

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138788.D
 Acq On : 05 Aug 2024 16:28
 Operator : RC/JU
 Sample : P3463-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

Quant Time: Aug 05 16:57:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	51115	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	197244	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	87662	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	117148	20.000	ng	0.00
76) Chrysene-d12	14.010	240	76699	20.000	ng	0.00
86) Perylene-d12	15.474	264	59234	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	118814	35.881	ng	0.00
7) Phenol-d6	6.481	99	158754	35.709	ng	0.00
23) Nitrobenzene-d5	7.404	82	102461	25.397	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	23091	32.157	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	174280	29.871	ng	0.00
79) Terphenyl-d14	12.945	244	125170	27.323	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.910	154	10166	2.088	ng	99
58) Fluorene	10.427	166	12201	2.230	ng	# 92
71) Phenanthrene	11.386	178	117729	19.517	ng	99
72) Anthracene	11.439	178	40983	6.897	ng	97
75) Fluoranthene	12.580	202	330348	58.662	ng	98
78) Pyrene	12.810	202	322453	44.652	ng	99
81) Benzo(a)anthracene	13.998	228	150733	28.539	ng	97
83) Chrysene	14.033	228	120857	25.363	ng	97
87) Indeno(1,2,3-cd)pyrene	16.945	276	40248m	9.481	ng	
88) Benzo(b)fluoranthene	15.045	252	112938m	30.757	ng	
89) Benzo(k)fluoranthene	15.062	252	40934m	12.876	ng	
90) Benzo(a)pyrene	15.409	252	80213	25.971	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	11548	3.314	ng	# 90
92) Benzo(g,h,i)perylene	17.392	276	42069	11.634	ng	96

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

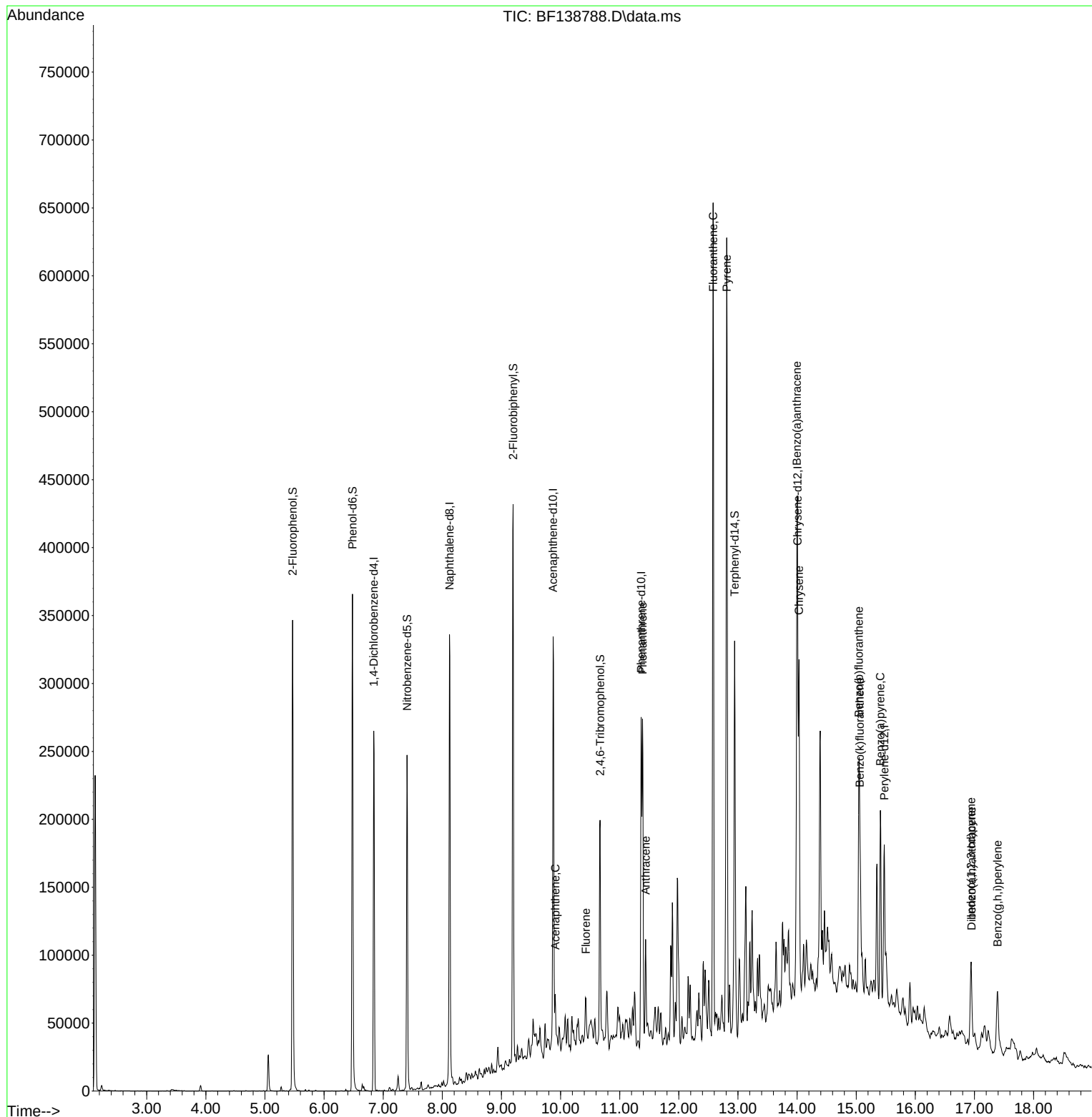
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138788.D
Acq On : 05 Aug 2024 16:28
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ALS Vial : 8 Sample Multiplier: 1

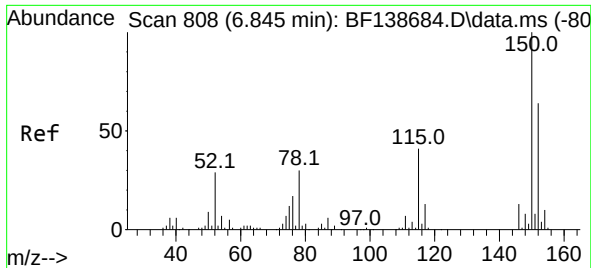
Instrument :
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TR-04-082024

Quant Time: Aug 05 16:57:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
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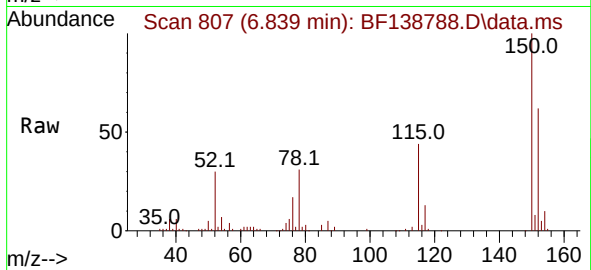
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

TR-04-082024

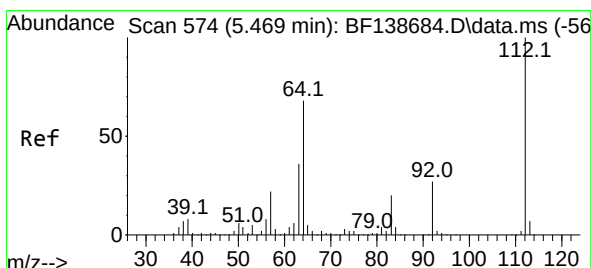
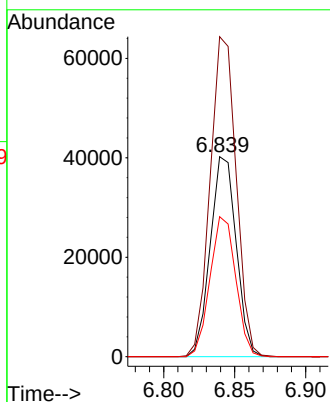
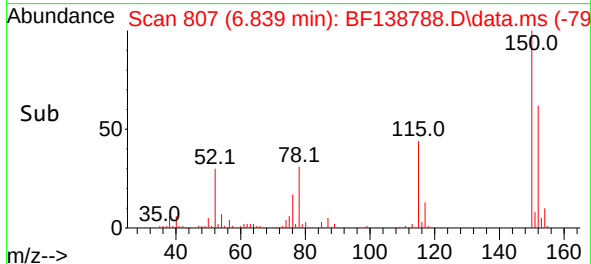


Tgt Ion:152 Resp: 5111
Ion Ratio Lower Upper
152 100
150 160.0 126.0 189.0
115 70.0 51.7 77.5

Manual Integrations

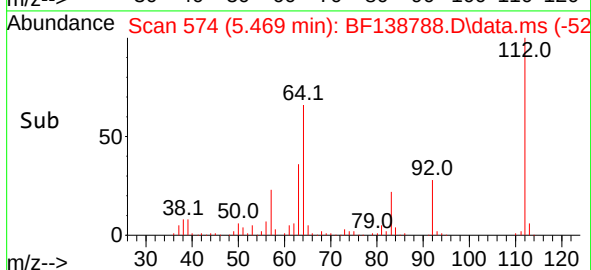
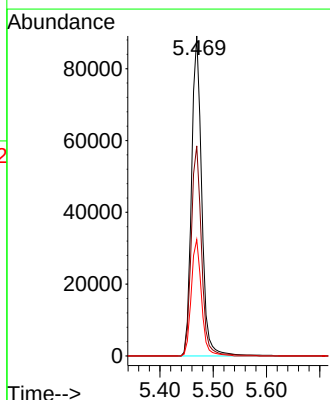
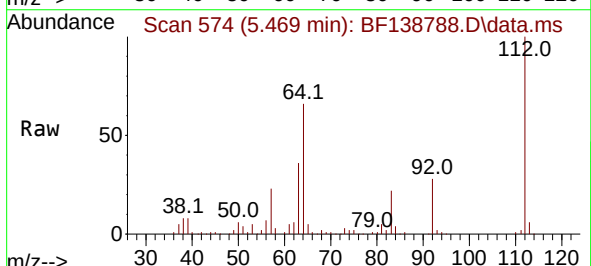
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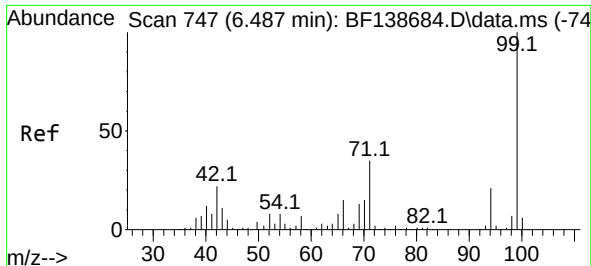
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#5
2-Fluorophenol
Concen: 35.881 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

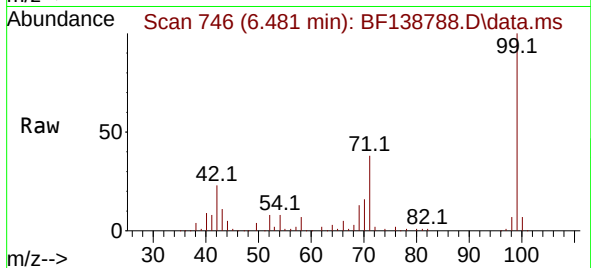
Tgt Ion:112 Resp: 118814
Ion Ratio Lower Upper
112 100
64 65.7 54.2 81.4
63 36.3 28.7 43.1





#7
Phenol-d6
Concen: 35.709 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

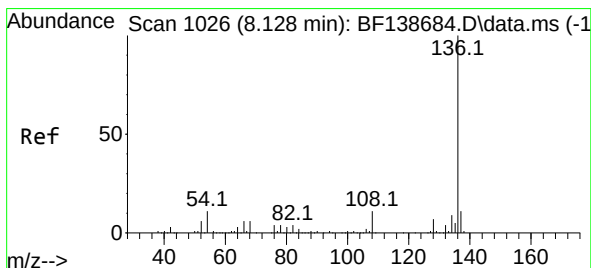
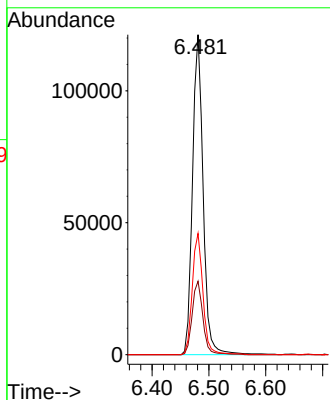
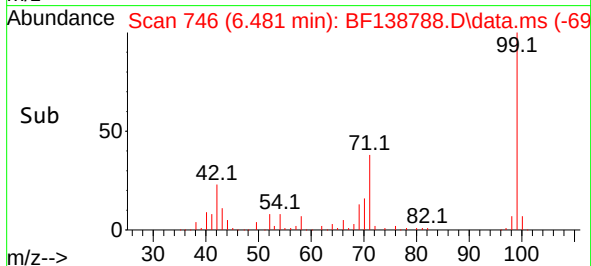
Instrument :
BNA_F
ClientSampleId :
TR-04-082024



Tgt Ion: 99 Resp: 158754
Ion Ratio Lower Upper
99 100
42 23.0 17.4 26.0
71 37.9 28.1 42.1

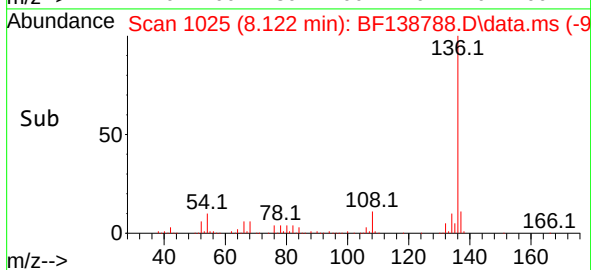
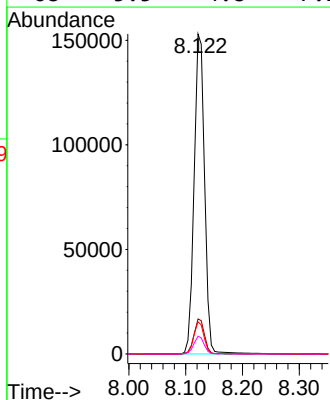
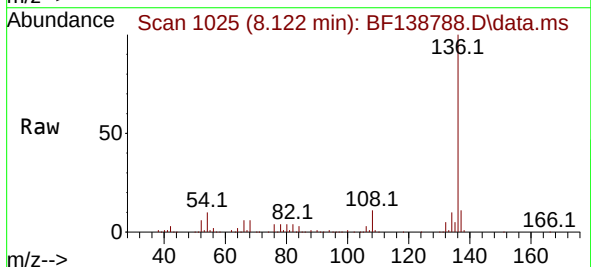
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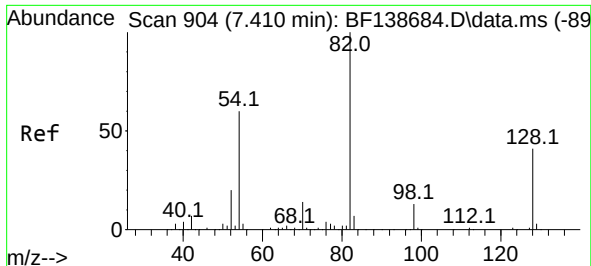
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Tgt Ion:136 Resp: 197244
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 10.1 8.6 12.8
68 5.5 4.8 7.2





#23
Nitrobenzene-d5
Concen: 25.397 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

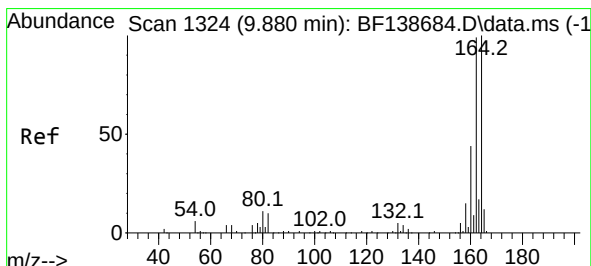
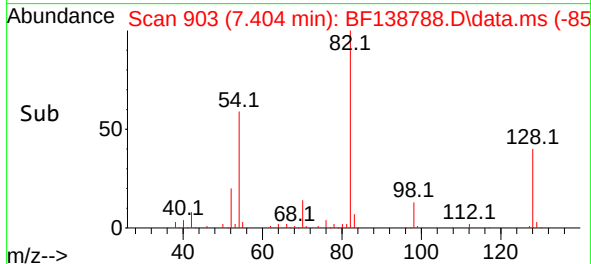
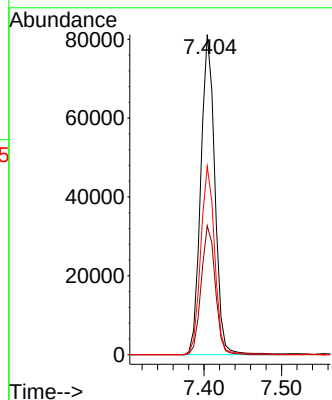
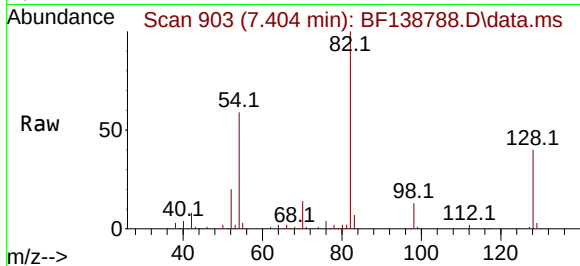
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Tgt Ion: 82 Resp: 102461
Ion Ratio Lower Upper
82 100
128 40.3 32.8 49.2
54 58.9 48.3 72.5

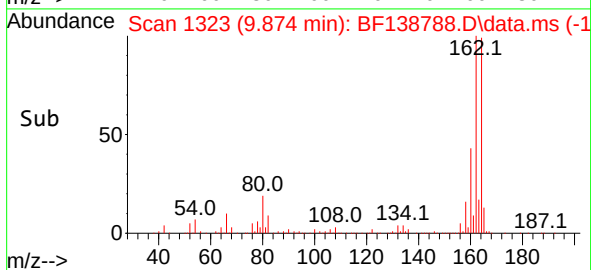
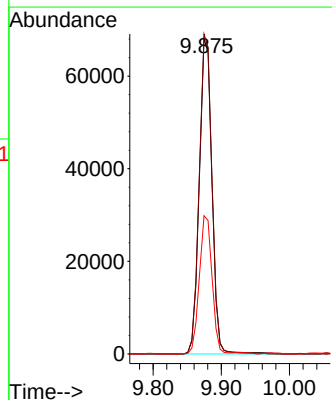
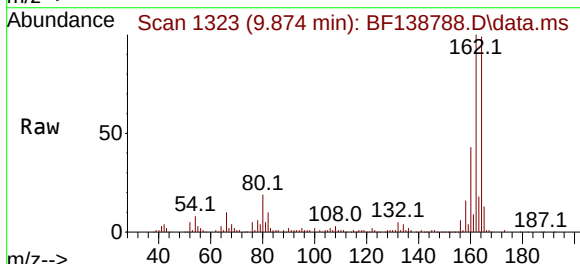
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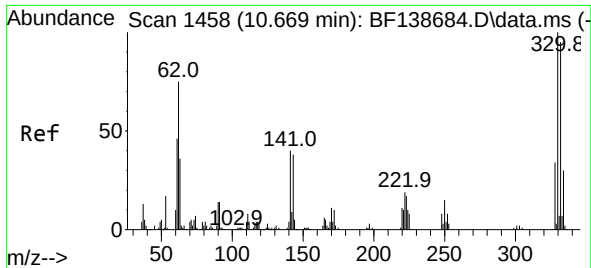
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Tgt Ion:164 Resp: 87662
Ion Ratio Lower Upper
164 100
162 101.5 79.4 119.0
160 43.9 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 32.157 ng
RT: 10.669 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

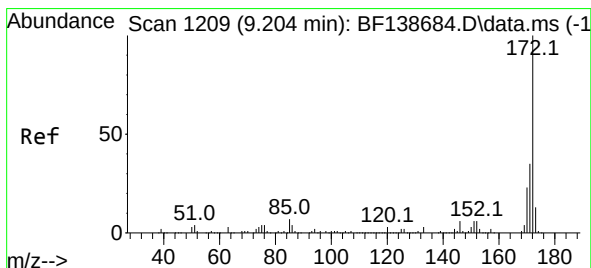
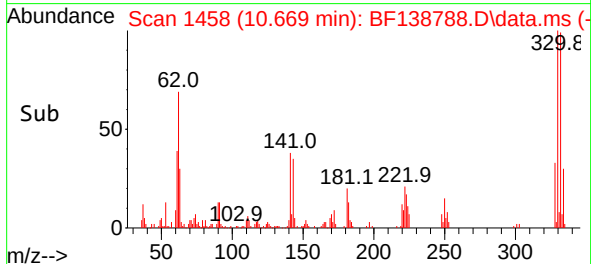
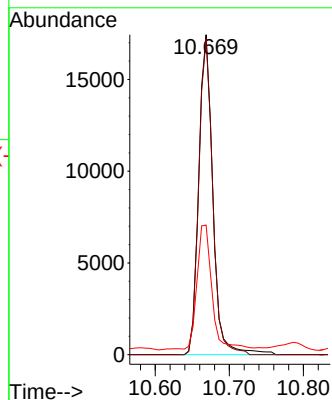
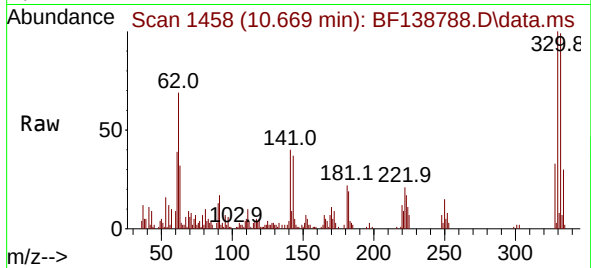
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Tgt Ion:330 Resp: 2309
Ion Ratio Lower Upper
330 100
332 96.6 76.4 114.6
141 42.1 31.1 46.7

Manual Integrations

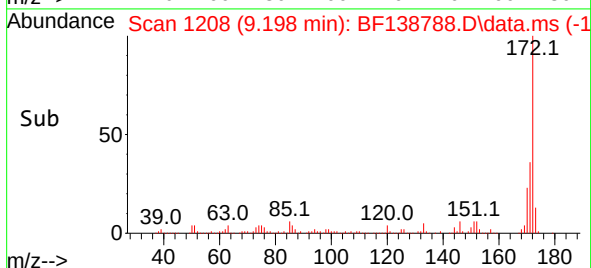
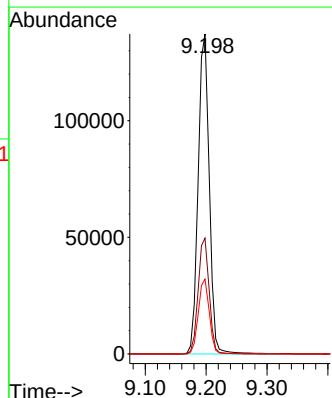
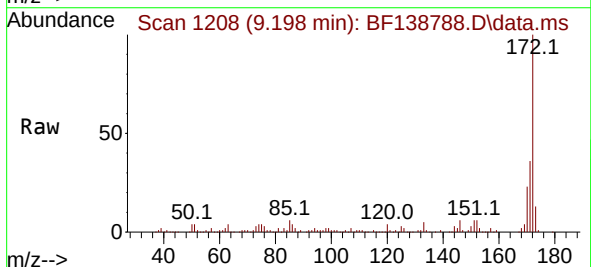
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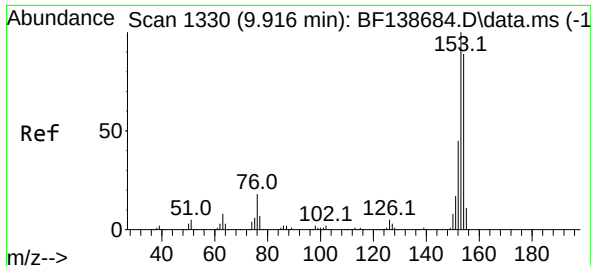
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#45
2-Fluorobiphenyl
Concen: 29.871 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Tgt Ion:172 Resp: 174280
Ion Ratio Lower Upper
172 100
171 36.2 28.3 42.5
170 23.4 18.8 28.2





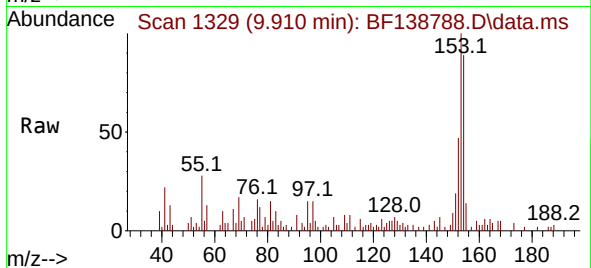
#52
Acenaphthene
Concen: 2.088 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

TR-04-082024

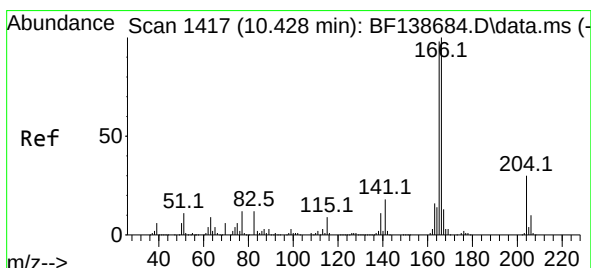
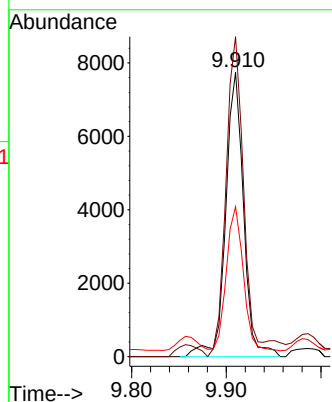
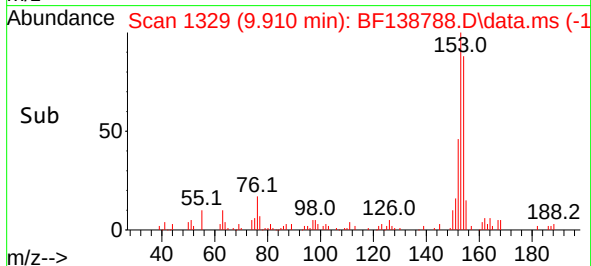


Tgt Ion:154 Resp: 1016
Ion Ratio Lower Upper
154 100
153 112.5 89.9 134.9
152 52.7 40.6 60.8

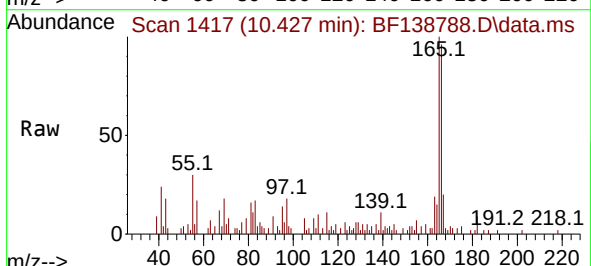
Manual Integrations

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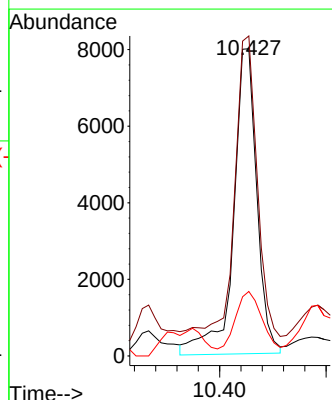
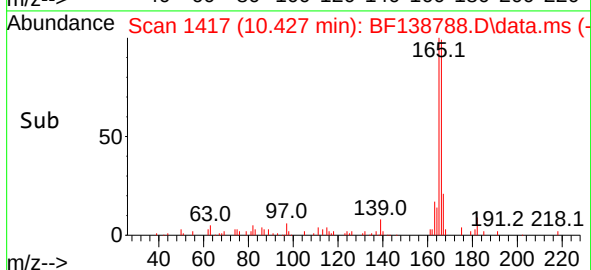
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

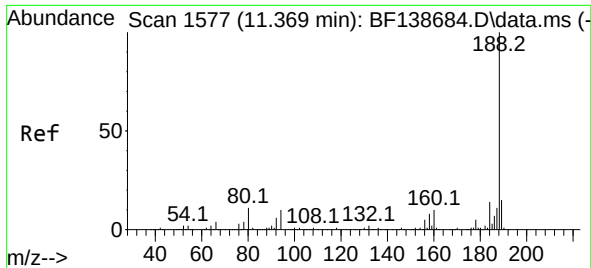


#58
Fluorene
Concen: 2.230 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28



Tgt Ion:166 Resp: 12201
Ion Ratio Lower Upper
166 100
165 104.2 78.4 117.6
167 21.0 10.6 16.0#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11714
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

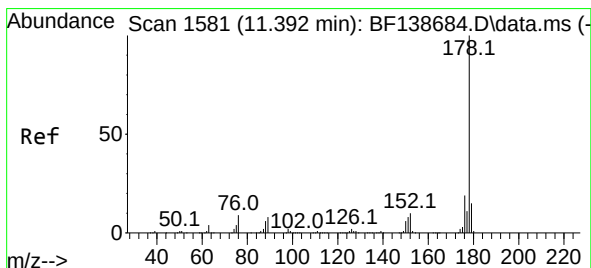
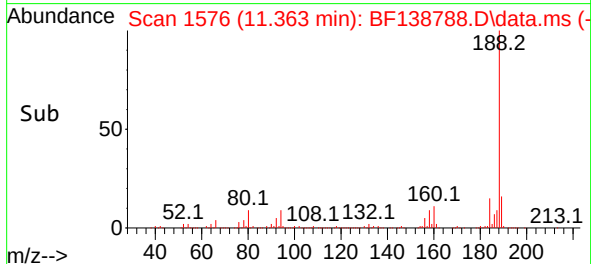
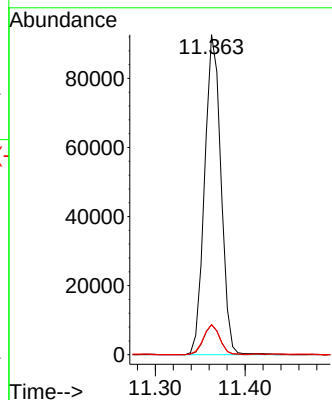
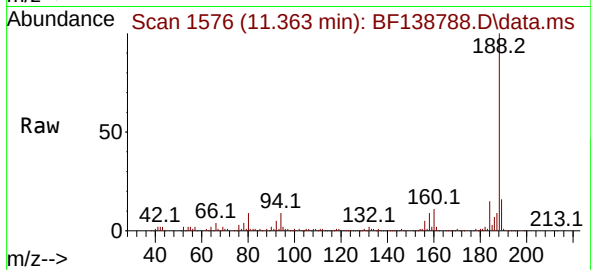
TR-04-082024

Tgt Ion:188 Resp: 11714
Ion Ratio Lower Upper
188 100
94 9.4 7.6 11.4
80 9.4 8.6 12.8

Manual Integrations

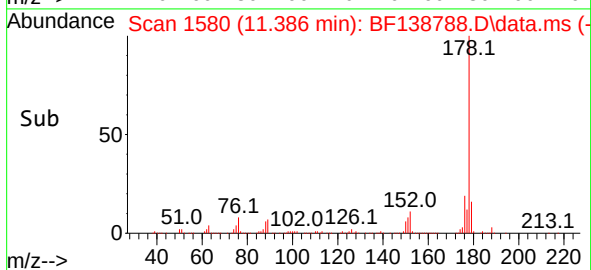
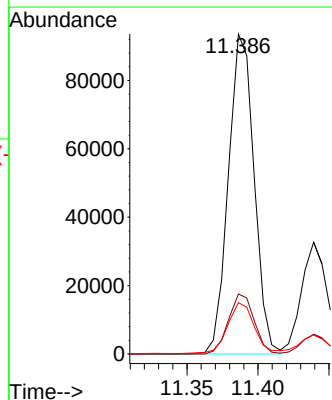
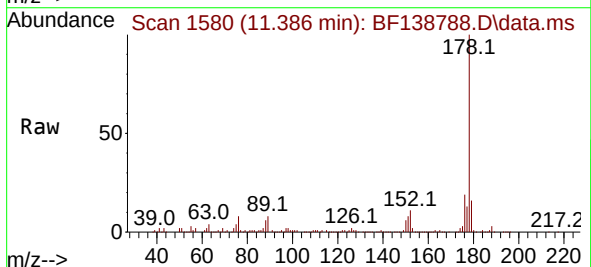
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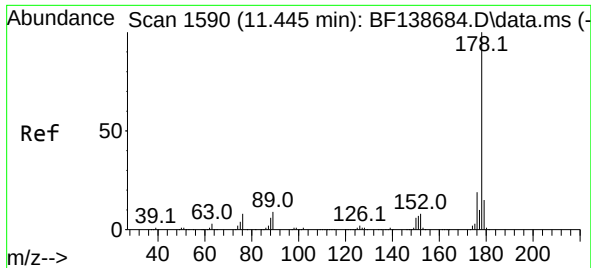
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#71
Phenanthrene
Concen: 19.517 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Tgt Ion:178 Resp: 117729
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 16.1 12.2 18.2





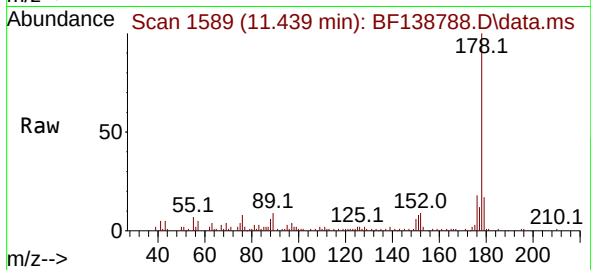
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Anthracene
Concen: 6.897 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

TR-04-082024

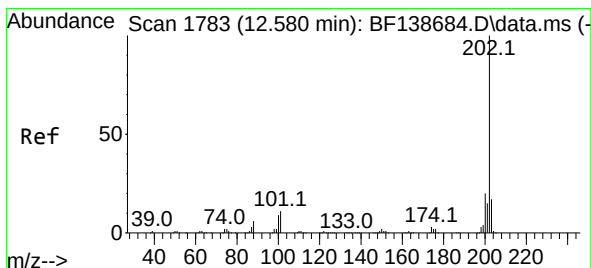
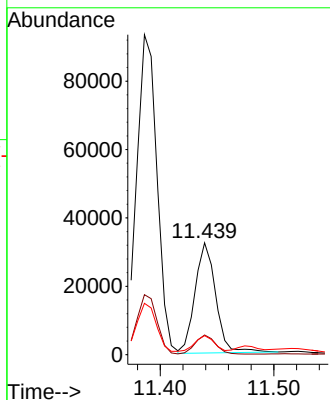
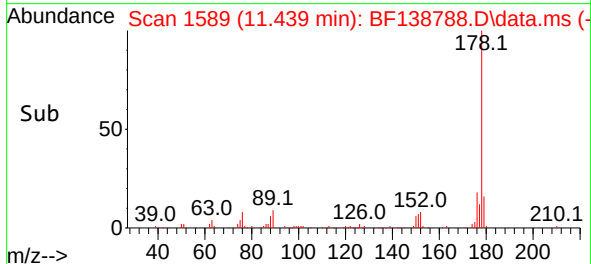


Tgt Ion:178 Resp: 40983
Ion Ratio Lower Upper
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179 17.0 12.4 18.6

Manual Integrations

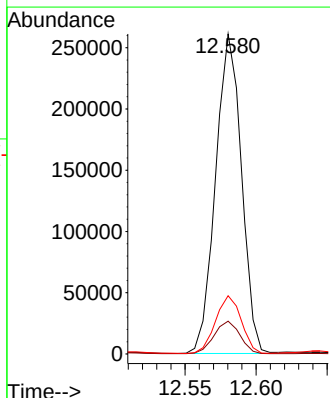
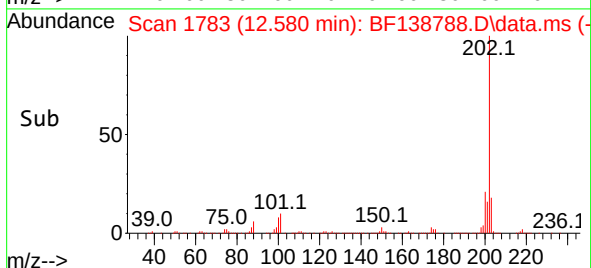
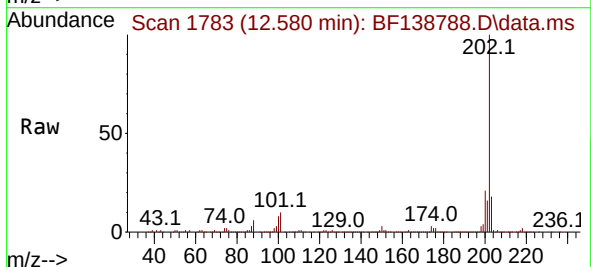
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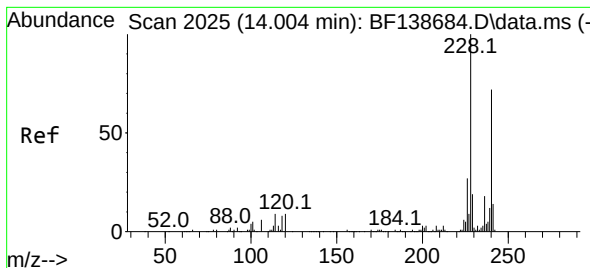
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#75
Fluoranthene
Concen: 58.662 ng
RT: 12.580 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Tgt Ion:202 Resp: 330348
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.2
203 18.2 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF138788.D

Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

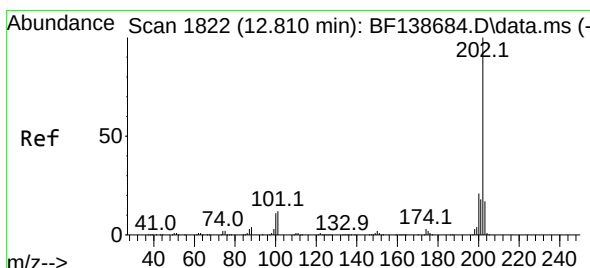
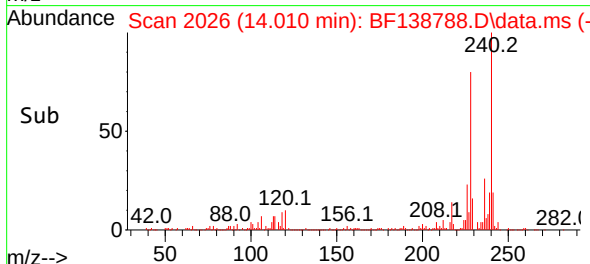
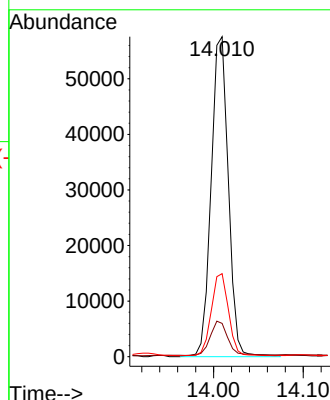
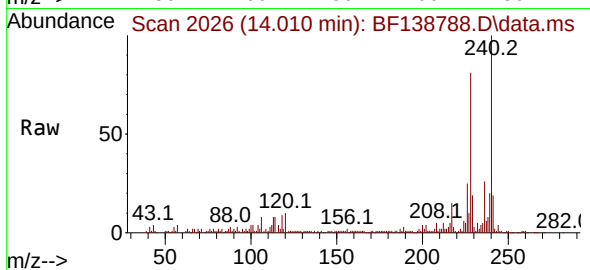
TR-04-082024

Tgt Ion:	240	Resp:	76699
Ion Ratio	Lower	Upper	
240	100		
120	10.4	10.2	15.4
236	25.9	19.8	29.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#78

Pyrene

Concen: 44.652 ng

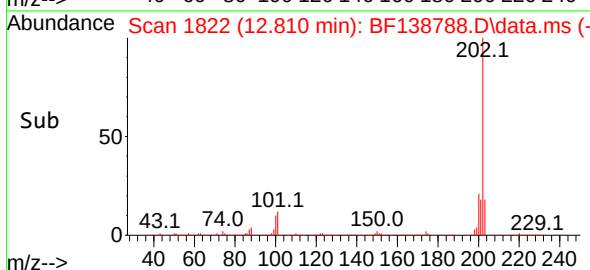
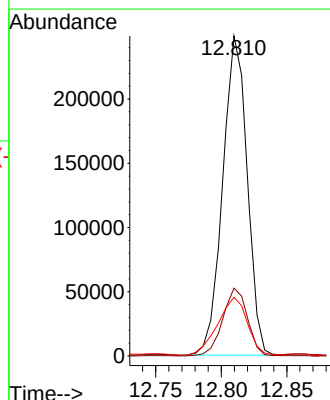
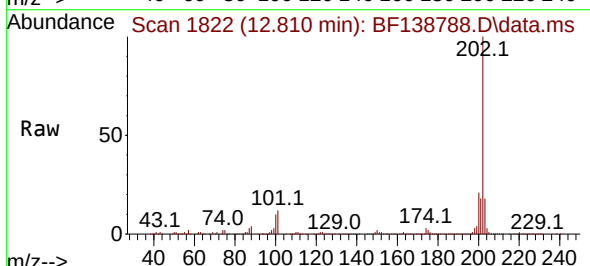
RT: 12.810 min Scan# 1822

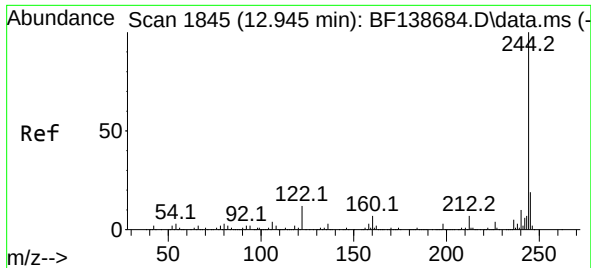
Delta R.T. -0.000 min

Lab File: BF138788.D

Acq: 05 Aug 2024 16:28

Tgt Ion:	202	Resp:	322453
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.8	25.2
203	18.3	13.8	20.6





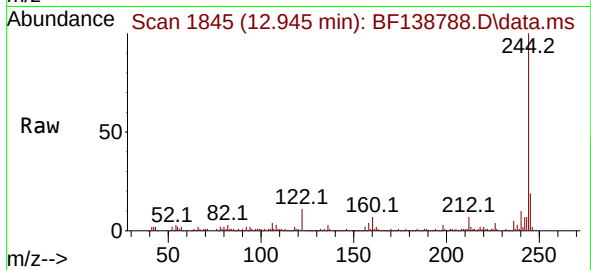
#79
 Terphenyl-d14
 Concen: 27.323 ng
 RT: 12.945 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF138788.D
 Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

TR-04-082024

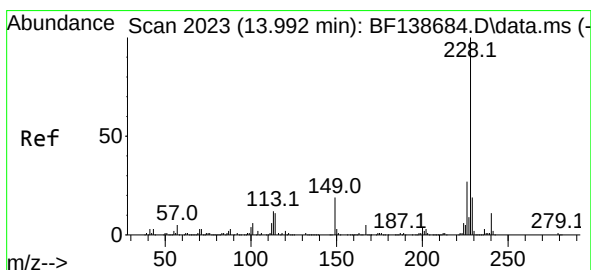
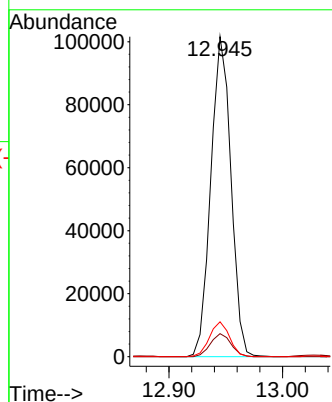
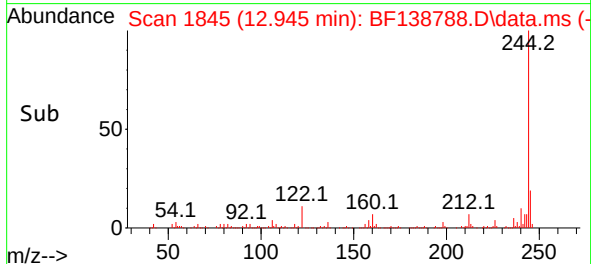


Tgt Ion:244 Resp: 125170
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 10.9 9.6 14.4

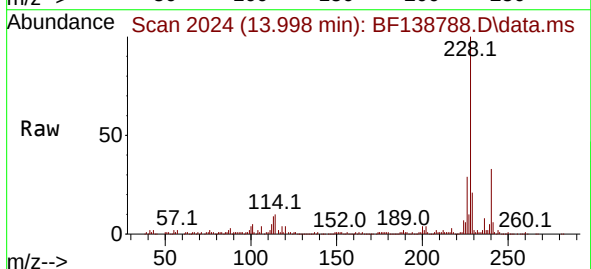
Manual Integrations

APPROVED

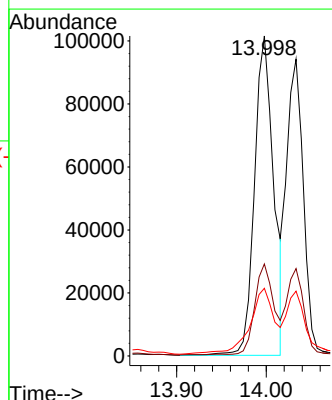
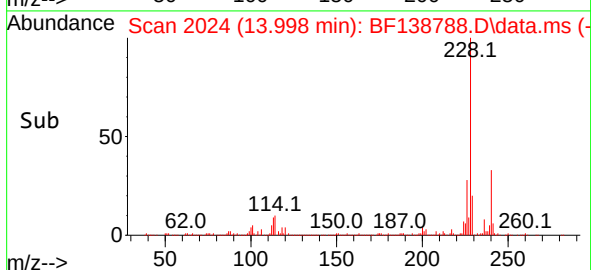
Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

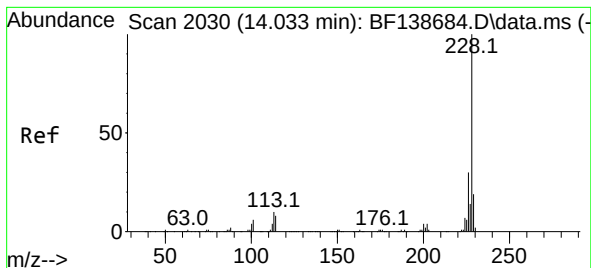


#81
 Benzo(a)anthracene
 Concen: 28.539 ng
 RT: 13.998 min Scan# 2024
 Delta R.T. 0.006 min
 Lab File: BF138788.D
 Acq: 05 Aug 2024 16:28



Tgt Ion:228 Resp: 150733
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.1 33.1
 229 21.2 15.4 23.0





#83

Chrysene

Concen: 25.363 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF138788.D

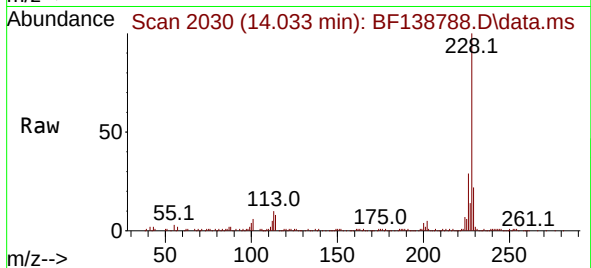
Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

TR-04-082024

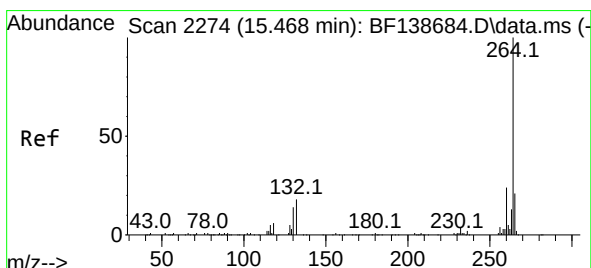
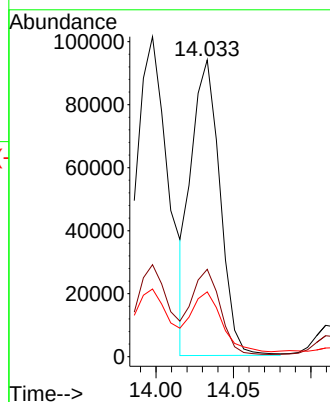
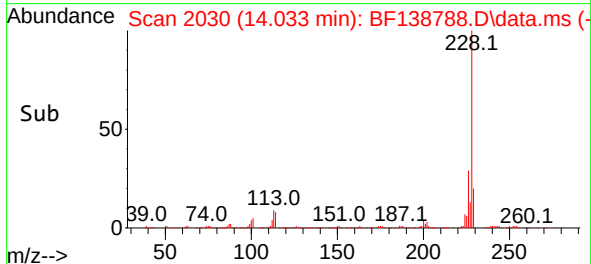


Tgt Ion:	228	Resp:	12085
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.7	35.5
229	21.8	15.0	22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#86

Perylene-d12

Concen: 20.000 ng

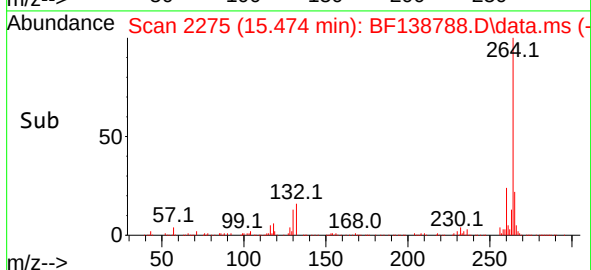
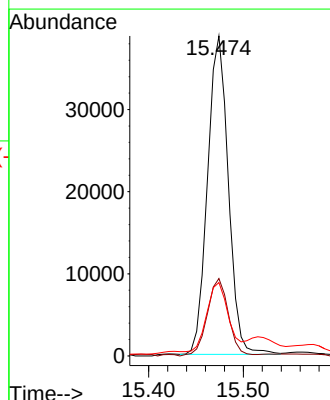
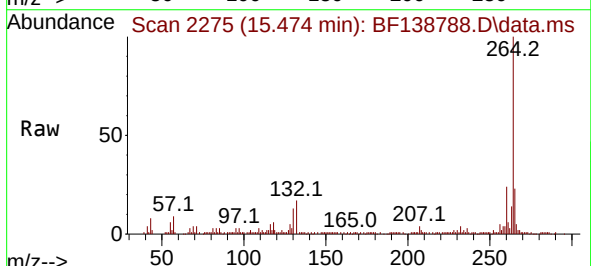
RT: 15.474 min Scan# 2275

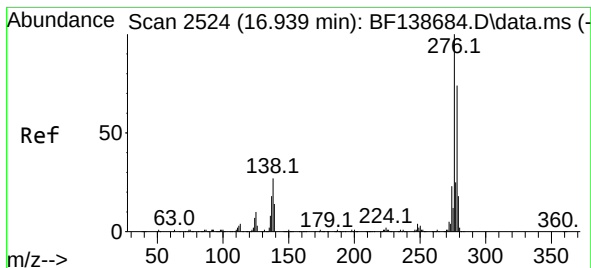
Delta R.T. 0.006 min

Lab File: BF138788.D

Acq: 05 Aug 2024 16:28

Tgt Ion:	264	Resp:	59234
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.0	28.6
265	23.0	17.0	25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.481 ng m

RT: 16.945 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138788.D

Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

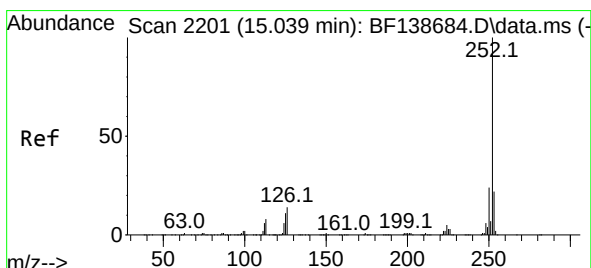
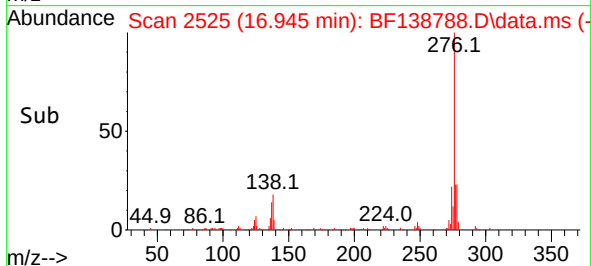
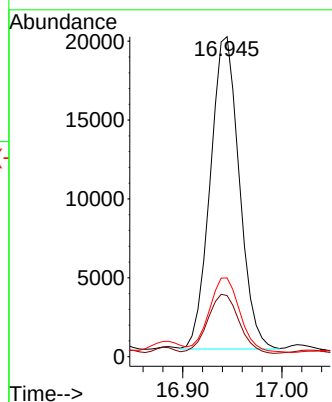
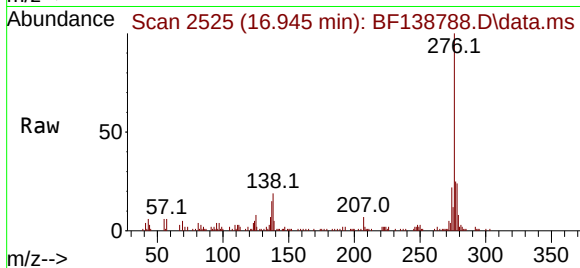
TR-04-082024

Tgt Ion:	276	Resp:	4024
Ion Ratio	Lower	Upper	
276	100		
138	4.6	21.8	32.8
277	5.0	20.6	30.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#88

Benzo(b)fluoranthene

Concen: 30.757 ng m

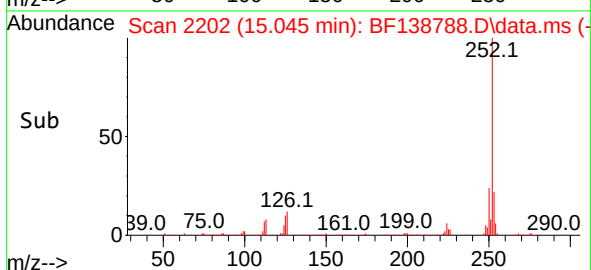
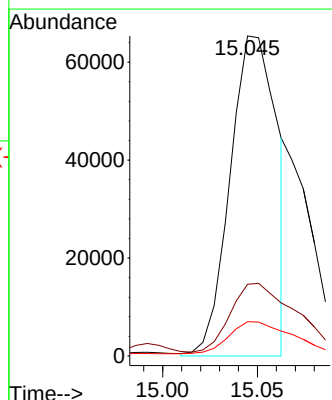
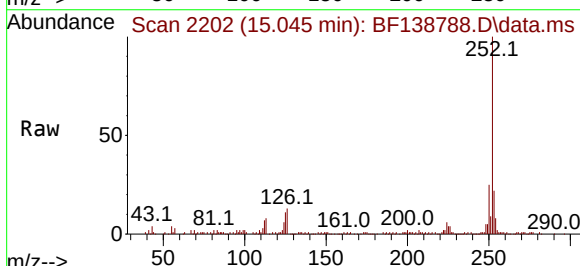
RT: 15.045 min Scan# 2202

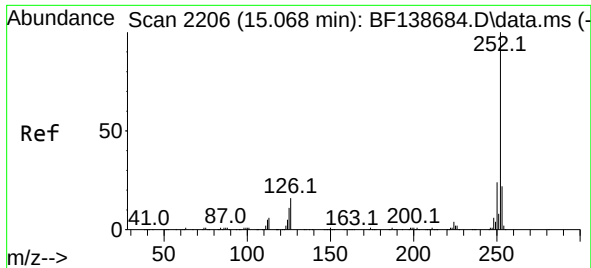
Delta R.T. 0.006 min

Lab File: BF138788.D

Acq: 05 Aug 2024 16:28

Tgt Ion:	252	Resp:	112938
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.5	26.3
125	10.7	8.9	13.3





#89
Benzo(k)fluoranthene
Concen: 12.876 ng m
RT: 15.062 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

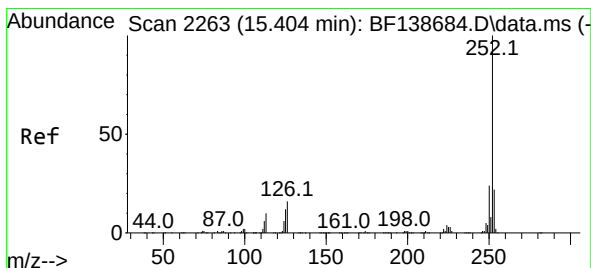
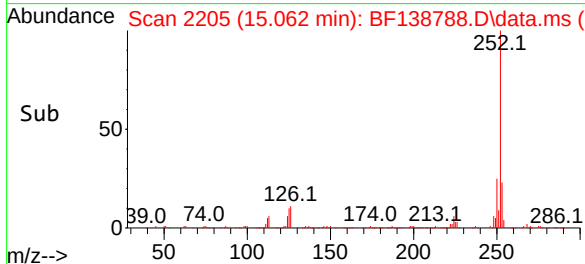
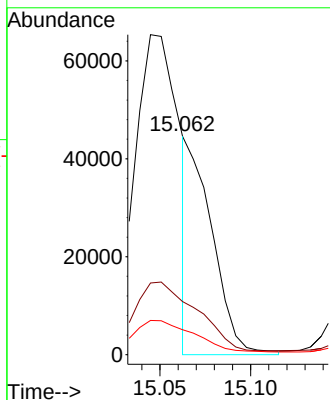
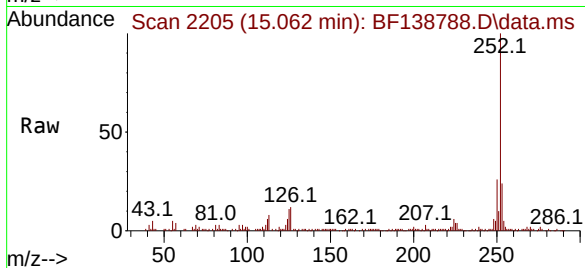
TR-04-082024

Tgt Ion:252 Resp: 40934
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.0
125 11.4 8.6 13.0

Manual Integrations

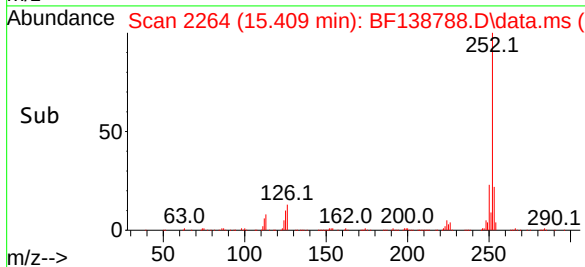
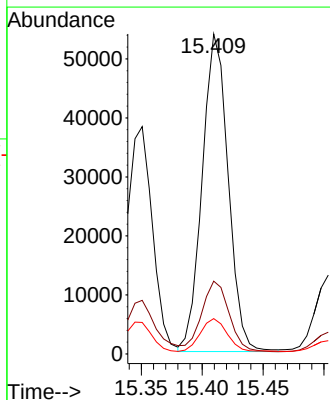
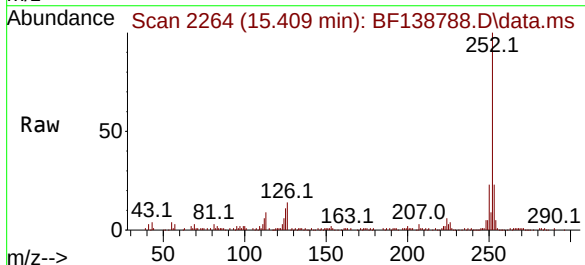
APPROVED

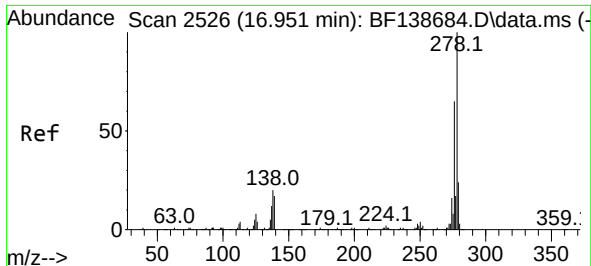
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#90
Benzo(a)pyrene
Concen: 25.971 ng
RT: 15.409 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Tgt Ion:252 Resp: 80213
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 11.1 9.5 14.3





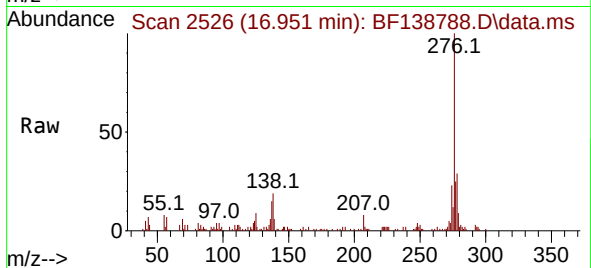
#91
Dibenzo(a,h)anthracene
Concen: 3.314 ng
RT: 16.951 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Instrument :

BNA_F

ClientSampleId :

TR-04-082024

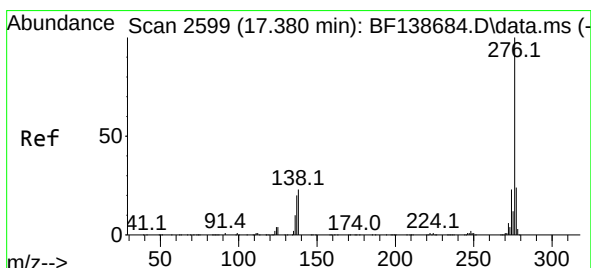
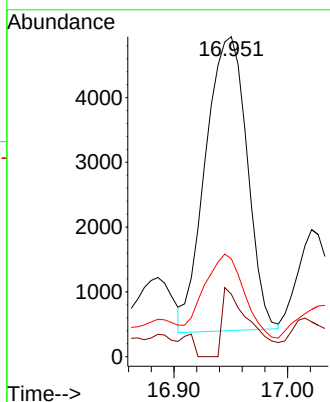
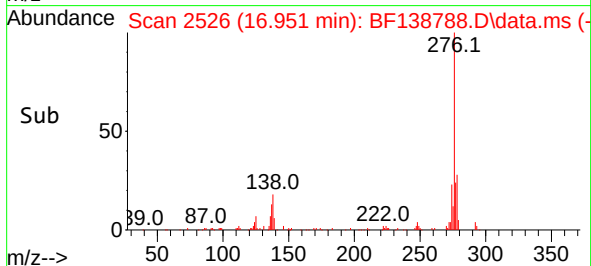


Tgt Ion: 278 Resp: 1154
Ion Ratio Lower Upper
278 100
139 19.5 14.0 21.0
279 30.6 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#92
Benzo(g,h,i)perylene
Concen: 11.634 ng
RT: 17.392 min Scan# 2601
Delta R.T. 0.012 min
Lab File: BF138788.D
Acq: 05 Aug 2024 16:28

Tgt Ion: 276 Resp: 42069
Ion Ratio Lower Upper
276 100
277 26.5 19.0 28.4
138 21.7 18.5 27.7

