

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102523\
 Data File : BM042440.D
 Acq On : 25 Oct 2023 16:35
 Operator : MA/JU
 Sample : 04941-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 213

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/26/2023
 Supervised By :mohammad ahmed 10/26/2023

Quant Time: Oct 25 17:20:59 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	143727	20.000	ng	0.00
21) Naphthalene-d8	10.810	136	562975	20.000	ng	-0.01
39) Acenaphthene-d10	14.633	164	338468	20.000	ng	-0.01
64) Phenanthrene-d10	17.386	188	758377	20.000	ng	-0.01
76) Chrysene-d12	21.562	240	754017	20.000	ng	-0.02
86) Perylene-d12	24.021	264	783187	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	903665	88.860	ng	0.00
7) Phenol-d6	7.146	99	1185855	87.014	ng	0.00
23) Nitrobenzene-d5	9.187	82	757878	59.528	ng	-0.01
42) 2,4,6-Tribromophenol	16.127	330	433587	116.992	ng	-0.01
45) 2-Fluorobiphenyl	13.257	172	1211319	48.193	ng	-0.01
79) Terphenyl-d14	19.998	244	1732606	40.752	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	10.039	122	3881m	5.861	ng	
70) Pentachlorophenol	17.015	266	8628	7.259	ng	89
71) Phenanthrene	17.427	178	82783	2.007	ng	99
74) Di-n-butylphthalate	18.321	149	4882	2.912	ng	# 83
75) Fluoranthene	19.439	202	206831	4.552	ng	99
78) Pyrene	19.804	202	207442	3.937	ng	100
80) Butylbenzylphthalate	20.680	149	54448	5.383	ng	95
81) Benzo(a)anthracene	21.545	228	132774	2.627	ng	98
83) Chrysene	21.603	228	229884	4.735	ng	98
84) Bis(2-ethylhexyl)phtha...	21.427	149	155155	7.617	ng	98
88) Benzo(b)fluoranthene	23.262	252	152415	3.233	ng	97
90) Benzo(a)pyrene	23.909	252	114190	2.517	ng	# 95

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

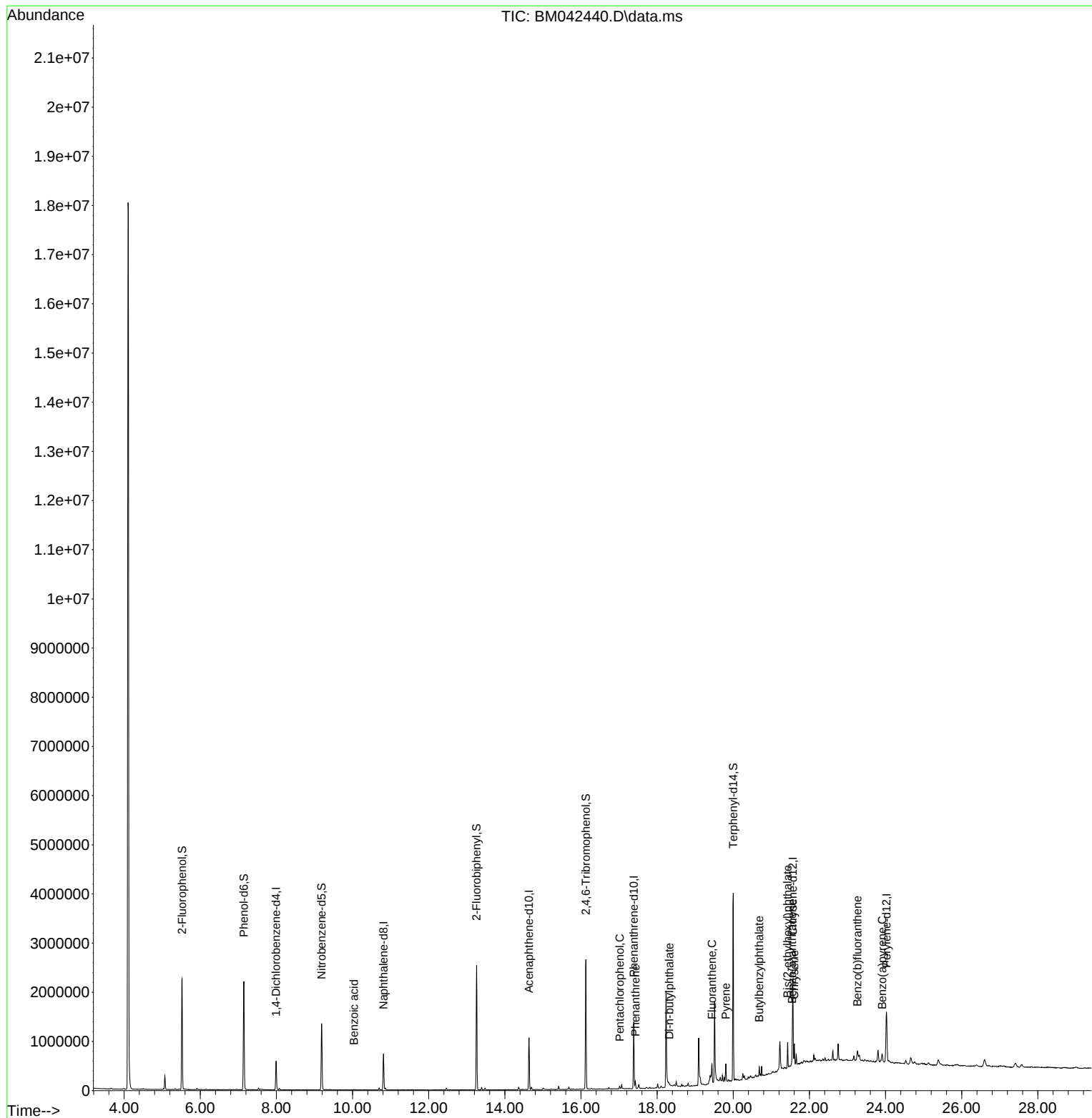
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Data File : BM042440.D
Acq On : 25 Oct 2023 16:35
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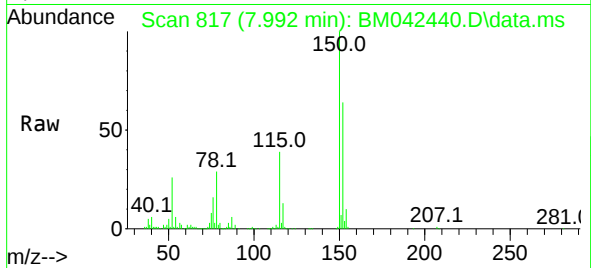
Quant Time: Oct 25 17:20:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.992 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

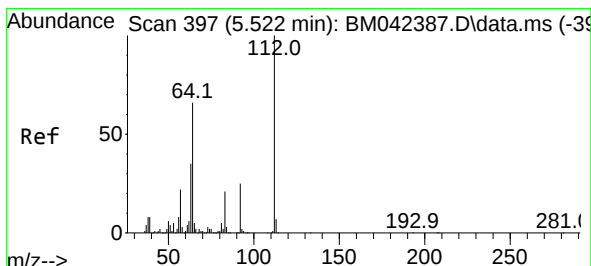
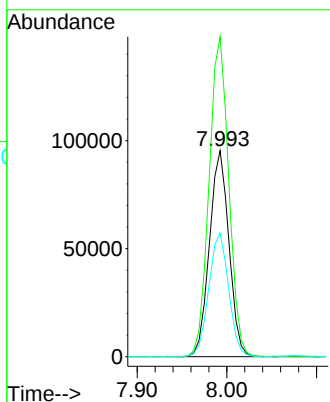
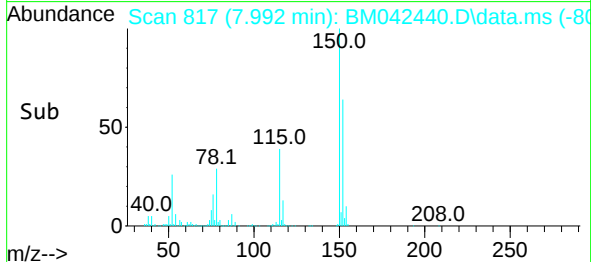
Instrument :
BNA_M
ClientSampleId :
213



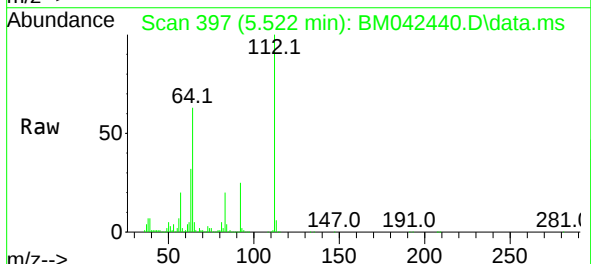
Tgt Ion:152 Resp: 14372
Ion Ratio Lower Upper
152 100
150 155.3 126.2 189.4
115 60.0 51.9 77.9

Manual Integrations
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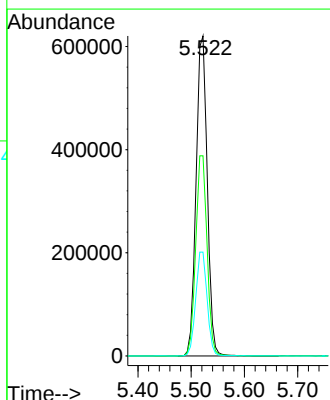
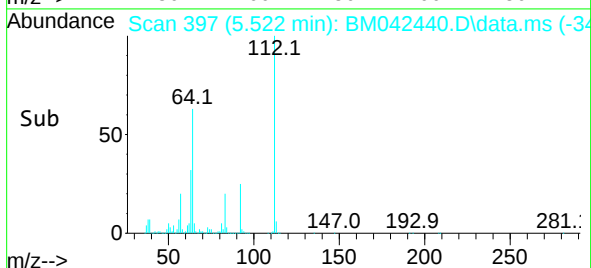
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

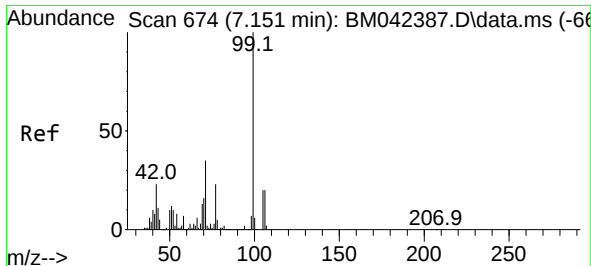


#5
2-Fluorophenol
Concen: 88.860 ng
RT: 5.522 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35



Tgt Ion:112 Resp: 903665
Ion Ratio Lower Upper
112 100
64 62.5 52.7 79.1
63 32.4 28.3 42.5





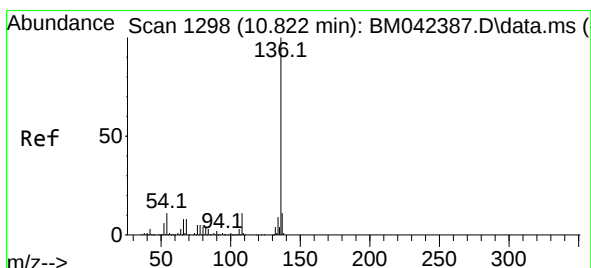
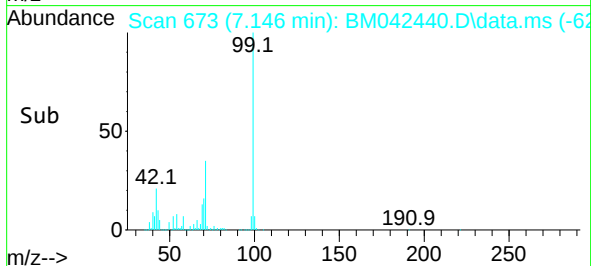
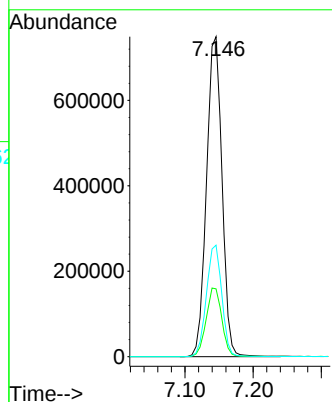
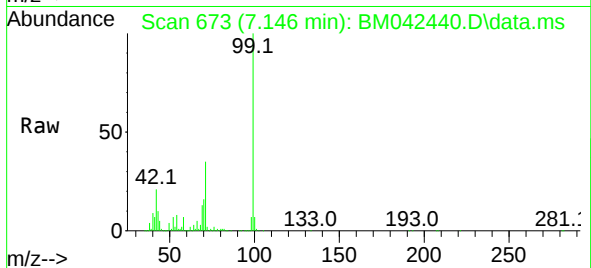
#7
Phenol-d6
Concen: 87.014 ng
RT: 7.146 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Instrument :
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ClientSampleId :
213

Tgt Ion: 99 Resp: 118585
Ion Ratio Lower Upper
99 100
42 21.2 18.5 27.7
71 34.9 27.7 41.5

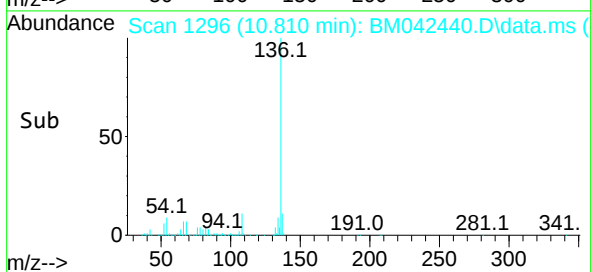
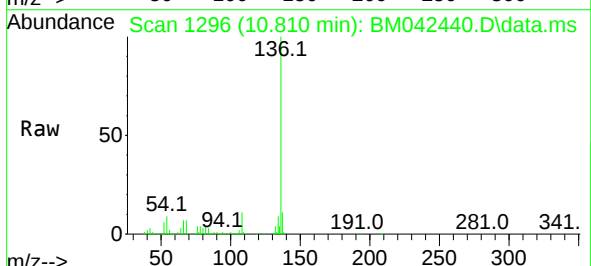
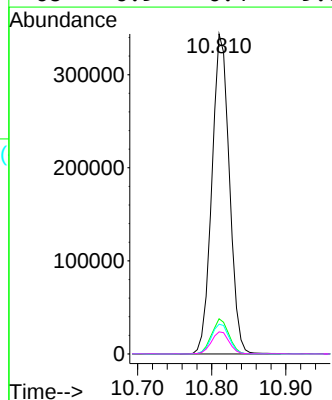
Manual Integrations
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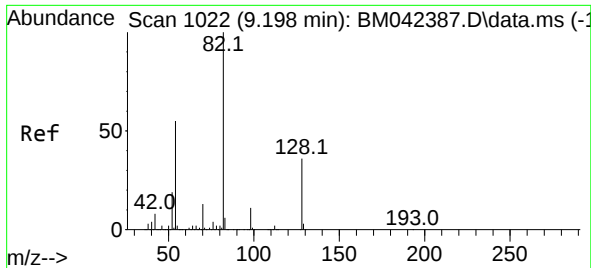
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 1296
Delta R.T. -0.012 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

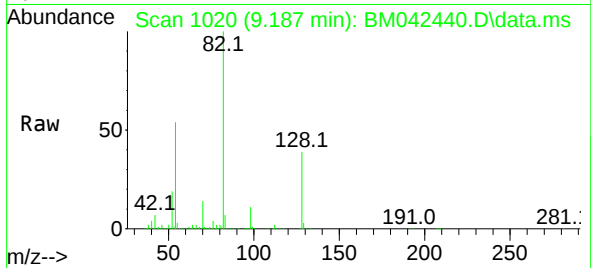
Tgt Ion:136 Resp: 562975
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 9.3 8.6 12.8
68 6.9 6.4 9.6





#23
Nitrobenzene-d5
Concen: 59.528 ng
RT: 9.187 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

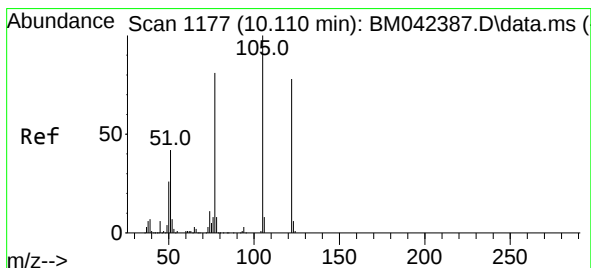
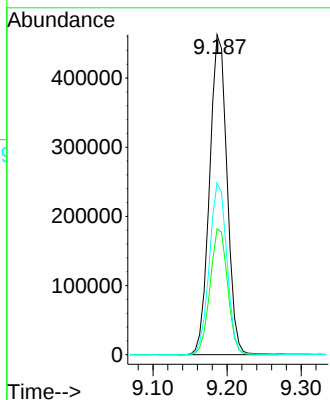
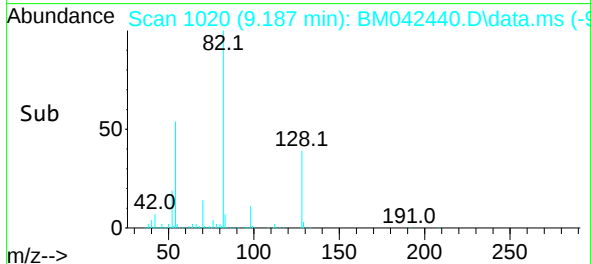
Instrument :
BNA_M
ClientSampleId :
213



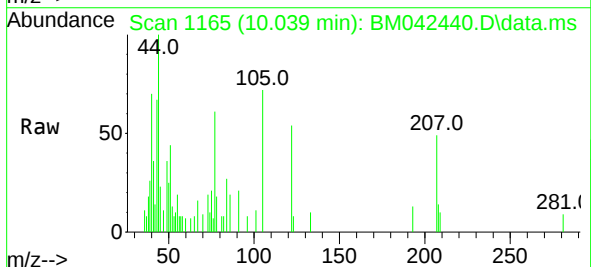
Tgt Ion: 82 Resp: 757878
Ion Ratio Lower Upper
82 100
128 39.3 29.0 43.6
54 53.8 43.7 65.5

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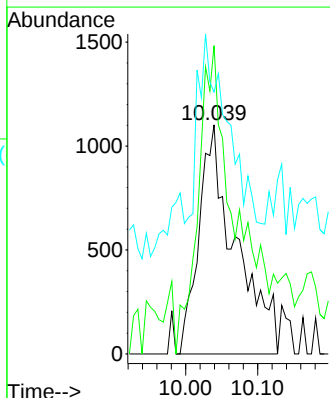
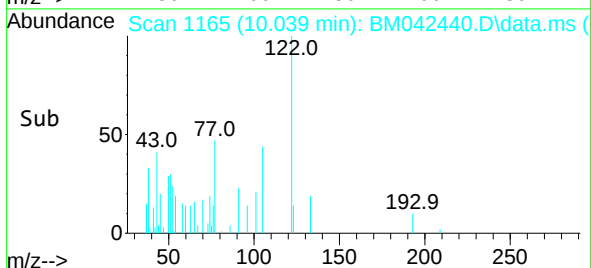
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

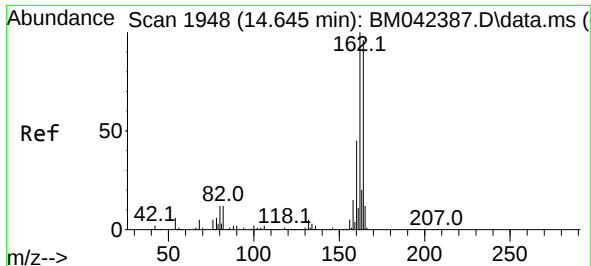


#32
Benzoic acid
Concen: 5.861 ng m
RT: 10.039 min Scan# 1165
Delta R.T. -0.071 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35



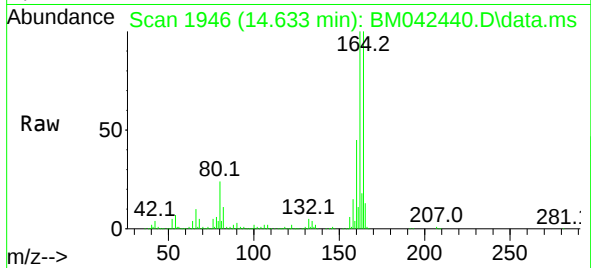
Tgt Ion:122 Resp: 3881
Ion Ratio Lower Upper
122 100
105 134.6 104.9 144.9
77 114.3 83.4 123.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.633 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

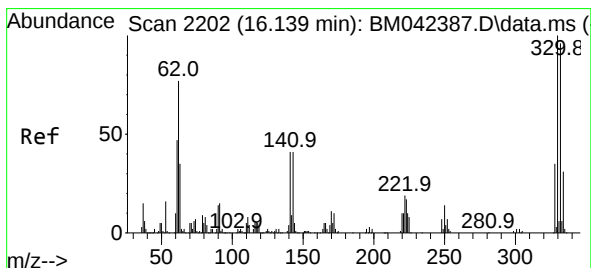
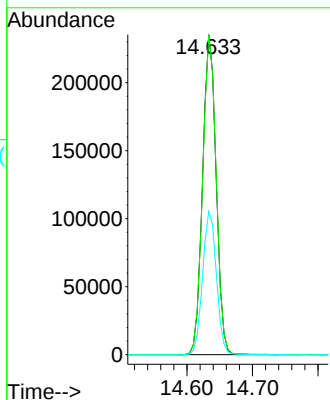
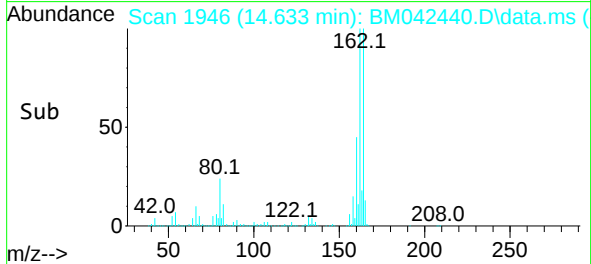
Instrument :
BNA_M
ClientSampleId :
213



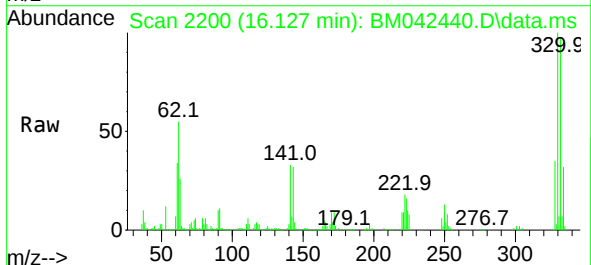
Tgt Ion:164 Resp: 338468
Ion Ratio Lower Upper
164 100
162 99.8 83.0 124.4
160 44.8 37.0 55.4

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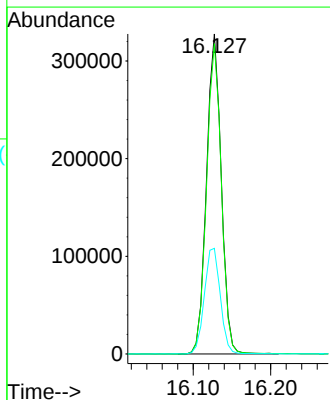
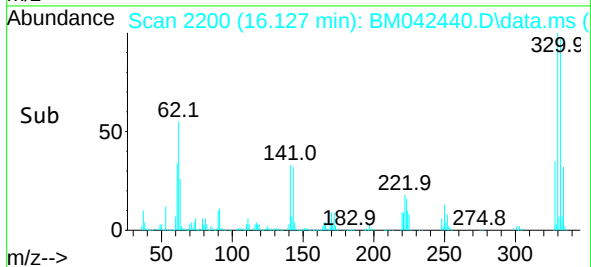
Reviewed By :Yogesh Patel 10/26/2023
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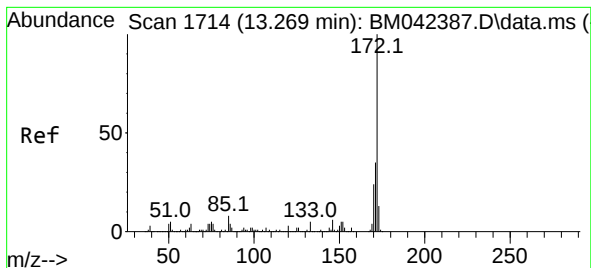


#42
2,4,6-Tribromophenol
Concen: 116.992 ng
RT: 16.127 min Scan# 2200
Delta R.T. -0.012 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35



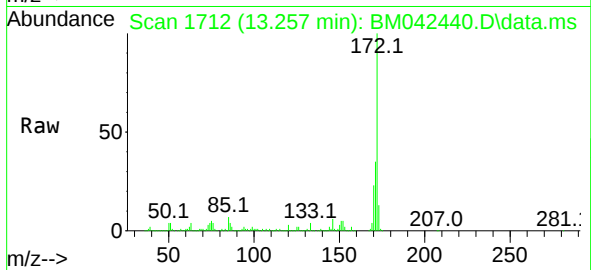
Tgt Ion:330 Resp: 433587
Ion Ratio Lower Upper
330 100
332 97.3 77.6 116.4
141 35.9 38.0 57.0#





#45
2-Fluorobiphenyl
Concen: 48.193 ng
RT: 13.257 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

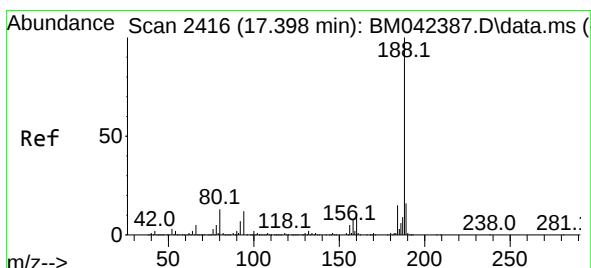
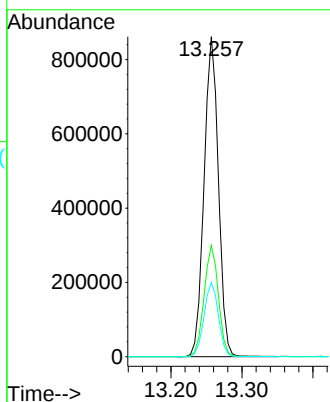
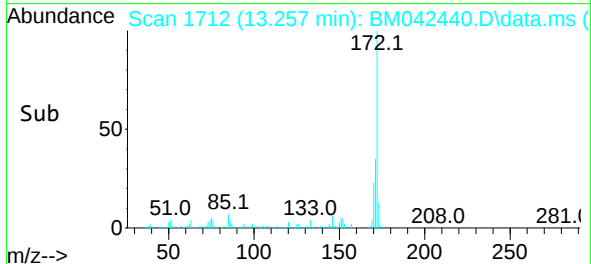
Instrument :
BNA_M
ClientSampleId :
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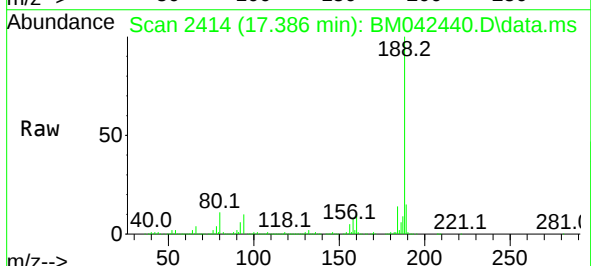
Tgt Ion:172 Resp: 1211319
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.2 18.9 28.3

Manual Integrations
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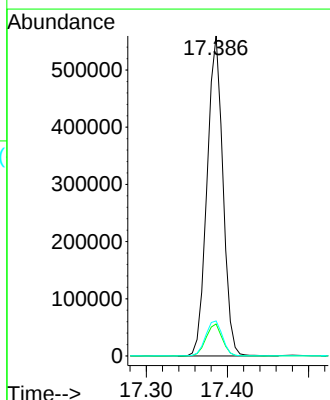
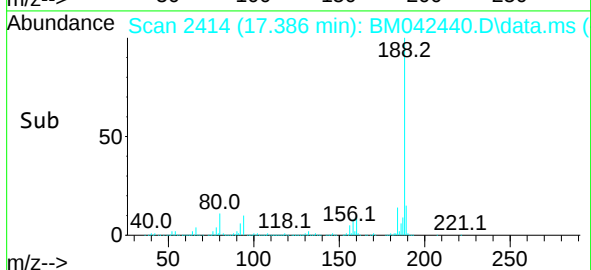
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

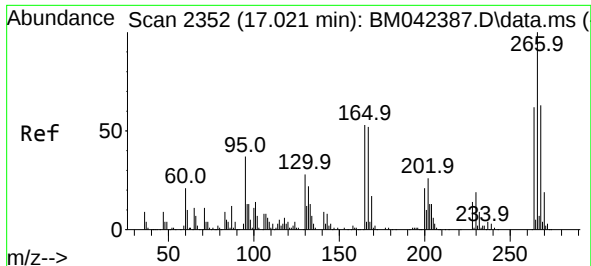


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.386 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35



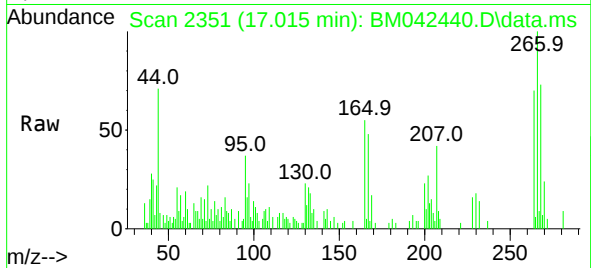
Tgt Ion:188 Resp: 758377
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.0
80 11.0 10.7 16.1





#70
 Pentachlorophenol
 Concen: 7.259 ng
 RT: 17.015 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: BM042440.D
 Acq: 25 Oct 2023 16:35

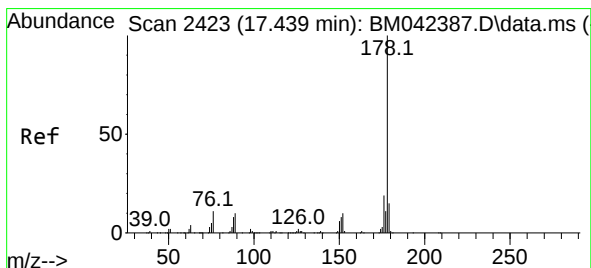
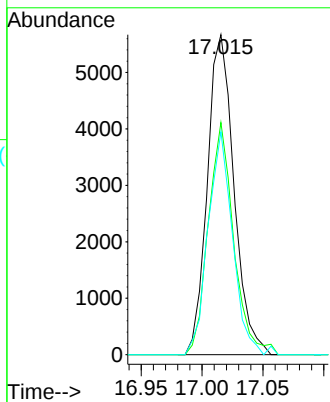
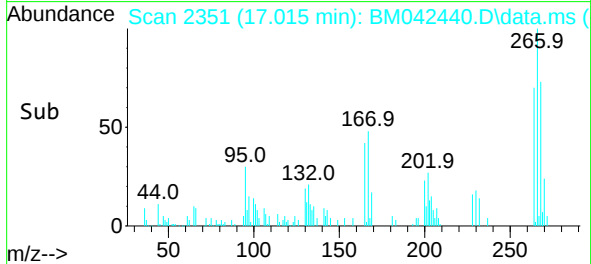
Instrument :
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 213



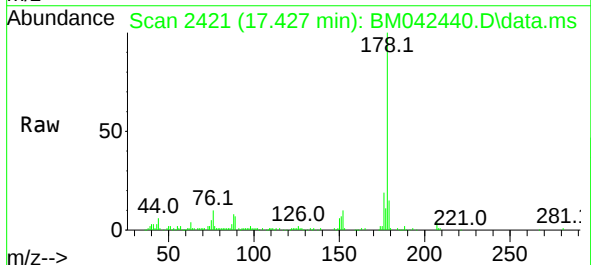
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 Ion Ratio Lower Upper
 266 100
 268 72.5 50.6 76.0
 264 69.6 49.4 74.0

Manual Integrations
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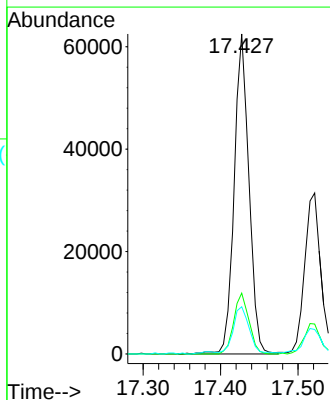
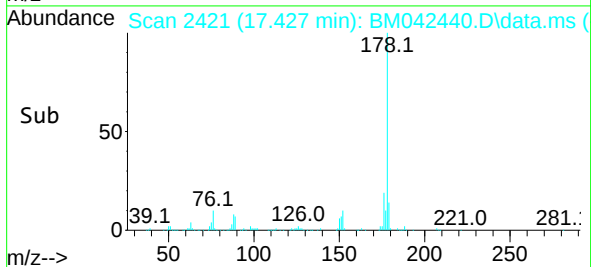
Reviewed By :Yogesh Patel 10/26/2023
 Supervised By :mohammad ahmed 10/26/2023

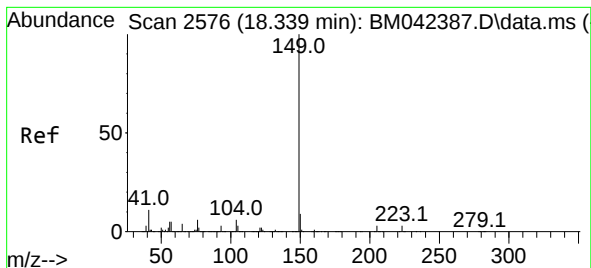


#71
 Phenanthrene
 Concen: 2.007 ng
 RT: 17.427 min Scan# 2421
 Delta R.T. -0.012 min
 Lab File: BM042440.D
 Acq: 25 Oct 2023 16:35



Tgt Ion:178 Resp: 82783
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 14.7 12.3 18.5





#74

Di-n-butylphthalate

Concen: 2.912 ng

RT: 18.321 min Scan# 213

Delta R.T. -0.018 min

Lab File: BM042440.D

Acq: 25 Oct 2023 16:35

Instrument :

BNA_M

ClientSampleId :

213

Tgt Ion:149 Resp: 488

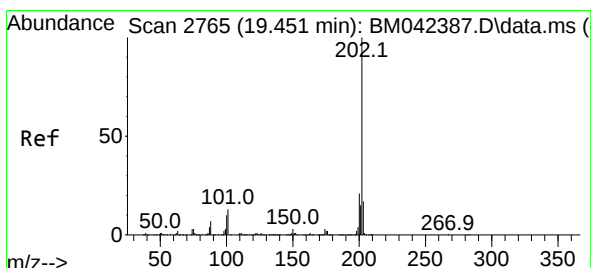
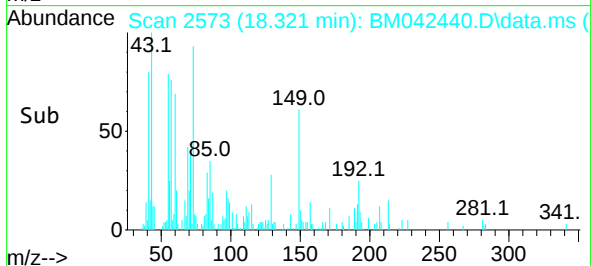
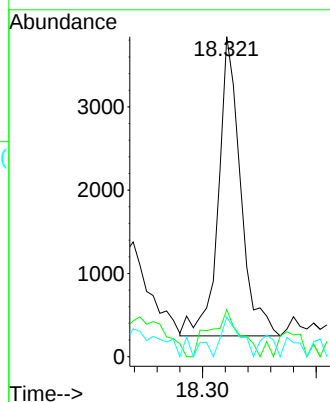
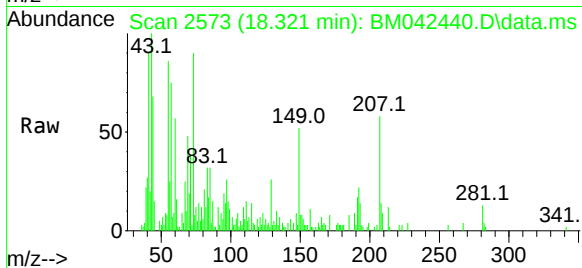
Ion	Ratio	Lower	Upper
149	100		
150	14.7	7.4	11.0
104	12.3	4.6	7.0

Manual Integrations

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Supervised By :mohammad ahmed 10/26/2023



#75

Fluoranthene

Concen: 4.552 ng

RT: 19.439 min Scan# 2763

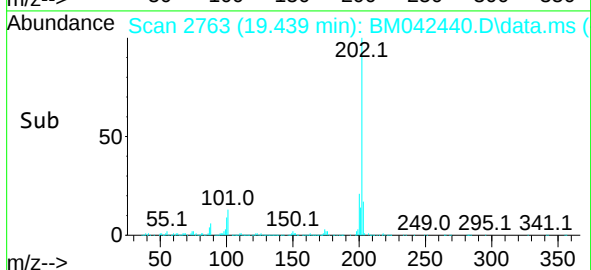
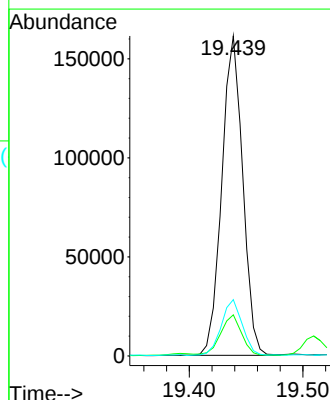
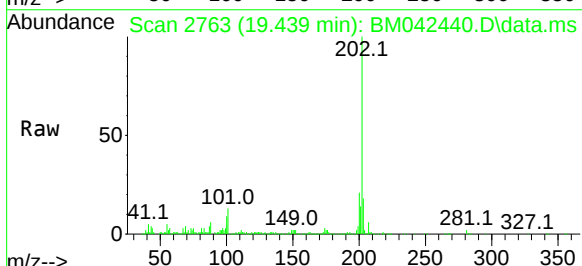
Delta R.T. -0.012 min

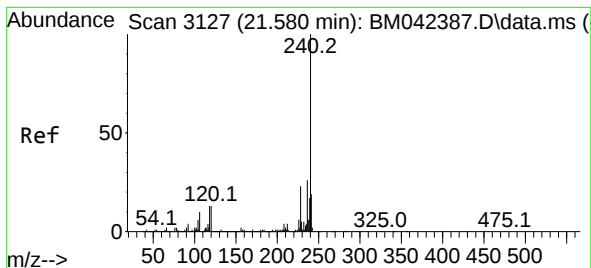
Lab File: BM042440.D

Acq: 25 Oct 2023 16:35

Tgt Ion:202 Resp: 206831

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.3
203	17.6	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: BM042440.D

Acq: 25 Oct 2023 16:35

Instrument :

BNA_M

ClientSampleId :

213

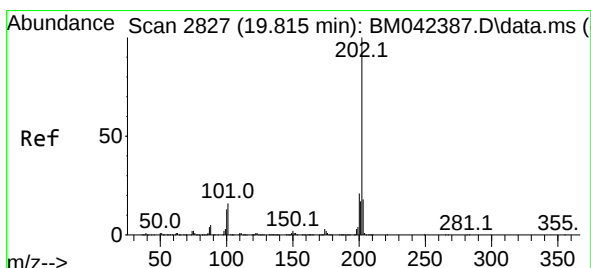
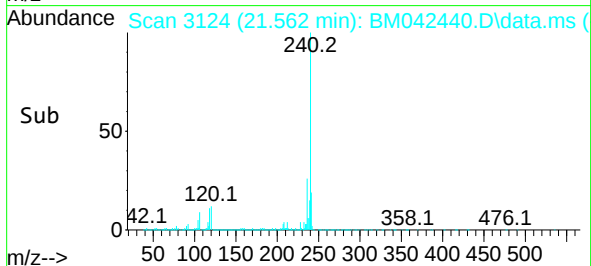
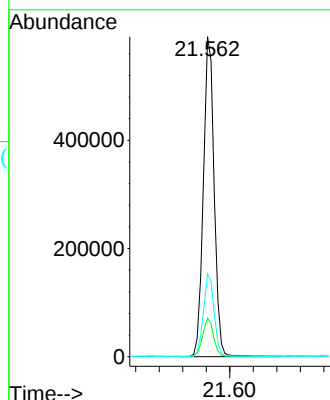
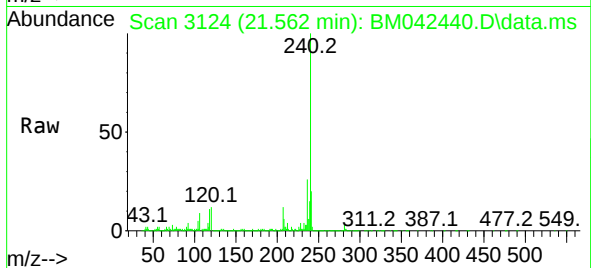
Tgt Ion:240 Resp: 75401
 Ion Ratio Lower Upper
 240 100
 120 12.0 10.7 16.1
 236 25.9 20.7 31.1

Manual Integrations

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Reviewed By :Yogesh Patel 10/26/2023

Supervised By :mohammad ahmed 10/26/2023



#78

Pyrene

Concen: 3.937 ng

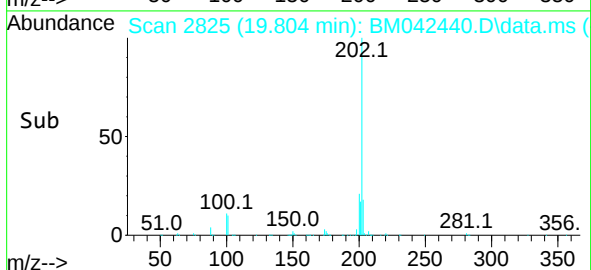
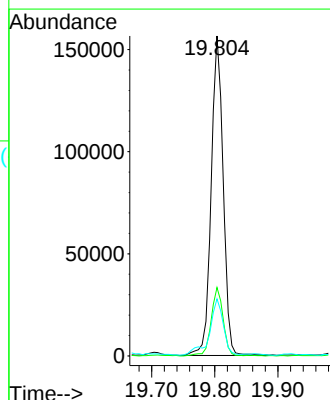
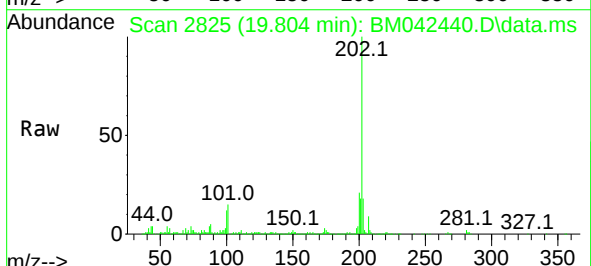
RT: 19.804 min Scan# 2825

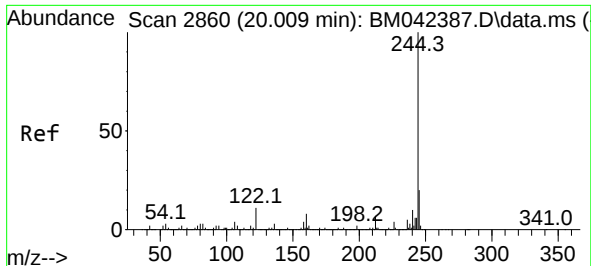
Delta R.T. -0.012 min

Lab File: BM042440.D

Acq: 25 Oct 2023 16:35

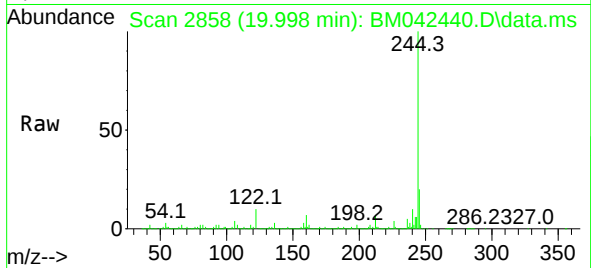
Tgt Ion:202 Resp: 207442
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.1 25.7
 203 17.9 14.1 21.1





#79
 Terphenyl-d14
 Concen: 40.752 ng
 RT: 19.998 min Scan# 213
 Delta R.T. -0.011 min
 Lab File: BM042440.D
 Acq: 25 Oct 2023 16:35

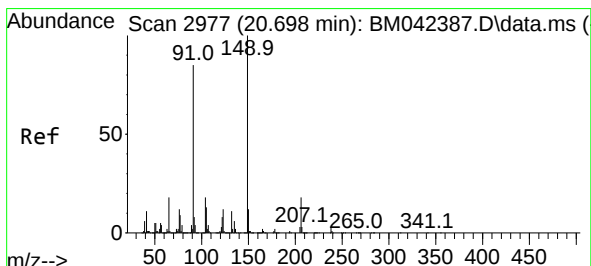
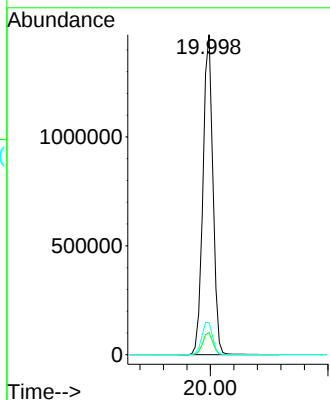
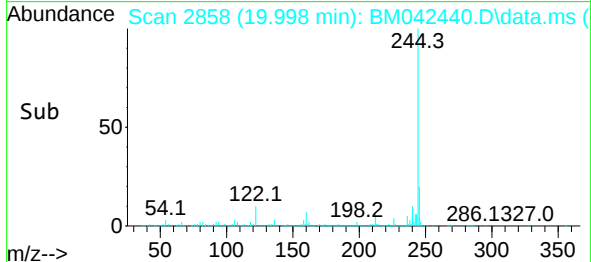
Instrument :
 BNA_M
 ClientSampleId :
 213



Tgt Ion:244 Resp: 1732600
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.1 8.8 13.2

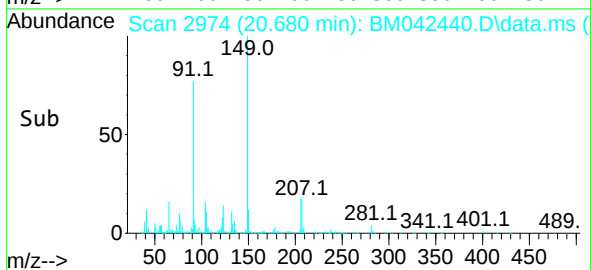
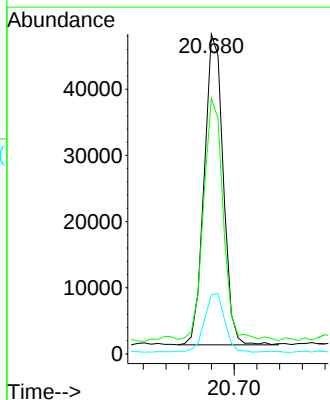
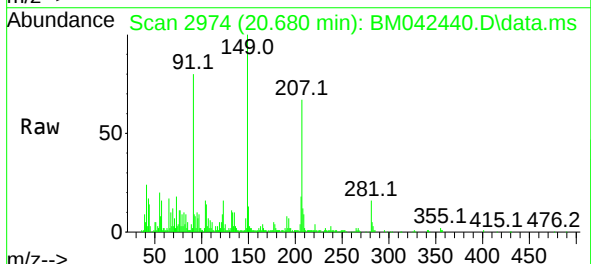
Manual Integrations
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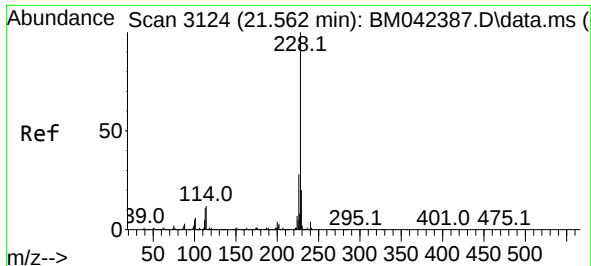
Reviewed By :Yogesh Patel 10/26/2023
 Supervised By :mohammad ahmed 10/26/2023



#80
 Butylbenzylphthalate
 Concen: 5.383 ng
 RT: 20.680 min Scan# 2974
 Delta R.T. -0.018 min
 Lab File: BM042440.D
 Acq: 25 Oct 2023 16:35

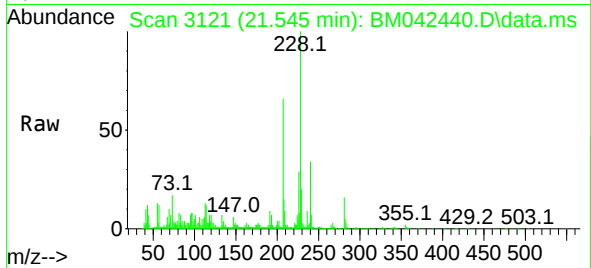
Tgt Ion:149 Resp: 54448
 Ion Ratio Lower Upper
 149 100
 91 79.9 68.3 102.5
 206 18.5 14.6 22.0





#81
Benzo(a)anthracene
Concen: 2.627 ng
RT: 21.545 min Scan# 3124
Delta R.T. -0.017 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

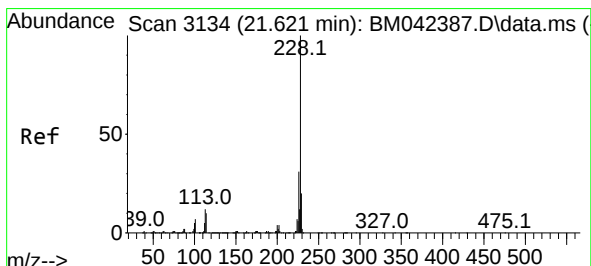
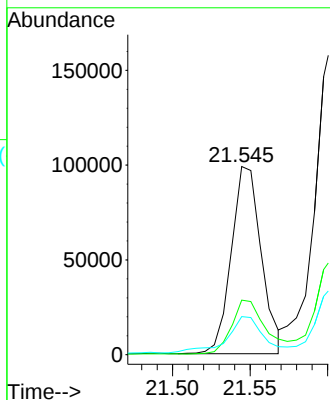
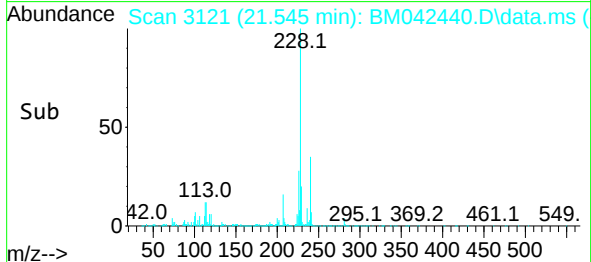
Instrument :
BNA_M
ClientSampleId :
213



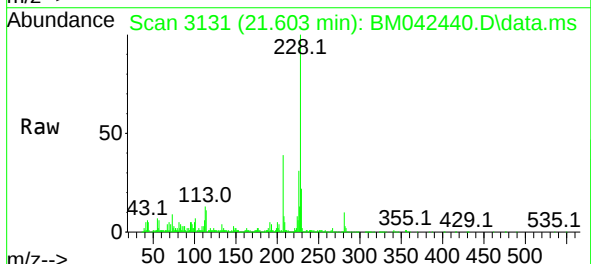
Tgt Ion:228 Resp: 132774
Ion Ratio Lower Upper
228 100
226 29.0 22.2 33.4
229 20.2 15.7 23.5

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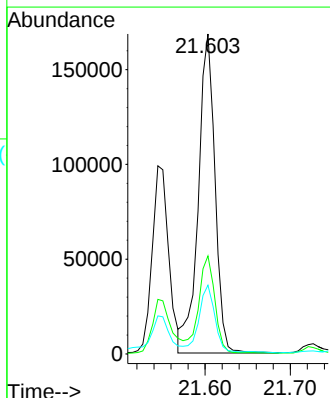
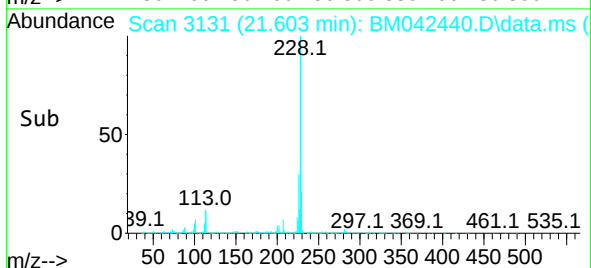
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023

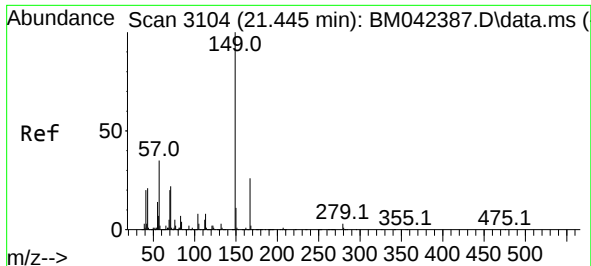


#83
Chrysene
Concen: 4.735 ng
RT: 21.603 min Scan# 3131
Delta R.T. -0.018 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35



Tgt Ion:228 Resp: 229884
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 21.5 15.7 23.5





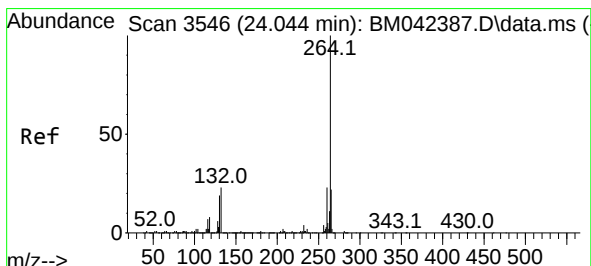
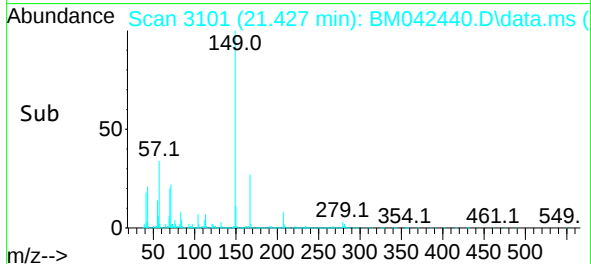
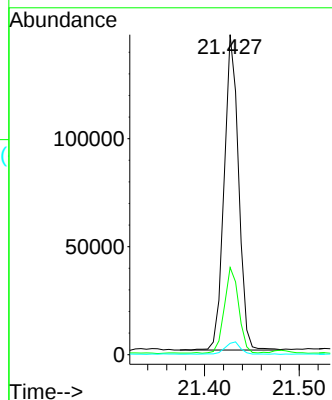
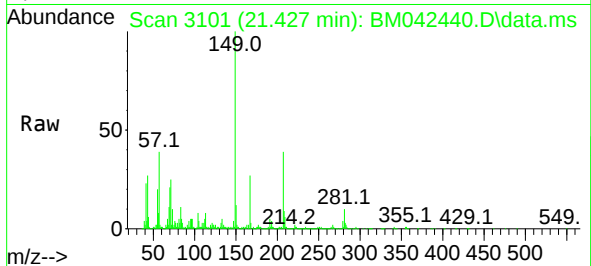
#84
Bis(2-ethylhexyl)phthalate
Concen: 7.617 ng
RT: 21.427 min Scan# 3104
Delta R.T. -0.018 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Instrument :
BNA_M
ClientSampleId :
213

Tgt Ion:149 Resp: 15515
Ion Ratio Lower Upper
149 100
167 27.3 20.9 31.3
279 3.6 2.7 4.1

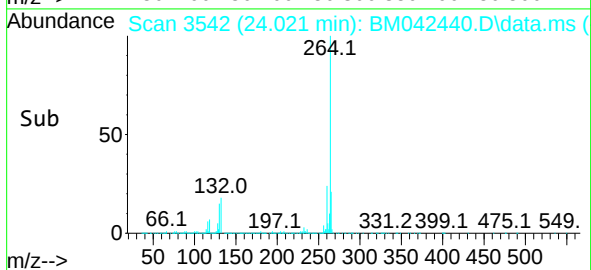
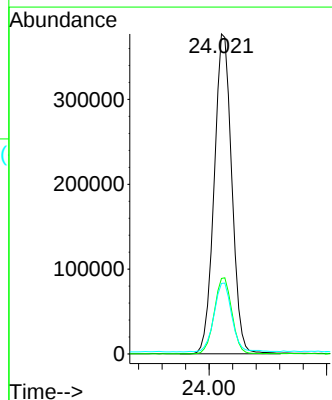
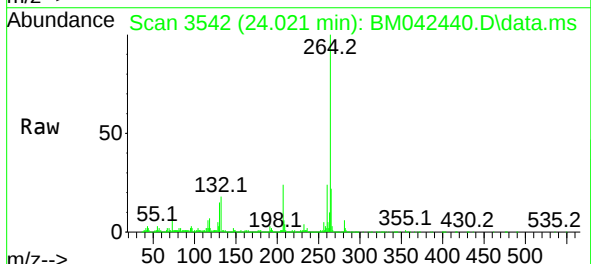
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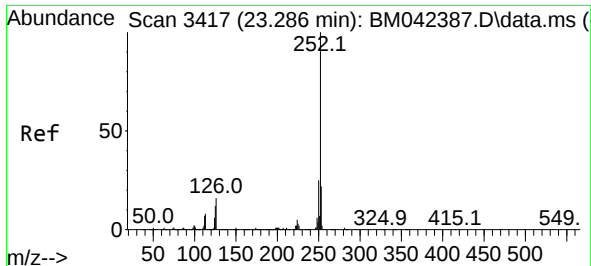
Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.021 min Scan# 3542
Delta R.T. -0.023 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Tgt Ion:264 Resp: 783187
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 22.0 17.8 26.8





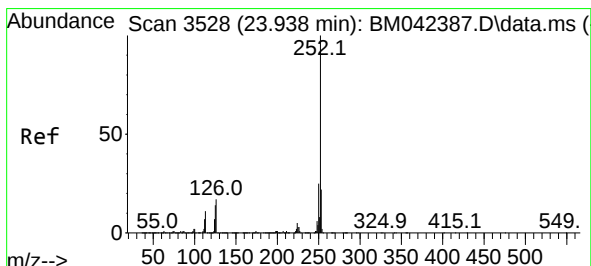
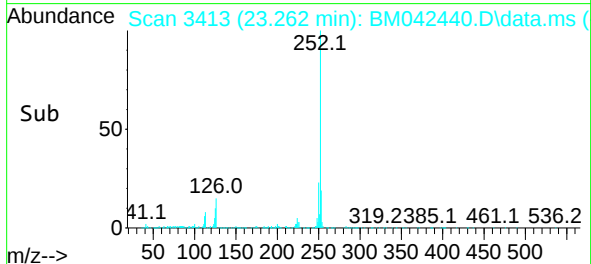
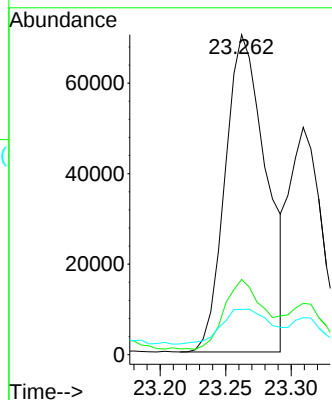
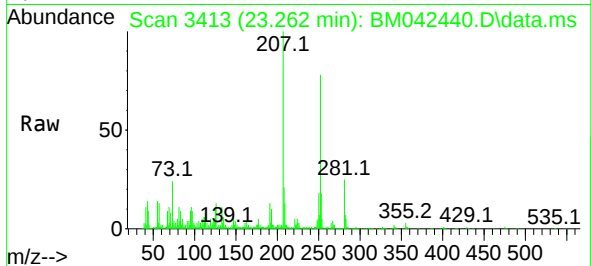
#88
Benzo(b)fluoranthene
Concen: 3.233 ng
RT: 23.262 min Scan# 3417
Delta R.T. -0.023 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Instrument :
BNA_M
ClientSampleId :
213

Tgt Ion:252 Resp: 15241
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 14.2 9.8 14.8

Manual Integrations
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Reviewed By :Yogesh Patel 10/26/2023
Supervised By :mohammad ahmed 10/26/2023



#90
Benzo(a)pyrene
Concen: 2.517 ng
RT: 23.909 min Scan# 3523
Delta R.T. -0.029 min
Lab File: BM042440.D
Acq: 25 Oct 2023 16:35

Tgt Ion:252 Resp: 114190
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 16.9 10.9 16.3#

