

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133644.D
 Acq On : 08 Jun 2023 16:39
 Operator : CG\JU
 Sample : 03049-03DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-060523DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/09/2023
 Supervised By :mohammad ahmed 06/13/2023

Quant Time: Jun 08 17:47:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	93898	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	334835	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	141967	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	241758	20.000	ng	# 0.00
76) Chrysene-d12	14.016	240	158319	20.000	ng	0.00
86) Perylene-d12	15.480	264	127482	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	84574	15.028	ng	0.00
7) Phenol-d6	6.457	99	100646	14.528	ng	-0.01
23) Nitrobenzene-d5	7.392	82	57484	11.463	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	19939	14.090	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	121701	13.231	ng	0.00
79) Terphenyl-d14	12.951	244	114388	12.846	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.910	154	22908	2.651	ng	94
58) Fluorene	10.422	166	33351	3.541	ng	94
71) Phenanthrene	11.392	178	291134	23.776	ng	99
72) Anthracene	11.439	178	95874	7.608	ng	97
75) Fluoranthene	12.586	202	564528	41.738	ng	97
78) Pyrene	12.816	202	503683	37.387	ng	98
81) Benzo(a)anthracene	14.004	228	216420	20.520	ng	100
83) Chrysene	14.039	228	168610	15.836	ng	95
87) Indeno(1,2,3-cd)pyrene	16.945	276	84094	10.356	ng	94
88) Benzo(b)fluoranthene	15.051	252	210152m	25.316	ng	
89) Benzo(k)fluoranthene	15.080	252	48767m	6.025	ng	
90) Benzo(a)pyrene	15.421	252	141634	18.750	ng	99
91) Dibenzo(a,h)anthracene	16.957	278	19699	2.992	ng	# 80
92) Benzo(g,h,i)perylene	17.392	276	77939	11.740	ng	95

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

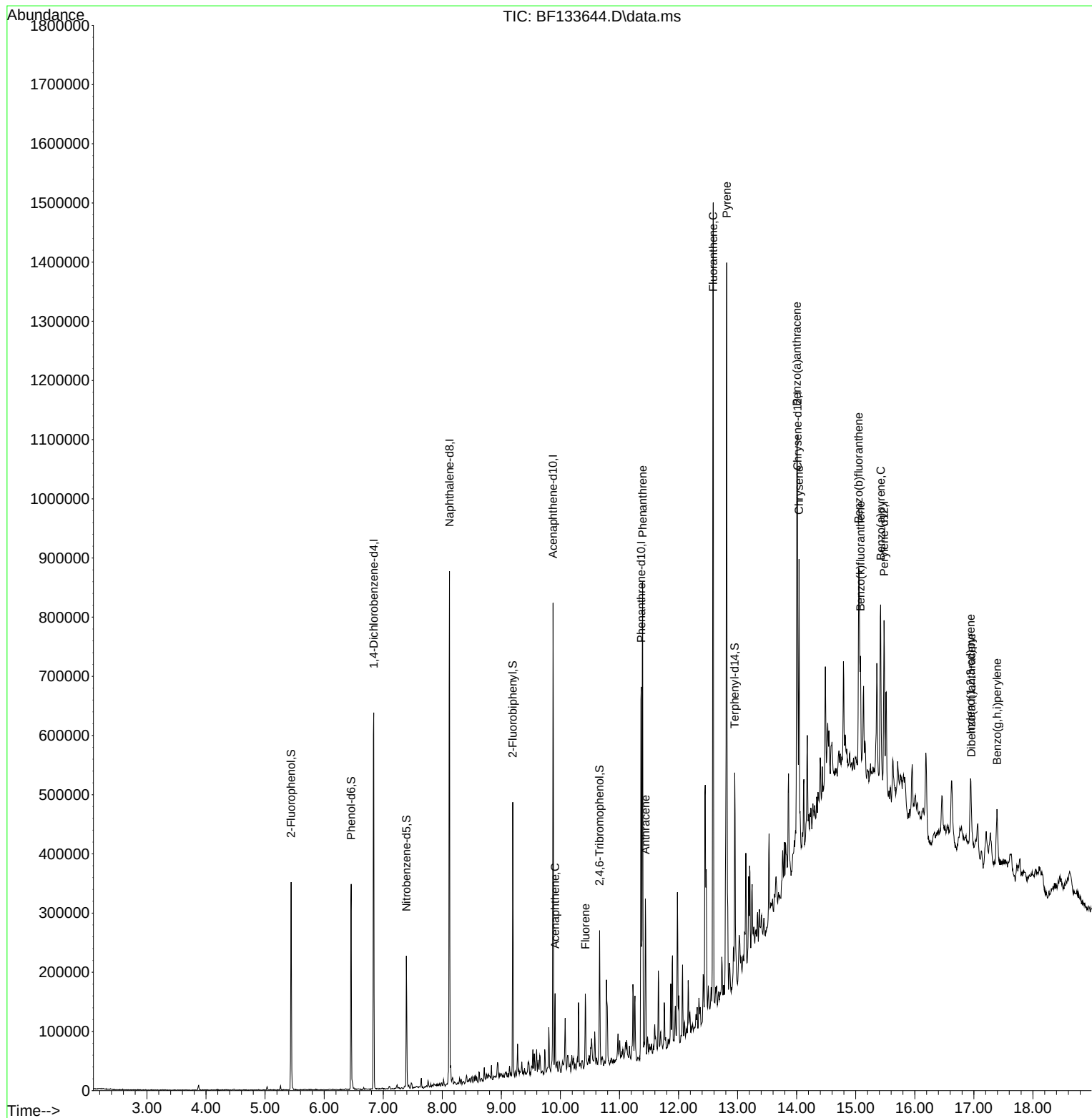
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
Data File : BF133644.D
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ALS Vial : 14 Sample Multiplier: 1

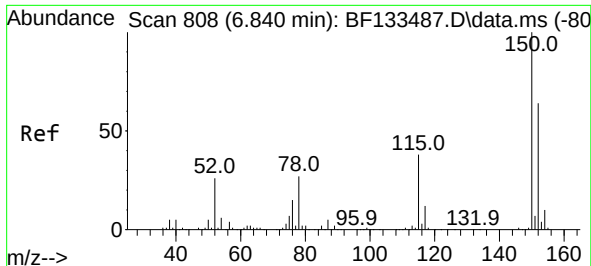
Instrument :
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ClientSampleId :
HR-03-060523DL

Quant Time: Jun 08 17:47:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
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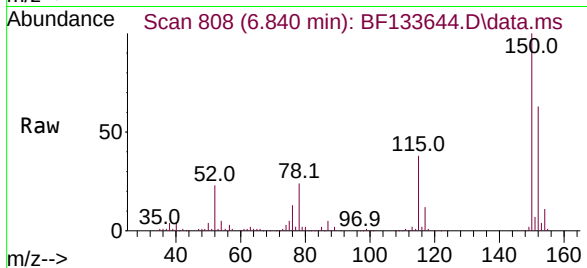
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. 0.001 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-03-060523DL

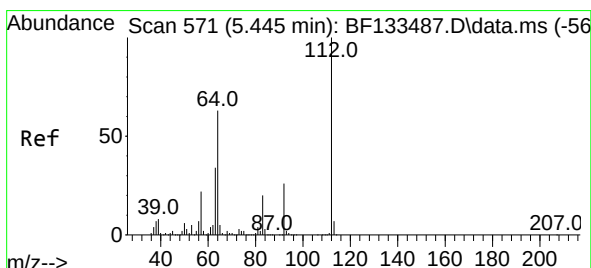
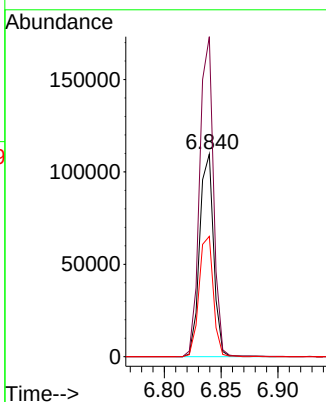
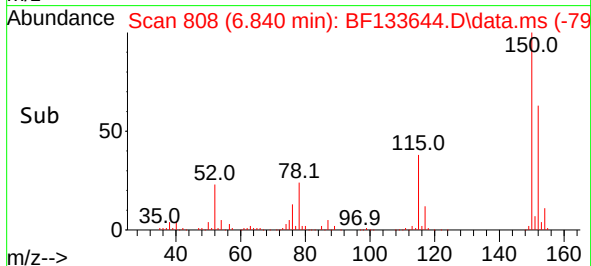


Tgt Ion:152 Resp: 9389
Ion Ratio Lower Upper
152 100
150 158.0 124.9 187.3
115 59.4 48.1 72.1

Manual Integrations

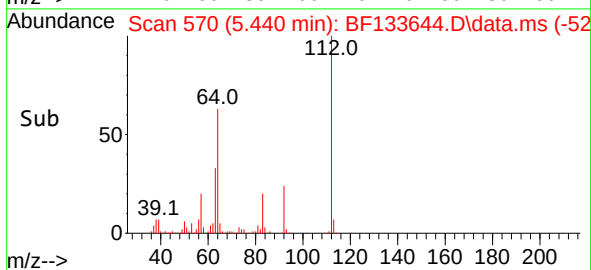
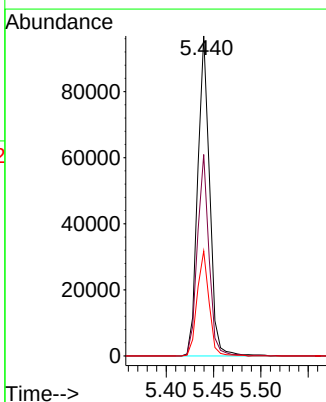
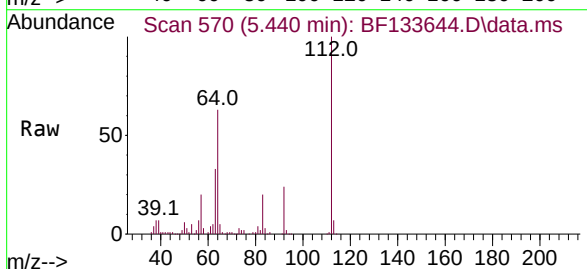
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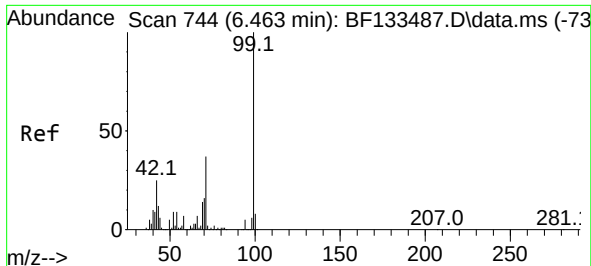
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#5
2-Fluorophenol
Concen: 15.028 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

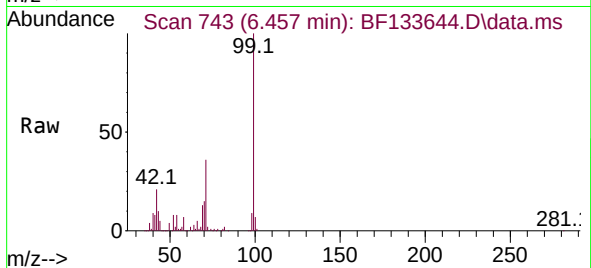
Tgt Ion:112 Resp: 84574
Ion Ratio Lower Upper
112 100
64 63.0 50.1 75.1
63 32.8 27.5 41.3





#7
Phenol-d6
Concen: 14.528 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

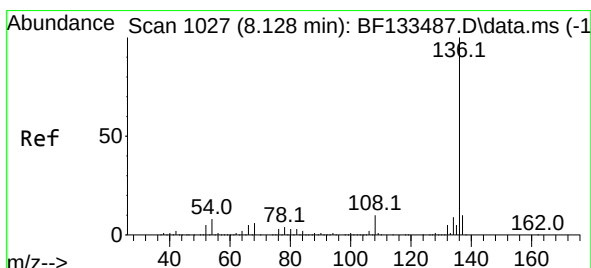
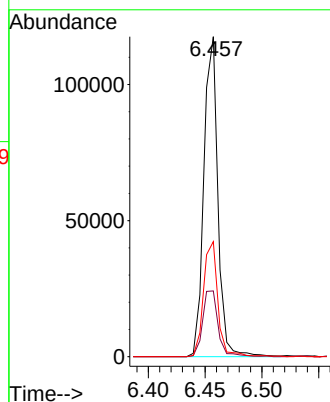
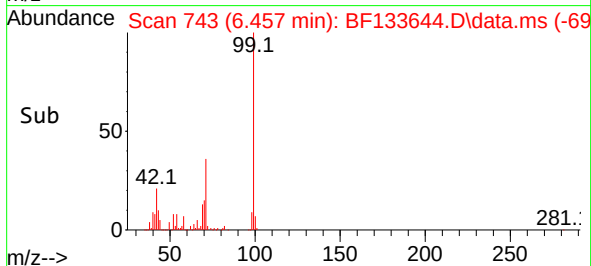
Instrument :
BNA_F
ClientSampleId :
HR-03-060523DL



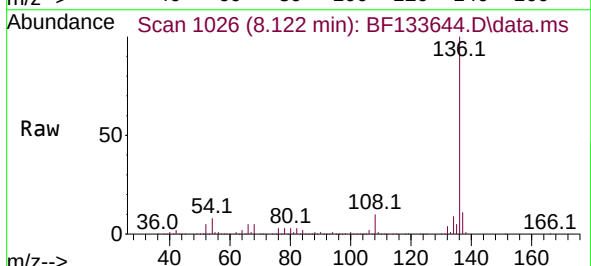
Tgt Ion: 99 Resp: 100640
Ion Ratio Lower Upper
99 100
42 20.6 19.7 29.5
71 35.9 29.8 44.8

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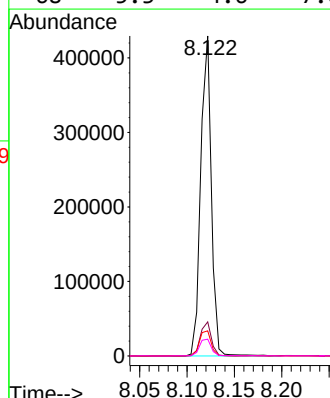
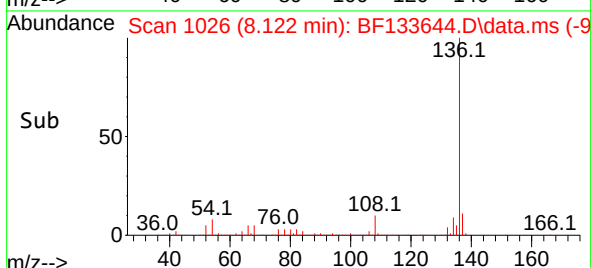
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023

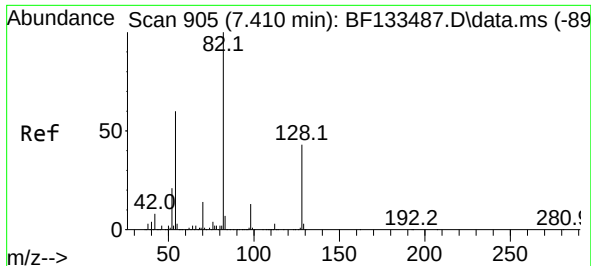


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39



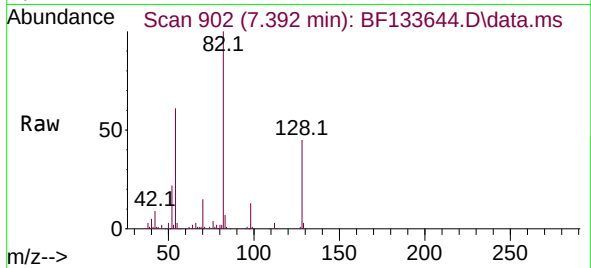
Tgt Ion:136 Resp: 334835
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.4
54 7.9 6.6 10.0
68 5.3 4.6 7.0





#23
Nitrobenzene-d5
Concen: 11.463 ng
RT: 7.392 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

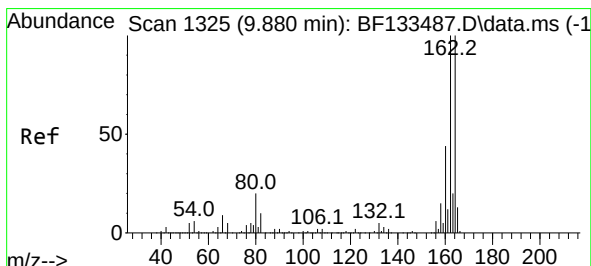
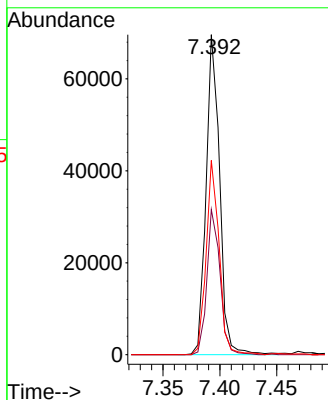
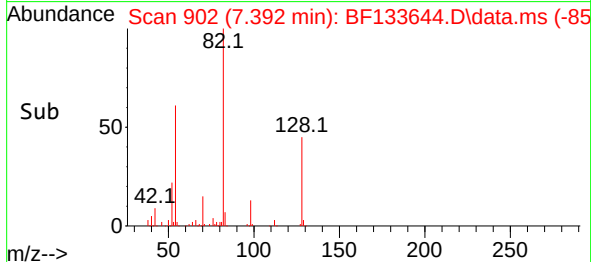
Instrument :
BNA_F
ClientSampleId :
HR-03-060523DL



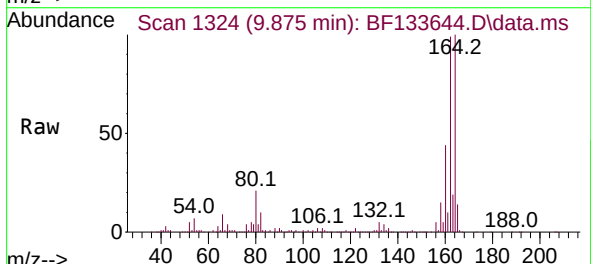
Tgt Ion: 82 Resp: 57484
Ion Ratio Lower Upper
82 100
128 45.4 34.2 51.4
54 60.7 48.2 72.4

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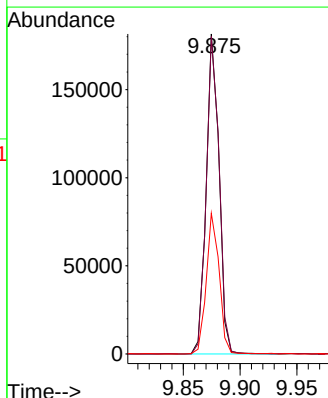
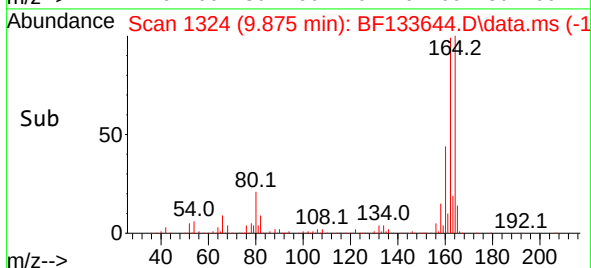
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023

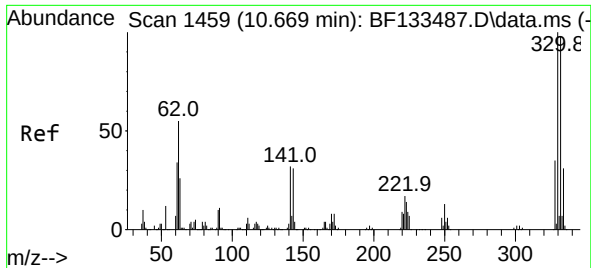


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39



Tgt Ion:164 Resp: 141967
Ion Ratio Lower Upper
164 100
162 99.2 79.7 119.5
160 44.0 35.4 53.0





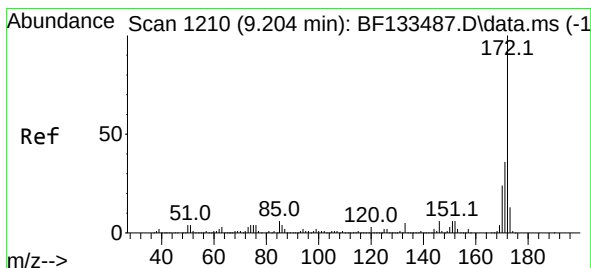
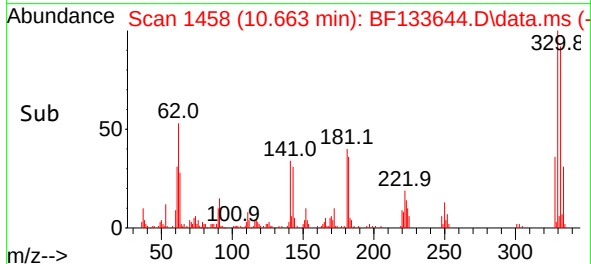
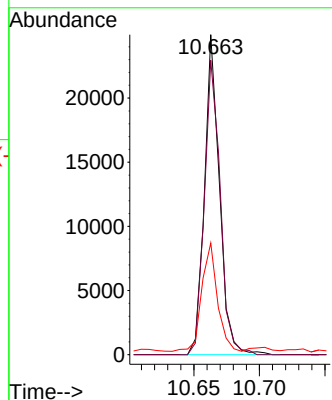
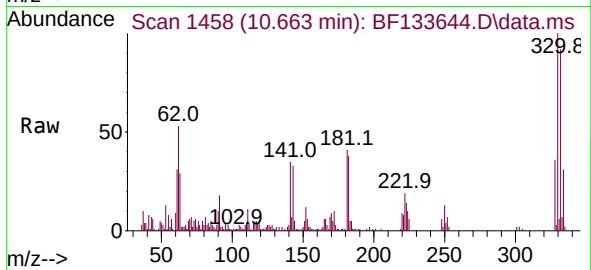
#42
2,4,6-Tribromophenol
Concen: 14.090 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

Instrument :
BNA_F
ClientSampleId :
HR-03-060523DL

Tgt Ion:330 Resp: 19939
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.6
141 35.2 26.6 40.0

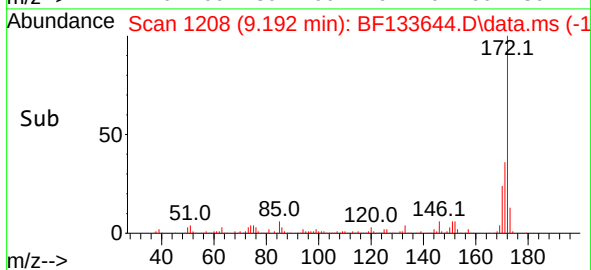
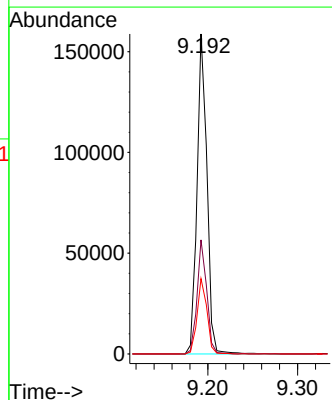
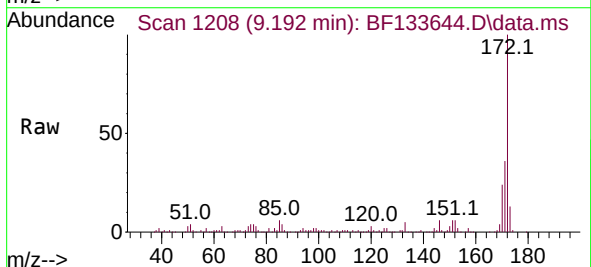
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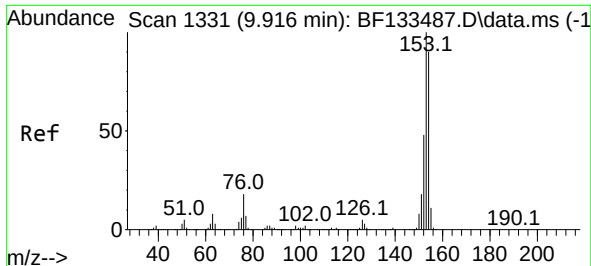
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#45
2-Fluorobiphenyl
Concen: 13.231 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

Tgt Ion:172 Resp: 121701
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.6 19.3 28.9





#52
Acenaphthene
Concen: 2.651 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

Instrument :

BNA_F

ClientSampleId :

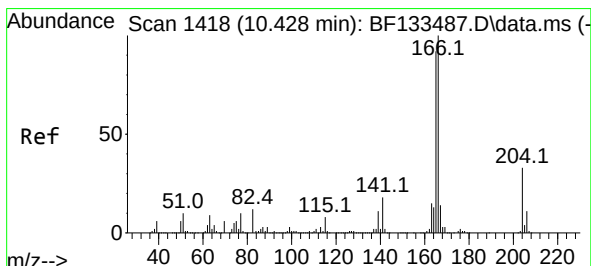
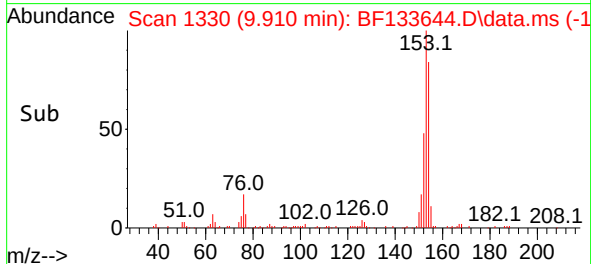
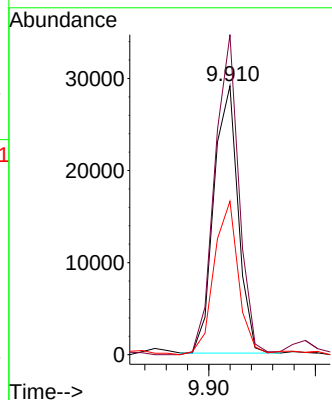
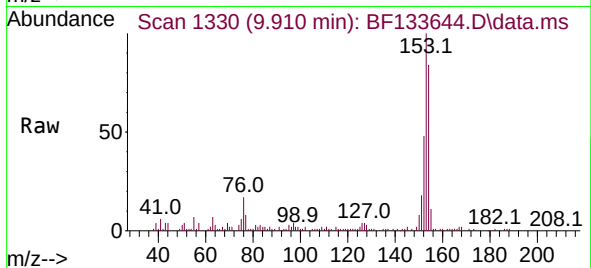
HR-03-060523DL

Tgt Ion:154 Resp: 22908
Ion Ratio Lower Upper
154 100
153 119.0 89.2 133.8
152 57.1 43.1 64.7

Manual Integrations

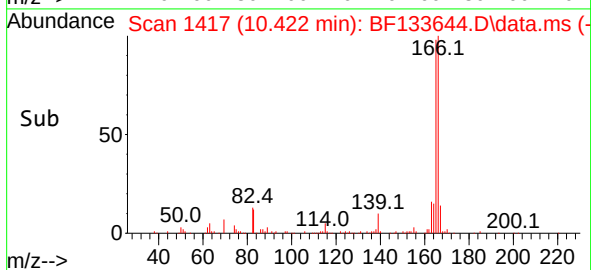
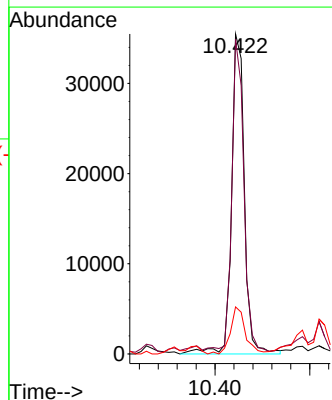
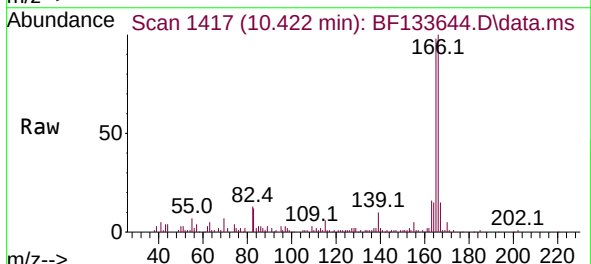
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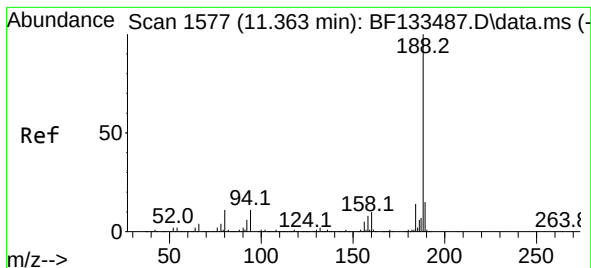
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#58
Fluorene
Concen: 3.541 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

Tgt Ion:166 Resp: 33351
Ion Ratio Lower Upper
166 100
165 98.4 73.4 110.0
167 14.7 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1578

Delta R.T. 0.000 min

Lab File: BF133644.D

Acq: 08 Jun 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-03-060523DL

Tgt Ion:188 Resp: 241758

Ion Ratio Lower Upper

188 100

94 8.2 8.6 12.8

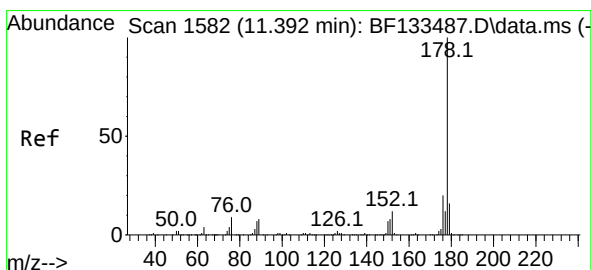
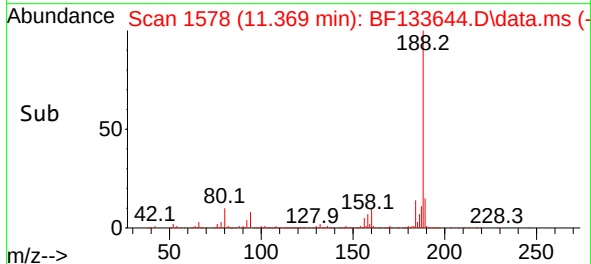
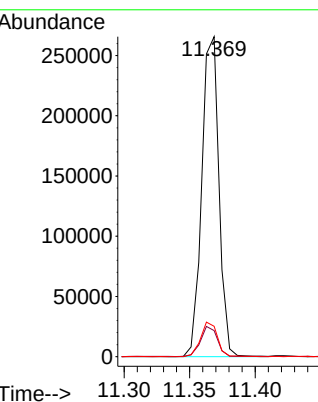
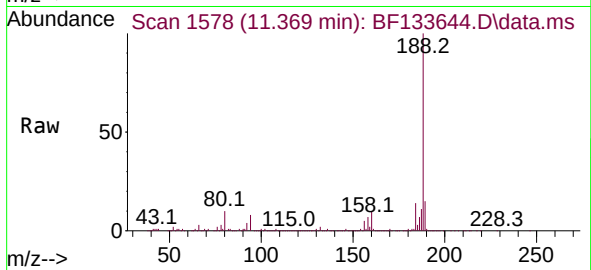
80 9.5 9.2 13.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/09/2023

Supervised By :mohammad ahmed 06/13/2023



#71

Phenanthrene

Concen: 23.776 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.000 min

Lab File: BF133644.D

Acq: 08 Jun 2023 16:39

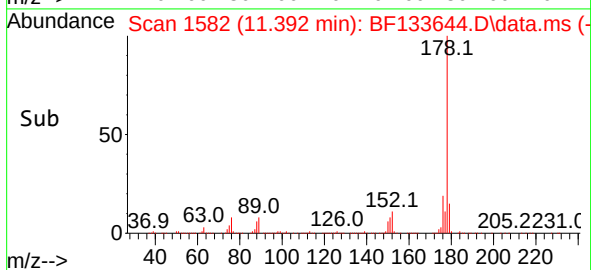
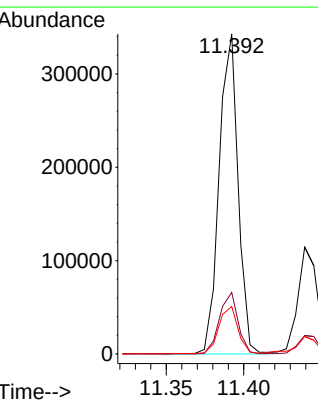
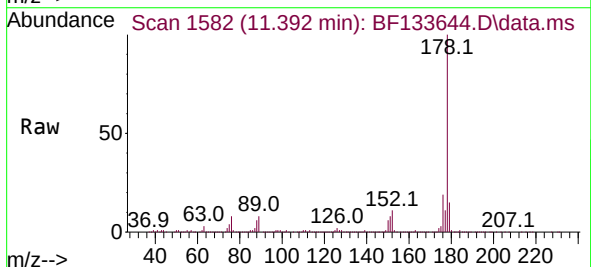
Tgt Ion:178 Resp: 291134

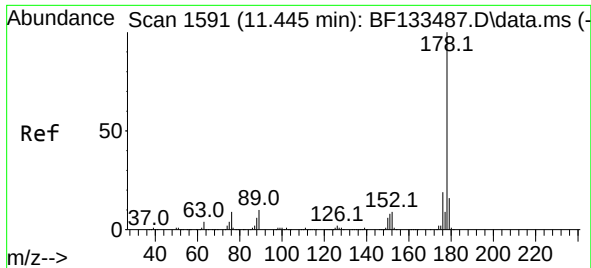
Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

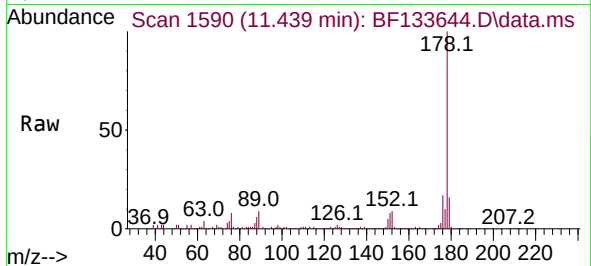
179 14.9 12.4 18.6





#72
 Anthracene
 Concen: 7.608 ng
 RT: 11.439 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133644.D
 Acq: 08 Jun 2023 16:39

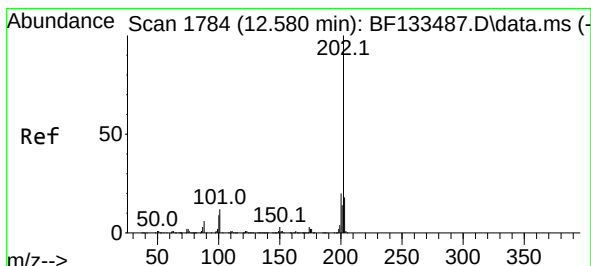
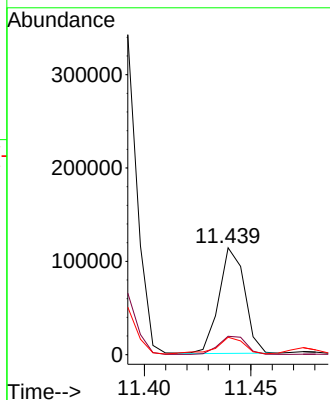
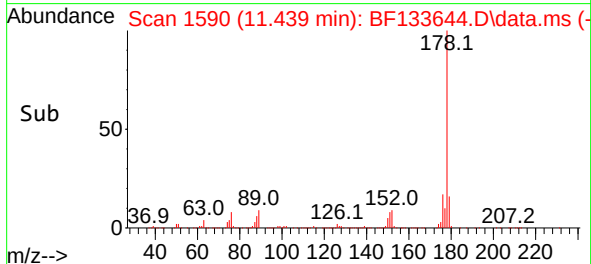
Instrument :
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 ClientSampleId :
 HR-03-060523DL



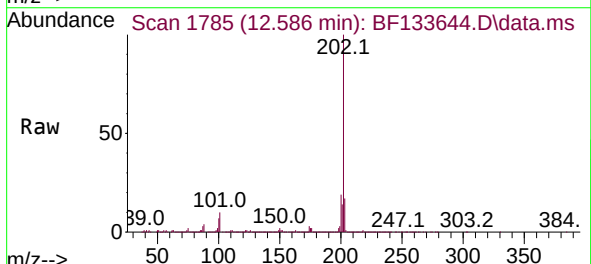
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 Ion Ratio Lower Upper
 178 100
 176 17.2 15.3 22.9
 179 16.3 12.6 18.8

Manual Integrations
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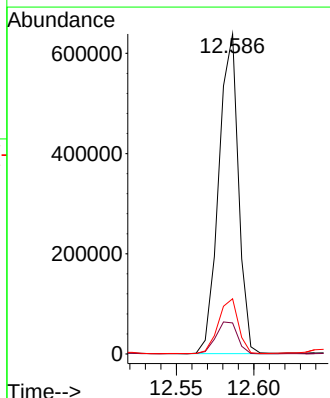
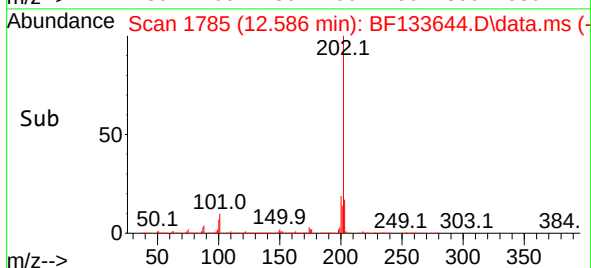
Reviewed By :Yogesh Patel 06/09/2023
 Supervised By :mohammad ahmed 06/13/2023

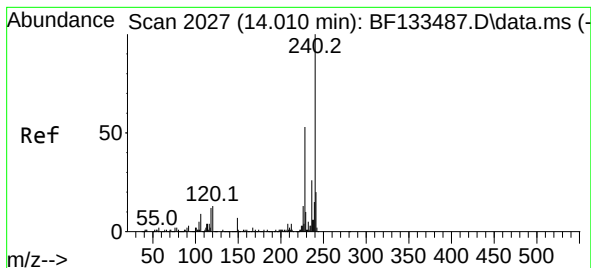


#75
 Fluoranthene
 Concen: 41.738 ng
 RT: 12.586 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: BF133644.D
 Acq: 08 Jun 2023 16:39



Tgt Ion:202 Resp: 564528
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 32.2
 203 17.3 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF133644.D

Acq: 08 Jun 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-03-060523DL

Tgt Ion:240 Resp: 158319

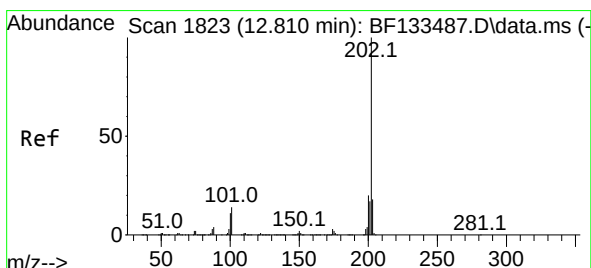
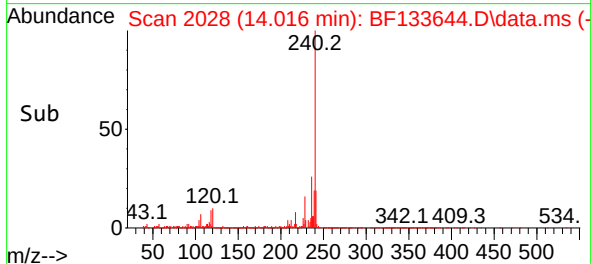
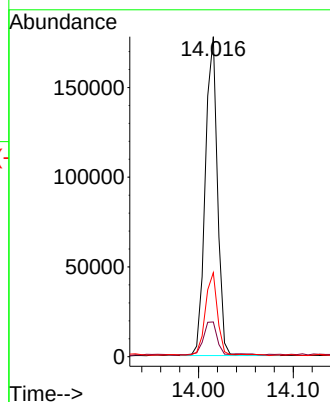
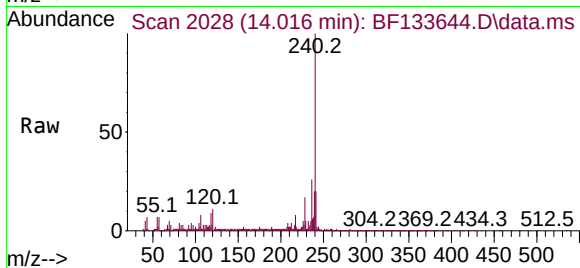
Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.3	15.5
236	26.2	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/09/2023

Supervised By :mohammad ahmed 06/13/2023



#78

Pyrene

Concen: 37.387 ng

RT: 12.816 min Scan# 1824

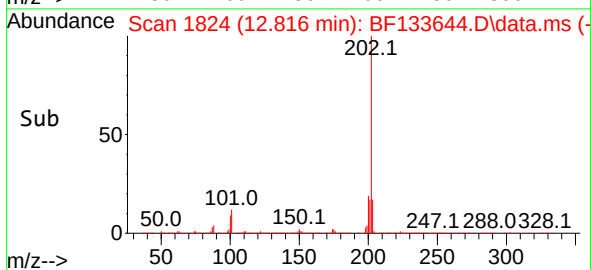
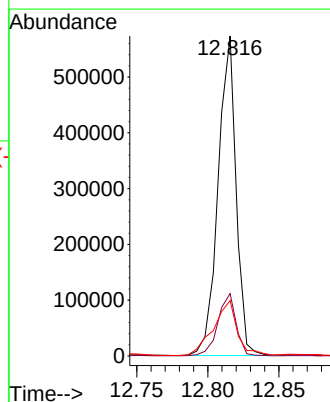
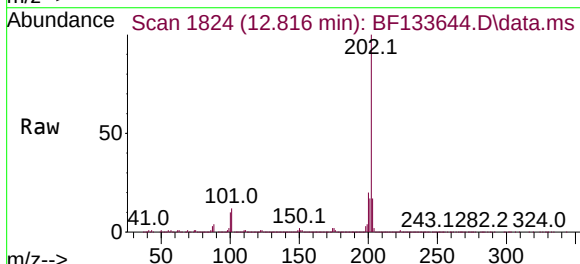
Delta R.T. 0.000 min

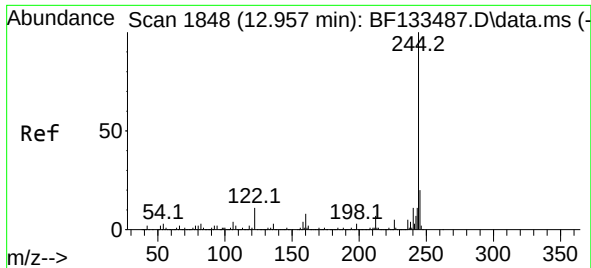
Lab File: BF133644.D

Acq: 08 Jun 2023 16:39

Tgt Ion:202 Resp: 503683

Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.3	24.5
203	17.3	14.3	21.5





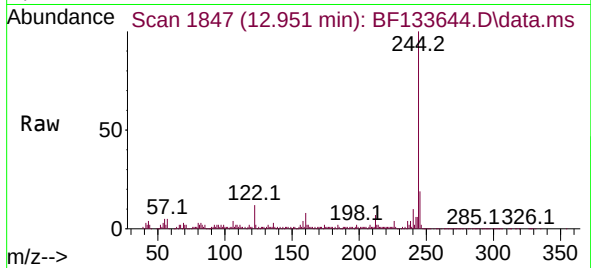
#79
 Terphenyl-d14
 Concen: 12.846 ng
 RT: 12.951 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF133644.D
 Acq: 08 Jun 2023 16:39

Instrument :

BNA_F

ClientSampleId :

HR-03-060523DL



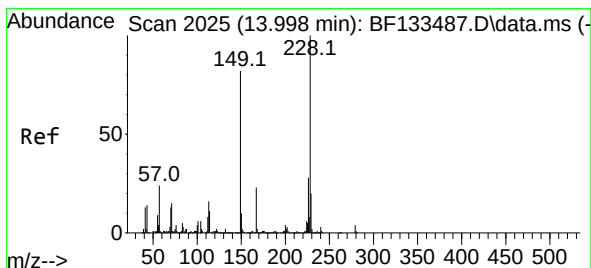
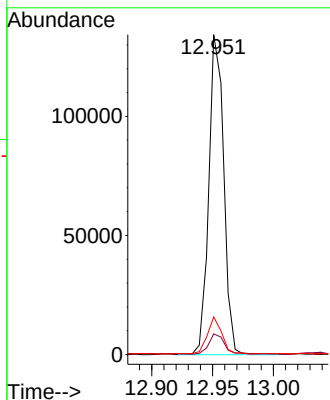
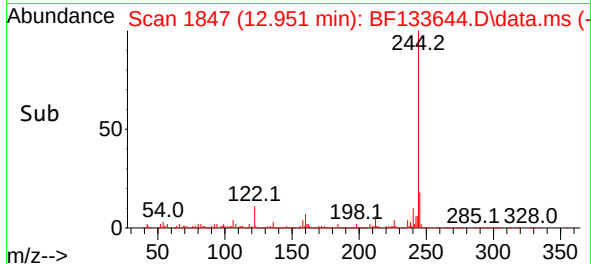
Tgt Ion:244 Resp: 114388
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 11.8 8.5 12.7

Manual Integrations

APPROVED

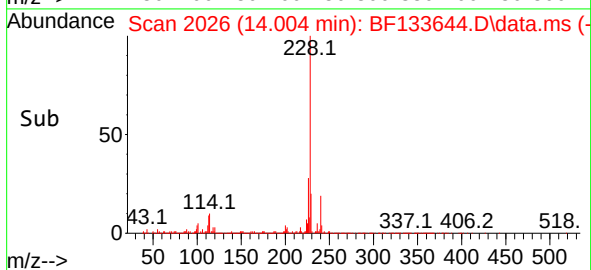
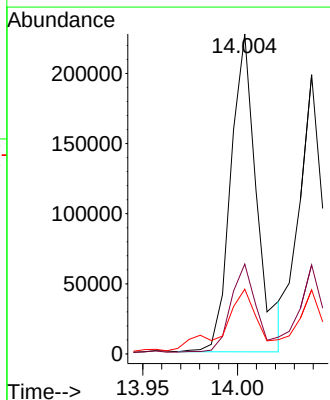
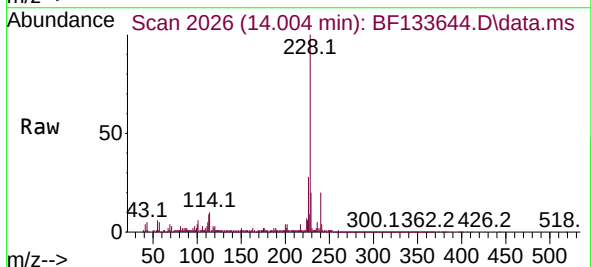
Reviewed By :Yogesh Patel 06/09/2023

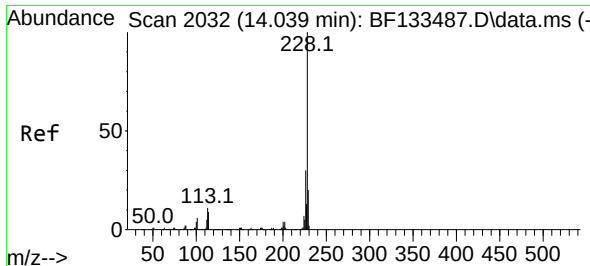
Supervised By :mohammad ahmed 06/13/2023



#81
 Benzo(a)anthracene
 Concen: 20.520 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.000 min
 Lab File: BF133644.D
 Acq: 08 Jun 2023 16:39

Tgt Ion:228 Resp: 216420
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.3 33.5
 229 20.3 16.1 24.1





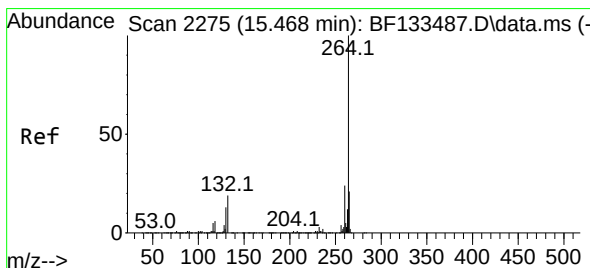
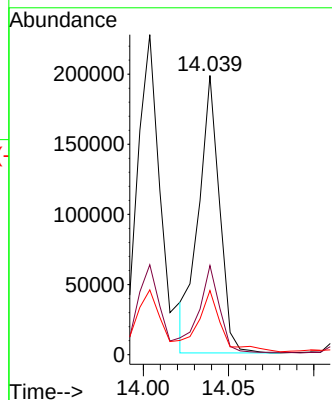
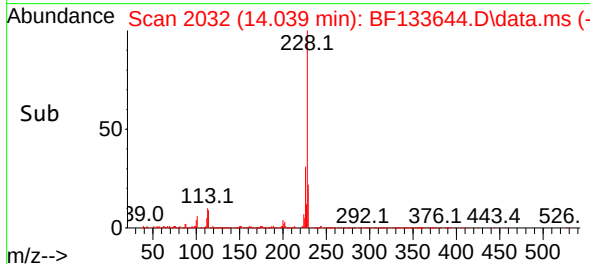
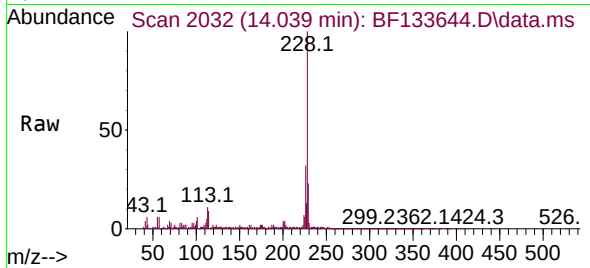
#83
Chrysene
Concen: 15.836 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

Instrument :
BNA_F
ClientSampleId :
HR-03-060523DL

Tgt Ion:228 Resp: 168610
Ion Ratio Lower Upper
228 100
226 31.9 24.1 36.1
229 23.0 15.8 23.8

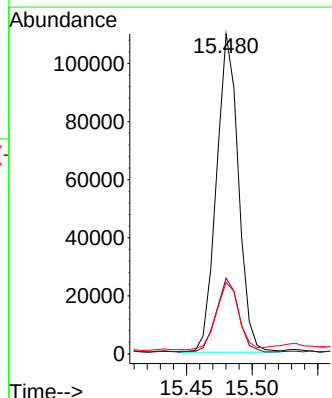
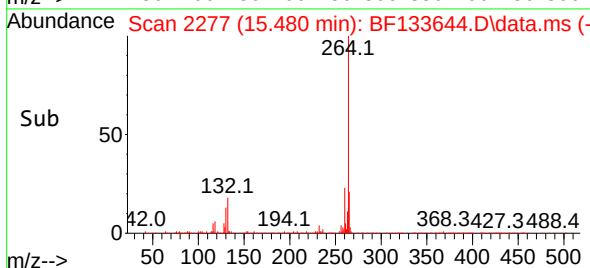
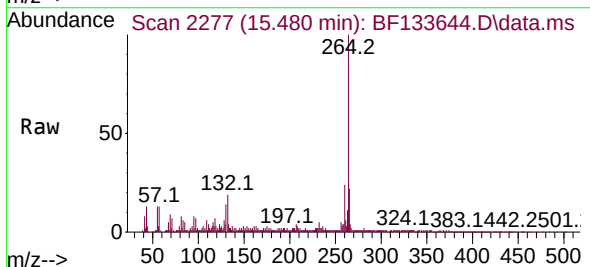
Manual Integrations
APPROVED

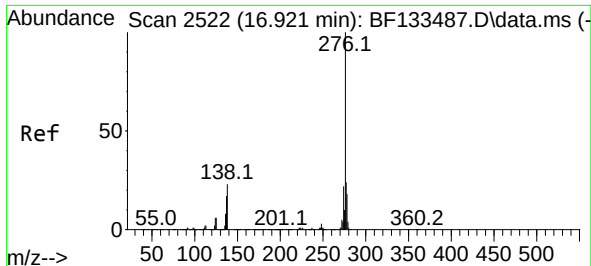
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

Tgt Ion:264 Resp: 127482
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 22.4 16.8 25.2





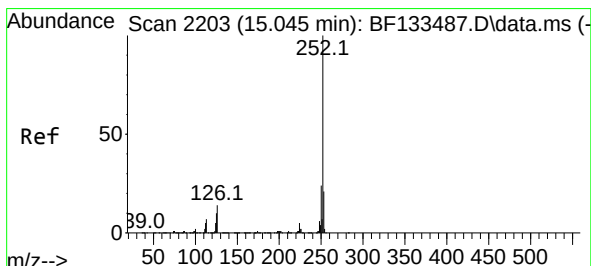
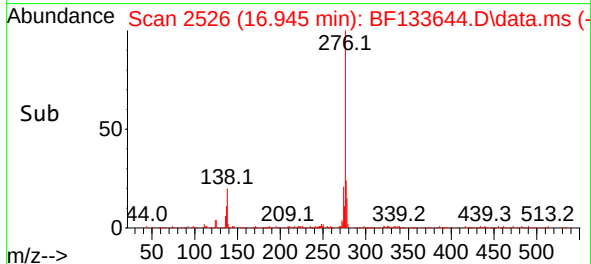
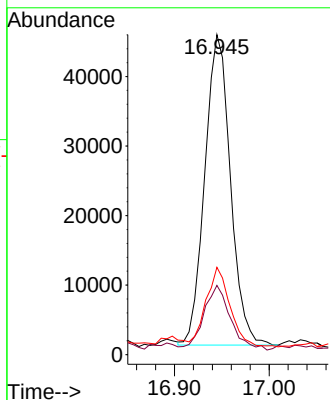
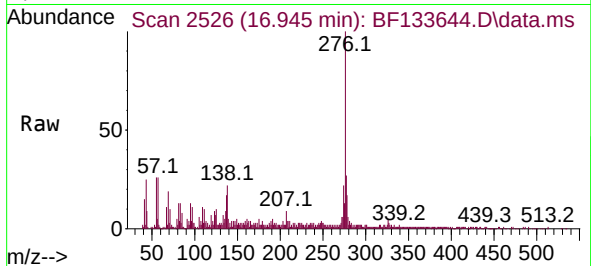
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.356 ng
RT: 16.945 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

Instrument :
BNA_F
ClientSampleId :
HR-03-060523DL

Tgt Ion:276 Resp: 84094
Ion Ratio Lower Upper
276 100
138 21.7 21.4 32.2
277 23.9 20.0 30.0

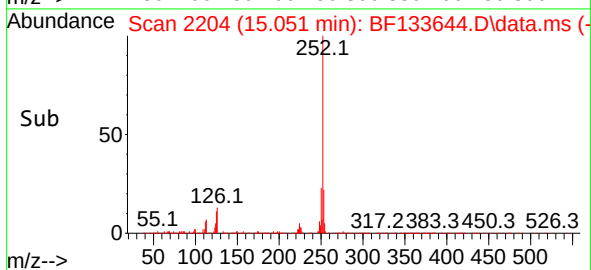
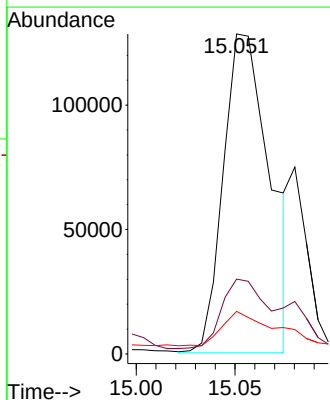
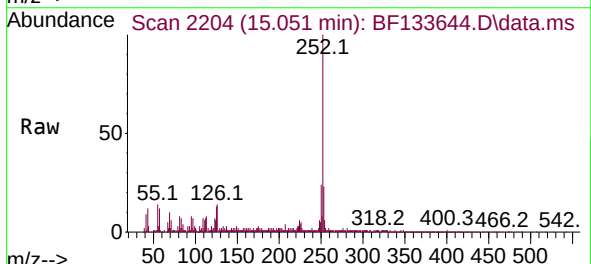
Manual Integrations
APPROVED

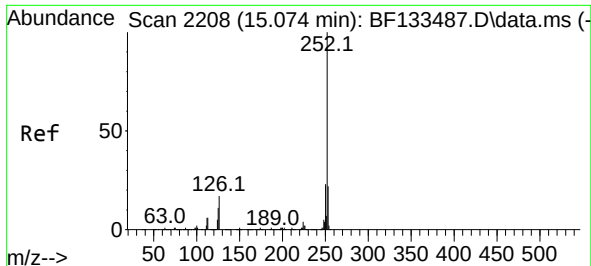
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#88
Benzo(b)fluoranthene
Concen: 25.316 ng m
RT: 15.051 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

Tgt Ion:252 Resp: 210152
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 13.3 8.1 12.1#





#89
Benzo(k)fluoranthene
Concen: 6.025 ng m
RT: 15.080 min Scan# 2208
Delta R.T. -0.006 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

Instrument :

BNA_F

ClientSampleId :

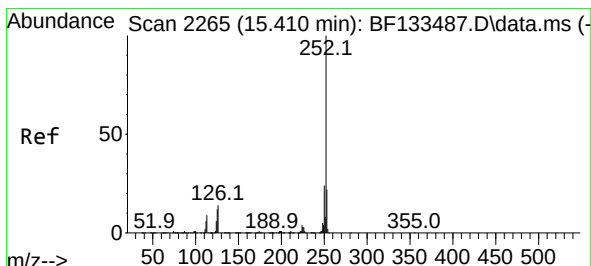
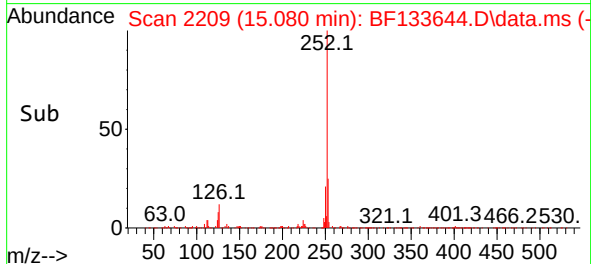
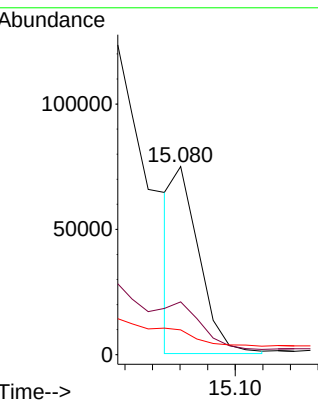
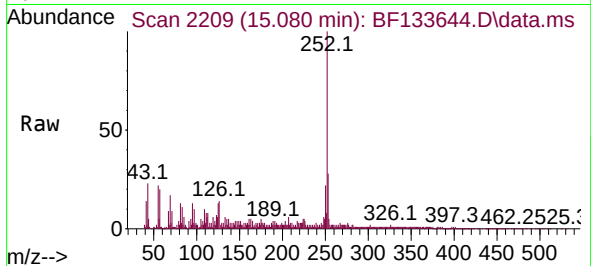
HR-03-060523DL

Tgt Ion:252 Resp: 4876
Ion Ratio Lower Upper
252 100
253 28.1 17.4 26.2
125 13.1 8.3 12.5

Manual Integrations

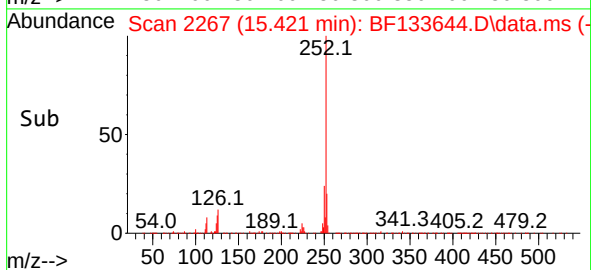
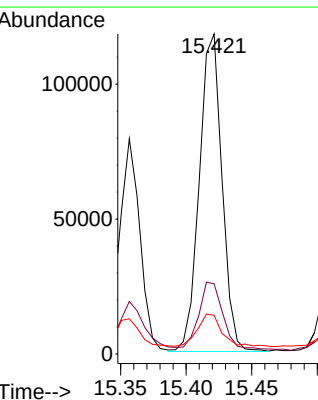
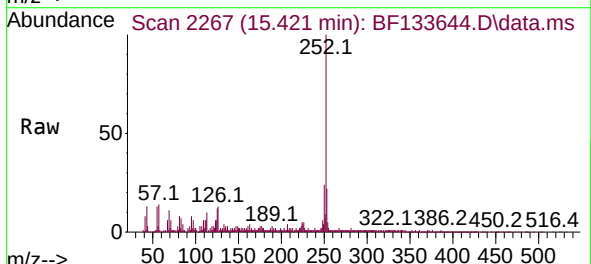
APPROVED

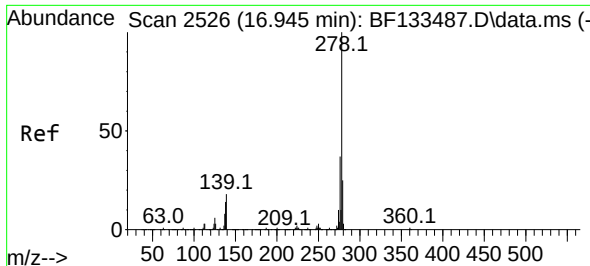
Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#90
Benzo(a)pyrene
Concen: 18.750 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.006 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

Tgt Ion:252 Resp: 141634
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 12.1 9.4 14.0





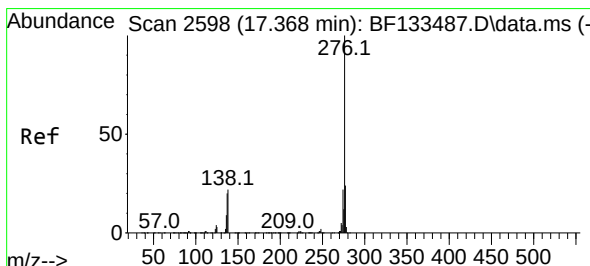
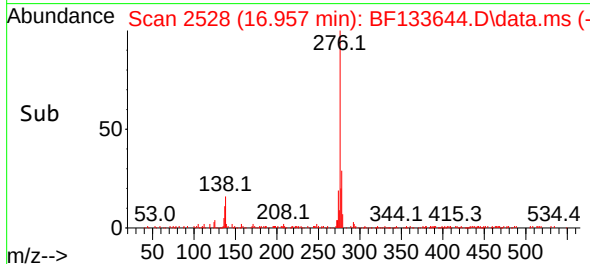
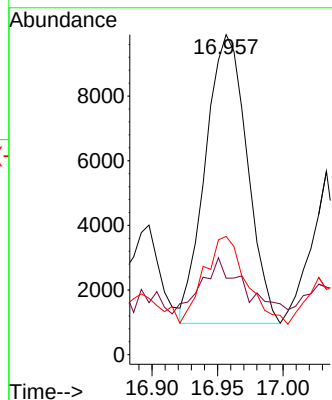
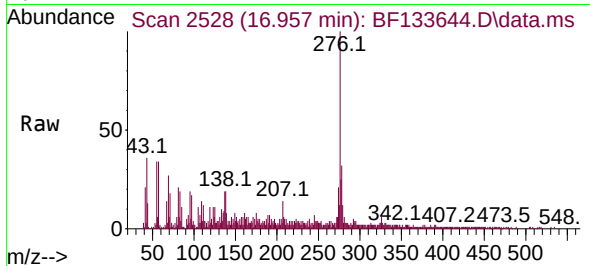
#91
Dibenzo(a,h)anthracene
Concen: 2.992 ng
RT: 16.957 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

Instrument :
BNA_F
ClientSampleId :
HR-03-060523DL

Tgt Ion:278 Resp: 1969
Ion Ratio Lower Upper
278 100
139 23.9 14.1 21.1
279 36.9 19.7 29.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/09/2023
Supervised By :mohammad ahmed 06/13/2023



#92
Benzo(g,h,i)perylene
Concen: 11.740 ng
RT: 17.392 min Scan# 2602
Delta R.T. 0.000 min
Lab File: BF133644.D
Acq: 08 Jun 2023 16:39

Tgt Ion:276 Resp: 77939
Ion Ratio Lower Upper
276 100
277 26.8 18.8 28.2
138 23.2 17.8 26.6

