

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138795.D
 Acq On : 05 Aug 2024 20:24
 Operator : RC/JU
 Sample : P3448-05 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 00:56:36 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	46814	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	167460	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	71543	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	113184	20.000	ng	0.00
76) Chrysene-d12	14.016	240	74926	20.000	ng	0.01
86) Perylene-d12	15.480	264	62786	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	45073	14.862	ng	0.00
7) Phenol-d6	6.481	99	58692	14.415	ng	0.00
23) Nitrobenzene-d5	7.404	82	36048	10.525	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	7983	13.622	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	57874	12.154	ng	0.00
79) Terphenyl-d14	12.951	244	51772	11.569	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.145	128	30562	3.467	ng	99
49) Acenaphthylene	9.739	152	17866	3.023	ng	96
52) Acenaphthene	9.910	154	31046	7.814	ng	99
55) Dibenzofuran	10.081	168	33340	5.945	ng	# 93
58) Fluorene	10.428	166	54524	12.208	ng	99
71) Phenanthrene	11.398	178	775653	133.089	ng	99
72) Anthracene	11.445	178	186515	32.486	ng	100
73) Carbazole	11.604	167	39888	8.053	ng	97
75) Fluoranthene	12.592	202	1086533	199.699	ng	99
78) Pyrene	12.822	202	894236	126.761	ng	98
81) Benzo(a)anthracene	14.004	228	382508	74.136	ng	98
83) Chrysene	14.039	228	303241	65.144	ng	97
87) Indeno(1,2,3-cd)pyrene	16.951	276	85719	19.051	ng	# 91
88) Benzo(b)fluoranthene	15.057	252	255496m	65.644	ng	
89) Benzo(k)fluoranthene	15.068	252	96905m	28.756	ng	
90) Benzo(a)pyrene	15.421	252	182146	55.637	ng	97
91) Dibenzo(a,h)anthracene	16.957	278	22401	6.065	ng	94
92) Benzo(g,h,i)perylene	17.404	276	78286	20.426	ng	96

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

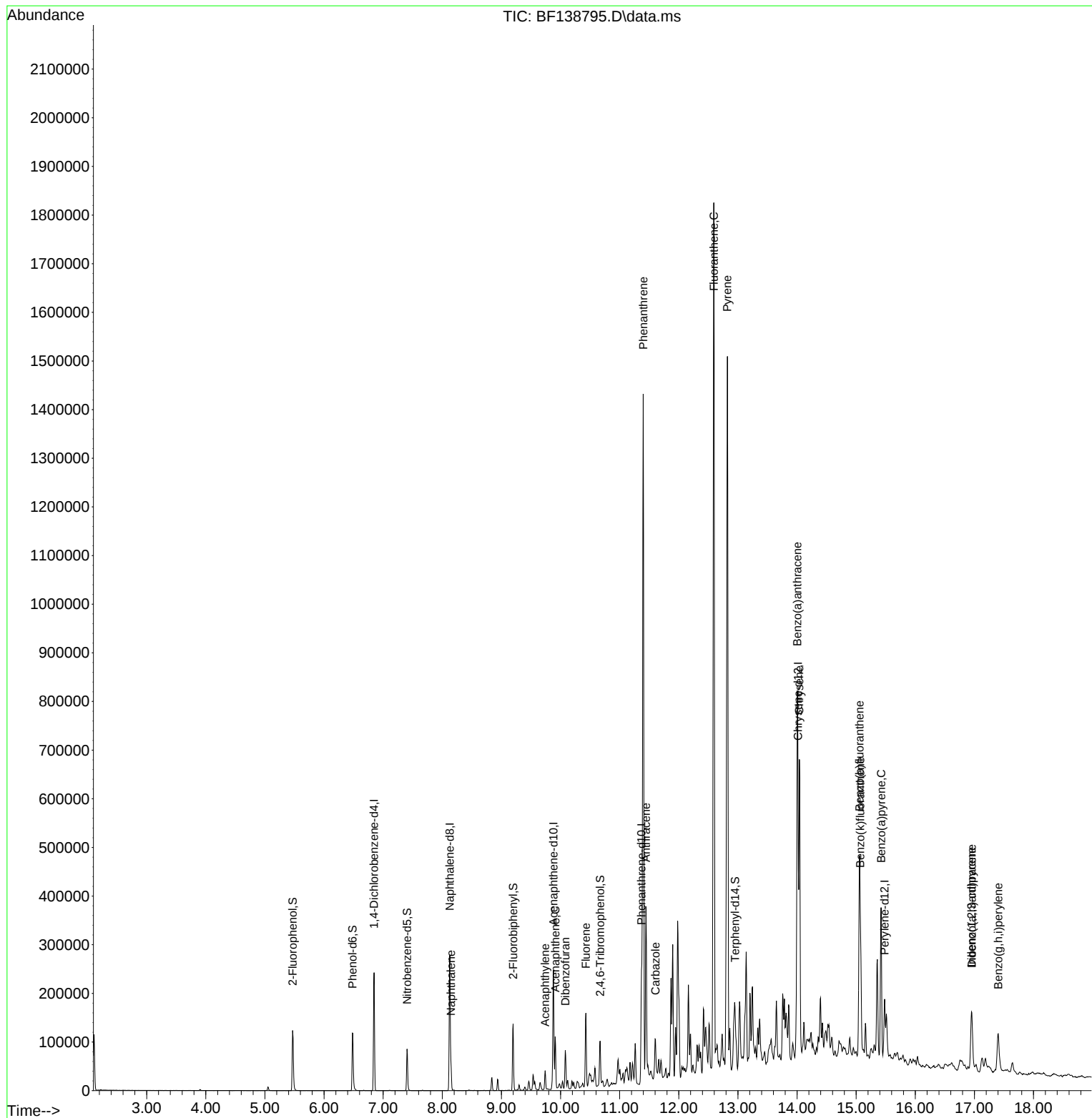
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
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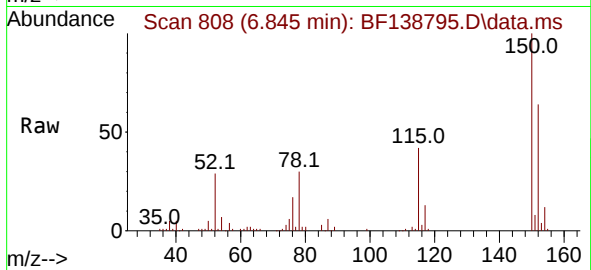
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

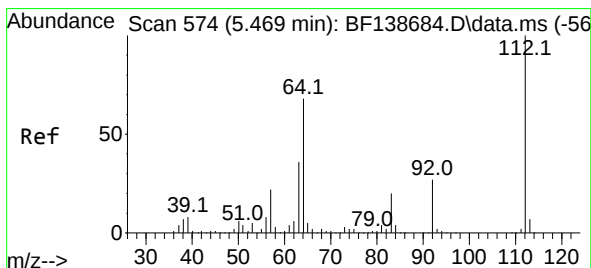
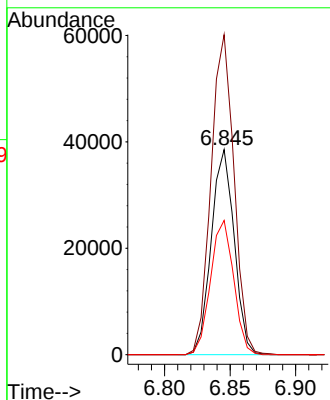
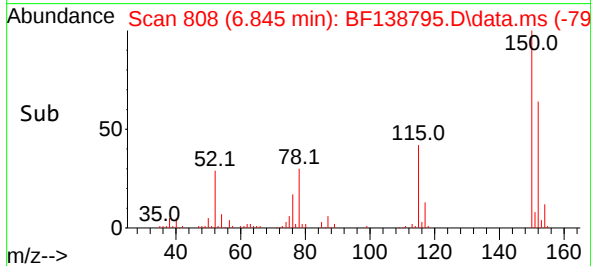
Instrument :
BNA_F
ClientSampleId :
TP3



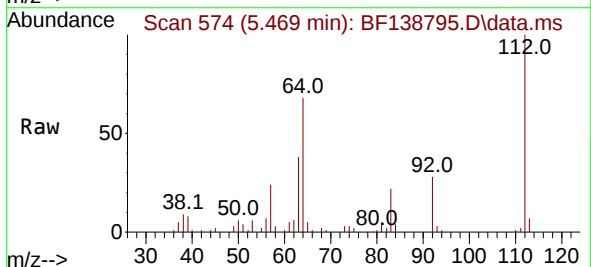
Tgt Ion:152 Resp: 46814
Ion Ratio Lower Upper
152 100
150 156.0 126.0 189.0
115 65.5 51.7 77.5

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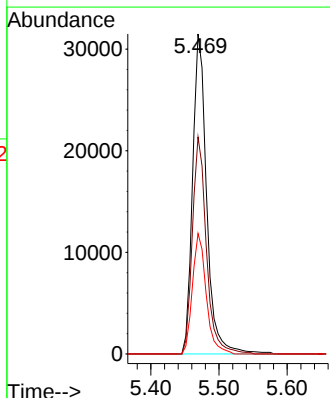
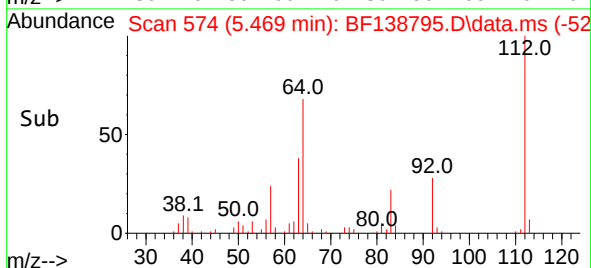
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#5
2-Fluorophenol
Concen: 14.862 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24



Tgt Ion:112 Resp: 45073
Ion Ratio Lower Upper
112 100
64 67.8 54.2 81.4
63 37.7 28.7 43.1





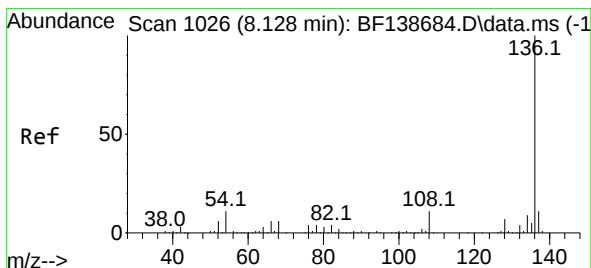
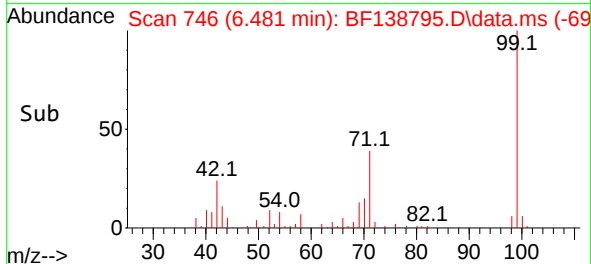
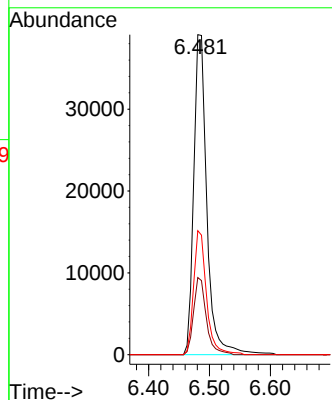
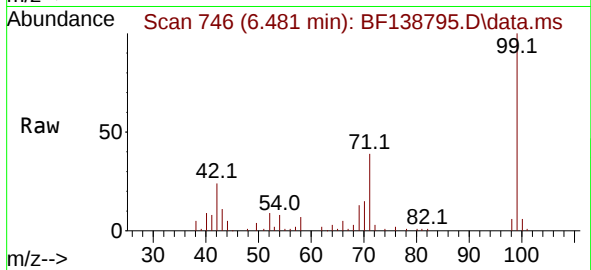
#7
Phenol-d6
Concen: 14.415 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Instrument :
BNA_F
ClientSampleId :
TP3

Tgt Ion: 99 Resp: 5869
Ion Ratio Lower Upper
99 100
42 24.1 17.4 26.0
71 38.7 28.1 42.1

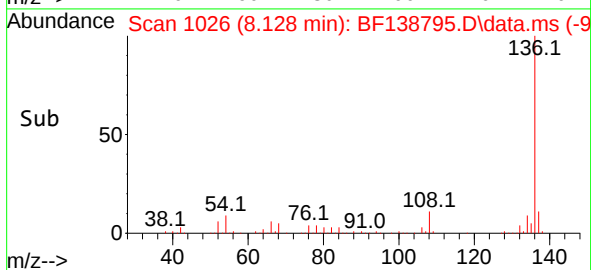
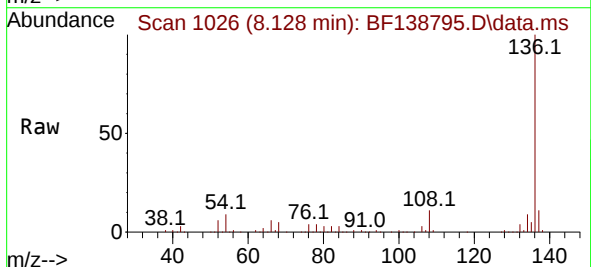
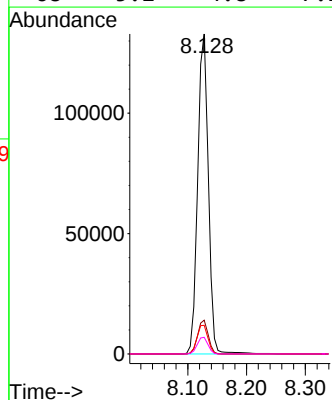
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Supervised By :mohammad ahmed 08/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Tgt Ion:136 Resp: 167460
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 9.0 8.6 12.8
68 5.2 4.8 7.2





#23

Nitrobenzene-d5

Concen: 10.525 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Instrument :

BNA_F

ClientSampleId :

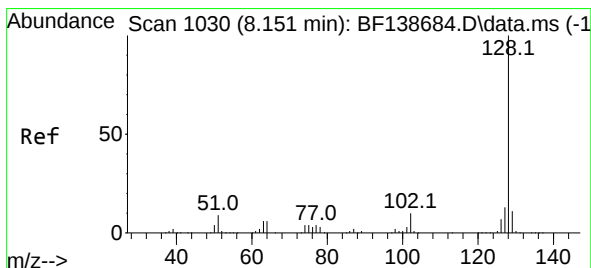
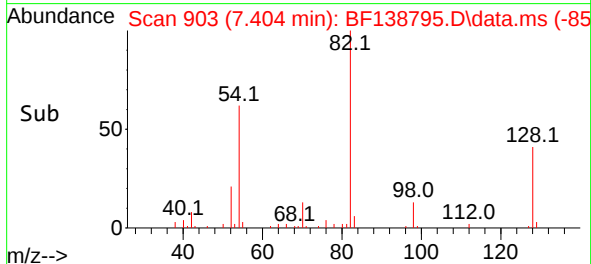
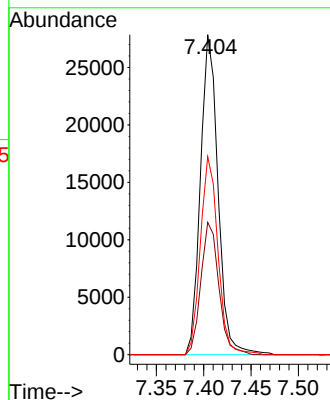
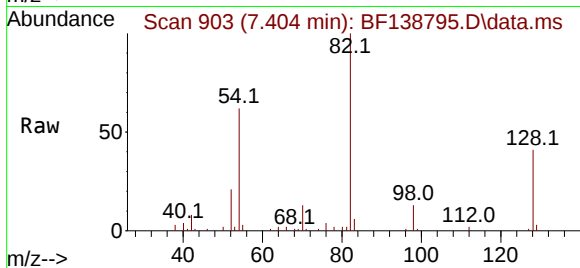
TP3

Tgt Ion: 82	Resp: 3604
Ion Ratio	Lower Upper
82	100
128	41.4 32.8 49.2
54	61.9 48.3 72.5

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#31

Naphthalene

Concen: 3.467 ng

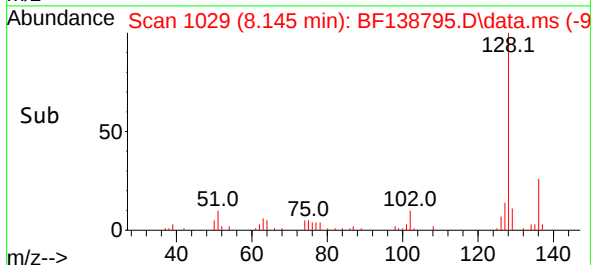
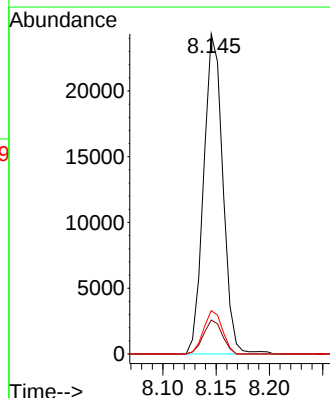
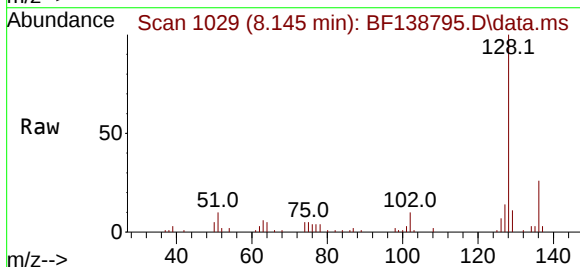
RT: 8.145 min Scan# 1029

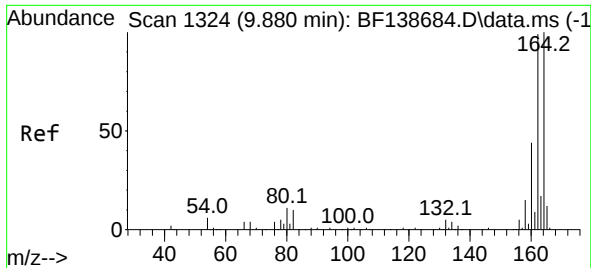
Delta R.T. -0.006 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

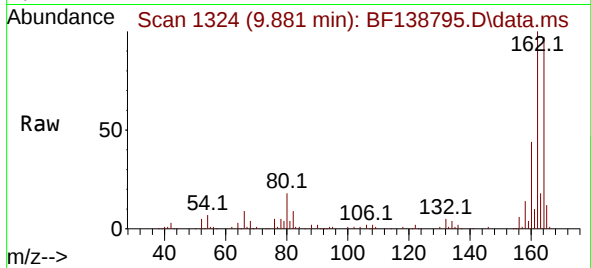
Tgt Ion:128	Resp: 30562
Ion Ratio	Lower Upper
128	100
129	10.6 8.7 13.1
127	13.5 10.6 16.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 11
Delta R.T. 0.001 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

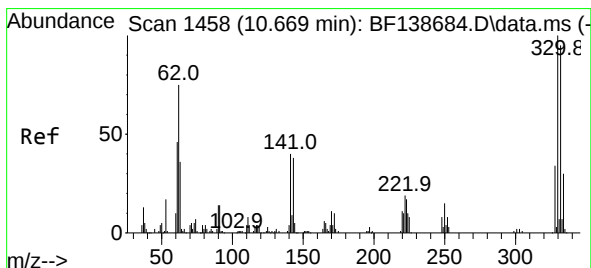
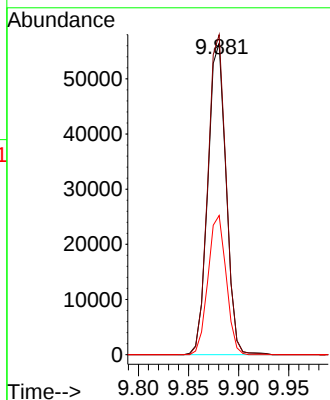
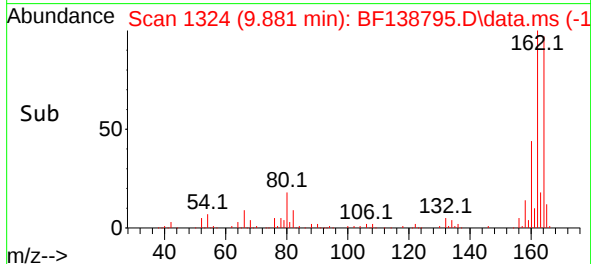
Instrument :
BNA_F
ClientSampleId :
TP3



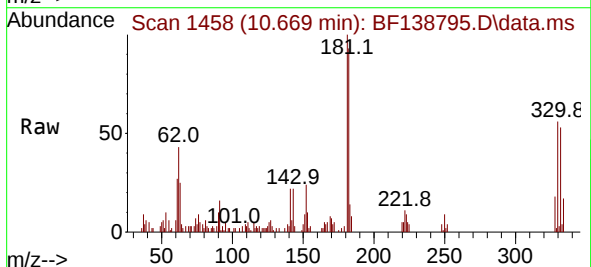
Tgt Ion:164 Resp: 7154
Ion Ratio Lower Upper
164 100
162 102.7 79.4 119.0
160 44.7 35.1 52.7

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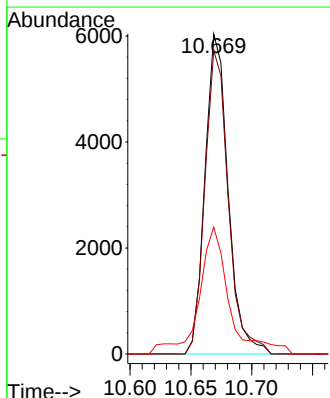
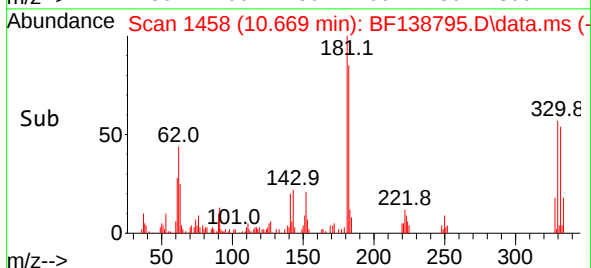
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

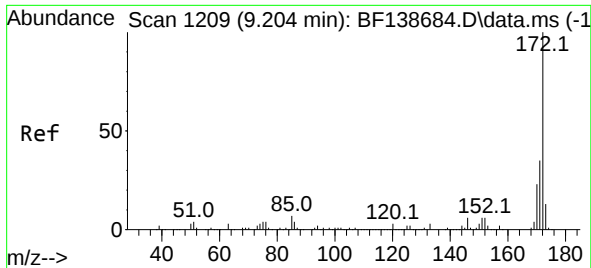


#42
2,4,6-Tribromophenol
Concen: 13.622 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24



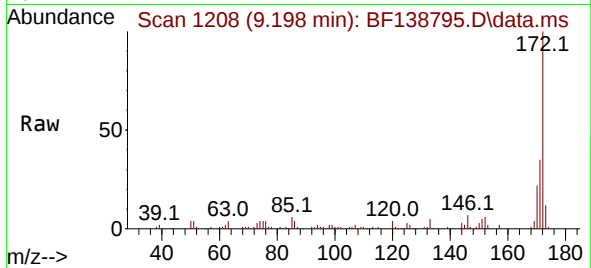
Tgt Ion:330 Resp: 7983
Ion Ratio Lower Upper
330 100
332 96.1 76.4 114.6
141 51.7 31.1 46.7#





#45
2-Fluorobiphenyl
Concen: 12.154 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

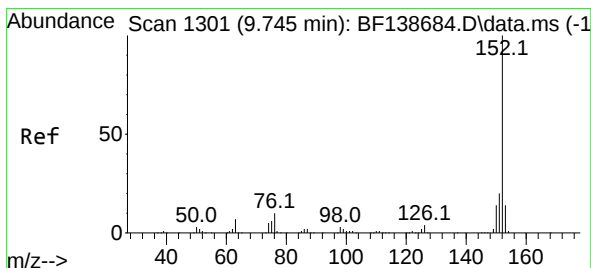
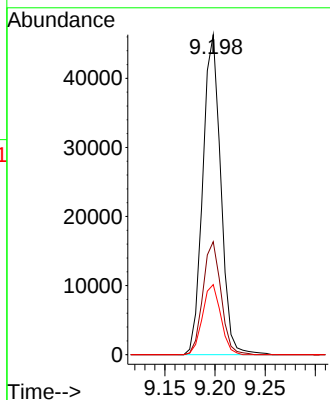
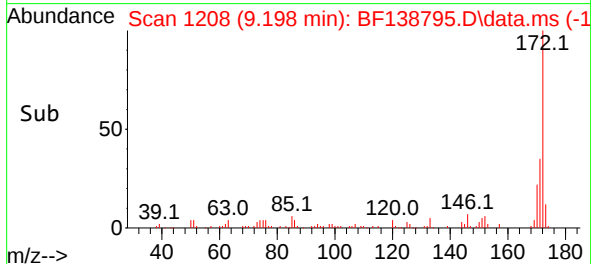
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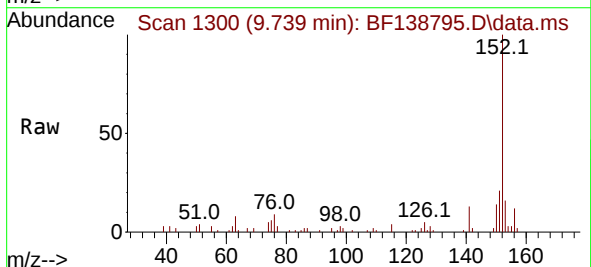
Tgt Ion:172 Resp: 57874
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 21.9 18.8 28.2

Manual Integrations
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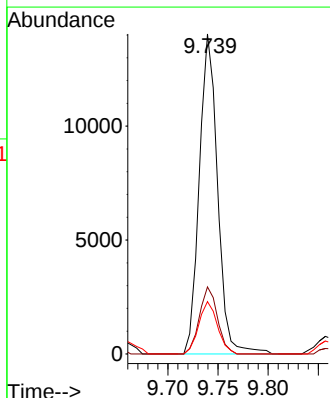
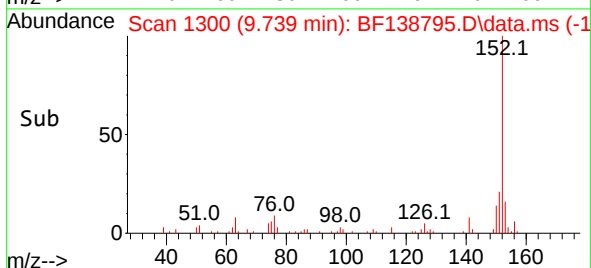
Reviewed By :Jagrut Upadhyay 08/06/2024
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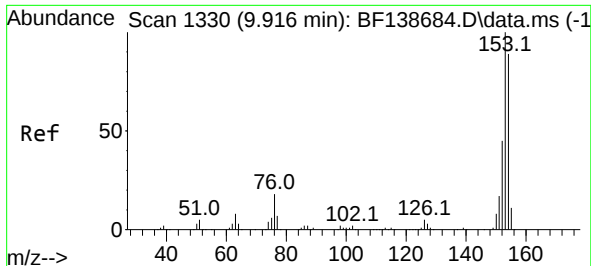


#49
Acenaphthylene
Concen: 3.023 ng
RT: 9.739 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24



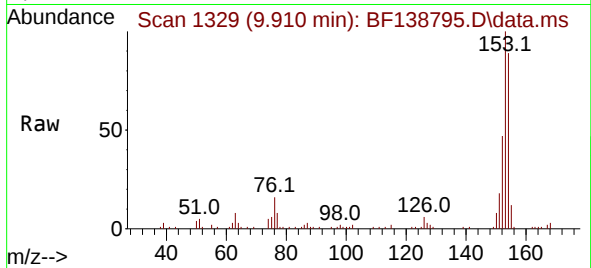
Tgt Ion:152 Resp: 17866
Ion Ratio Lower Upper
152 100
151 21.0 16.0 24.0
153 16.3 11.0 16.4





#52
Acenaphthene
Concen: 7.814 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

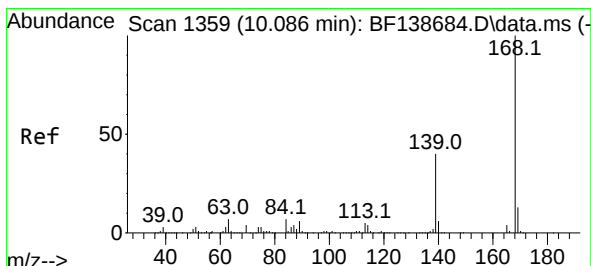
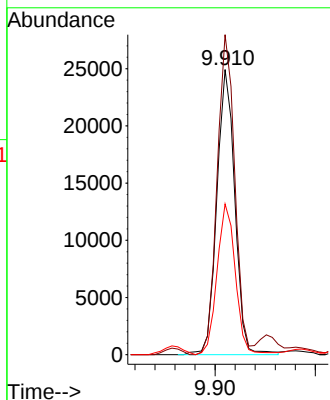
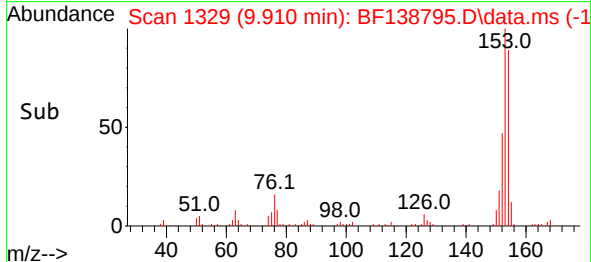
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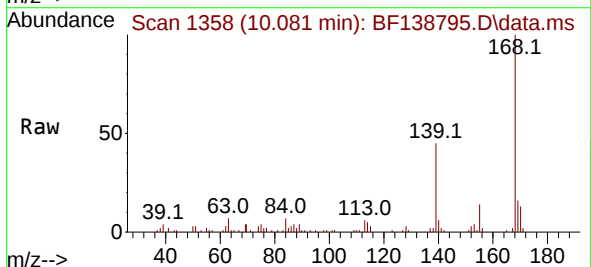
Tgt Ion:154 Resp: 31040
Ion Ratio Lower Upper
154 100
153 112.2 89.9 134.9
152 52.9 40.6 60.8

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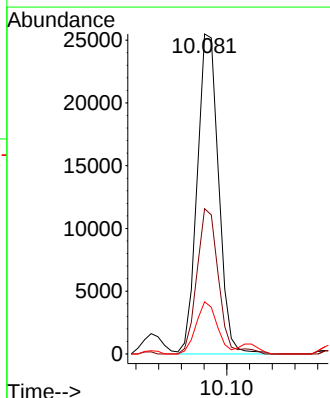
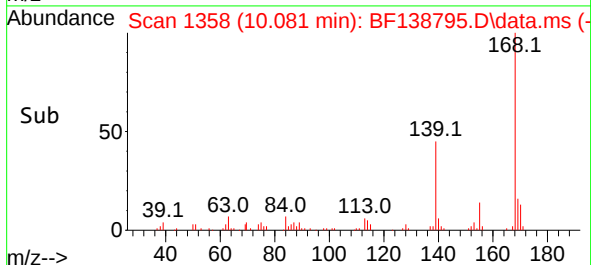
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

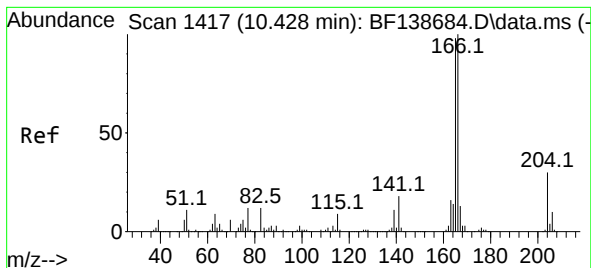


#55
Dibenzofuran
Concen: 5.945 ng
RT: 10.081 min Scan# 1358
Delta R.T. -0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24



Tgt Ion:168 Resp: 33340
Ion Ratio Lower Upper
168 100
139 45.4 32.6 49.0
169 16.3 10.7 16.1#





#58

Fluorene

Concen: 12.208 ng

RT: 10.428 min Scan# 1417

Delta R.T. 0.000 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Instrument :

BNA_F

ClientSampleId :

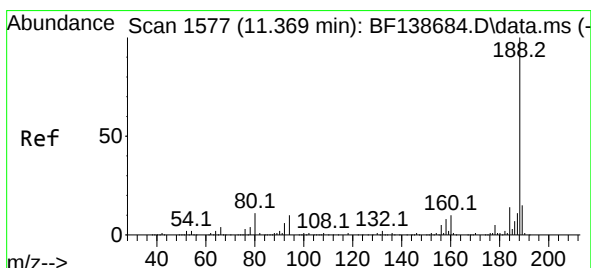
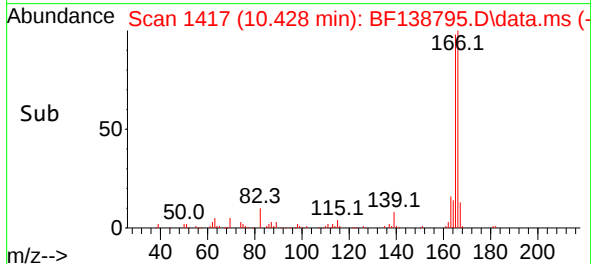
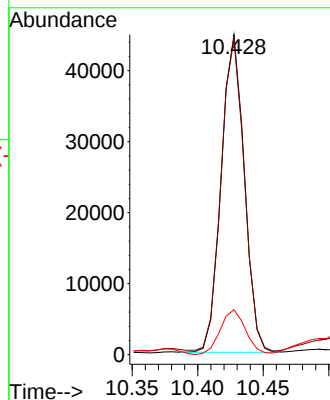
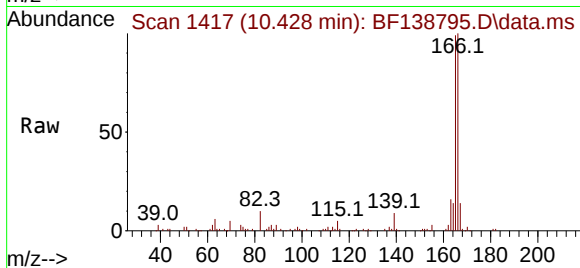
TP3

Tgt Ion:166	Resp:	54524
Ion Ratio	Lower	Upper
166	100	
165	98.6	78.4 117.6
167	14.1	10.6 16.0

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

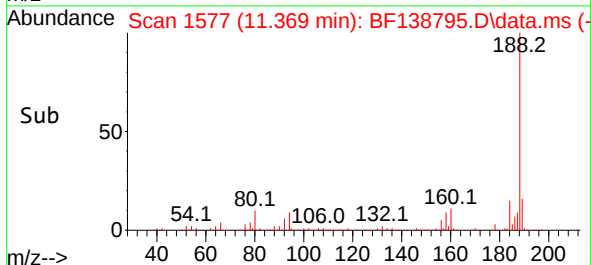
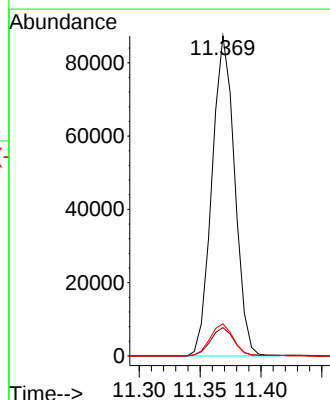
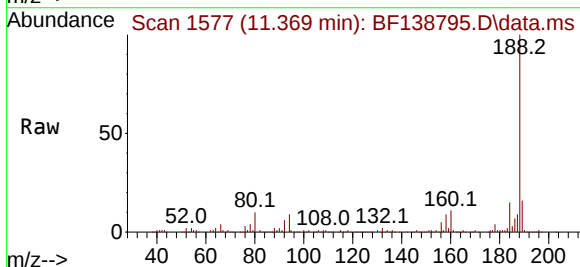
RT: 11.369 min Scan# 1577

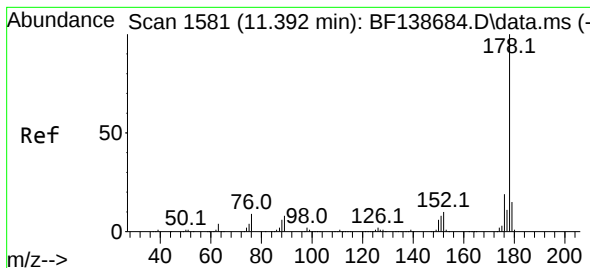
Delta R.T. 0.000 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Tgt Ion:188	Resp:	113184
Ion Ratio	Lower	Upper
188	100	
94	8.9	7.6 11.4
80	10.0	8.6 12.8





#71

Phenanthrene

Concen: 133.089 ng

RT: 11.398 min Scan# 1581

Delta R.T. 0.006 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Instrument :

BNA_F

ClientSampleId :

TP3

Tgt Ion:178 Resp: 77565

Ion Ratio Lower Upper

178 100

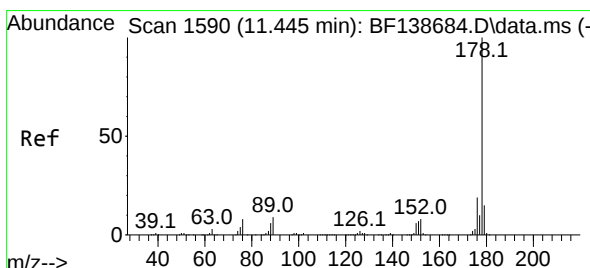
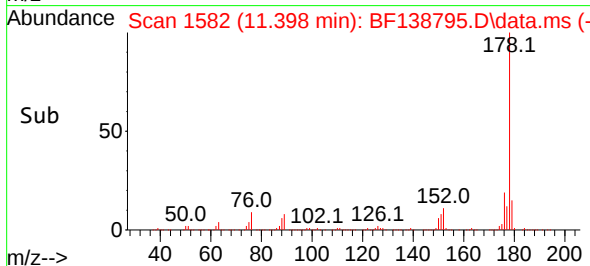
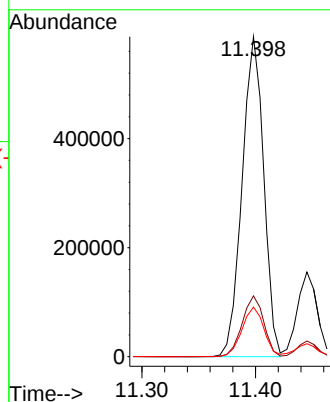
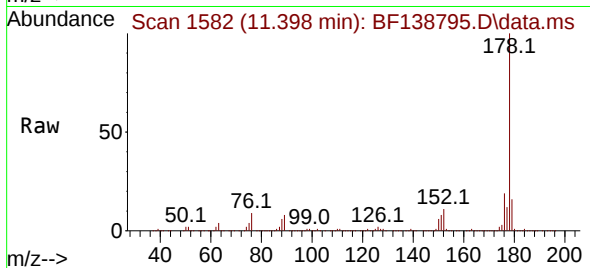
176 19.0 15.4 23.0

179 15.5 12.2 18.2

Manual Integrations

APPROVED

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



#72

Anthracene

Concen: 32.486 ng

RT: 11.445 min Scan# 1590

Delta R.T. 0.000 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

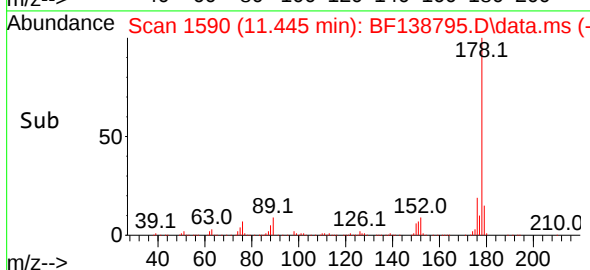
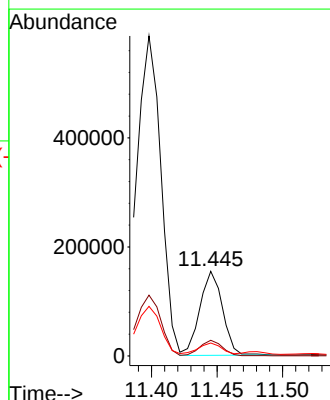
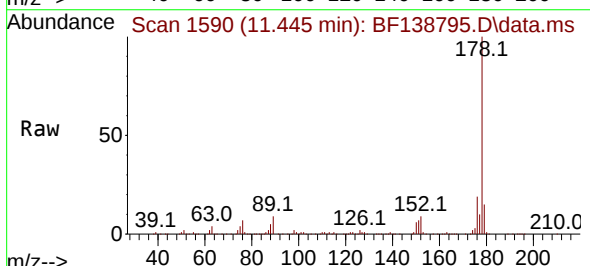
Tgt Ion:178 Resp: 186515

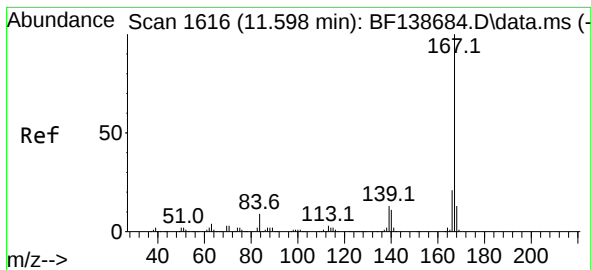
Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 15.4 12.4 18.6





#73

Carbazole

Concen: 8.053 ng

RT: 11.604 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Instrument :

BNA_F

ClientSampleId :

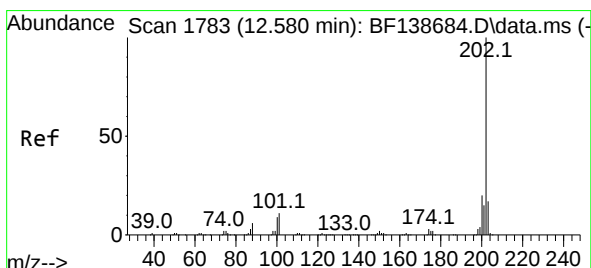
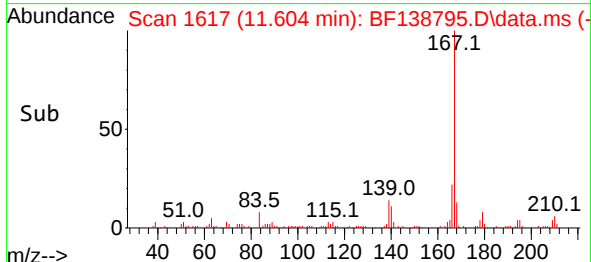
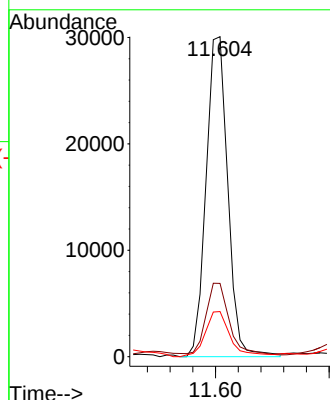
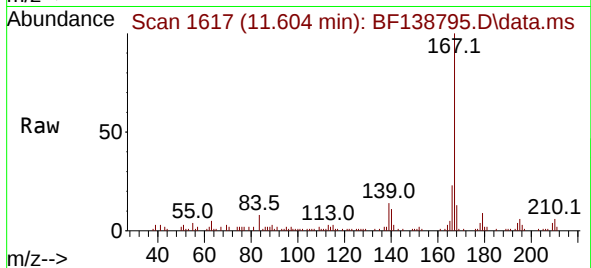
TP3

Tgt Ion:167	Resp:	3988
Ion Ratio	Lower	Upper
167	100	
166	22.9	17.2 25.8
139	14.1	10.6 16.0

Manual Integrations

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



#75

Fluoranthene

Concen: 199.699 ng

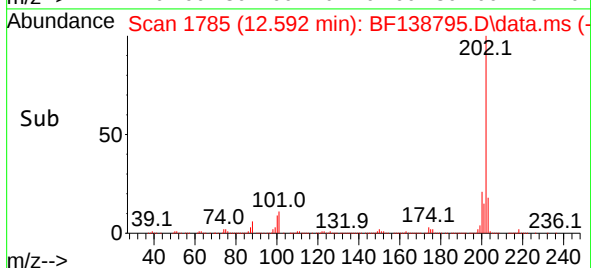
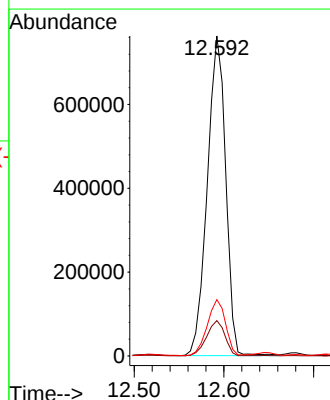
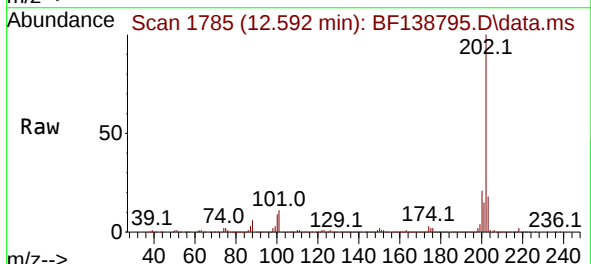
RT: 12.592 min Scan# 1785

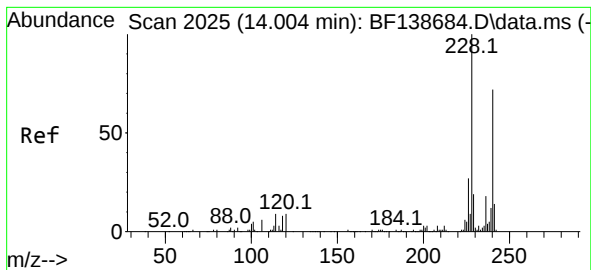
Delta R.T. 0.012 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Tgt Ion:202	Resp:	1086533
Ion Ratio	Lower	Upper
202	100	
101	11.0	0.0 31.2
203	17.6	0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2025

Delta R.T. 0.012 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Instrument :

BNA_F

ClientSampleId :

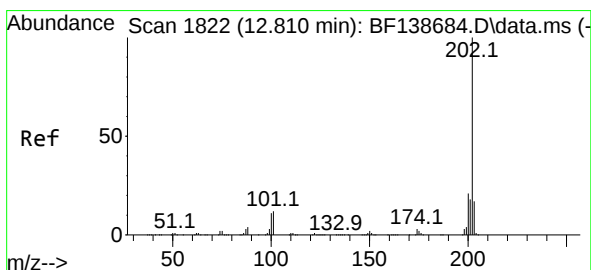
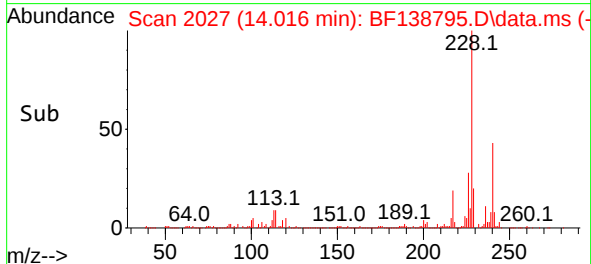
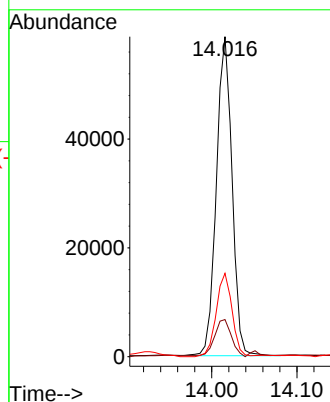
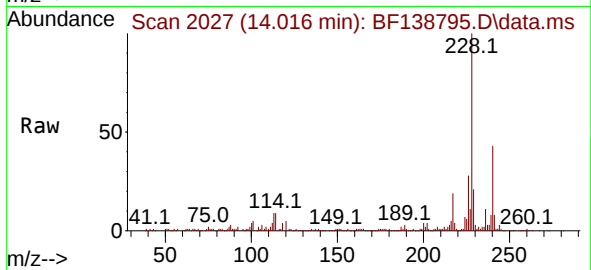
TP3

Tgt Ion:	240	Resp:	74920
Ion Ratio	Lower	Upper	
240	100		
120	11.6	10.2	15.4
236	26.1	19.8	29.8

Manual Integrations

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



#78

Pyrene

Concen: 126.761 ng

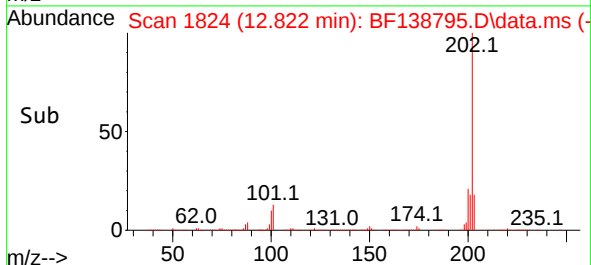
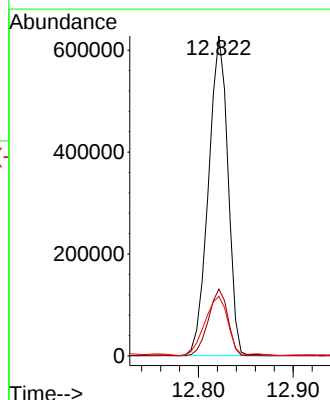
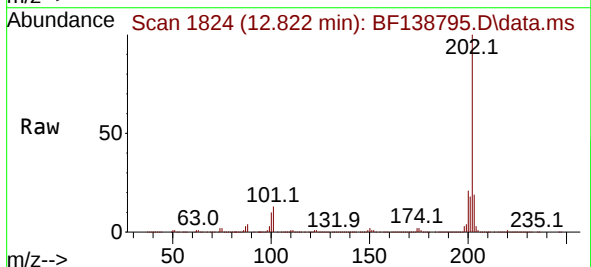
RT: 12.822 min Scan# 1824

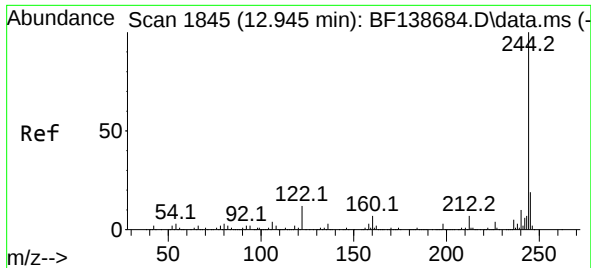
Delta R.T. 0.012 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

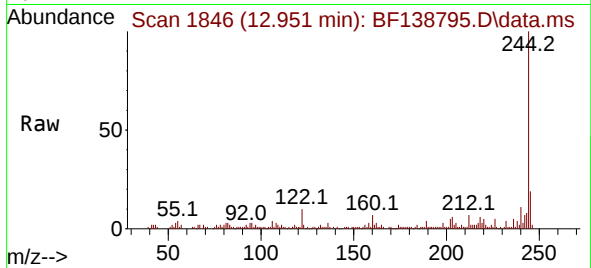
Tgt Ion:	202	Resp:	894236
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.8	25.2
203	18.6	13.8	20.6





#79
 Terphenyl-d14
 Concen: 11.569 ng
 RT: 12.951 min Scan# 1846
 Delta R.T. 0.006 min
 Lab File: BF138795.D
 Acq: 05 Aug 2024 20:24

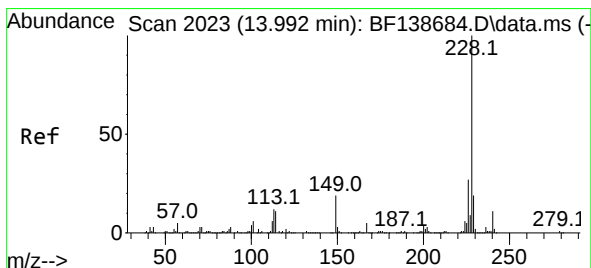
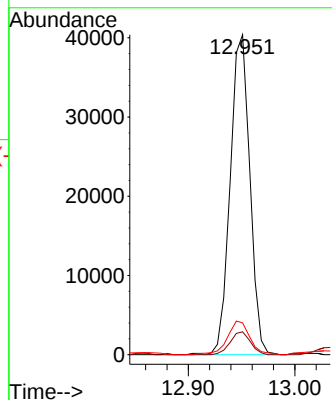
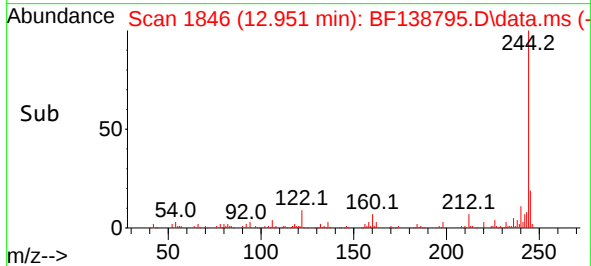
Instrument :
 BNA_F
 ClientSampleId :
 TP3



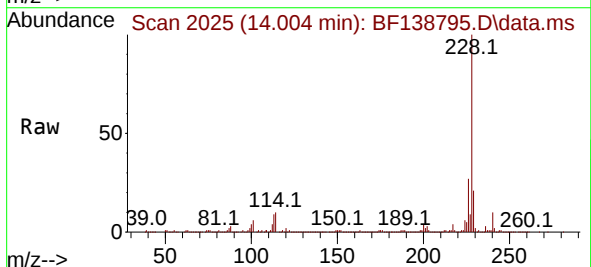
Tgt Ion:244 Resp: 51772
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 10.0 9.6 14.4

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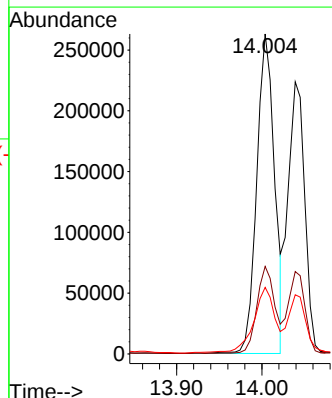
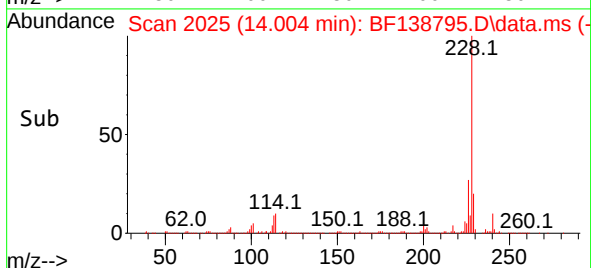
Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

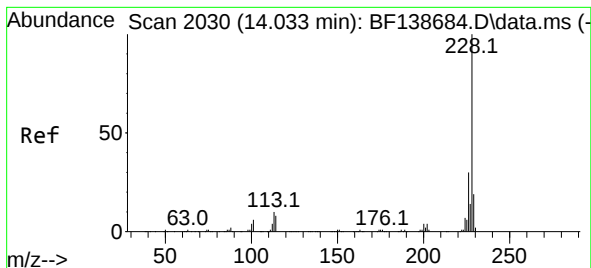


#81
 Benzo(a)anthracene
 Concen: 74.136 ng
 RT: 14.004 min Scan# 2025
 Delta R.T. 0.012 min
 Lab File: BF138795.D
 Acq: 05 Aug 2024 20:24



Tgt Ion:228 Resp: 382508
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.1 33.1
 229 20.8 15.4 23.0





#83

Chrysene

Concen: 65.144 ng

RT: 14.039 min Scan# 2030

Delta R.T. 0.006 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Instrument :

BNA_F

ClientSampleId :

TP3

Tgt Ion:228 Resp: 30324

Ion Ratio Lower Upper

228 100

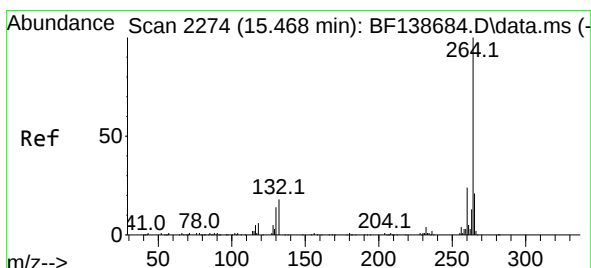
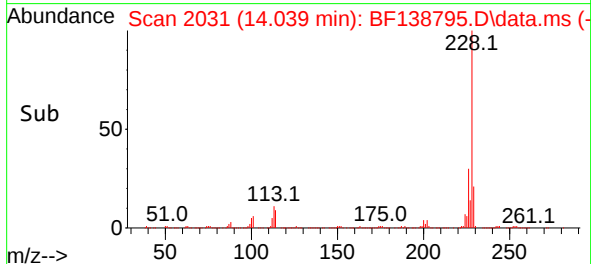
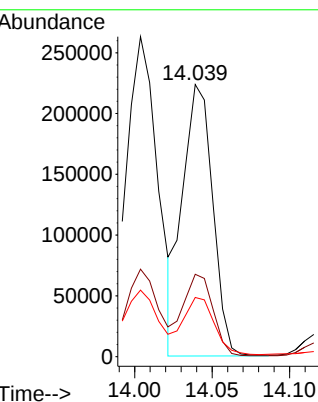
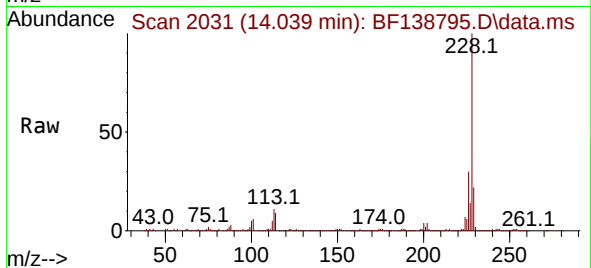
226 30.3 23.7 35.5

229 21.7 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: 15.480 min Scan# 2276

Delta R.T. 0.012 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

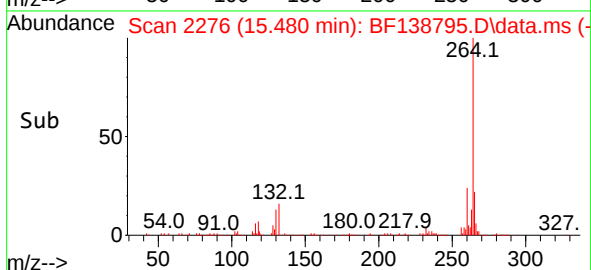
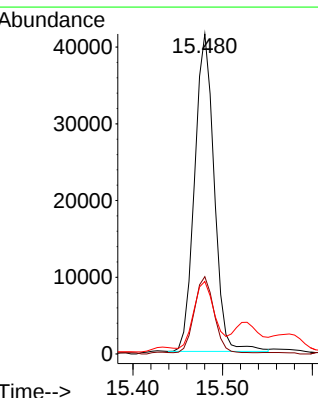
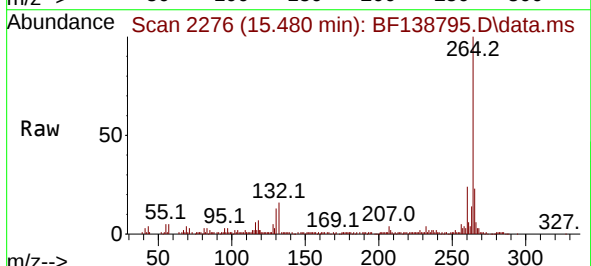
Tgt Ion:264 Resp: 62786

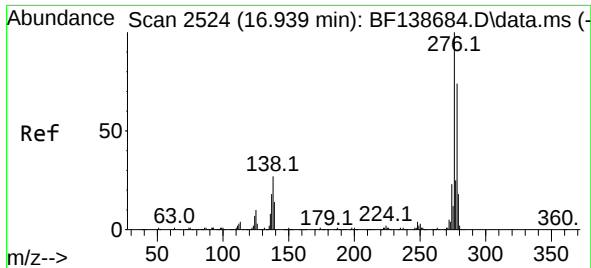
Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 22.6 17.0 25.6





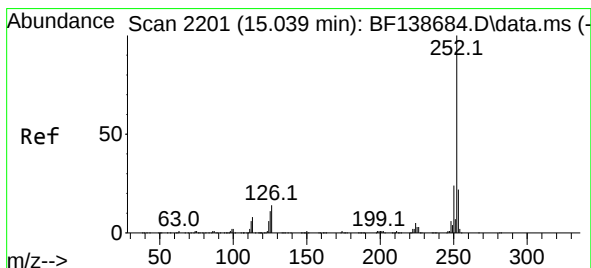
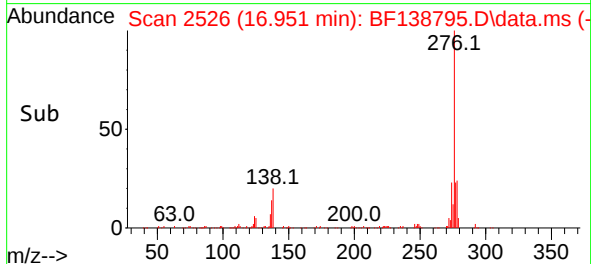
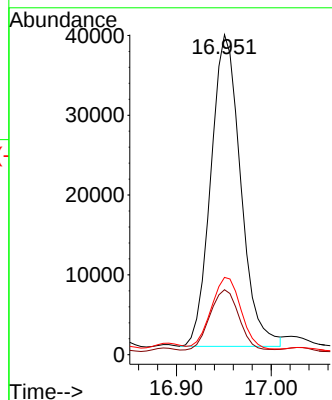
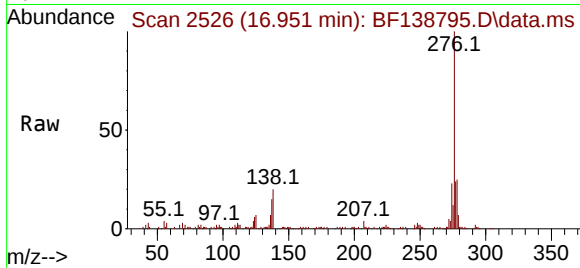
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.051 ng
RT: 16.951 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Instrument :
BNA_F
ClientSampleId :
TP3

Tgt Ion:276 Resp: 85719
Ion Ratio Lower Upper
276 100
138 20.5 21.8 32.8
277 23.1 20.6 30.8

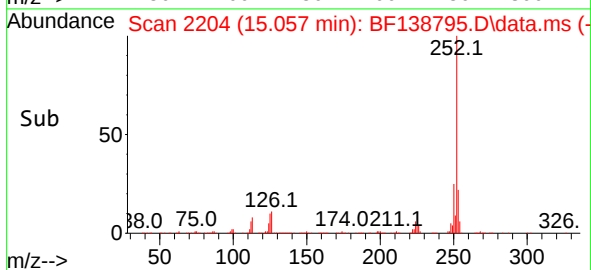
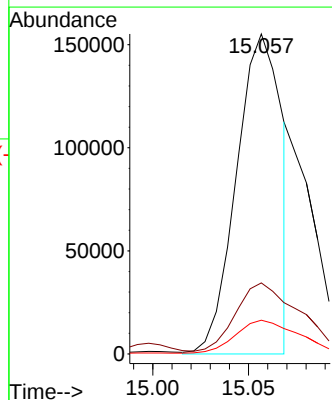
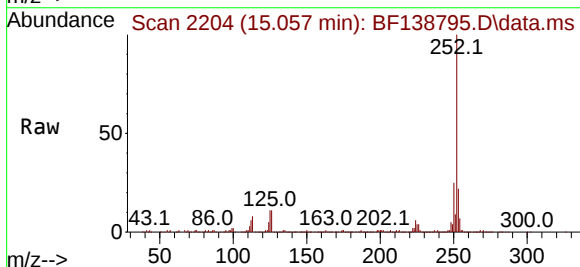
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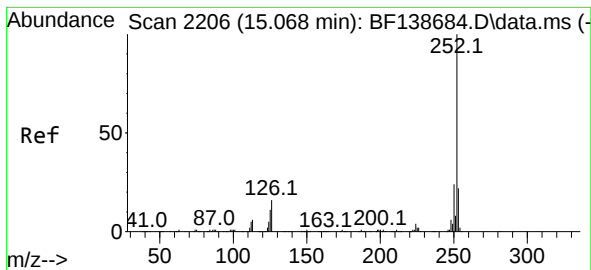
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#88
Benzo(b)fluoranthene
Concen: 65.644 ng m
RT: 15.057 min Scan# 2204
Delta R.T. 0.018 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Tgt Ion:252 Resp: 255496
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.5 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 28.756 ng m

RT: 15.068 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Instrument :

BNA_F

ClientSampleId :

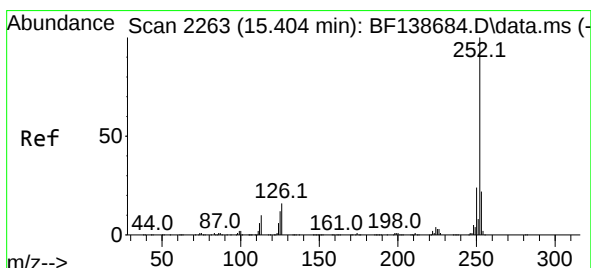
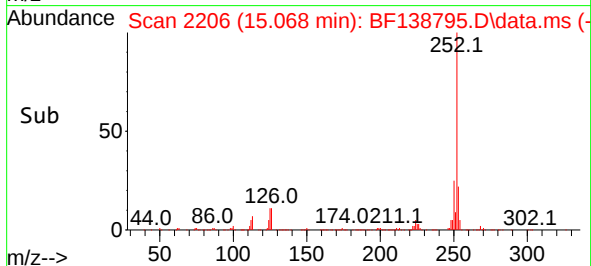
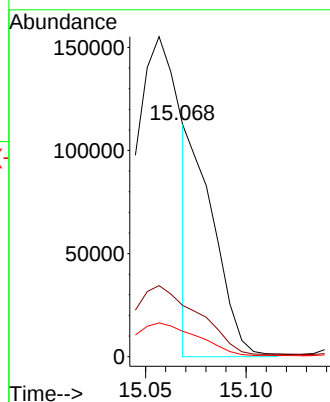
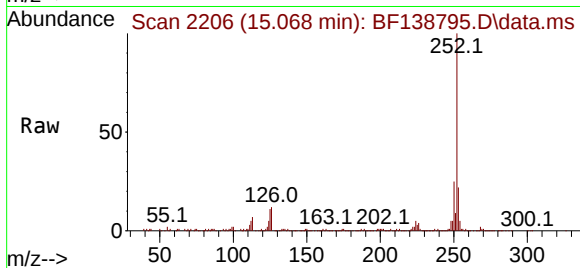
TP3

Tgt Ion:	252	Resp:	9690
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.4	26.0
125	11.0	8.6	13.0

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 55.637 ng

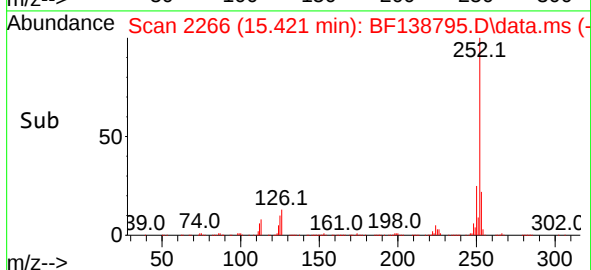
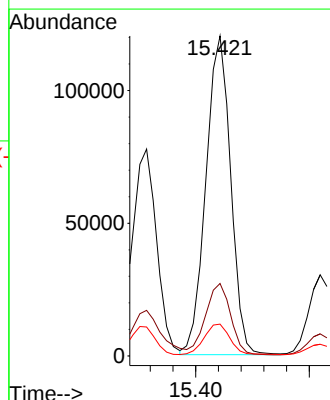
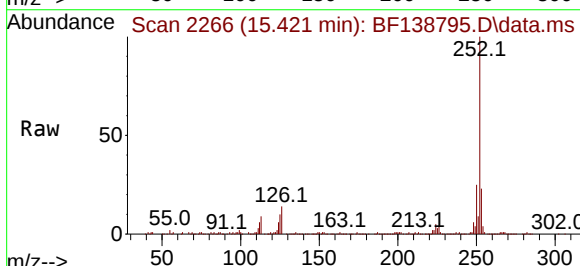
RT: 15.421 min Scan# 2266

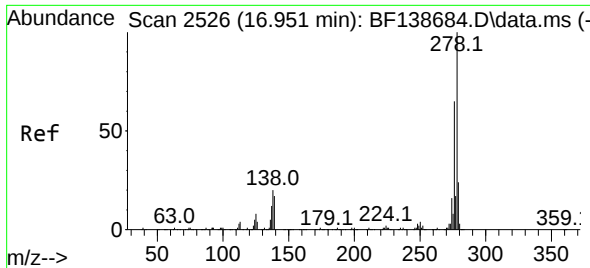
Delta R.T. 0.018 min

Lab File: BF138795.D

Acq: 05 Aug 2024 20:24

Tgt Ion:	252	Resp:	182146
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.3	25.9
125	10.0	9.5	14.3





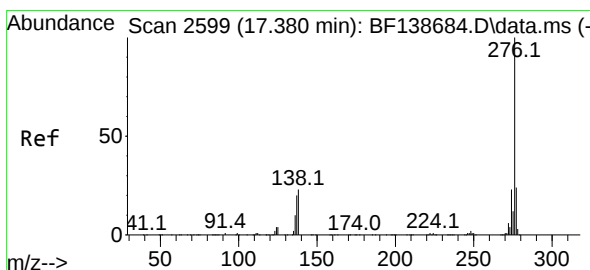
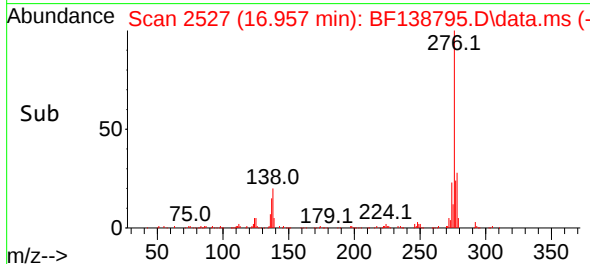
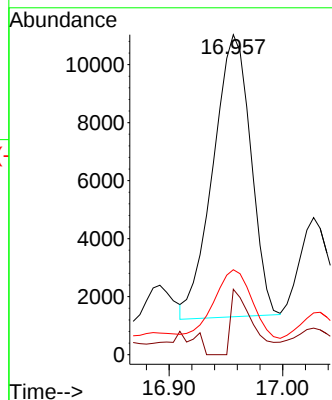
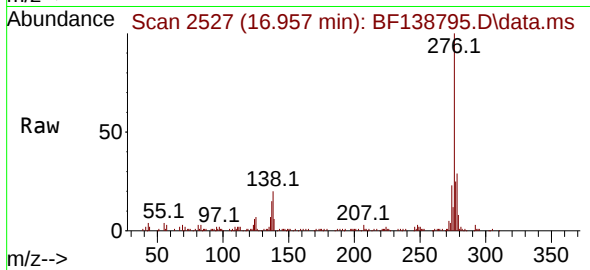
#91
Dibenzo(a,h)anthracene
Concen: 6.065 ng
RT: 16.957 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Instrument :
BNA_F
ClientSampleId :
TP3

Tgt Ion: 278 Resp: 2240
Ion Ratio Lower Upper
278 100
139 20.5 14.0 21.0
279 26.6 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: 20.426 ng
RT: 17.404 min Scan# 2603
Delta R.T. 0.024 min
Lab File: BF138795.D
Acq: 05 Aug 2024 20:24

Tgt Ion: 276 Resp: 78286
Ion Ratio Lower Upper
276 100
277 25.4 19.0 28.4
138 21.1 18.5 27.7

