

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
 Data File : BM042588.D
 Acq On : 04 Nov 2023 13:06
 Operator : MA/JU
 Sample : 05237-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 11TH-ST-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/07/2023

Quant Time: Nov 06 01:43:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:52:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	45286	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	160932	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	95546	20.000	ng	0.00
64) Phenanthrene-d10	17.316	188	212800	20.000	ng	0.00
76) Chrysene-d12	21.498	240	264229	20.000	ng	0.00
86) Perylene-d12	23.915	264	297956	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	263157	93.783	ng	0.00
7) Phenol-d6	7.081	99	325429	84.563	ng	0.00
23) Nitrobenzene-d5	9.110	82	228335	66.141	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	130656	104.740	ng	0.00
45) 2-Fluorobiphenyl	13.186	172	384495	54.149	ng	0.00
79) Terphenyl-d14	19.933	244	706768	45.355	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.781	128	17501	2.105	ng	98
52) Acenaphthene	14.628	154	16735	3.107	ng	97
58) Fluorene	15.610	166	22557	3.184	ng	92
71) Phenanthrene	17.363	178	278182	25.015	ng	100
72) Anthracene	17.451	178	62908	5.711	ng	98
73) Carbazole	17.739	167	32320	3.607	ng	# 96
75) Fluoranthene	19.374	202	380707	29.143	ng	98
78) Pyrene	19.739	202	314225	17.319	ng	99
81) Benzo(a)anthracene	21.480	228	201187	11.967	ng	99
83) Chrysene	21.533	228	170445	9.981	ng	98
87) Indeno(1,2,3-cd)pyrene	26.433	276	82439	4.649	ng	# 91
88) Benzo(b)fluoranthene	23.168	252	203029	12.231	ng	98
89) Benzo(k)fluoranthene	23.215	252	64859m	3.506	ng	
90) Benzo(a)pyrene	23.809	252	135732m	8.305	ng	
91) Dibenzo(a,h)anthracene	26.444	278	23926	5.473	ng	# 81
92) Benzo(g,h,i)perylene	27.233	276	74534	4.769	ng	97

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

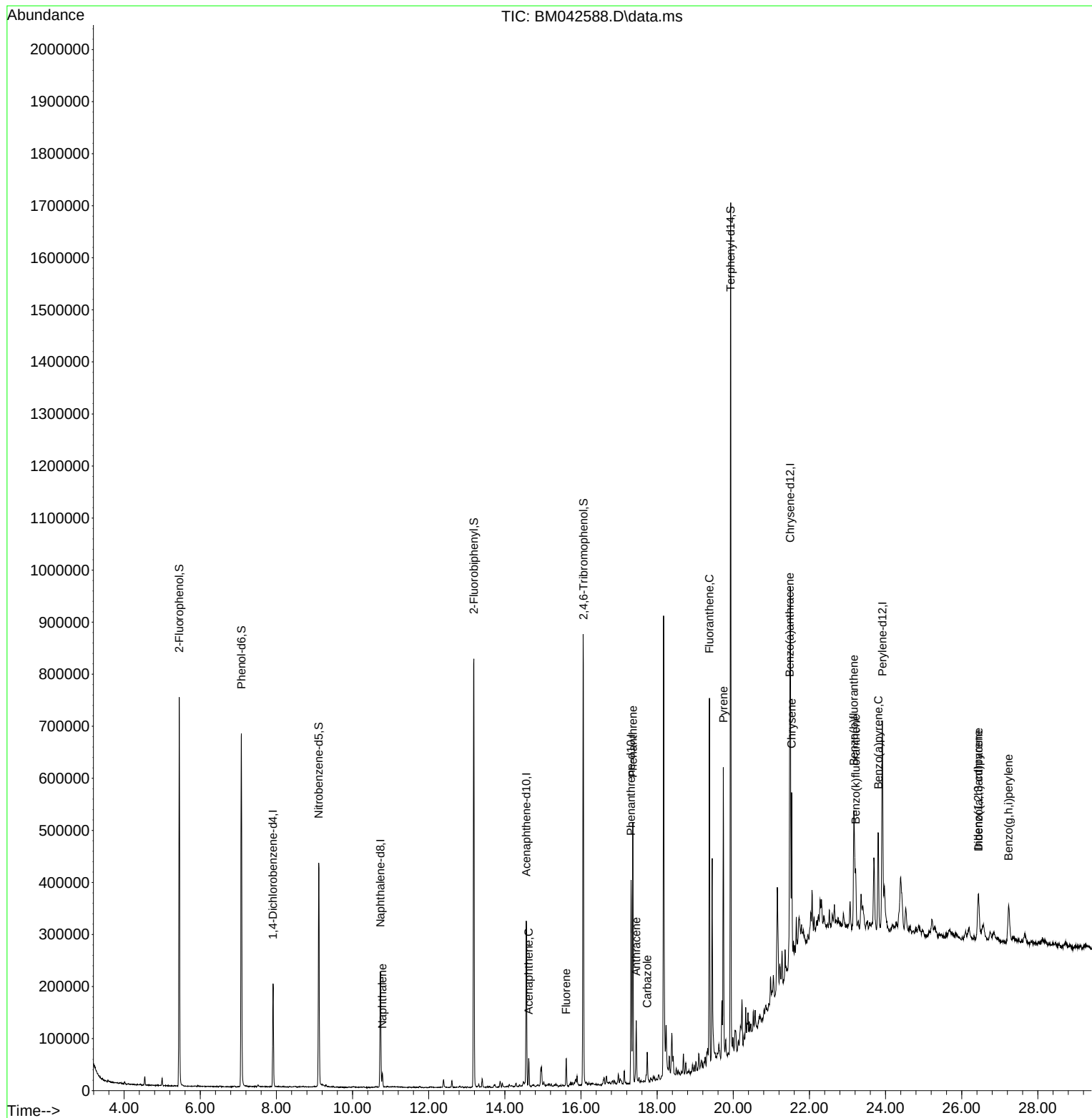
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110423\
Data File : BM042588.D
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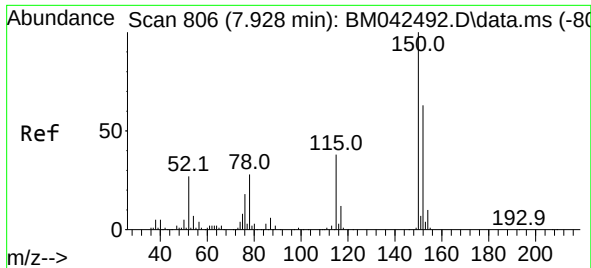
Instrument :
BNA_M
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Quant Time: Nov 06 01:43:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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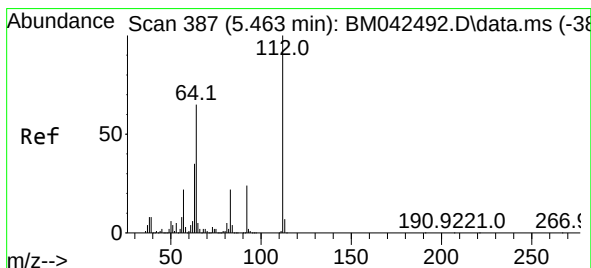
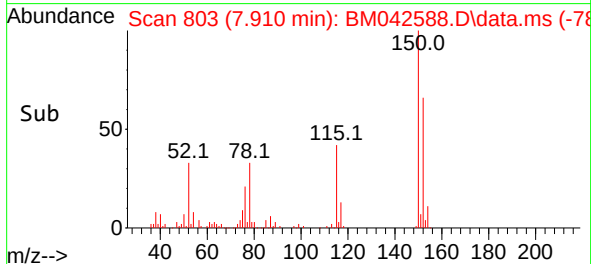
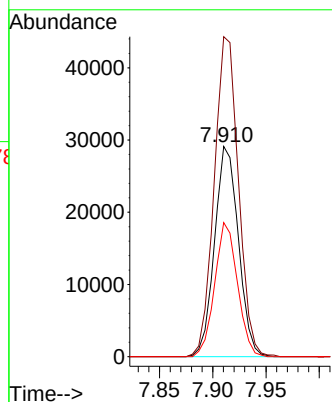
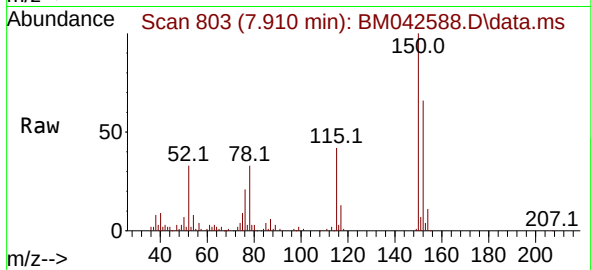
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 806
Delta R.T. 0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Instrument :
BNA_M
ClientSampleId :
11TH-ST-1

Tgt Ion:152 Resp: 45280
Ion Ratio Lower Upper
152 100
150 152.2 127.4 191.0
115 63.8 47.9 71.9

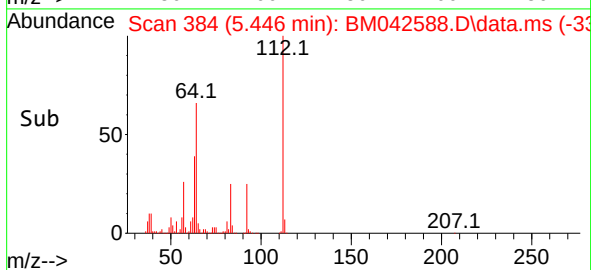
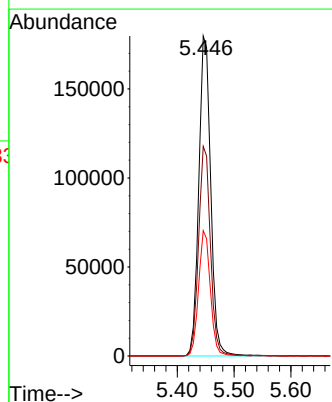
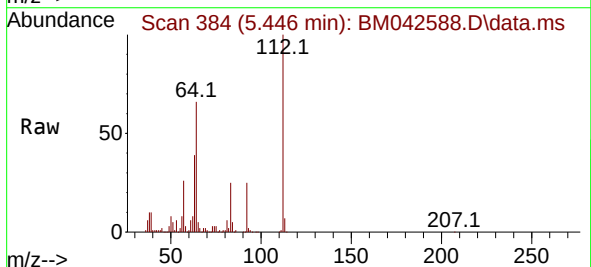
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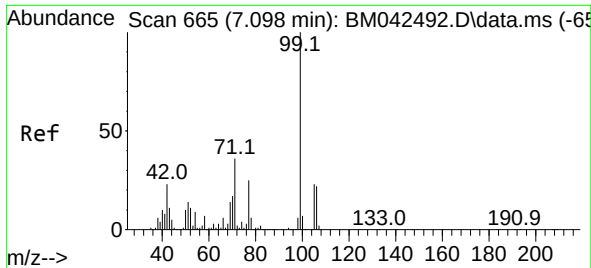
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/07/2023



#5
2-Fluorophenol
Concen: 93.783 ng
RT: 5.446 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Tgt Ion:112 Resp: 263157
Ion Ratio Lower Upper
112 100
64 65.5 52.1 78.1
63 39.1 28.3 42.5





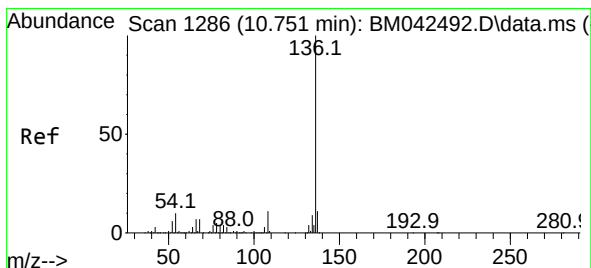
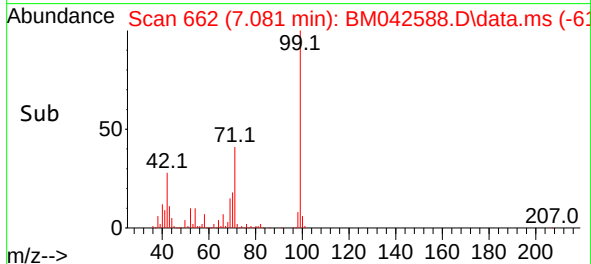
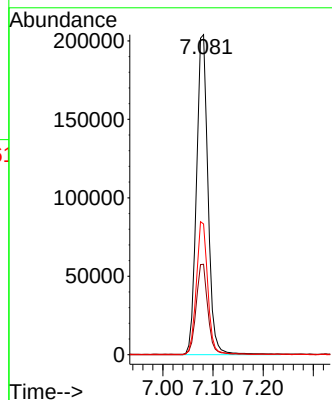
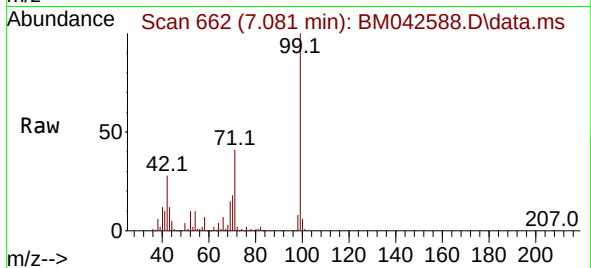
#7
Phenol-d6
Concen: 84.563 ng
RT: 7.081 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Instrument :
BNA_M
ClientSampleId :
11TH-ST-1

Tgt Ion: 99 Resp: 325429
Ion Ratio Lower Upper
99 100
42 28.2 18.7 28.1
71 40.9 29.1 43.7

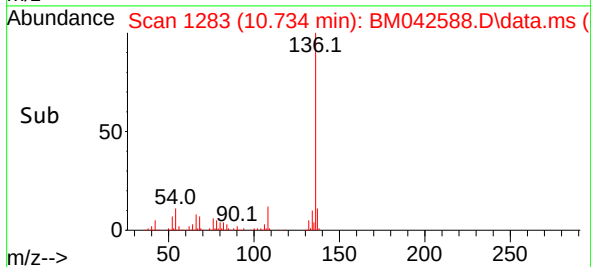
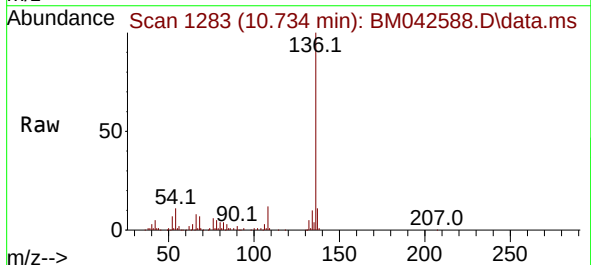
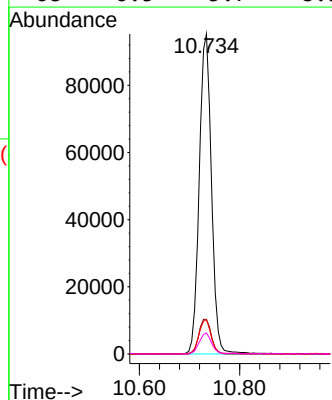
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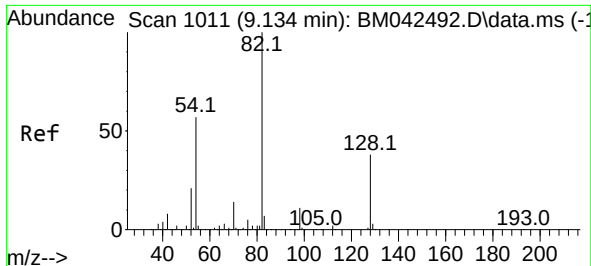
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Tgt Ion:136 Resp: 160932
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 10.7 8.0 12.0
68 6.5 5.7 8.5





#23
Nitrobenzene-d5
Concen: 66.141 ng
RT: 9.110 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Instrument :

BNA_M

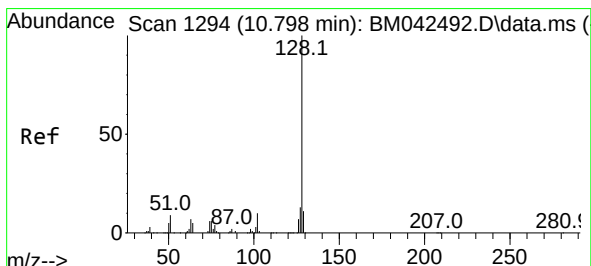
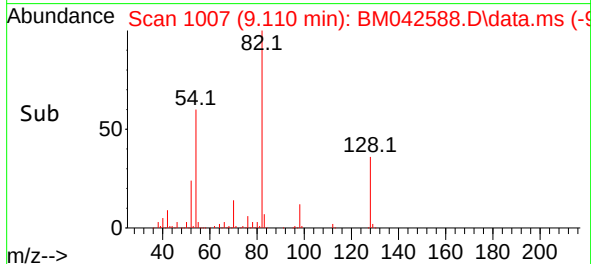
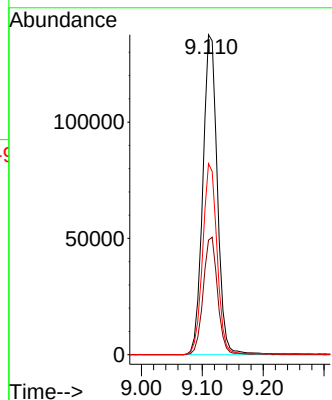
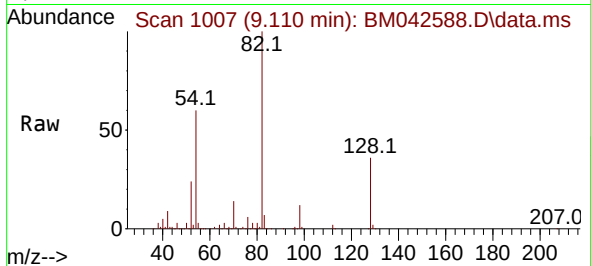
ClientSampleId :

11TH-ST-1

Tgt Ion: 82 Resp: 22833
Ion Ratio Lower Upper
82 100
128 35.8 30.7 46.1
54 59.7 45.3 67.9

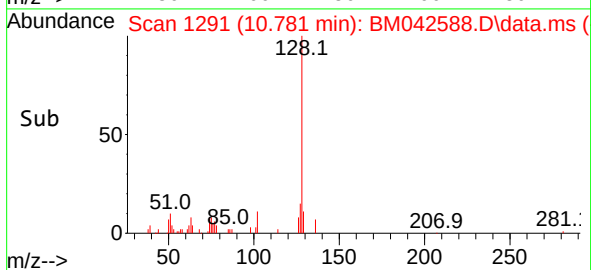
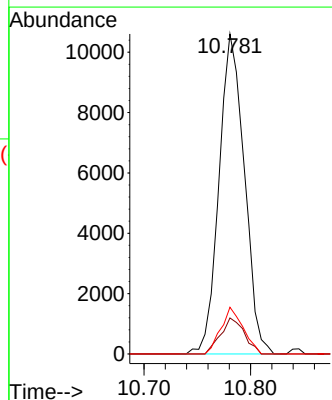
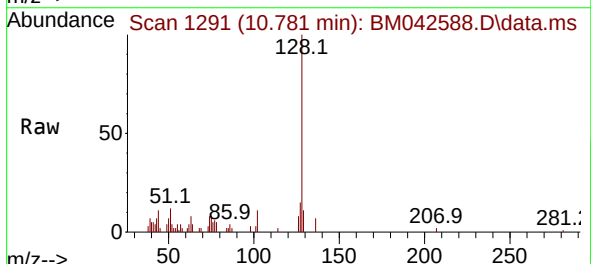
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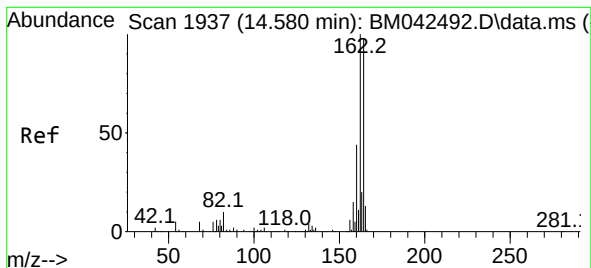
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/07/2023



#31
Naphthalene
Concen: 2.105 ng
RT: 10.781 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Tgt Ion:128 Resp: 17501
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 14.6 10.6 15.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BM042588.D

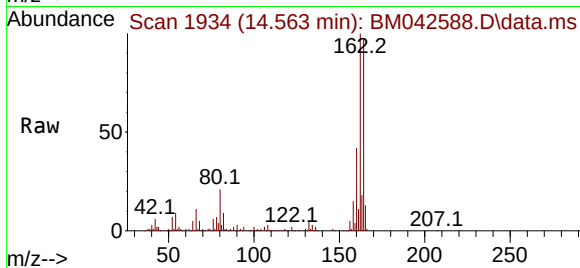
Acq: 04 Nov 2023 13:06

Instrument :

BNA_M

ClientSampleId :

11TH-ST-1



Tgt Ion:164 Resp: 95540

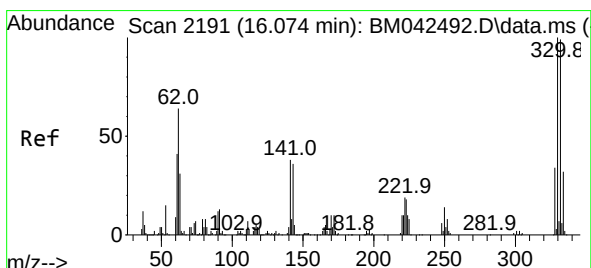
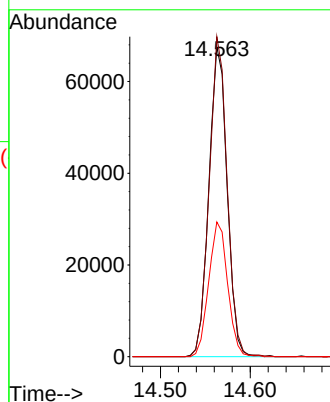
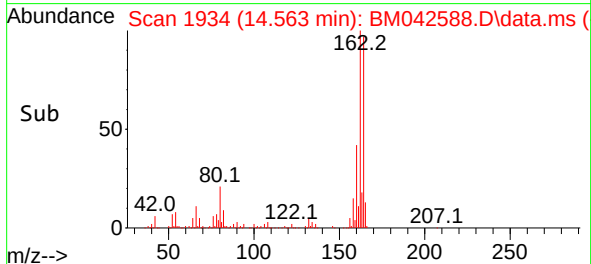
Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.6	122.4
160	43.5	36.2	54.4

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 104.740 ng

RT: 16.063 min Scan# 2189

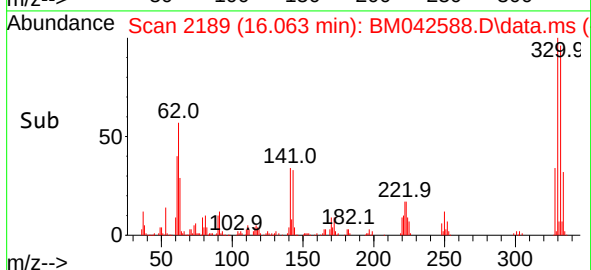
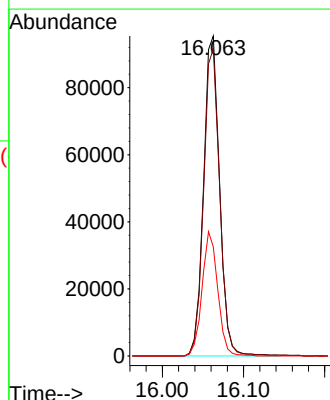
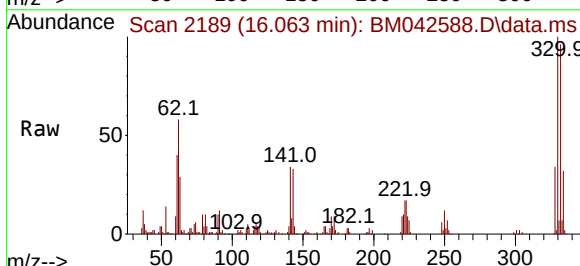
Delta R.T. -0.000 min

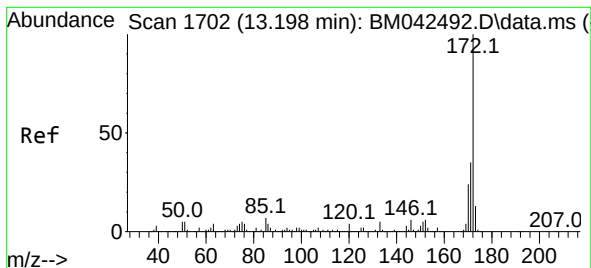
Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

Tgt Ion:330 Resp: 130656

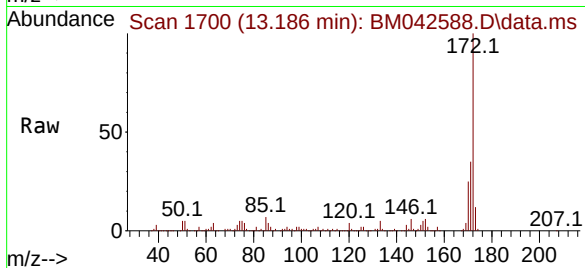
Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.8	118.2
141	37.9	31.1	46.7





#45
2-Fluorobiphenyl
Concen: 54.149 ng
RT: 13.186 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

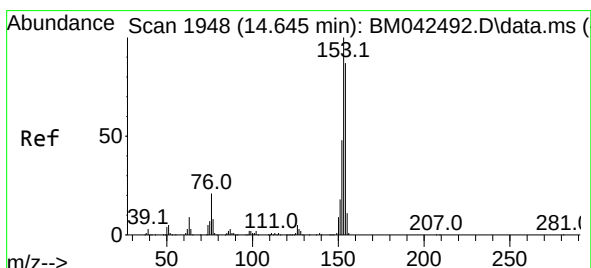
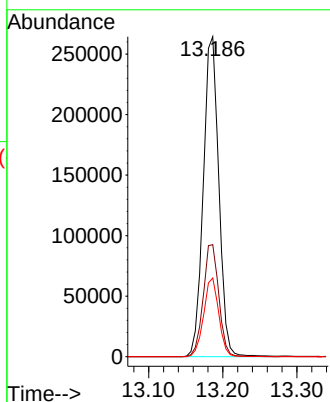
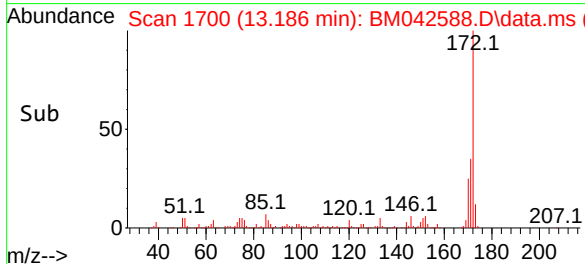
Instrument :
BNA_M
ClientSampleId :
11TH-ST-1



Tgt Ion:172 Resp: 38449
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 24.6 19.0 28.4

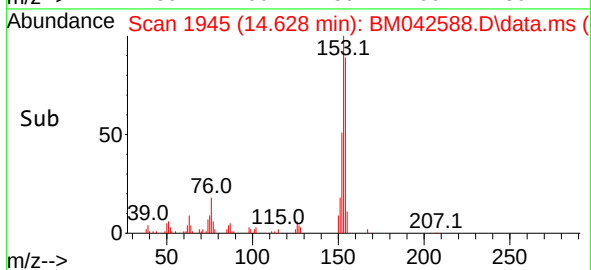
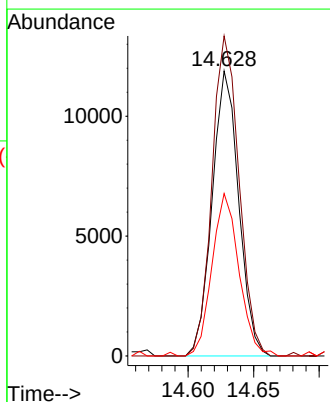
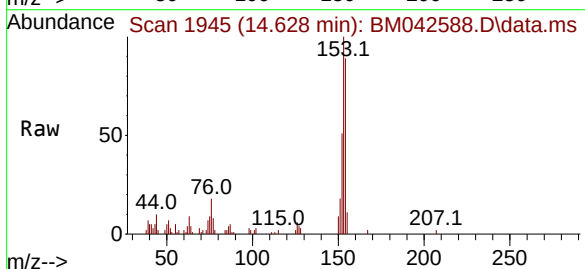
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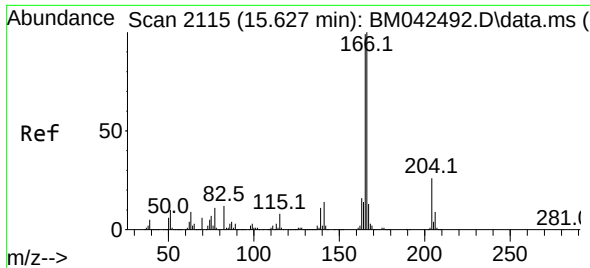
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/07/2023



#52
Acenaphthene
Concen: 3.107 ng
RT: 14.628 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

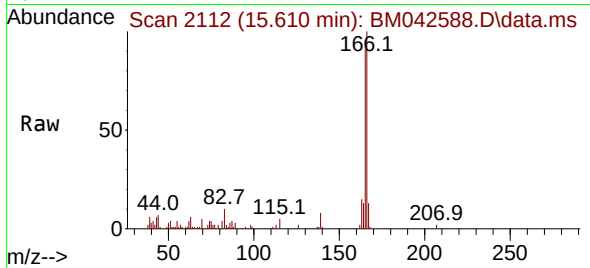
Tgt Ion:154 Resp: 16735
Ion Ratio Lower Upper
154 100
153 112.3 92.0 138.0
152 57.0 44.0 66.0





#58
Fluorene
Concen: 3.184 ng
RT: 15.610 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

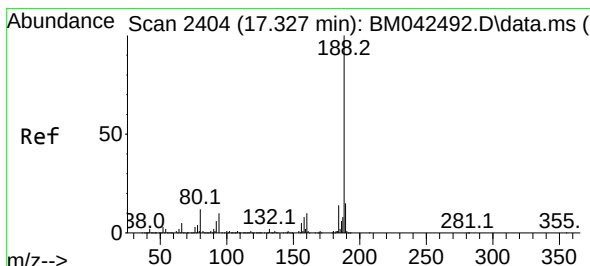
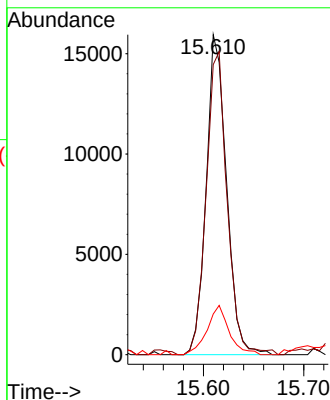
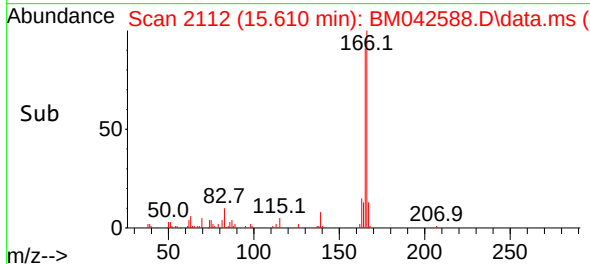
Instrument :
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11TH-ST-1



Tgt Ion:166 Resp: 2255
Ion Ratio Lower Upper
166 100
165 90.7 79.3 118.9
167 12.7 10.5 15.7

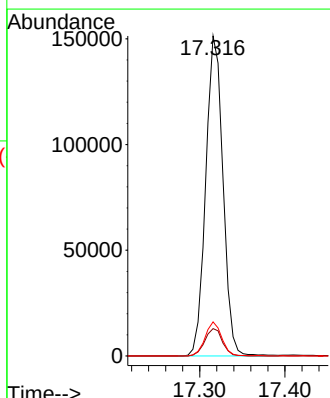
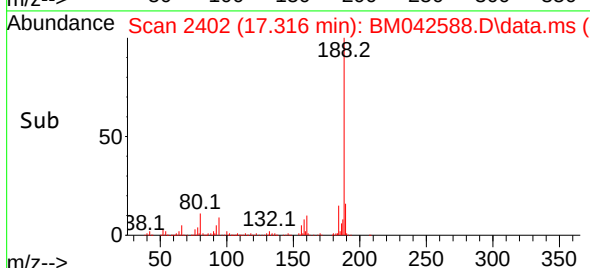
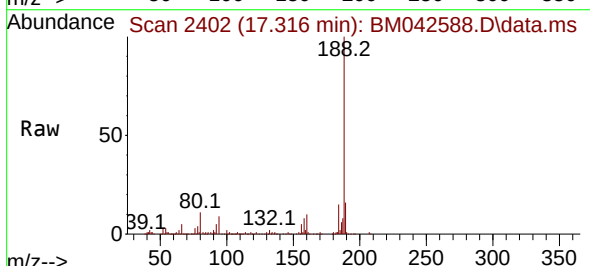
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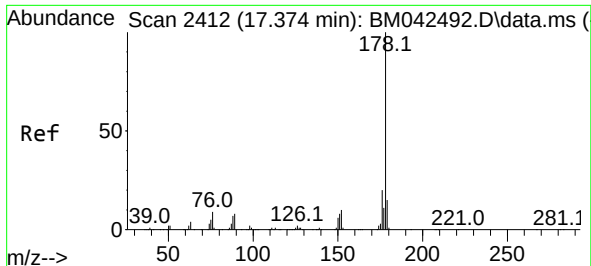
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/07/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.316 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

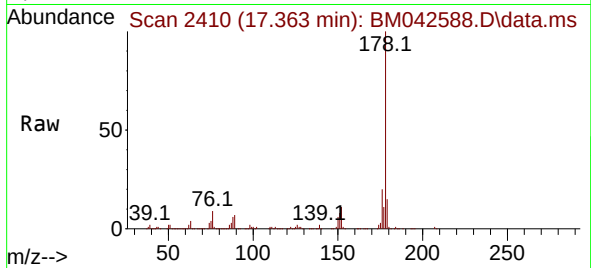
Tgt Ion:188 Resp: 212800
Ion Ratio Lower Upper
188 100
94 8.6 8.2 12.4
80 10.6 9.4 14.2





#71
Phenanthrene
Concen: 25.015 ng
RT: 17.363 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

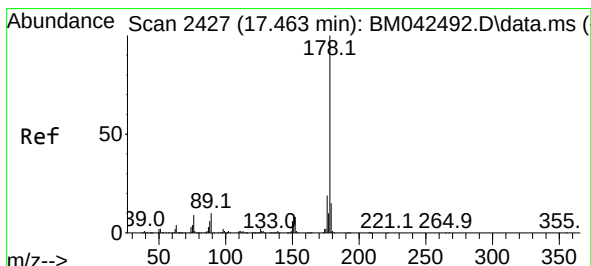
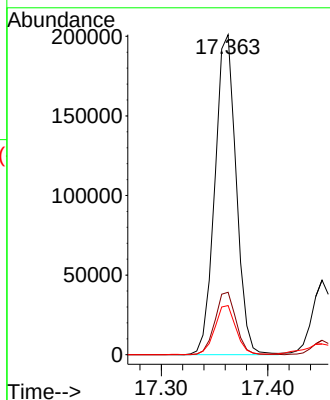
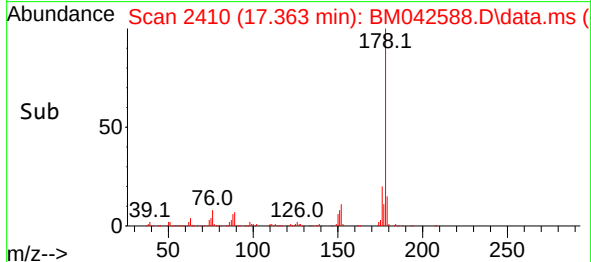
Instrument :
BNA_M
ClientSampleId :
11TH-ST-1



Tgt Ion:178 Resp: 27818
Ion Ratio Lower Upper
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176 19.5 15.8 23.8
179 15.3 12.2 18.4

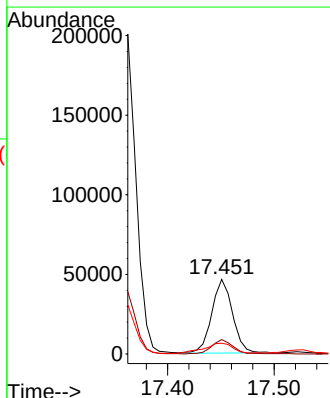
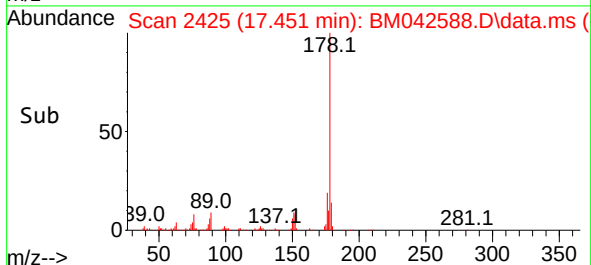
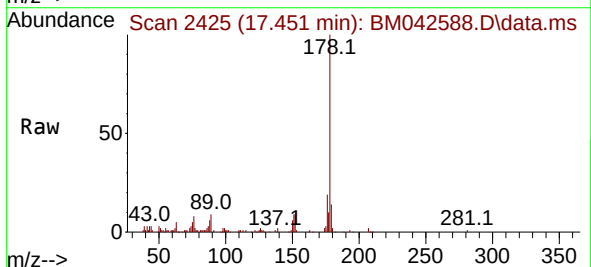
Manual Integrations
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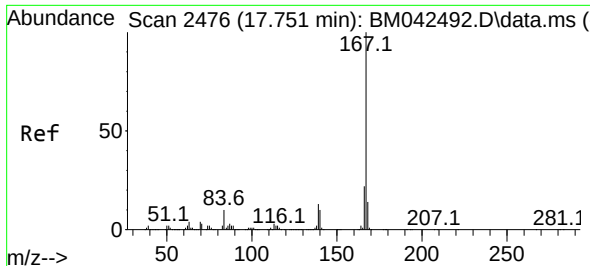
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/07/2023



#72
Anthracene
Concen: 5.711 ng
RT: 17.451 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

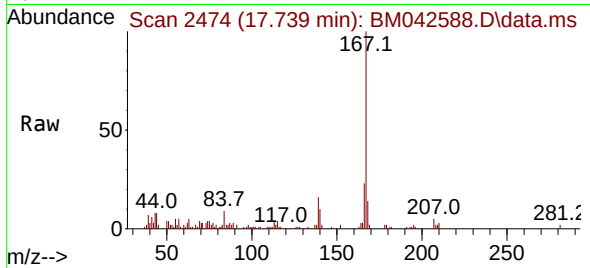
Tgt Ion:178 Resp: 62908
Ion Ratio Lower Upper
178 100
176 19.4 15.2 22.8
179 14.3 12.3 18.5





#73
 Carbazole
 Concen: 3.607 ng
 RT: 17.739 min Scan# 2476
 Delta R.T. -0.000 min
 Lab File: BM042588.D
 Acq: 04 Nov 2023 13:06

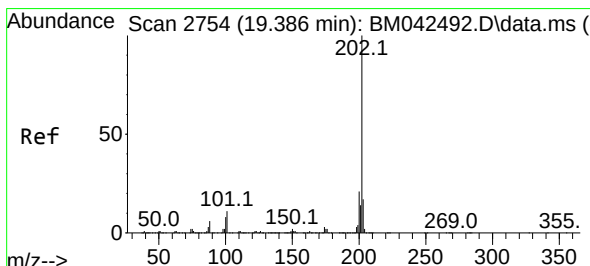
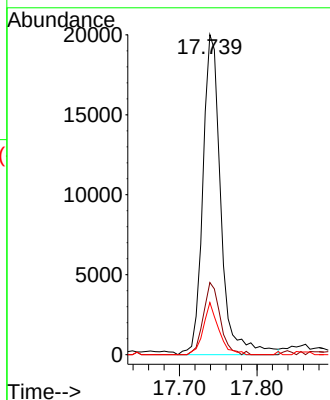
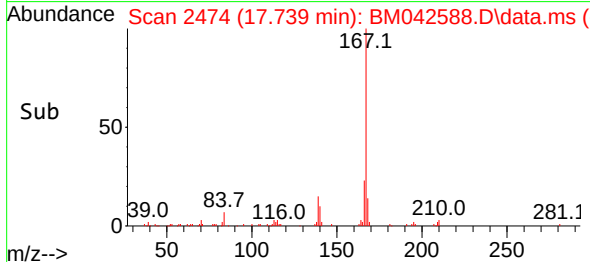
Instrument :
 BNA_M
 ClientSampleId :
 11TH-ST-1



Tgt Ion:167 Resp: 32320
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.4 26.2
 139 16.3 10.5 15.7

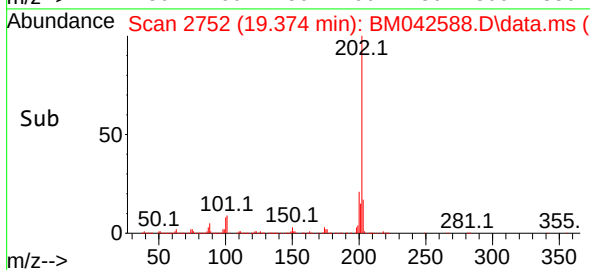
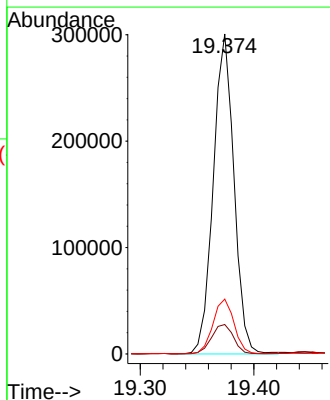
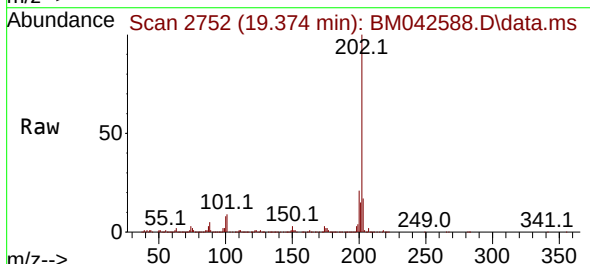
Manual Integrations
 APPROVED

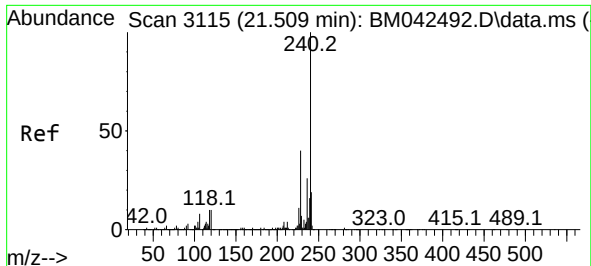
Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/07/2023



#75
 Fluoranthene
 Concen: 29.143 ng
 RT: 19.374 min Scan# 2752
 Delta R.T. -0.000 min
 Lab File: BM042588.D
 Acq: 04 Nov 2023 13:06

Tgt Ion:202 Resp: 380707
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 30.5
 203 17.2 0.0 37.0





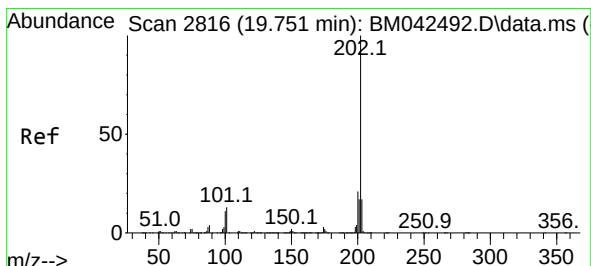
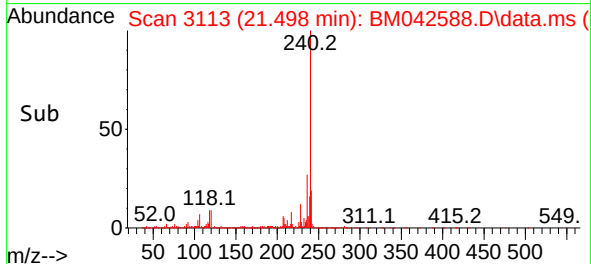
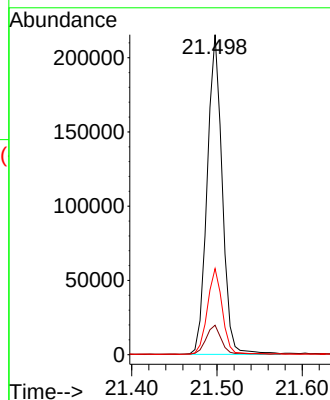
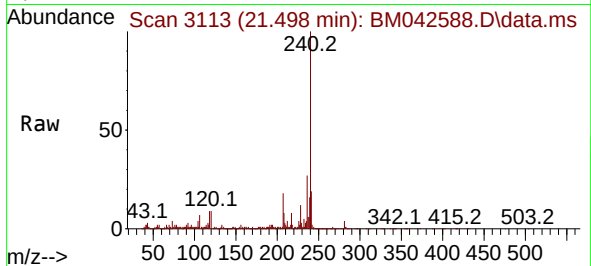
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.498 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Instrument :
BNA_M
ClientSampleId :
11TH-ST-1

Tgt Ion:240 Resp: 264225
Ion Ratio Lower Upper
240 100
120 9.2 8.3 12.5
236 26.9 20.8 31.2

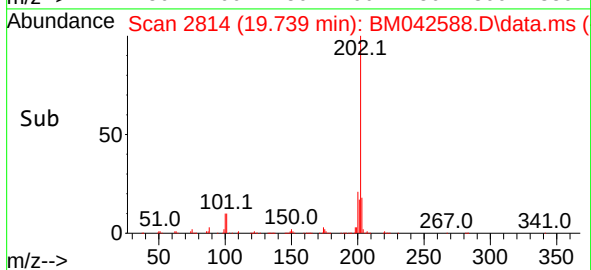
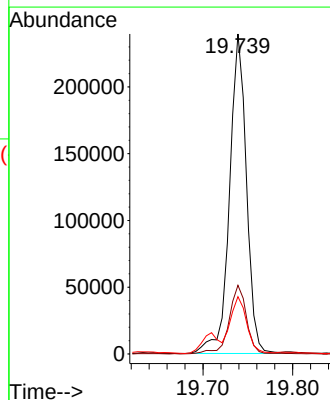
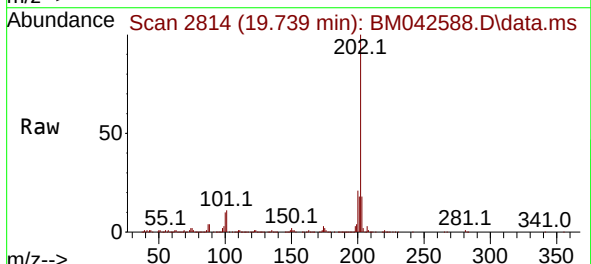
Manual Integrations
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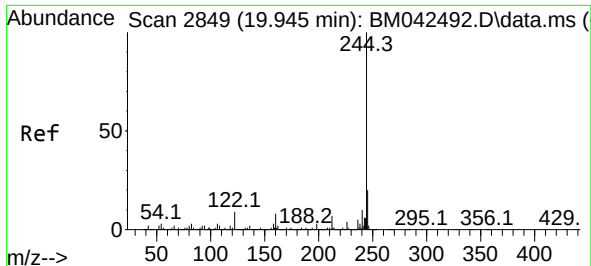
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/07/2023



#78
Pyrene
Concen: 17.319 ng
RT: 19.739 min Scan# 2814
Delta R.T. -0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

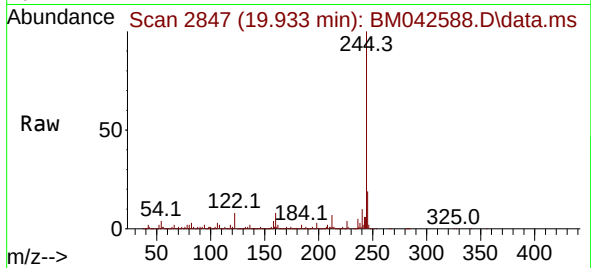
Tgt Ion:202 Resp: 314225
Ion Ratio Lower Upper
202 100
200 21.5 16.9 25.3
203 17.9 13.7 20.5





#79
 Terphenyl-d14
 Concen: 45.355 ng
 RT: 19.933 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM042588.D
 Acq: 04 Nov 2023 13:06

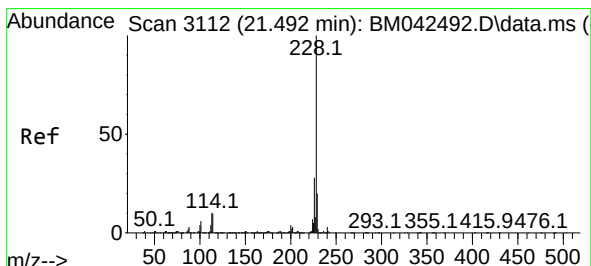
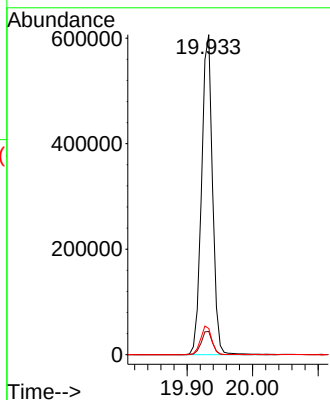
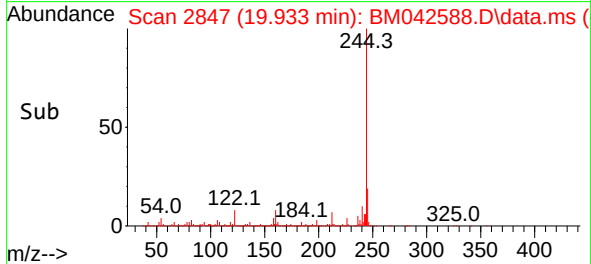
Instrument :
 BNA_M
 ClientSampleId :
 11TH-ST-1



Tgt Ion:244 Resp: 706768
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 8.2 7.2 10.8

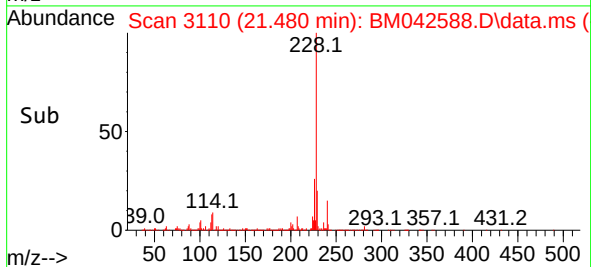
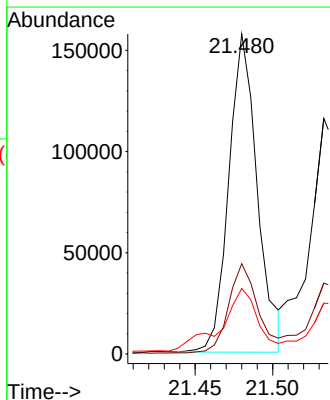
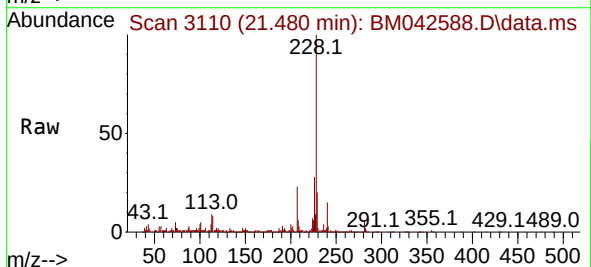
Manual Integrations
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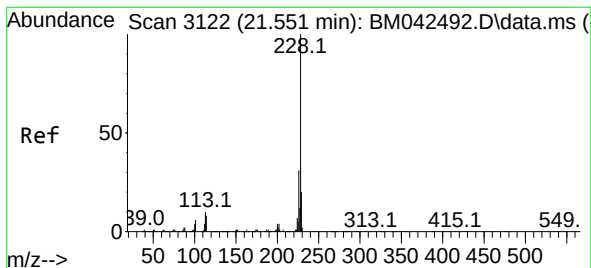
Reviewed By :Yogesh Patel 11/06/2023
 Supervised By :mohammad ahmed 11/07/2023



#81
 Benzo(a)anthracene
 Concen: 11.967 ng
 RT: 21.480 min Scan# 3110
 Delta R.T. -0.006 min
 Lab File: BM042588.D
 Acq: 04 Nov 2023 13:06

Tgt Ion:228 Resp: 201187
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.3 33.5
 229 20.4 15.8 23.8





#83

Chrysene

Concen: 9.981 ng

RT: 21.533 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

Instrument :

BNA_M

ClientSampleId :

11TH-ST-1

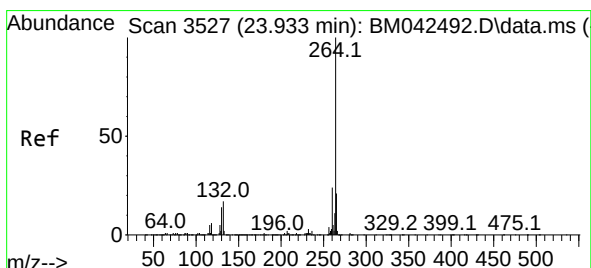
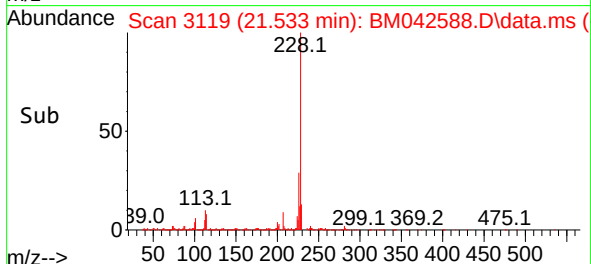
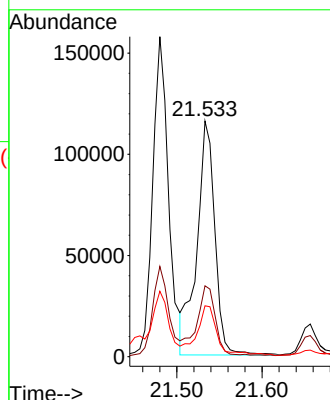
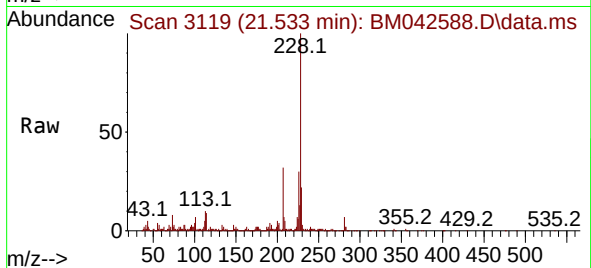
Tgt Ion:	228	Resp:	17044
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.4	36.6
229	21.6	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2023

Supervised By :mohammad ahmed 11/07/2023



#86

Perylene-d12

Concen: 20.000 ng

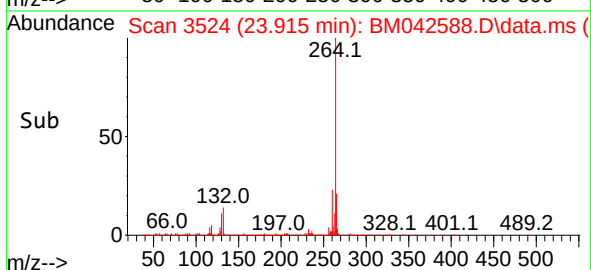
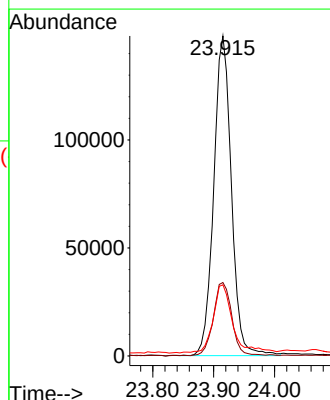
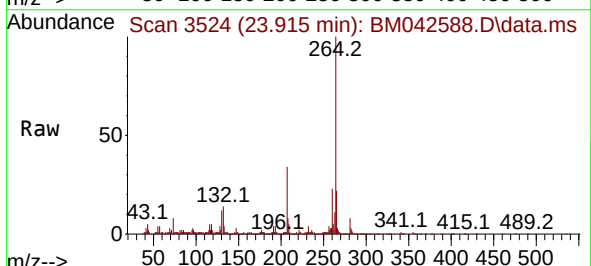
RT: 23.915 min Scan# 3524

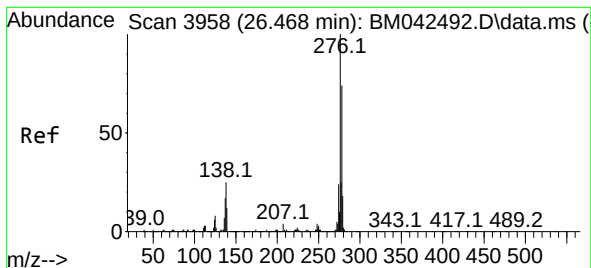
Delta R.T. -0.000 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

Tgt Ion:	264	Resp:	297956
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.0	28.4
265	22.2	18.7	28.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.649 ng

RT: 26.433 min Scan# 3958

Delta R.T. -0.018 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

Instrument :

BNA_M

ClientSampleId :

11TH-ST-1

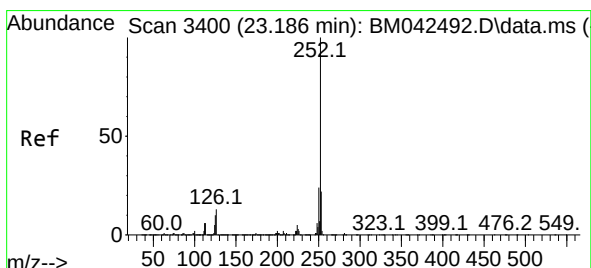
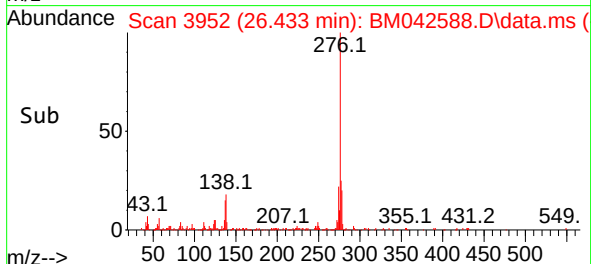
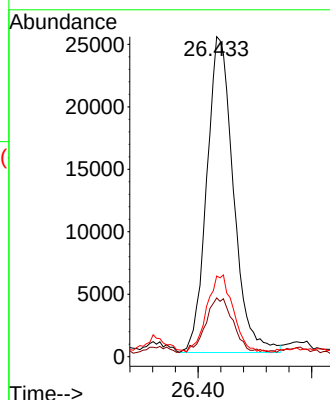
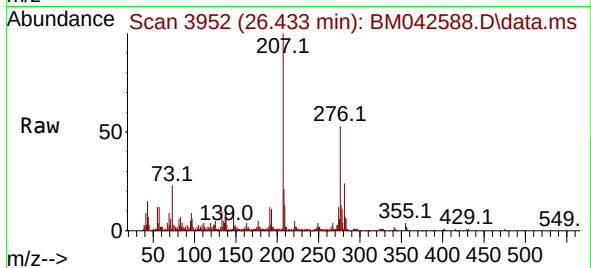
Tgt Ion:	276	Resp:	82439
Ion Ratio	Lower	Upper	
276	100		
138	17.4	20.6	31.0
277	23.9	19.5	29.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2023

Supervised By :mohammad ahmed 11/07/2023



#88

Benzo(b)fluoranthene

Concen: 12.231 ng

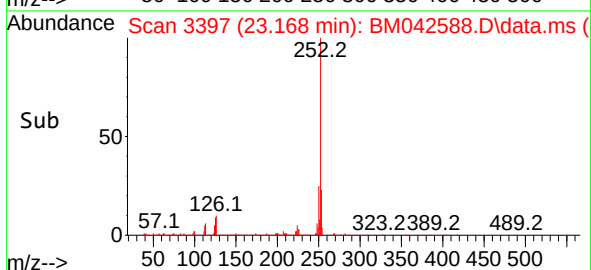
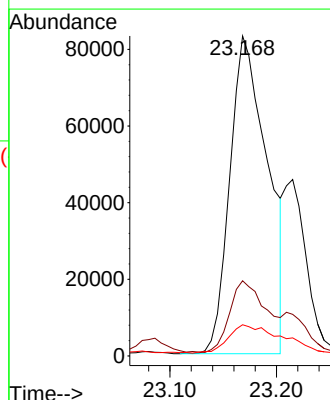
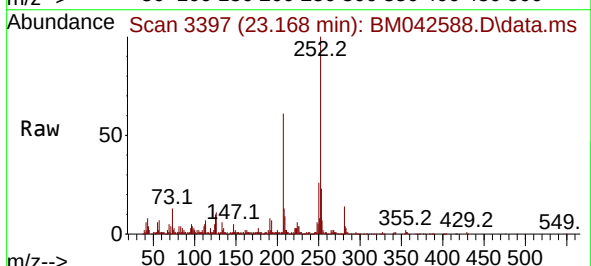
RT: 23.168 min Scan# 3397

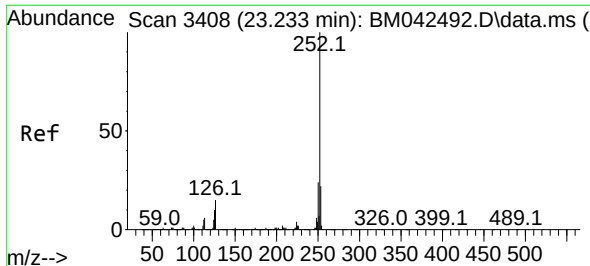
Delta R.T. -0.006 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

Tgt Ion:	252	Resp:	203029
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.5	26.3
125	9.8	7.8	11.6





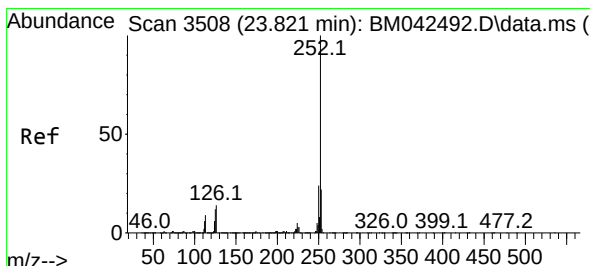
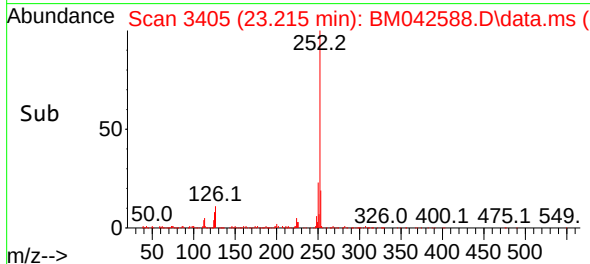
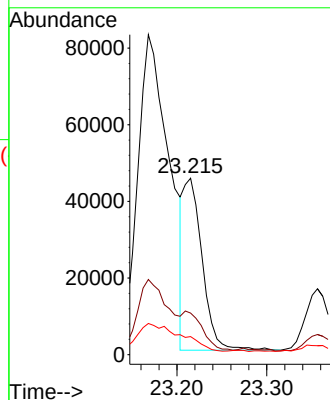
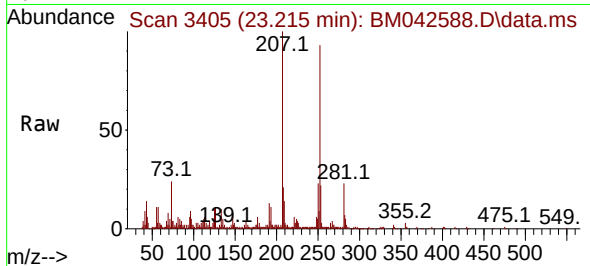
#89
Benzo(k)fluoranthene
Concen: 3.506 ng m
RT: 23.215 min Scan# 3408
Delta R.T. -0.006 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Instrument :
BNA_M
ClientSampleId :
11TH-ST-1

Tgt Ion:252 Resp: 64859
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 10.3 8.2 12.4

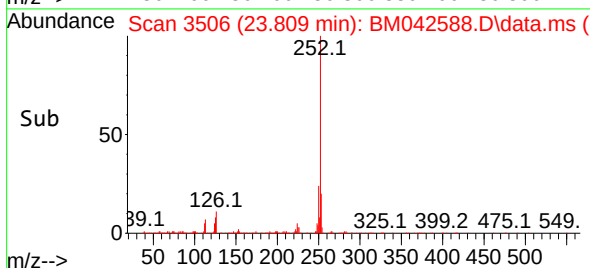
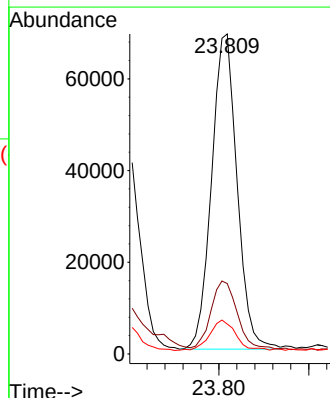
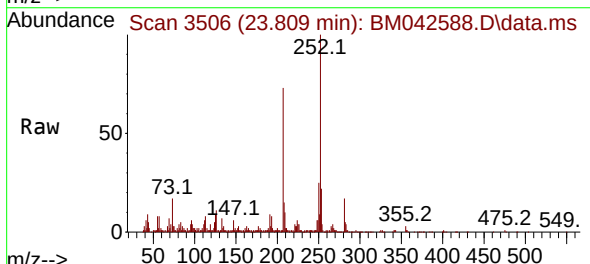
Manual Integrations
APPROVED

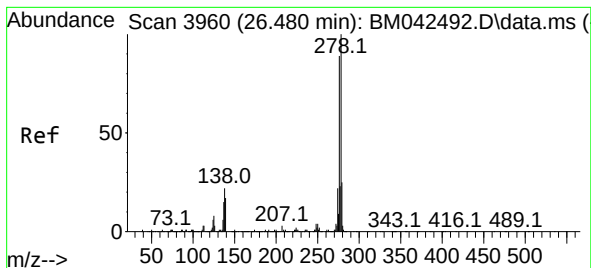
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/07/2023



#90
Benzo(a)pyrene
Concen: 8.305 ng m
RT: 23.809 min Scan# 3506
Delta R.T. -0.000 min
Lab File: BM042588.D
Acq: 04 Nov 2023 13:06

Tgt Ion:252 Resp: 135732
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 9.4 9.4 14.2#





#91

Dibenzo(a,h)anthracene

Concen: 5.473 ng

RT: 26.444 min Scan# 3960

Delta R.T. -0.024 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

Instrument :

BNA_M

ClientSampleId :

11TH-ST-1

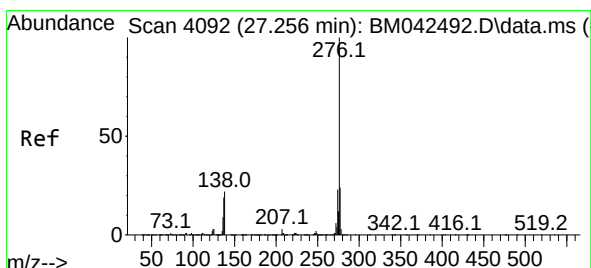
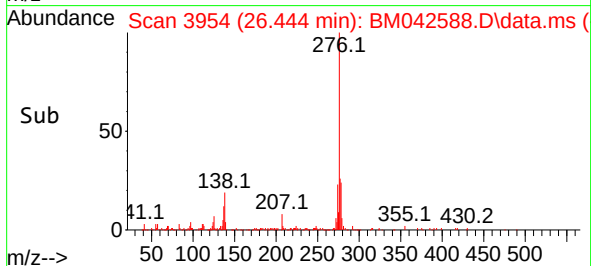
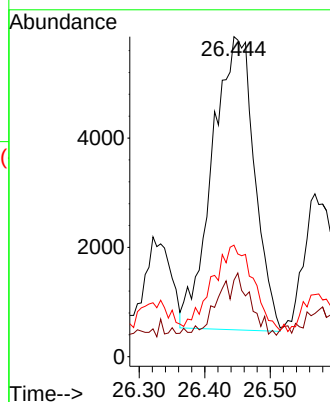
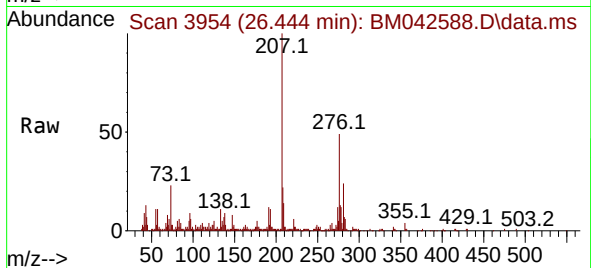
Tgt Ion:	278	Resp:	23920
Ion Ratio	Lower	Upper	
278	100		
139	23.9	13.4	20.2
279	34.8	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2023

Supervised By :mohammad ahmed 11/07/2023



#92

Benzo(g,h,i)perylene

Concen: 4.769 ng

RT: 27.233 min Scan# 4088

Delta R.T. -0.012 min

Lab File: BM042588.D

Acq: 04 Nov 2023 13:06

Tgt Ion:	276	Resp:	74534
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.2	28.8
138	19.6	17.3	25.9

