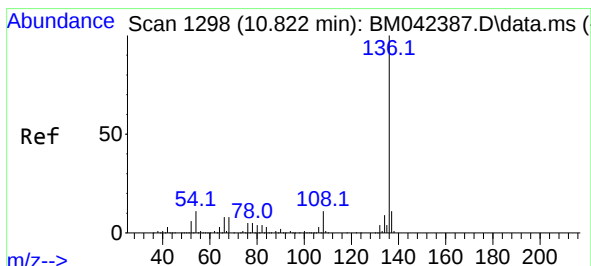
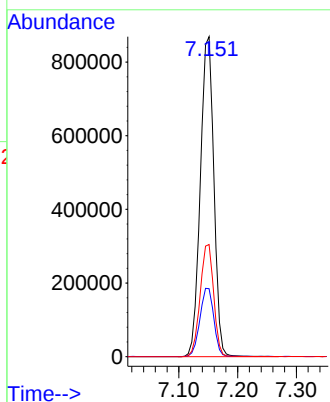
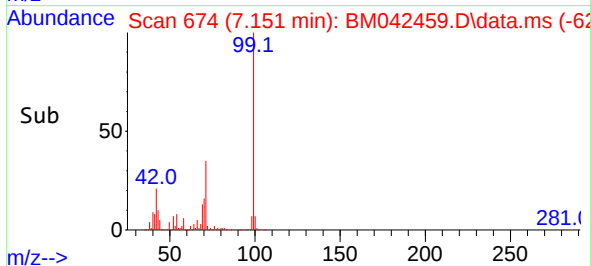
Instrument :
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ClientSampleId :
343



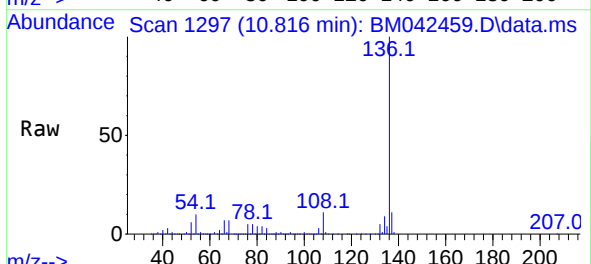
Tgt Ion: 99 Resp: 138834
Ion Ratio Lower Upper
99 100
42 21.2 18.5 27.7
71 35.1 27.7 41.5

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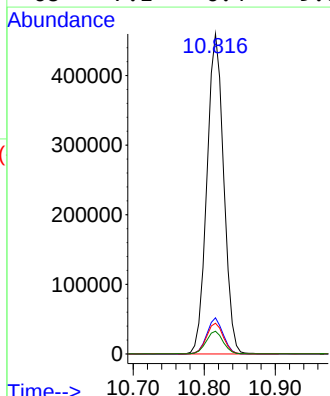
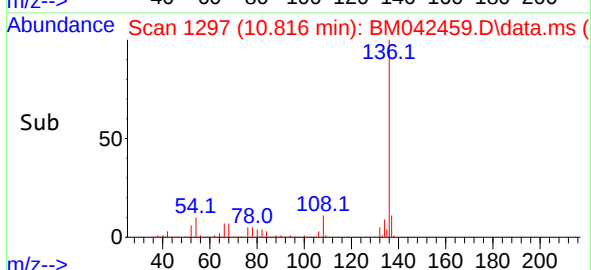
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

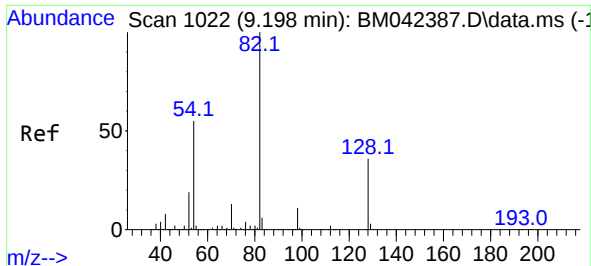


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09



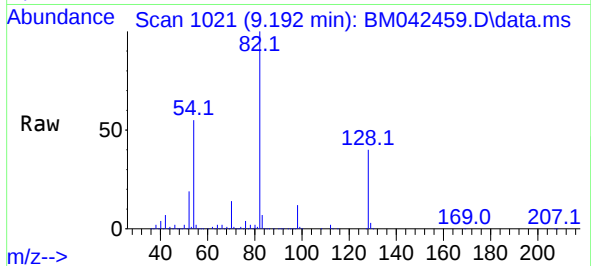
Tgt Ion:136 Resp: 755644
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 9.6 8.6 12.8
68 7.1 6.4 9.6





#23
Nitrobenzene-d5
Concen: 52.937 ng
RT: 9.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

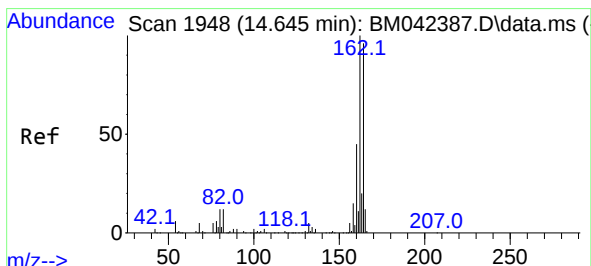
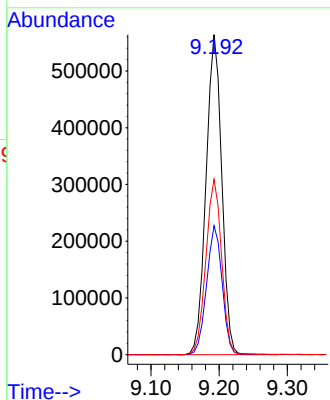
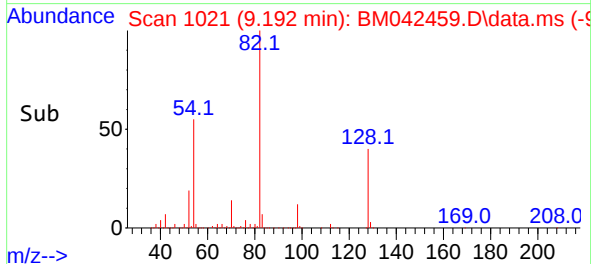
Instrument :
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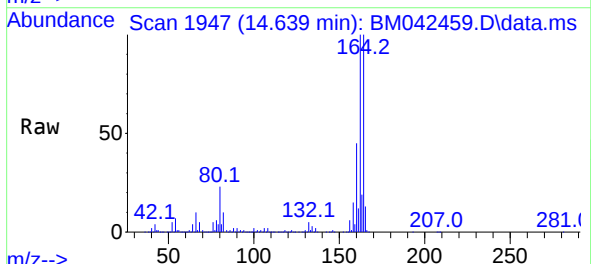
Tgt Ion: 82 Resp: 904608
Ion Ratio Lower Upper
82 100
128 40.3 29.0 43.6
54 54.8 43.7 65.5

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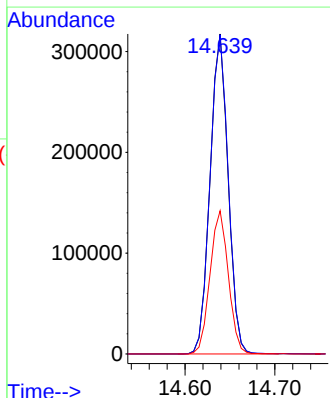
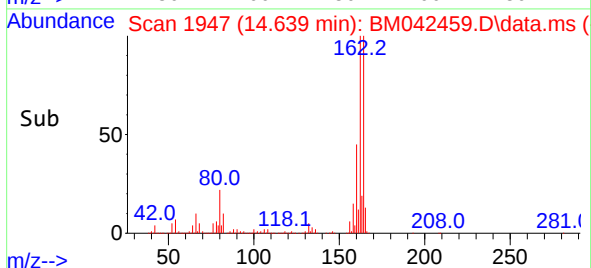
Reviewed By :Yogesh Patel 10/27/2023
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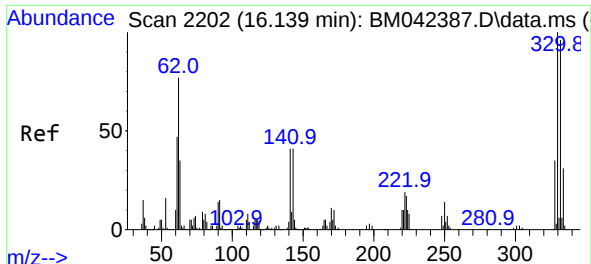


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.639 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09



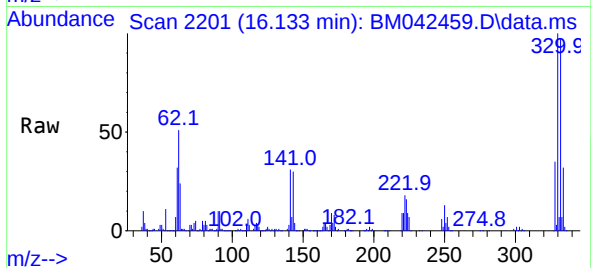
Tgt Ion:164 Resp: 443443
Ion Ratio Lower Upper
164 100
162 99.8 83.0 124.4
160 44.8 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 98.806 ng
RT: 16.133 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

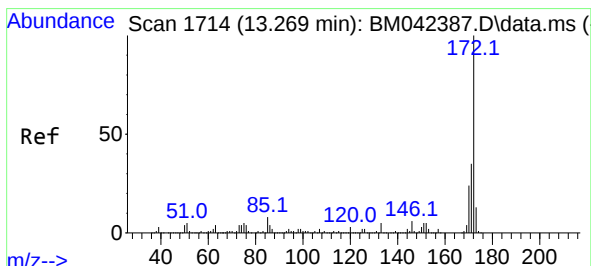
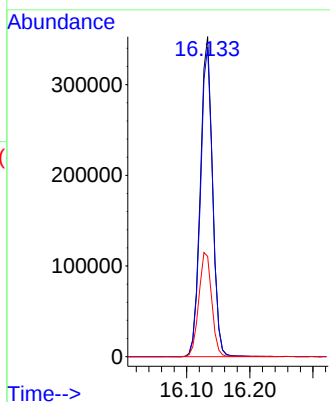
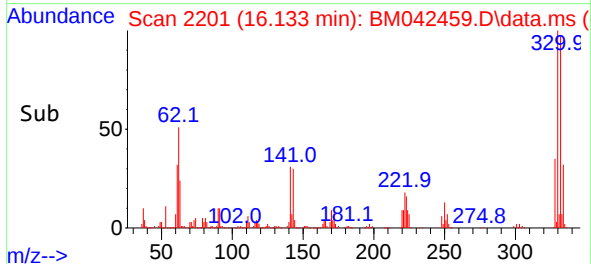
Instrument :
BNA_M
ClientSampleId :
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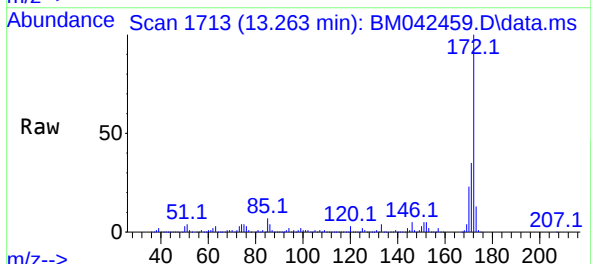
Tgt Ion:330 Resp: 47218
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 34.5 38.0 57.0

Manual Integrations
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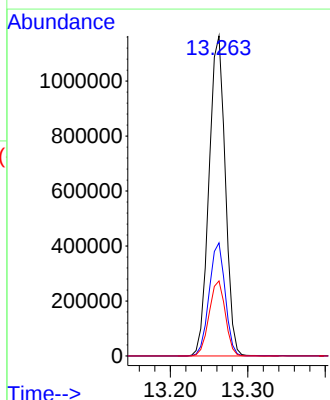
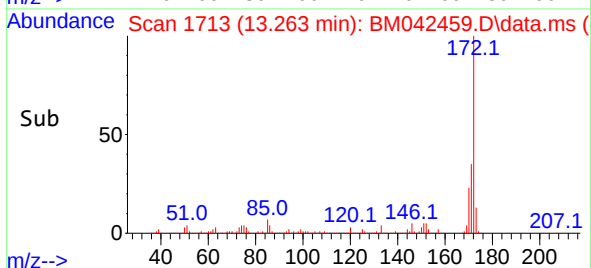
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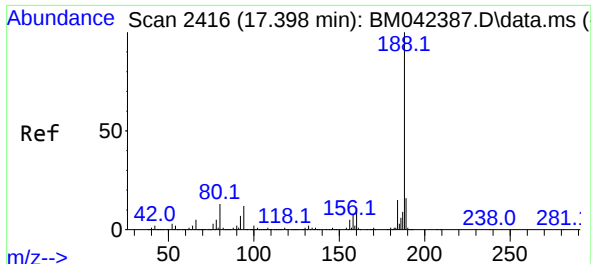


#45
2-Fluorobiphenyl
Concen: 51.464 ng
RT: 13.263 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09



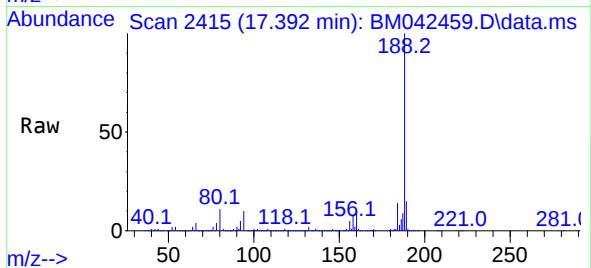
Tgt Ion:172 Resp: 1694739
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.4 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.392 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

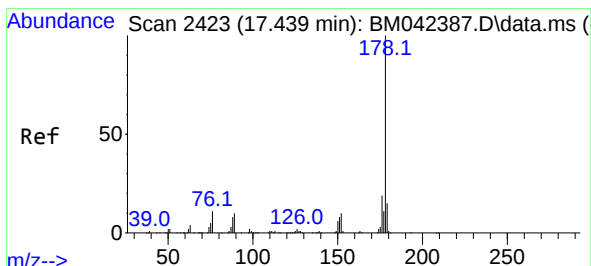
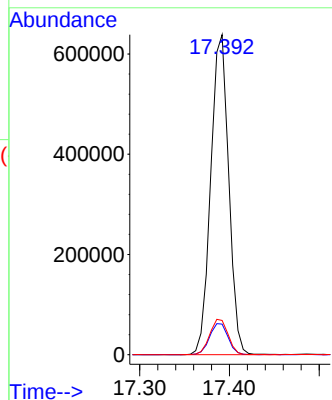
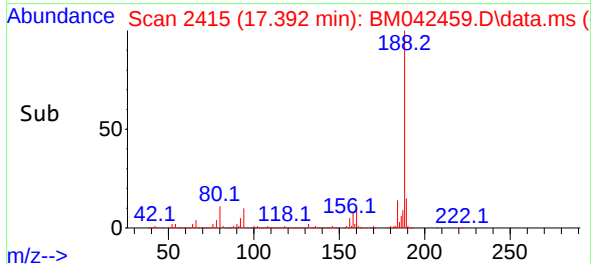
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ClientSampleId :
343



Tgt Ion:188 Resp: 888239
Ion Ratio Lower Upper
188 100
94 9.6 9.4 14.0
80 10.7 10.7 16.1

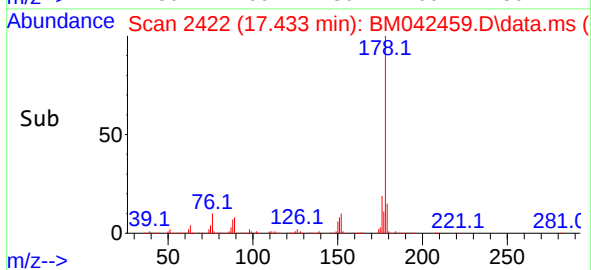
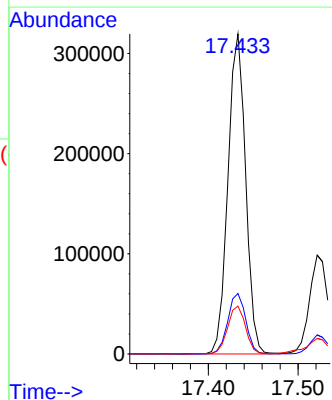
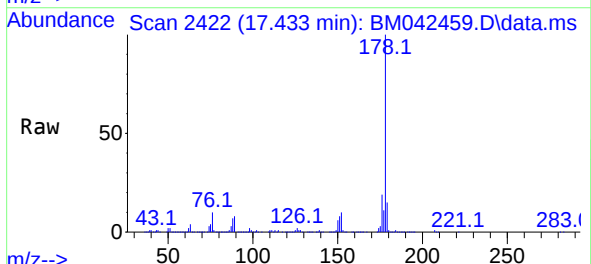
Manual Integrations
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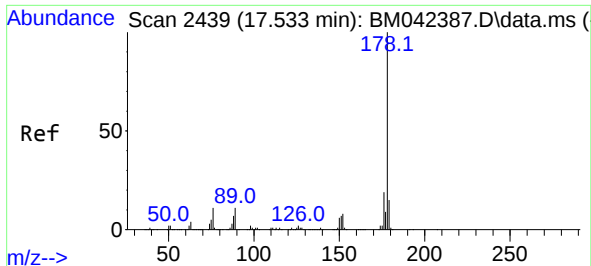
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#71
Phenanthrene
Concen: 9.039 ng
RT: 17.433 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

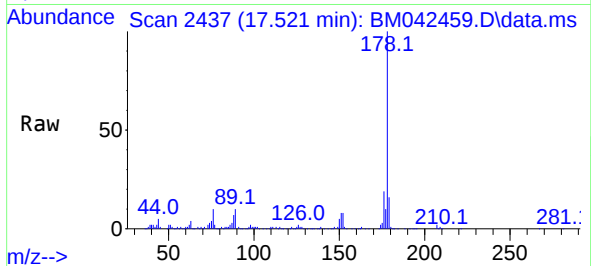
Tgt Ion:178 Resp: 436781
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.0 12.3 18.5





#72
 Anthracene
 Concen: 2.893 ng
 RT: 17.521 min Scan# 2439
 Delta R.T. -0.012 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09

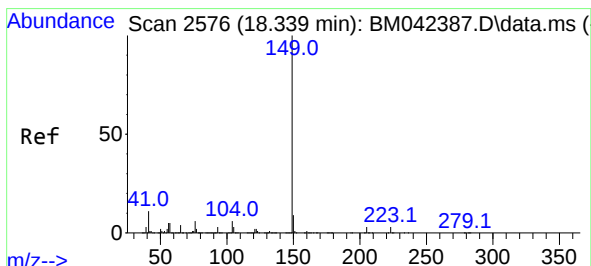
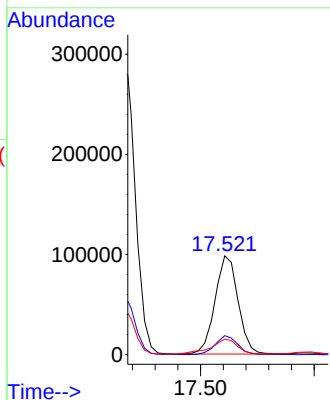
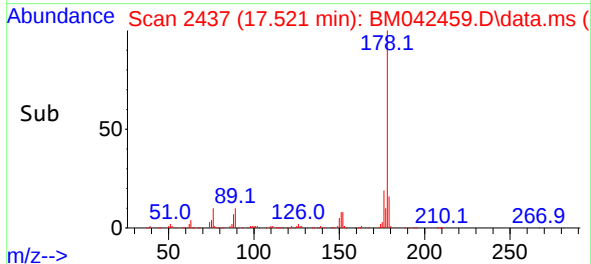
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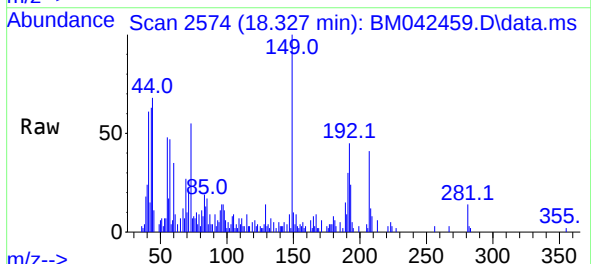
Tgt Ion:178 Resp: 138449
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.0
 179 15.6 12.1 18.1

Manual Integrations
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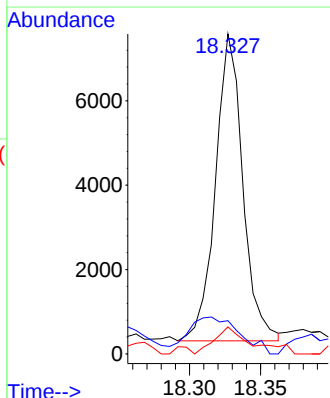
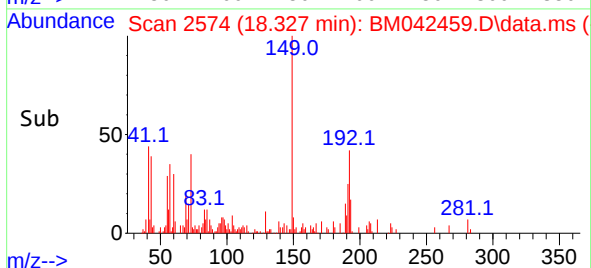
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 Supervised By :mohammad ahmed 10/27/2023

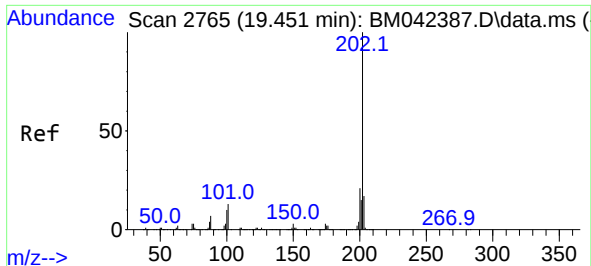


#74
 Di-n-butylphthalate
 Concen: 2.979 ng
 RT: 18.327 min Scan# 2574
 Delta R.T. -0.012 min
 Lab File: BM042459.D
 Acq: 26 Oct 2023 19:09



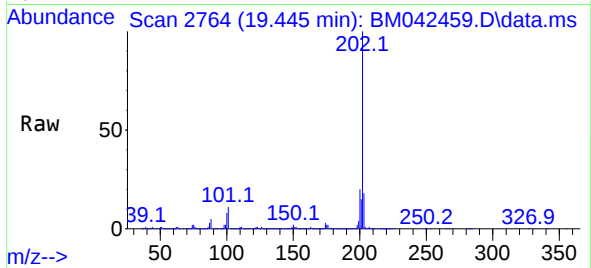
Tgt Ion:149 Resp: 9736
 Ion Ratio Lower Upper
 149 100
 150 10.4 7.4 11.0
 104 8.4 4.6 7.0#





#75
Fluoranthene
Concen: 26.802 ng
RT: 19.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

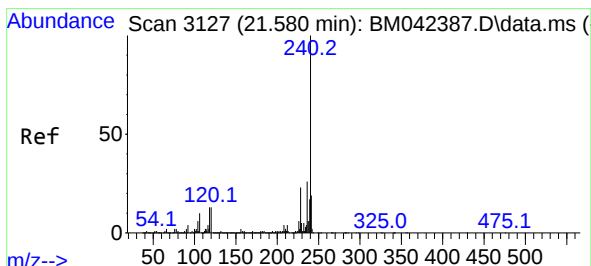
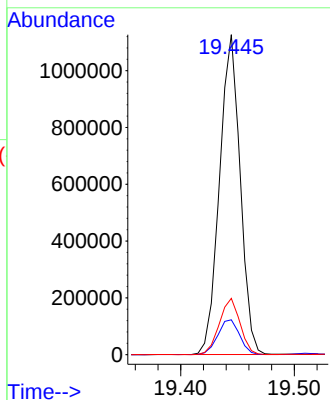
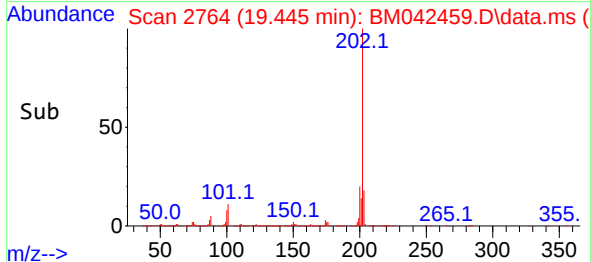
Instrument :
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ClientSampleId :
343



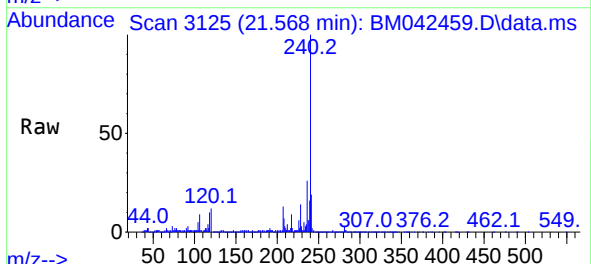
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Ion Ratio Lower Upper
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101 10.9 0.0 33.3
203 17.6 0.0 37.5

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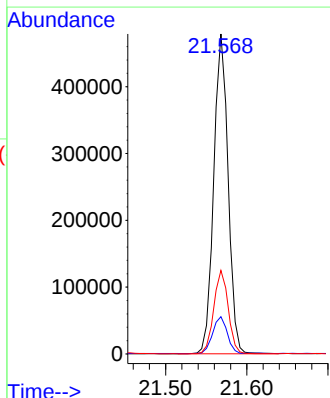
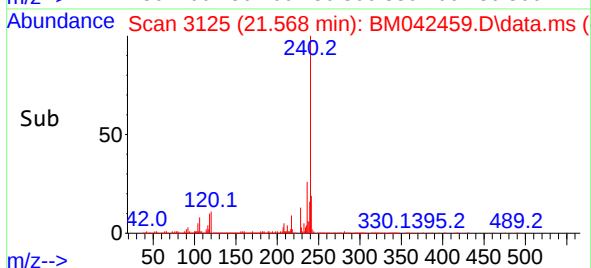
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

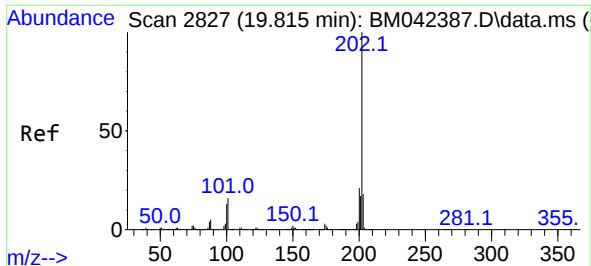


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09



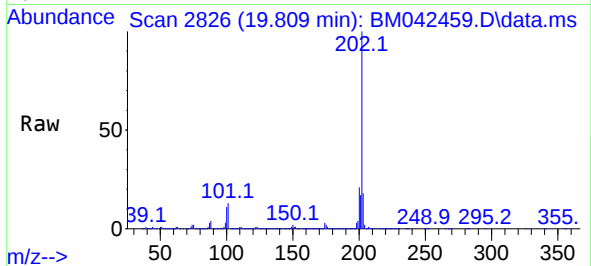
Tgt Ion:240 Resp: 588626
Ion Ratio Lower Upper
240 100
120 11.6 10.7 16.1
236 26.1 20.7 31.1





#78
Pyrene
Concen: 29.171 ng
RT: 19.809 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

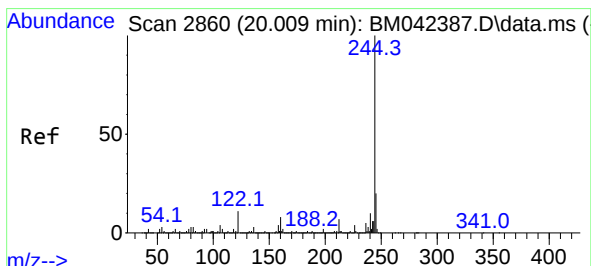
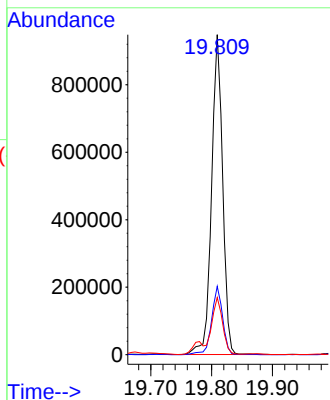
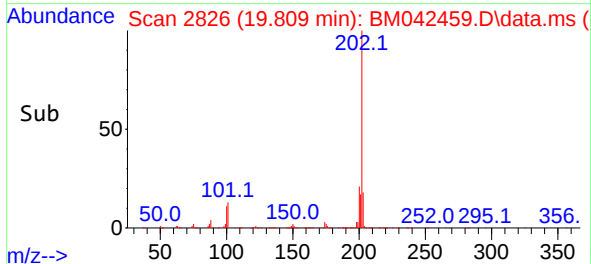
Instrument :
BNA_M
ClientSampleId :
343



Tgt Ion:202 Resp: 1199904
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.9 14.1 21.1

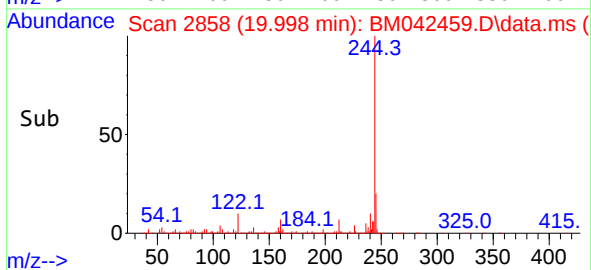
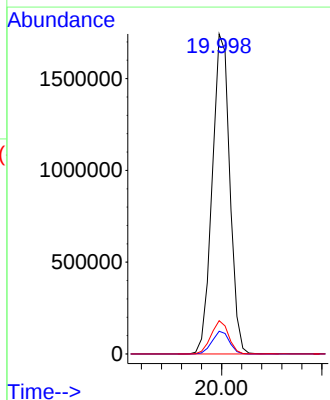
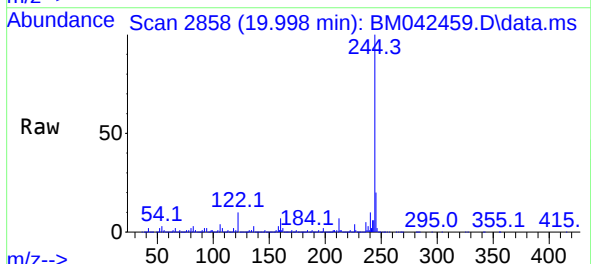
Manual Integrations
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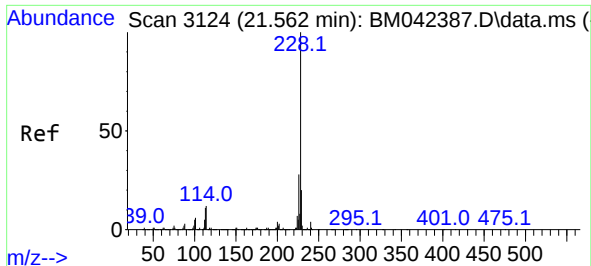
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#79
Terphenyl-d14
Concen: 63.580 ng
RT: 19.998 min Scan# 2858
Delta R.T. -0.011 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

Tgt Ion:244 Resp: 2110244
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 10.4 8.8 13.2





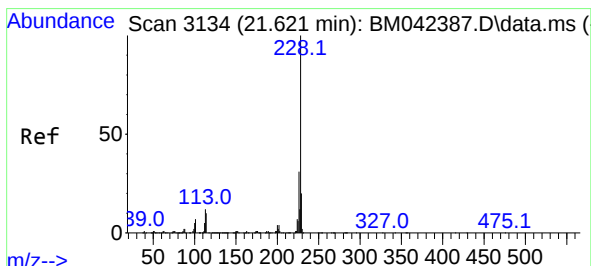
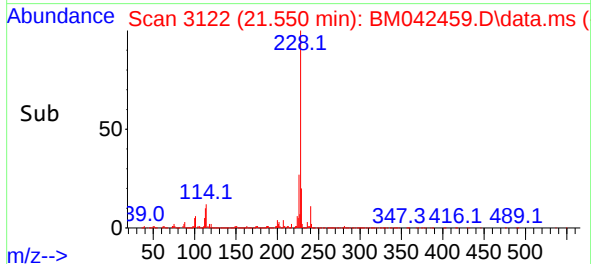
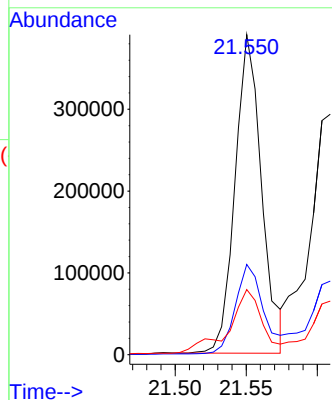
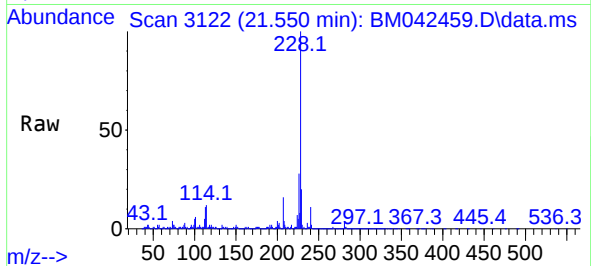
#81
Benzo(a)anthracene
Concen: 12.887 ng
RT: 21.550 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

Instrument :
BNA_M
ClientSampleId :
343

Tgt Ion:228 Resp: 508524
Ion Ratio Lower Upper
228 100
226 28.2 22.2 33.4
229 20.3 15.7 23.5

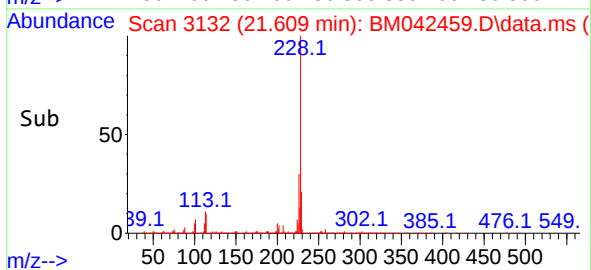
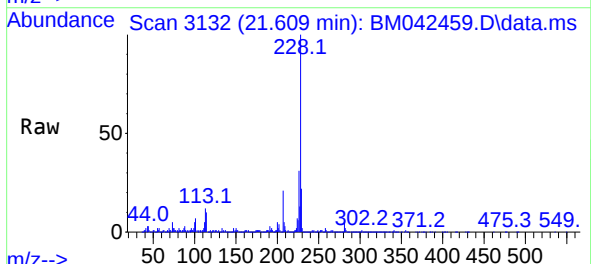
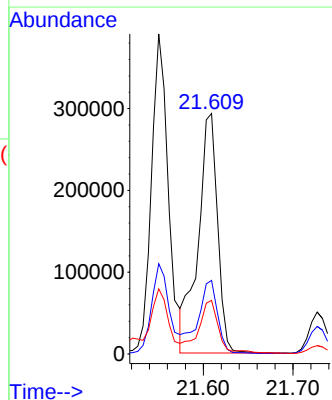
Manual Integrations
APPROVED

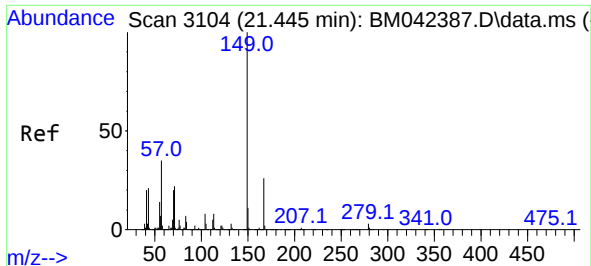
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#83
Chrysene
Concen: 11.719 ng
RT: 21.609 min Scan# 3132
Delta R.T. -0.012 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

Tgt Ion:228 Resp: 444158
Ion Ratio Lower Upper
228 100
226 30.6 24.6 36.8
229 22.3 15.7 23.5





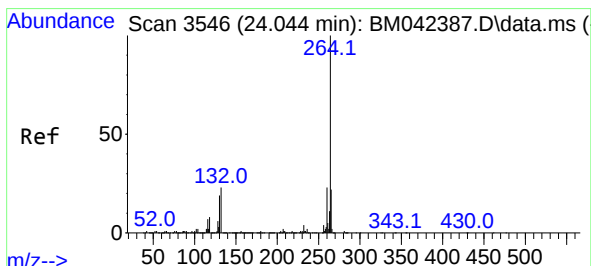
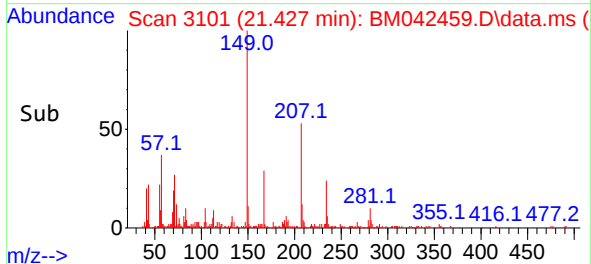
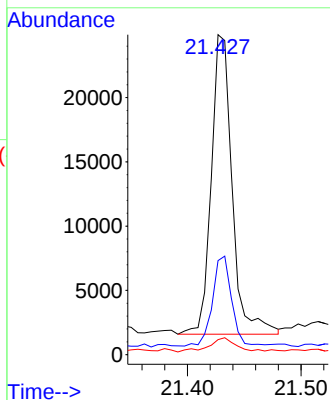
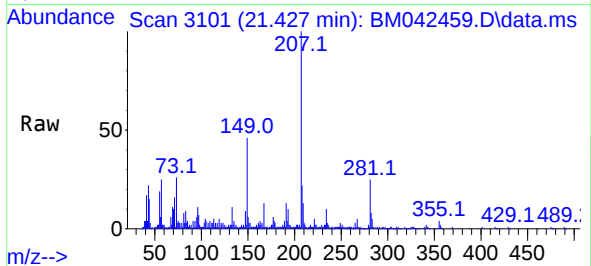
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.413 ng
RT: 21.427 min Scan# 3104
Delta R.T. -0.018 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

Instrument :
BNA_M
ClientSampleId :
343

Tgt Ion:149 Resp: 2976
Ion Ratio Lower Upper
149 100
167 29.4 20.9 31.3
279 4.7 2.7 4.1

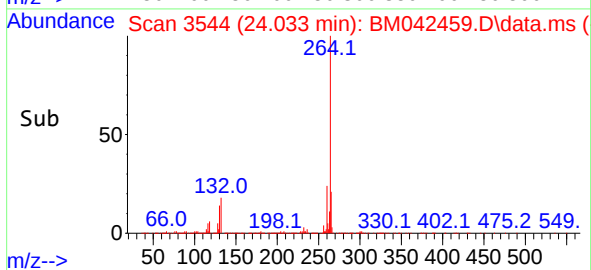
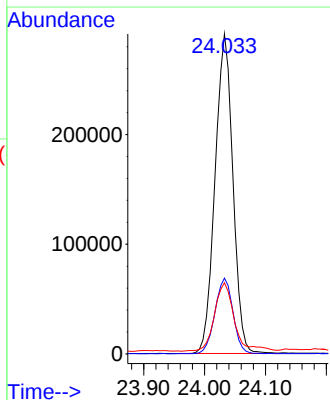
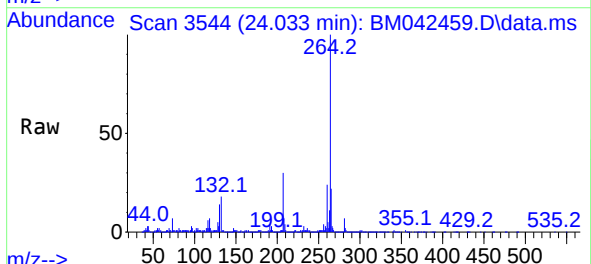
Manual Integrations
APPROVED

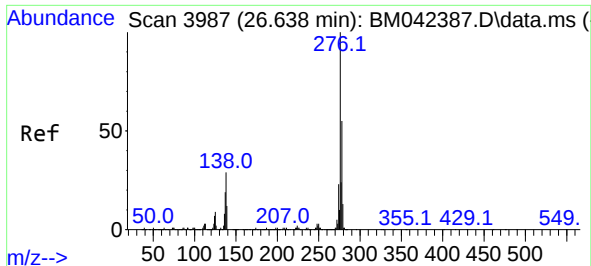
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.033 min Scan# 3544
Delta R.T. -0.012 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

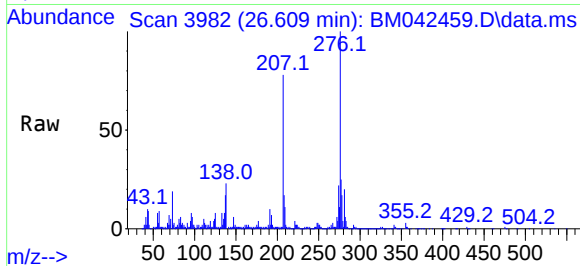
Tgt Ion:264 Resp: 593434
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 22.2 17.8 26.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.664 ng
RT: 26.609 min Scan# 3415
Delta R.T. -0.029 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

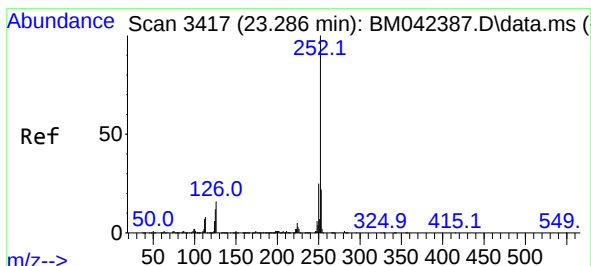
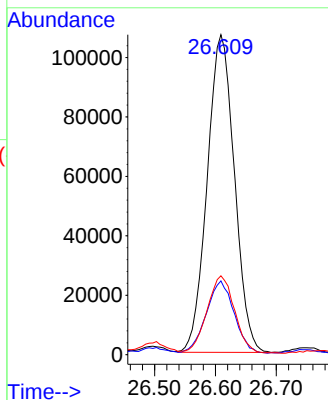
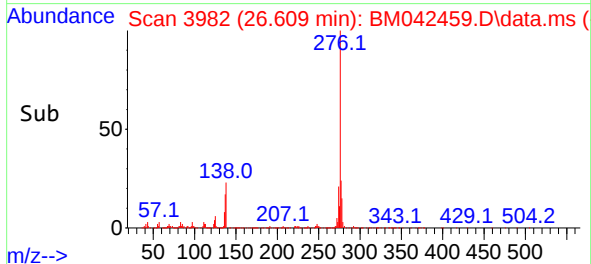
Instrument :
BNA_M
ClientSampleId :
343



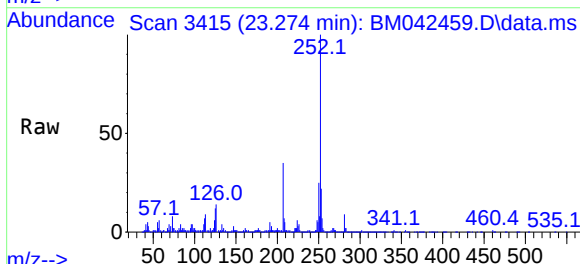
Tgt Ion:276 Resp: 332375
Ion Ratio Lower Upper
276 100
138 23.3 25.6 38.4
277 24.8 20.0 30.0

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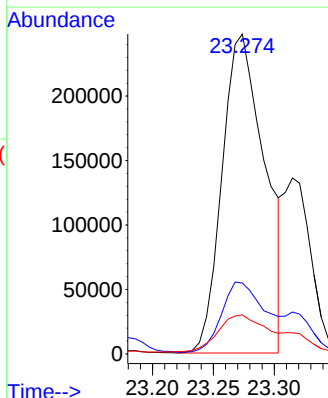
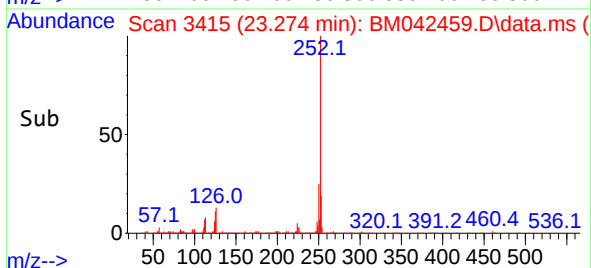
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

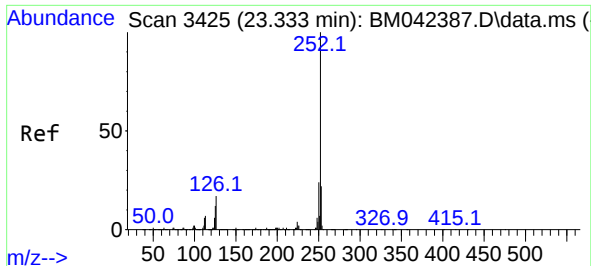


#88
Benzo(b)fluoranthene
Concen: 16.913 ng
RT: 23.274 min Scan# 3415
Delta R.T. -0.012 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09



Tgt Ion:252 Resp: 604135
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 12.2 9.8 14.8





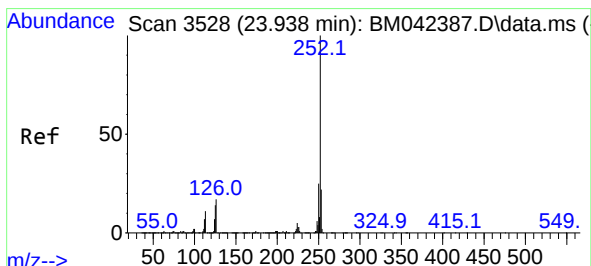
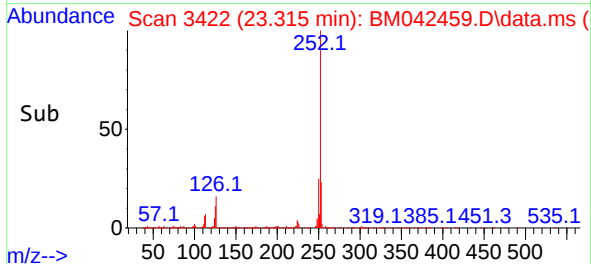
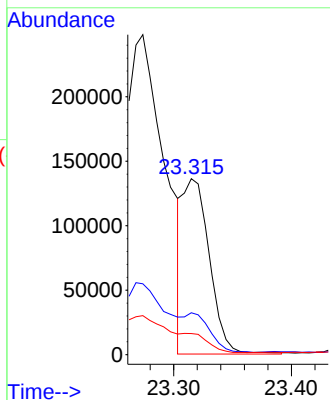
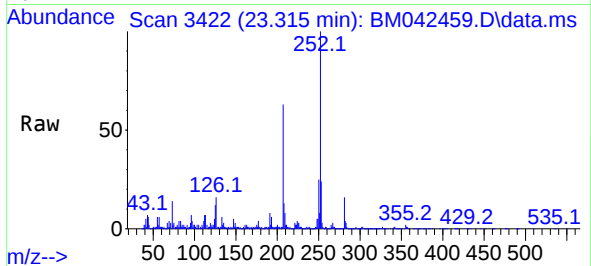
#89
Benzo(k)fluoranthene
Concen: 5.779 ng m
RT: 23.315 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

Instrument :
BNA_M
ClientSampleId :
343

Tgt Ion:252 Resp: 214300
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 12.0 10.2 15.2

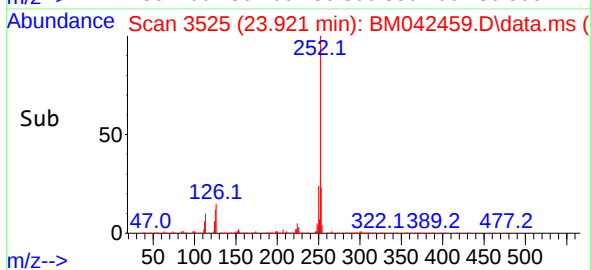
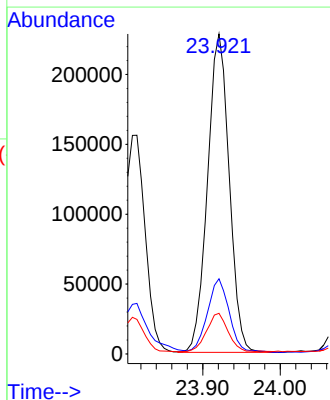
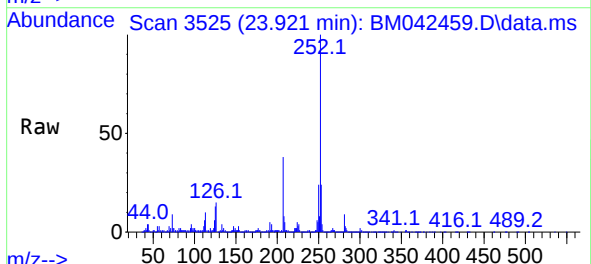
Manual Integrations
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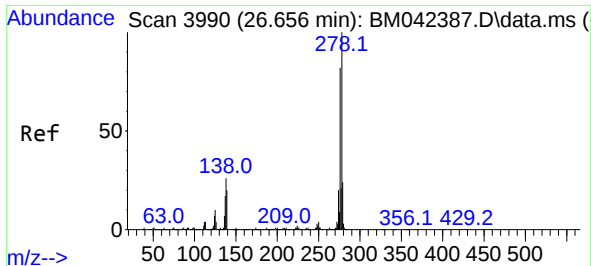
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#90
Benzo(a)pyrene
Concen: 12.869 ng
RT: 23.921 min Scan# 3525
Delta R.T. -0.018 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

Tgt Ion:252 Resp: 442455
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 12.7 10.9 16.3





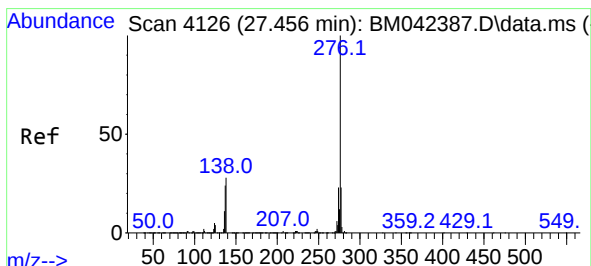
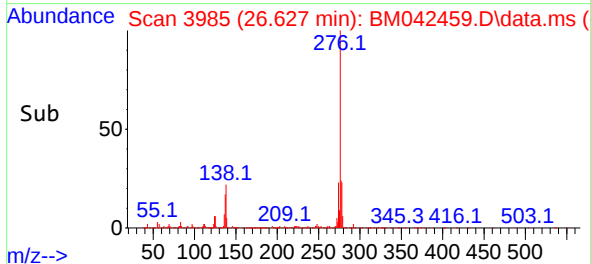
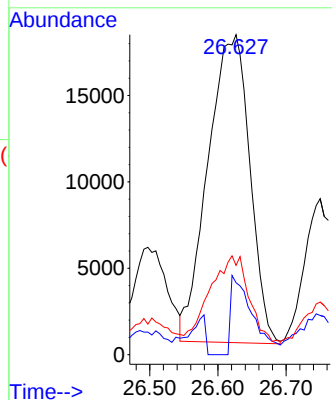
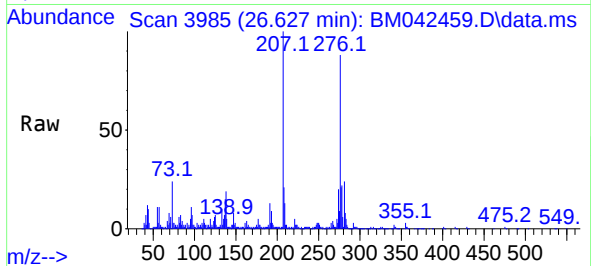
#91
Dibenzo(a,h)anthracene
Concen: 2.107 ng
RT: 26.627 min Scan# 3990
Delta R.T. -0.029 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

Instrument :
BNA_M
ClientSampleId :
343

Tgt Ion:278 Resp: 7596
Ion Ratio Lower Upper
278 100
139 22.5 15.6 23.4
279 27.9 19.0 28.6

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



#92
Benzo(g,h,i)perylene
Concen: 9.422 ng
RT: 27.421 min Scan# 4120
Delta R.T. -0.035 min
Lab File: BM042459.D
Acq: 26 Oct 2023 19:09

Tgt Ion:276 Resp: 329915
Ion Ratio Lower Upper
276 100
277 24.9 18.3 27.5
138 23.0 22.6 34.0

