

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080224\
 Data File : BF138751.D
 Acq On : 02 Aug 2024 17:14
 Operator : RC/JU
 Sample : P3417-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-073124

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/03/2024
 Supervised By :mohammad ahmed 08/03/2024

Quant Time: Aug 02 17:39:38 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	6.845	152	45805	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	156727	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	78183	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	153599	20.000	ng	0.00
76) Chrysene-d12	14.010	240	92068	20.000	ng	0.00
86) Perylene-d12	15.480	264	81484	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	375288	126.474	ng	0.00
7) Phenol-d6	6.487	99	457780	114.907	ng	0.00
23) Nitrobenzene-d5	7.410	82	277630	86.607	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	93198	145.526	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	461602	88.709	ng	0.00
79) Terphenyl-d14	12.957	244	598912	108.913	ng	0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.392	178	133684	16.902	ng	99
72) Anthracene	11.445	178	28874m	3.706	ng	
73) Carbazole	11.604	167	14413	2.144	ng	# 86
75) Fluoranthene	12.586	202	385838	52.256	ng	99
78) Pyrene	12.816	202	324435	37.427	ng	98
81) Benzo(a)anthracene	14.004	228	159618	25.176	ng	96
83) Chrysene	14.039	228	133162	23.280	ng	96
87) Indeno(1,2,3-cd)pyrene	16.957	276	68419	11.717	ng	# 91
88) Benzo(b)fluoranthene	15.057	252	177024m	35.046	ng	
89) Benzo(k)fluoranthene	15.068	252	68468m	15.655	ng	
90) Benzo(a)pyrene	15.421	252	120456	28.351	ng	96
91) Dibenzo(a,h)anthracene	16.962	278	15049	3.140	ng	# 79
92) Benzo(g,h,i)perylene	17.404	276	67135	13.497	ng	98

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

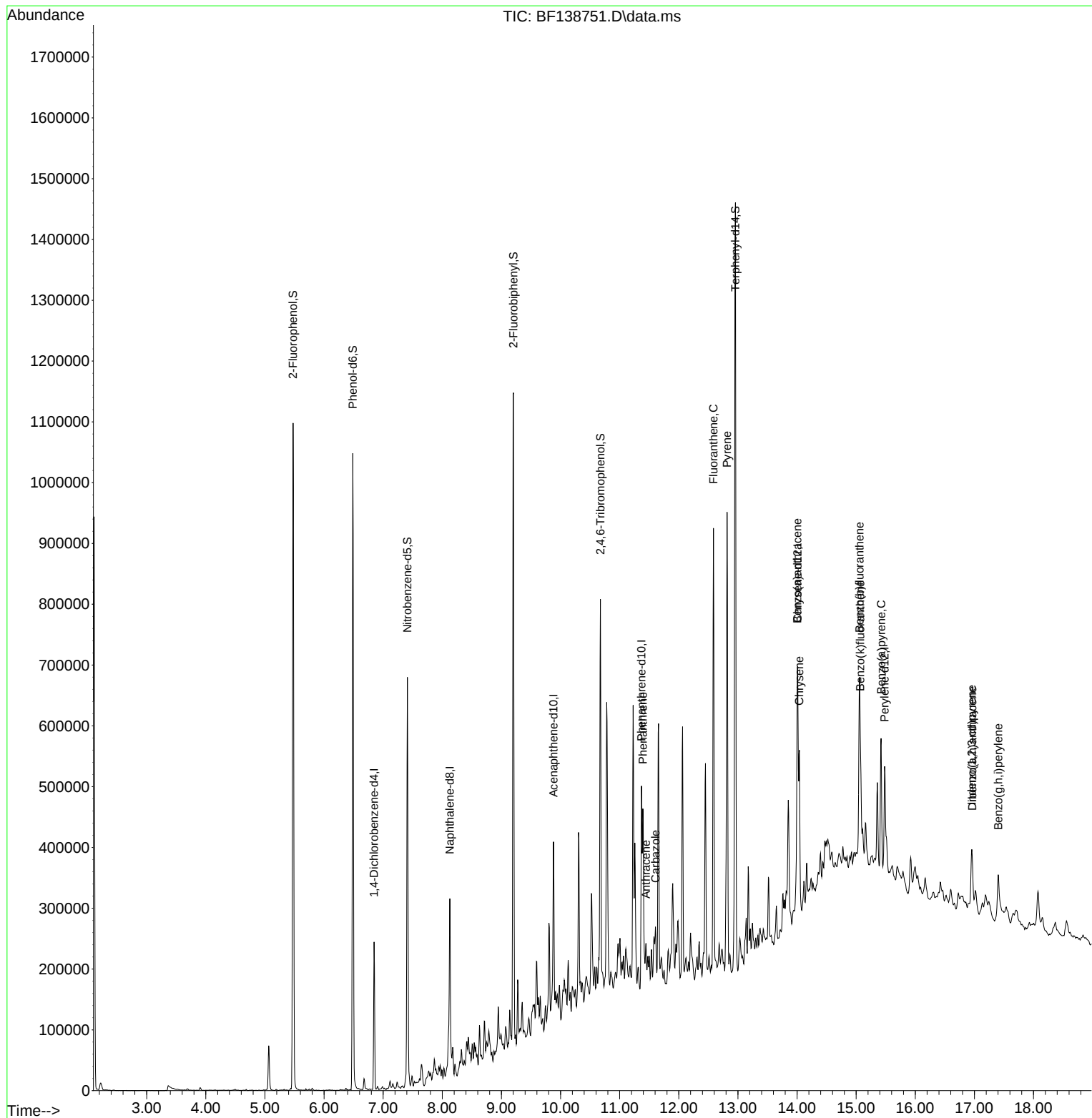
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080224\
Data File : BF138751.D
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ALS Vial : 17 Sample Multiplier: 1

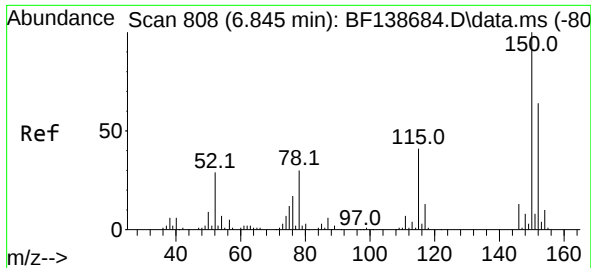
Instrument :
BNA_F
ClientSampleId :
TR-06-073124

Quant Time: Aug 02 17:39:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
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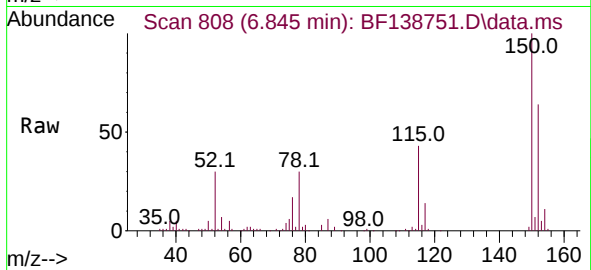
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124



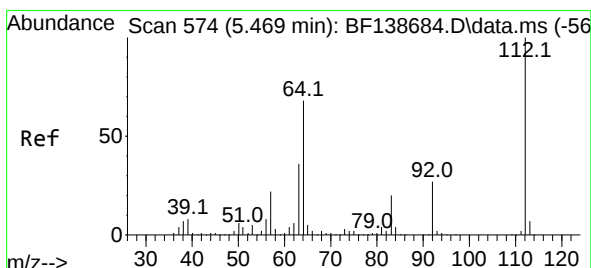
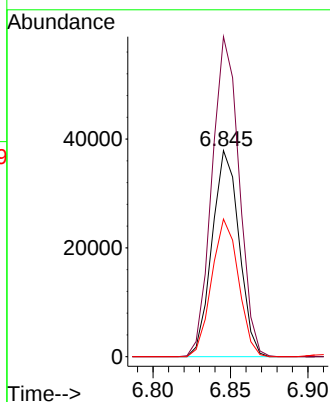
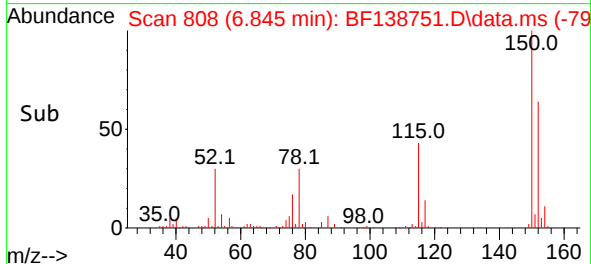
Tgt Ion:152 Resp: 45809
Ion Ratio Lower Upper
152 100
150 155.3 126.0 189.0
115 66.8 51.7 77.5

Manual Integrations

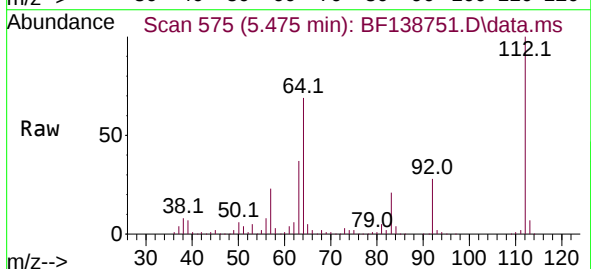
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Reviewed By :Yogesh Patel 08/03/2024

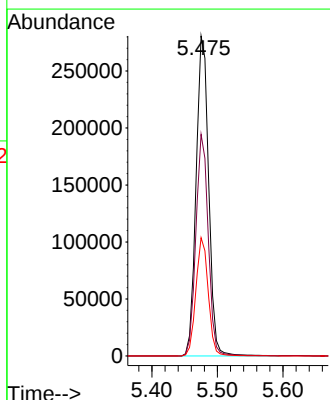
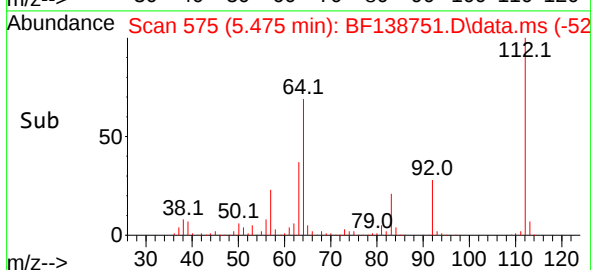
Supervised By :mohammad ahmed 08/03/2024



#5
2-Fluorophenol
Concen: 126.474 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14



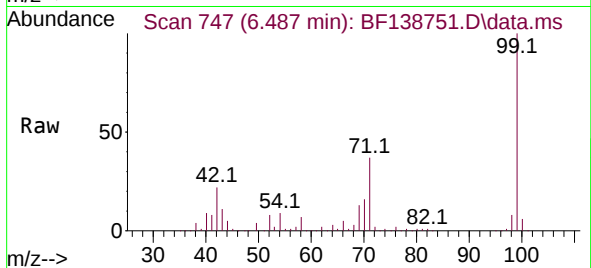
Tgt Ion:112 Resp: 375288
Ion Ratio Lower Upper
112 100
64 69.3 54.2 81.4
63 36.9 28.7 43.1





#7
Phenol-d6
Concen: 114.907 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

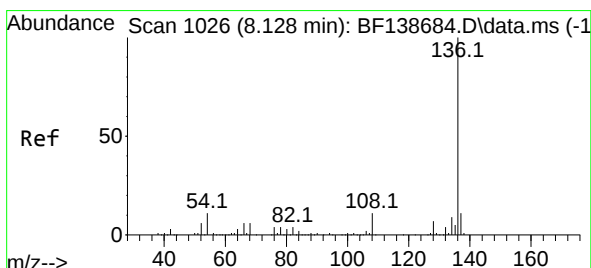
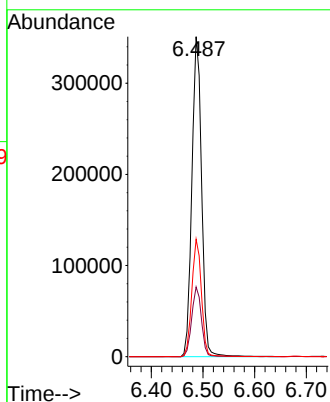
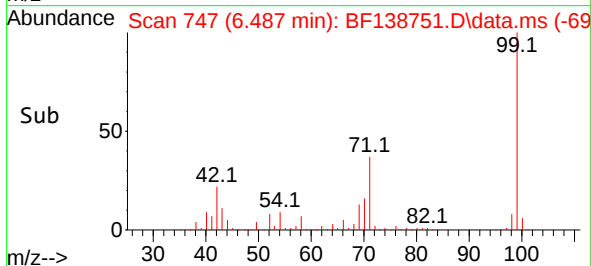
Instrument :
BNA_F
ClientSampleId :
TR-06-073124



Tgt Ion: 99 Resp: 457780
Ion Ratio Lower Upper
99 100
42 21.8 17.4 26.0
71 36.7 28.1 42.1

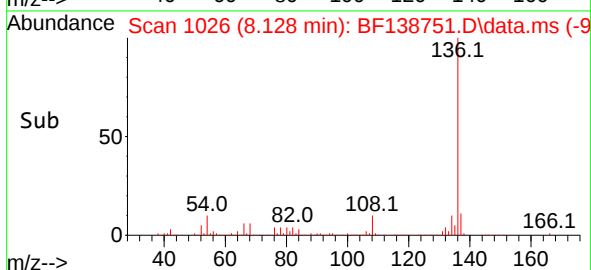
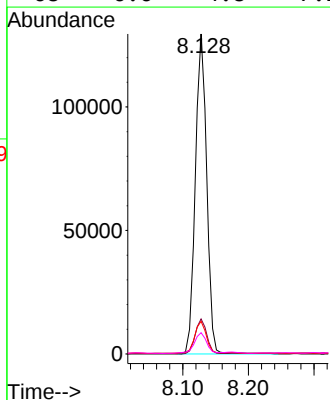
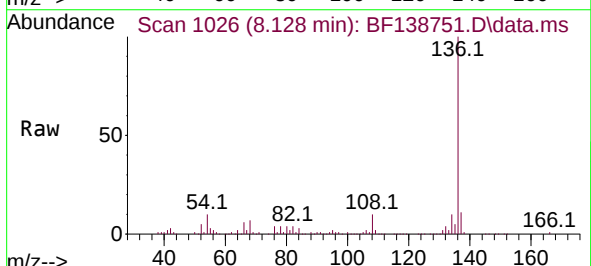
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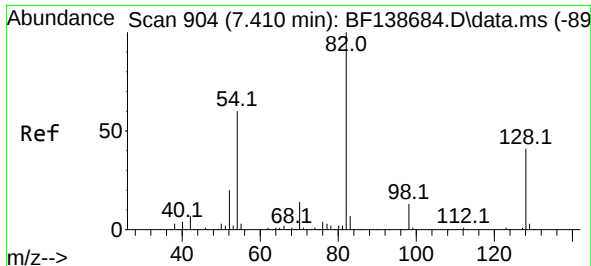
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Tgt Ion:136 Resp: 156727
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 10.2 8.6 12.8
68 6.6 4.8 7.2





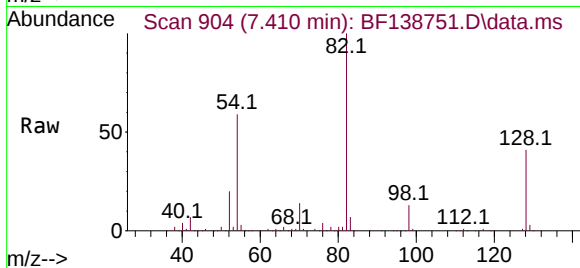
#23
Nitrobenzene-d5
Concen: 86.607 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124

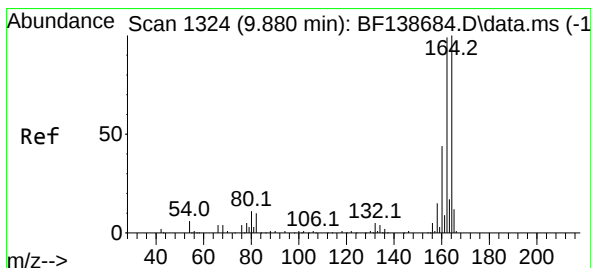
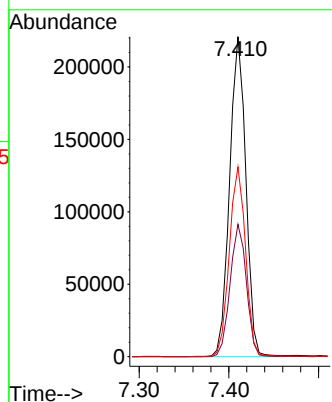
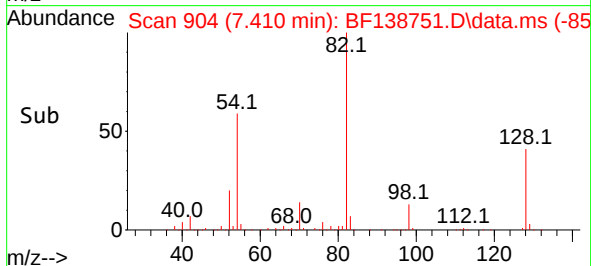


Tgt Ion: 82 Resp: 277630
Ion Ratio Lower Upper
82 100
128 41.4 32.8 49.2
54 59.3 48.3 72.5

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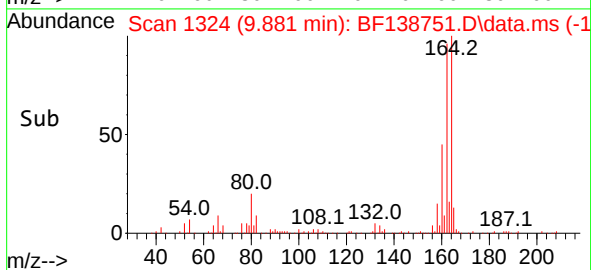
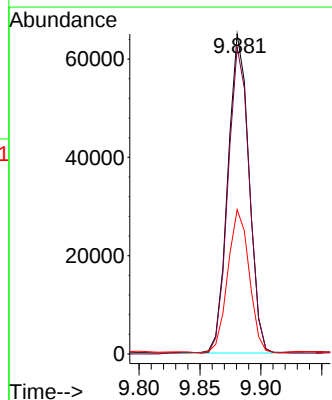
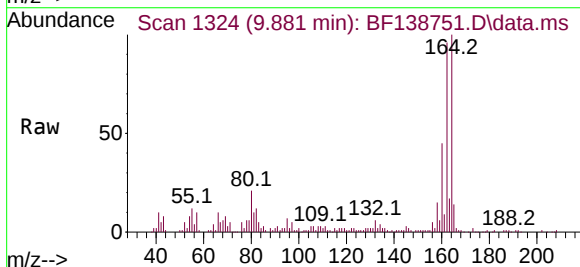
APPROVED

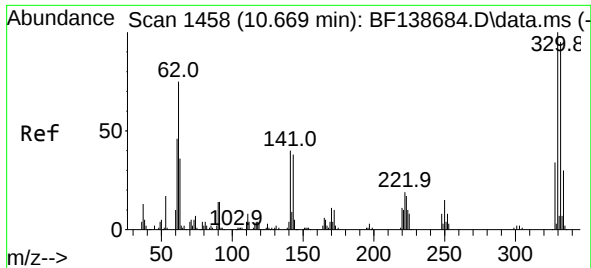
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Tgt Ion:164 Resp: 78183
Ion Ratio Lower Upper
164 100
162 95.8 79.4 119.0
160 45.1 35.1 52.7





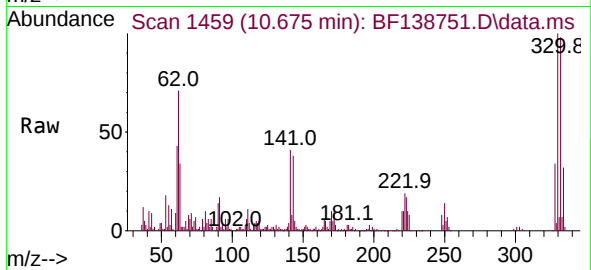
#42
2,4,6-Tribromophenol
Concen: 145.526 ng
RT: 10.675 min Scan# 1458
Delta R.T. 0.006 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124



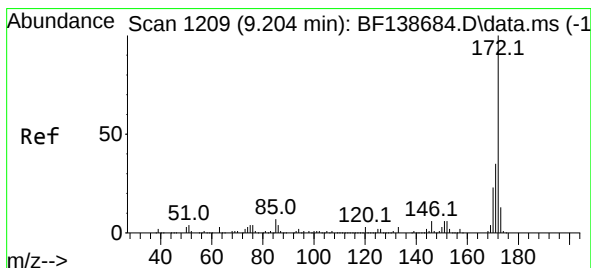
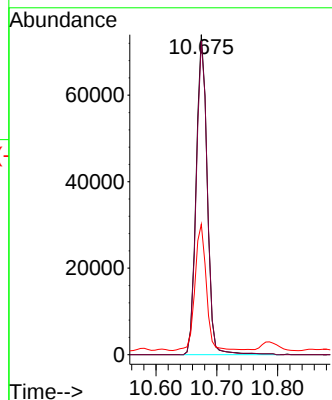
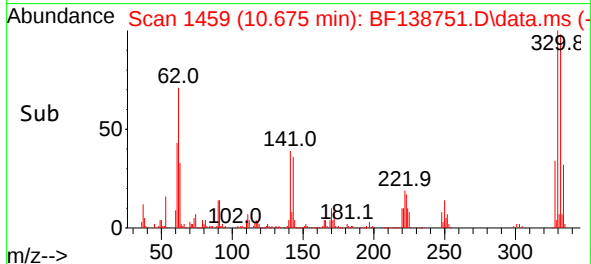
Tgt Ion:330 Resp: 93198
Ion Ratio Lower Upper
330 100
332 97.7 76.4 114.6
141 40.6 31.1 46.7

Manual Integrations

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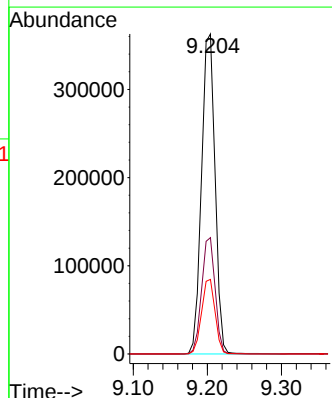
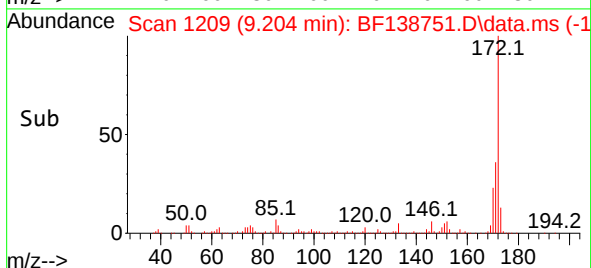
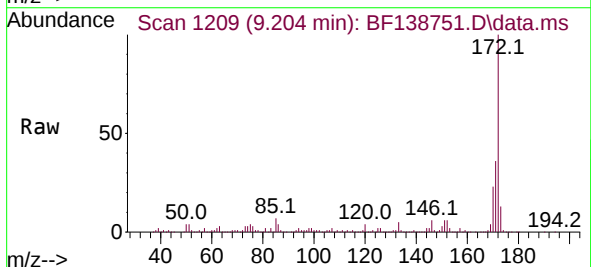
Reviewed By :Yogesh Patel 08/03/2024

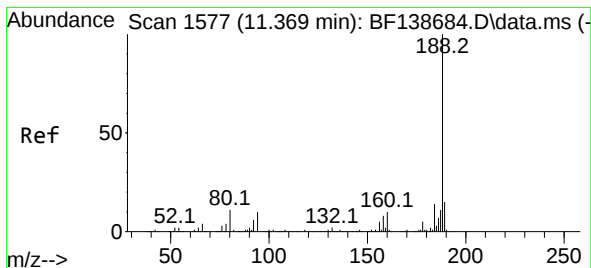
Supervised By :mohammad ahmed 08/03/2024



#45
2-Fluorobiphenyl
Concen: 88.709 ng
RT: 9.204 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Tgt Ion:172 Resp: 461602
Ion Ratio Lower Upper
172 100
171 36.3 28.3 42.5
170 23.3 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1577

Delta R.T. 0.000 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124

Tgt Ion:188 Resp: 153599

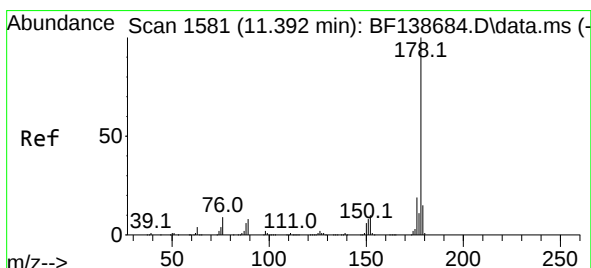
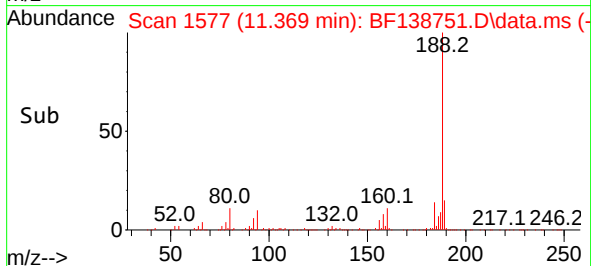
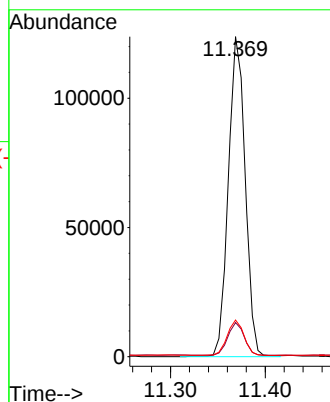
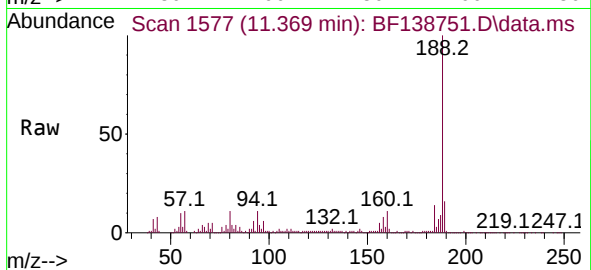
Ion	Ratio	Lower	Upper
188	100		
94	10.6	7.6	11.4
80	11.5	8.6	12.8

Manual Integrations

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Supervised By :mohammad ahmed 08/03/2024



#71

Phenanthrene

Concen: 16.902 ng

RT: 11.392 min Scan# 1581

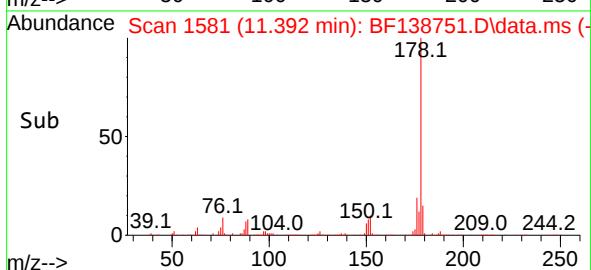
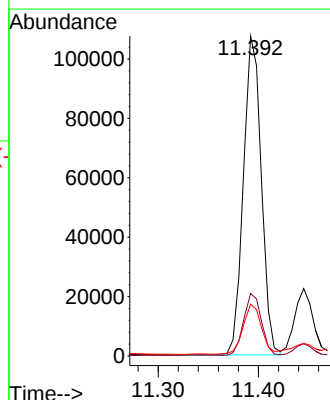
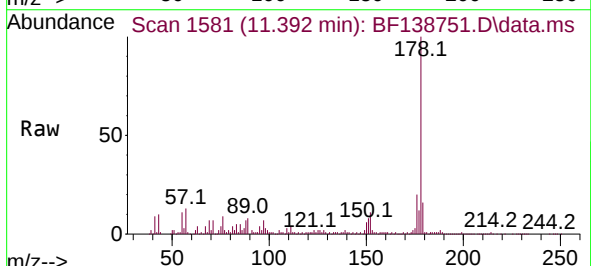
Delta R.T. 0.000 min

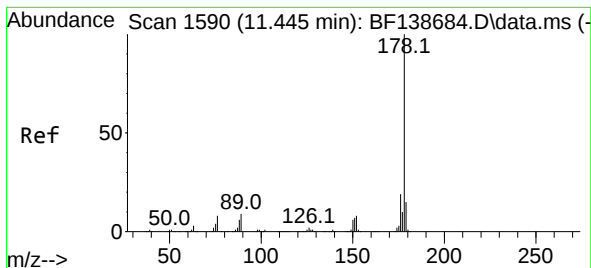
Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Tgt Ion:178 Resp: 133684

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	16.2	12.2	18.2





#72

Anthracene

Concen: 3.706 ng m

RT: 11.445 min Scan# 1590

Delta R.T. 0.000 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124

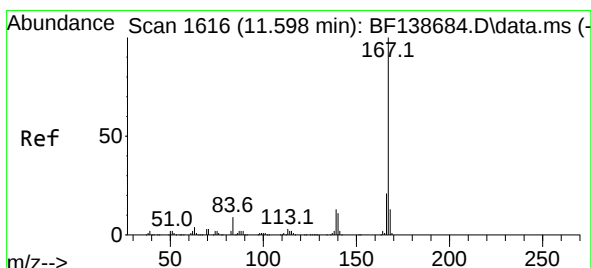
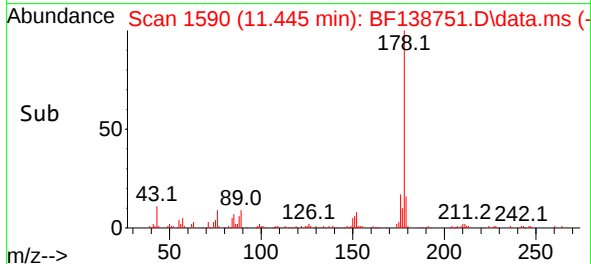
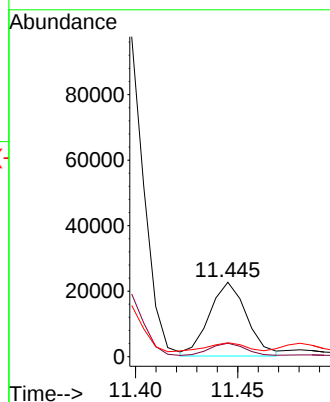
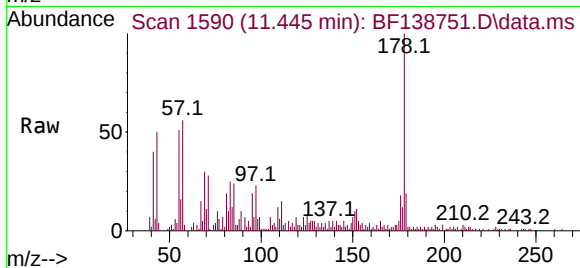
Tgt Ion:178	Resp:	28874
Ion Ratio	Lower	Upper
178	100	
176	18.0	14.9 22.3
179	18.8	12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/03/2024

Supervised By :mohammad ahmed 08/03/2024



#73

Carbazole

Concen: 2.144 ng

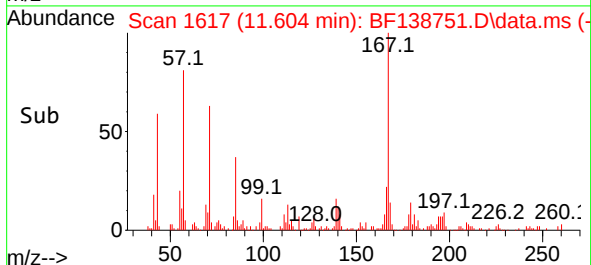
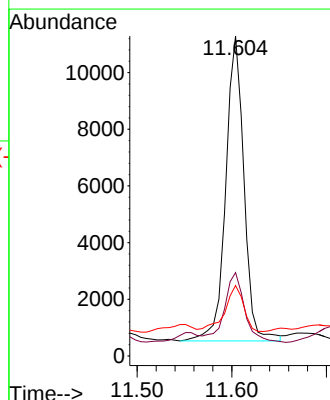
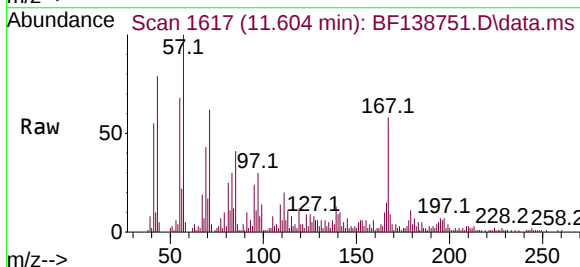
RT: 11.604 min Scan# 1617

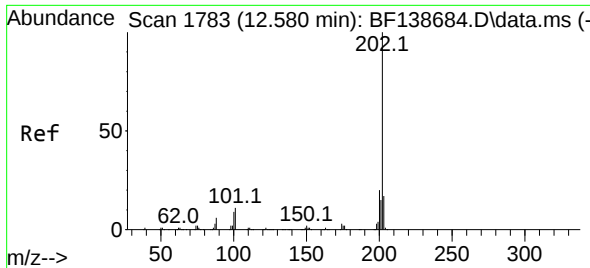
Delta R.T. 0.006 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Tgt Ion:167	Resp:	14413
Ion Ratio	Lower	Upper
167	100	
166	26.0	17.2 25.8#
139	22.0	10.6 16.0#





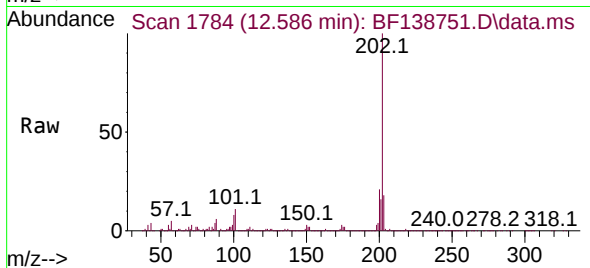
#75
Fluoranthene
Concen: 52.256 ng
RT: 12.586 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124

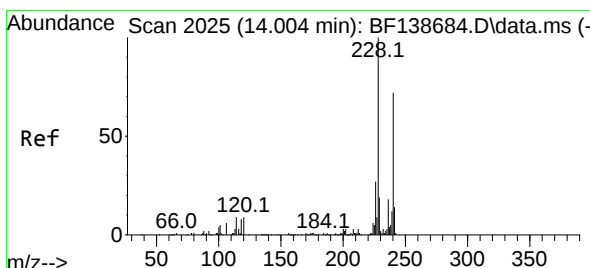
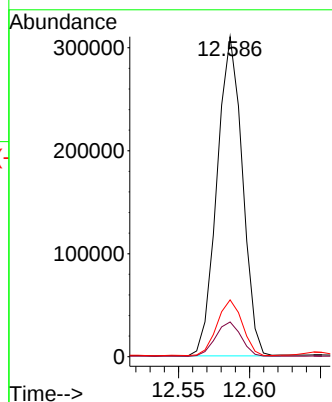
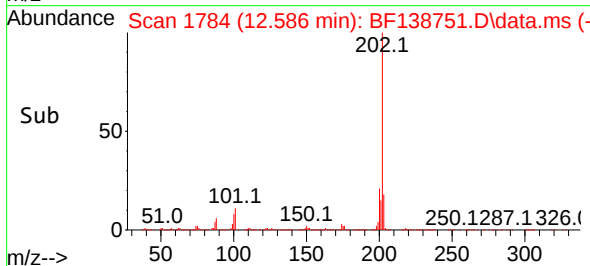


Tgt Ion:202 Resp: 385838
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.2
203 17.7 0.0 37.3

Manual Integrations

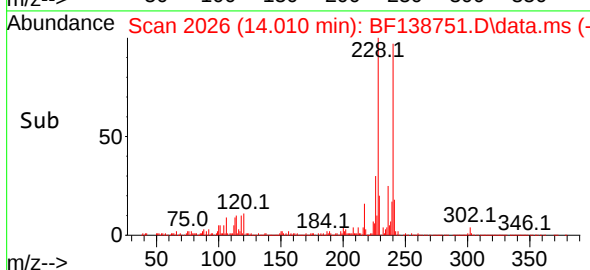
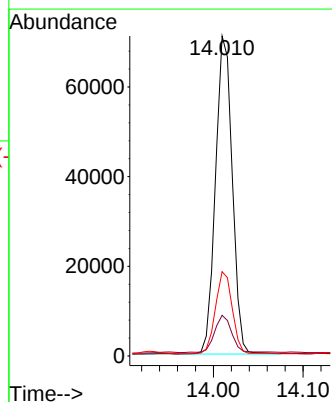
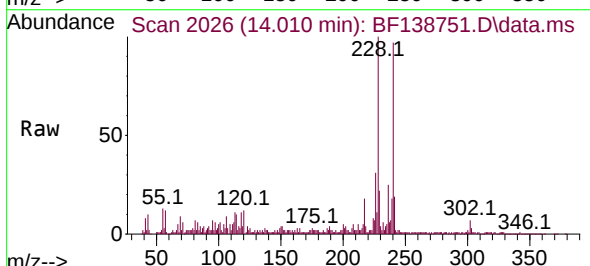
APPROVED

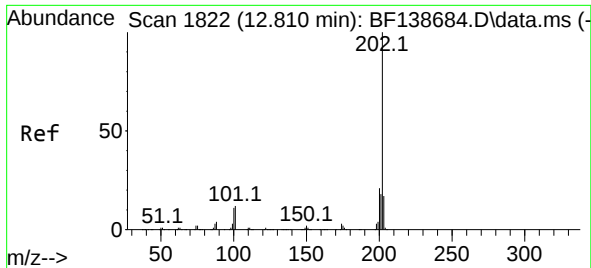
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

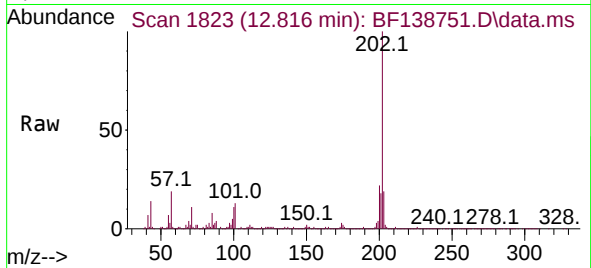
Tgt Ion:240 Resp: 92068
Ion Ratio Lower Upper
240 100
120 12.7 10.2 15.4
236 26.4 19.8 29.8





#78
Pyrene
Concen: 37.427 ng
RT: 12.816 min Scan# 1822
Delta R.T. 0.006 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

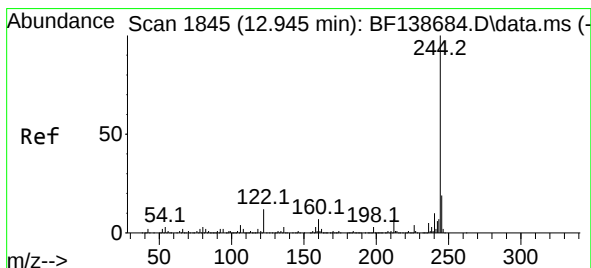
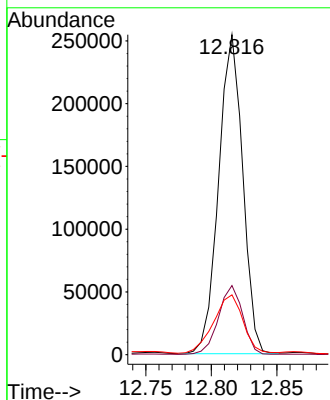
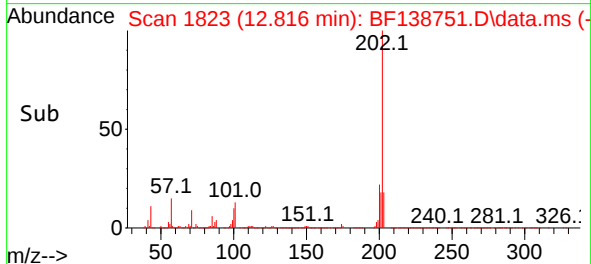
Instrument :
BNA_F
ClientSampleId :
TR-06-073124



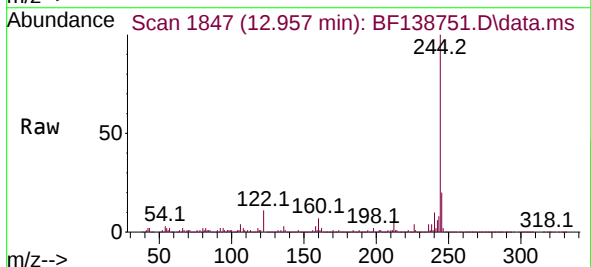
Tgt Ion:202 Resp: 324435
Ion Ratio Lower Upper
202 100
200 21.6 16.8 25.2
203 18.7 13.8 20.6

Manual Integrations
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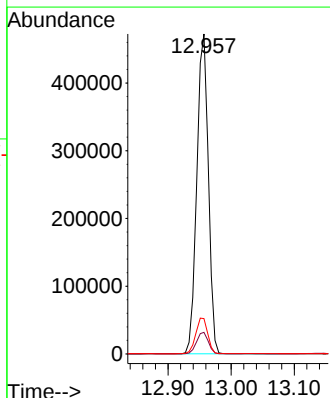
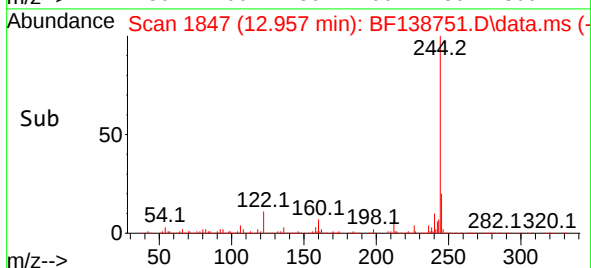
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024

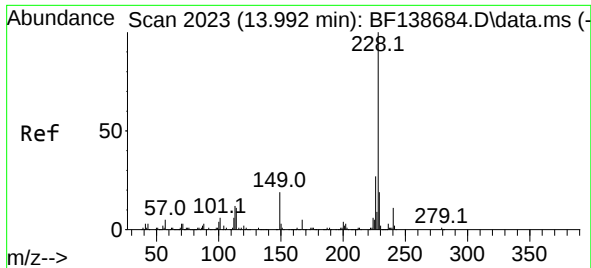


#79
Terphenyl-d14
Concen: 108.913 ng
RT: 12.957 min Scan# 1847
Delta R.T. 0.012 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14



Tgt Ion:244 Resp: 598912
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 11.1 9.6 14.4





#81
Benzo(a)anthracene
Concen: 25.176 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.012 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

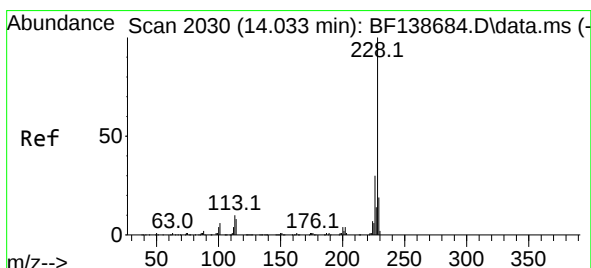
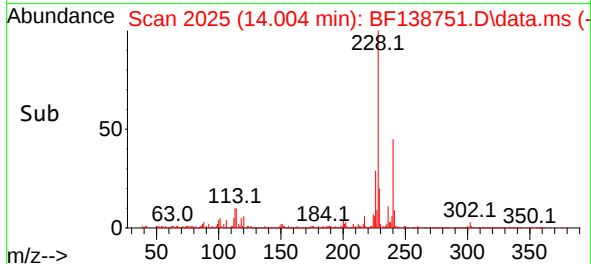
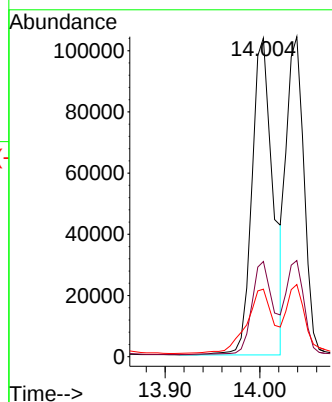
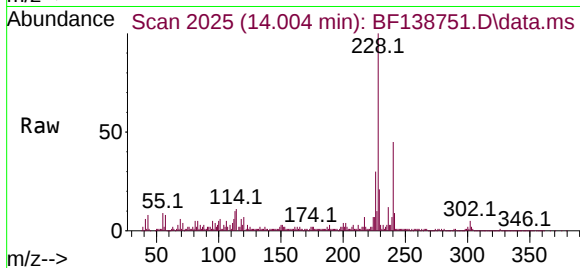
TR-06-073124

Tgt Ion:228 Resp: 159618
Ion Ratio Lower Upper
228 100
226 29.9 22.1 33.1
229 21.2 15.4 23.0

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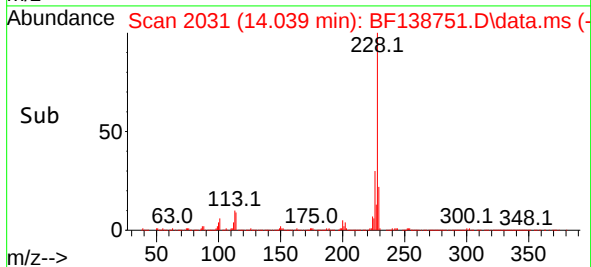
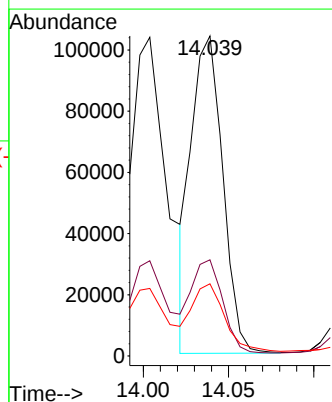
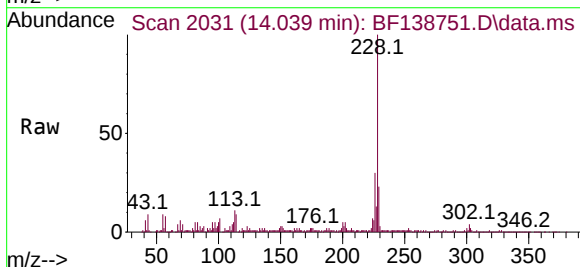
APPROVED

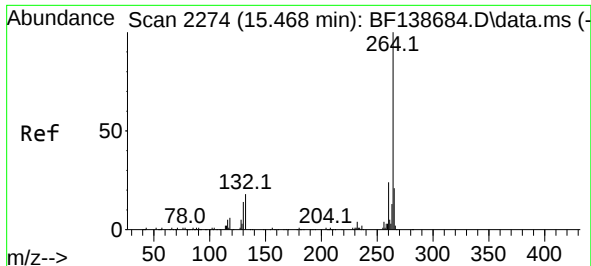
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024



#83
Chrysene
Concen: 23.280 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Tgt Ion:228 Resp: 133162
Ion Ratio Lower Upper
228 100
226 30.1 23.7 35.5
229 22.6 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

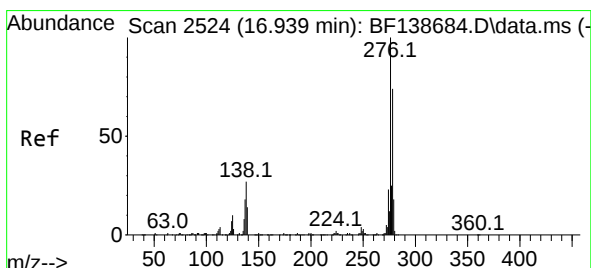
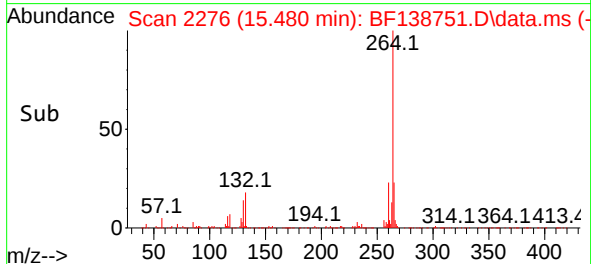
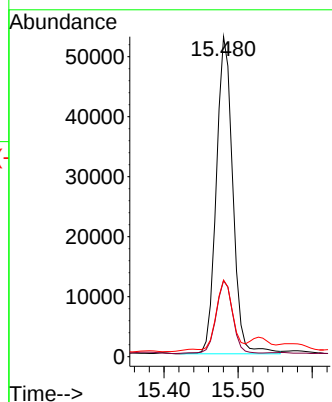
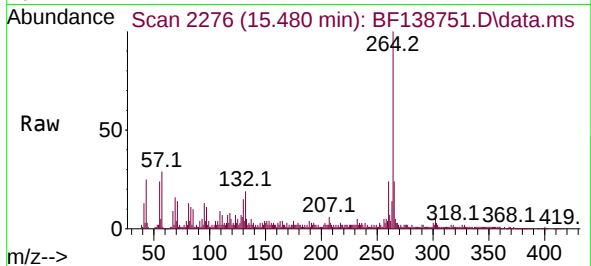
ClientSampleId :

TR-06-073124

Tgt Ion:264 Resp: 81484
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.6
265 24.0 17.0 25.6

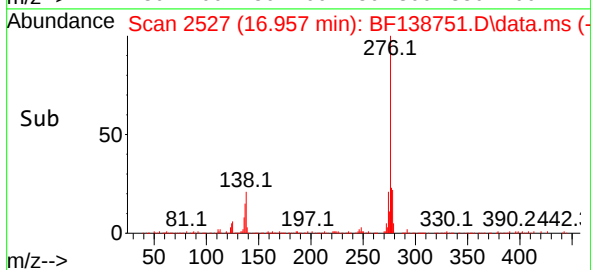
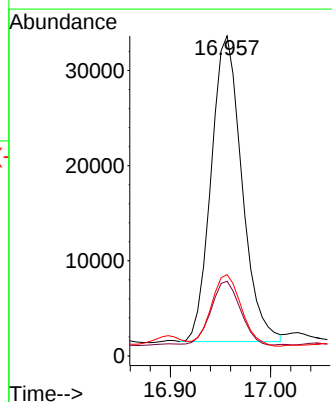
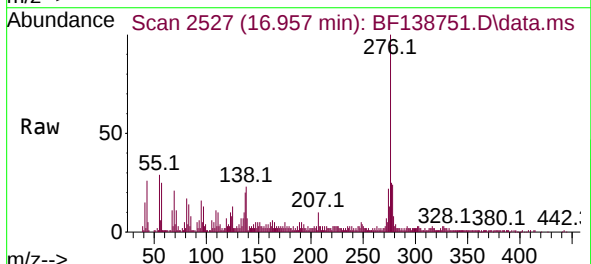
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APPROVED

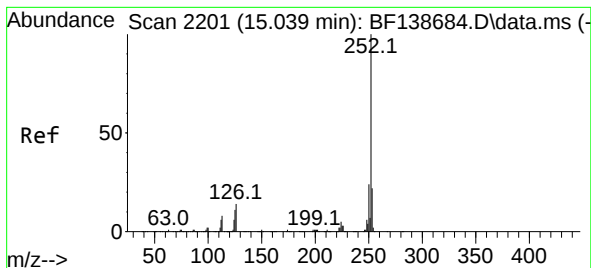
Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.717 ng
RT: 16.957 min Scan# 2527
Delta R.T. 0.018 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Tgt Ion:276 Resp: 68419
Ion Ratio Lower Upper
276 100
138 20.5 21.8 32.8#
277 23.4 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 35.046 ng m

RT: 15.057 min Scan# 2204

Delta R.T. 0.018 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

TR-06-073124

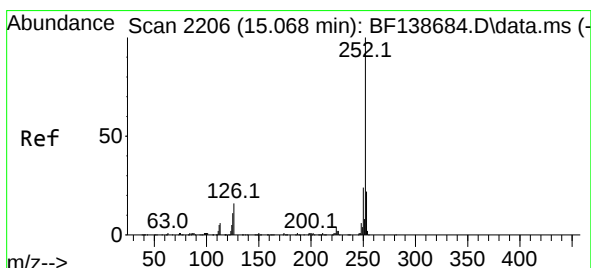
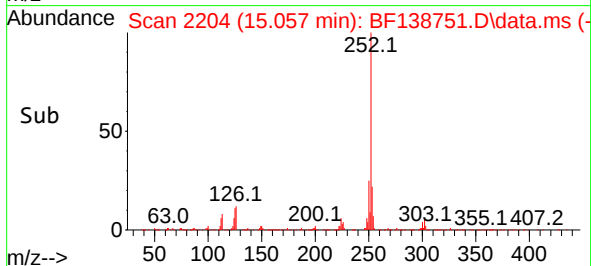
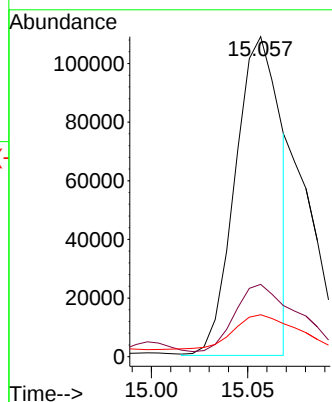
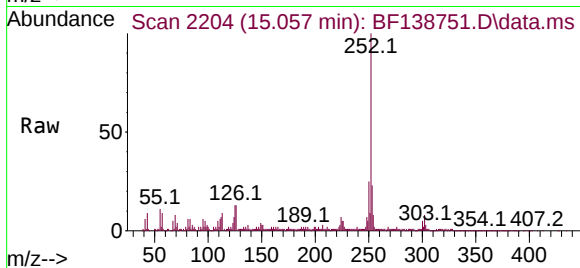
Tgt Ion:252 Resp: 177024
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.5 26.3
 125 13.1 8.9 13.3

Manual Integrations

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Reviewed By :Yogesh Patel 08/03/2024

Supervised By :mohammad ahmed 08/03/2024



#89

Benzo(k)fluoranthene

Concen: 15.655 ng m

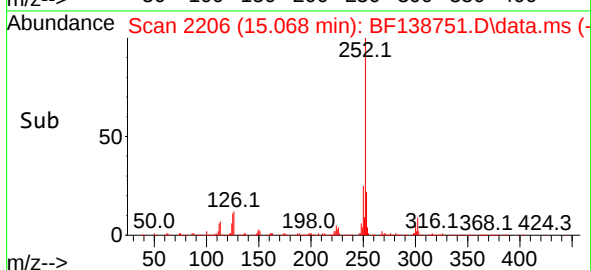
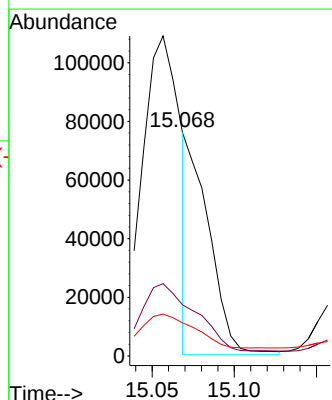
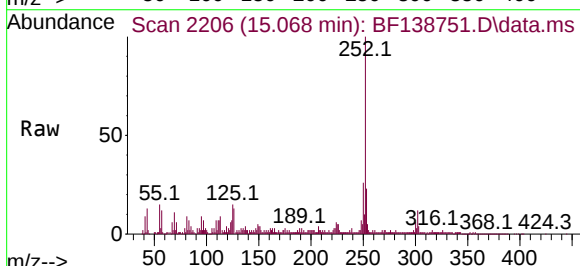
RT: 15.068 min Scan# 2206

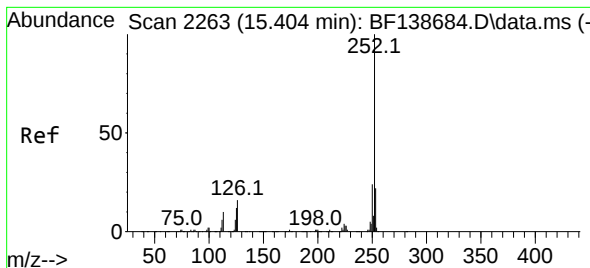
Delta R.T. 0.000 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Tgt Ion:252 Resp: 68468
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.4 26.0
 125 14.8 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 28.351 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

Instrument :

BNA_F

ClientSampleId :

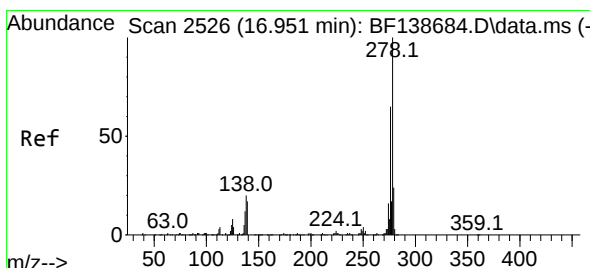
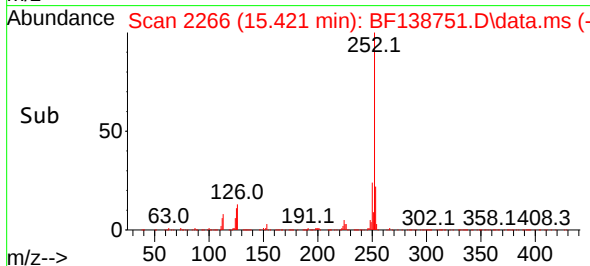
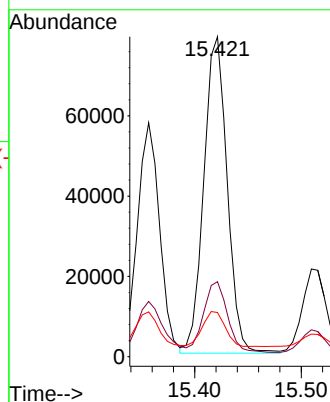
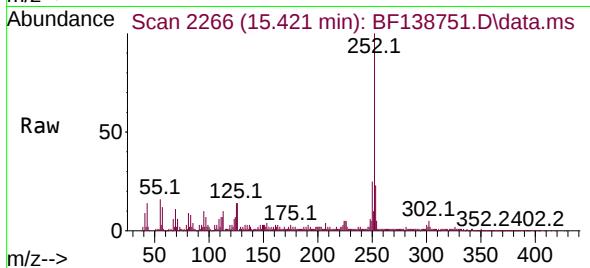
TR-06-073124

Tgt Ion:252 Resp: 120450
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.3 25.9
 125 13.8 9.5 14.3

Manual Integrations

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Reviewed By :Yogesh Patel 08/03/2024
 Supervised By :mohammad ahmed 08/03/2024



#91

Dibenzo(a,h)anthracene

Concen: 3.140 ng

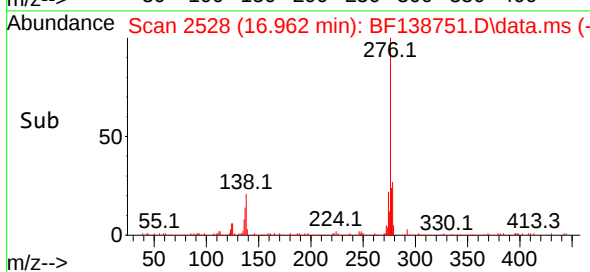
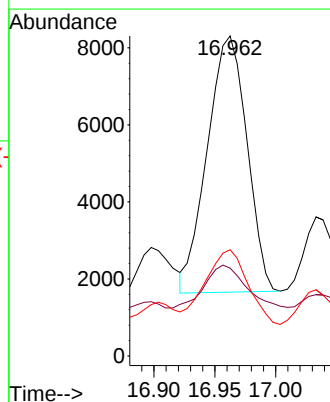
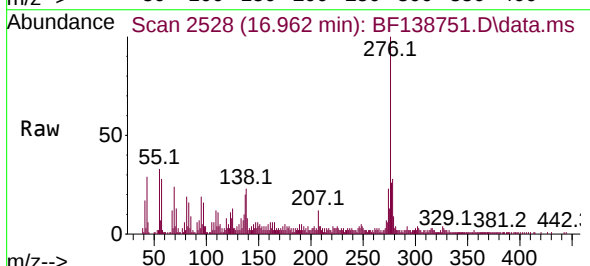
RT: 16.962 min Scan# 2528

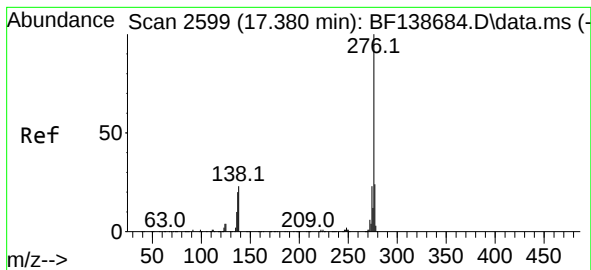
Delta R.T. 0.012 min

Lab File: BF138751.D

Acq: 02 Aug 2024 17:14

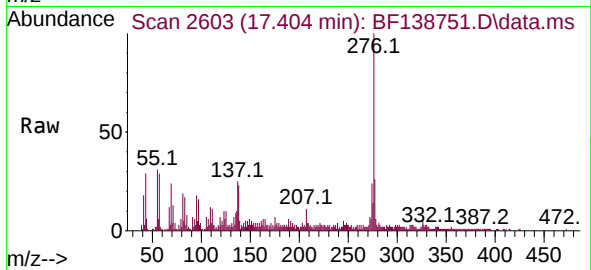
Tgt Ion:278 Resp: 15049
 Ion Ratio Lower Upper
 278 100
 139 27.5 14.0 21.0#
 279 33.2 19.0 28.4#





#92
Benzo(g,h,i)perylene
Concen: 13.497 ng
RT: 17.404 min Scan# 20
Delta R.T. 0.024 min
Lab File: BF138751.D
Acq: 02 Aug 2024 17:14

Instrument :
BNA_F
ClientSampleId :
TR-06-073124



Tgt Ion: 276 Resp: 67138
Ion Ratio Lower Upper
276 100
277 25.6 19.0 28.4
138 23.4 18.5 27.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/03/2024
Supervised By :mohammad ahmed 08/03/2024

