

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080924\
 Data File : BF138895.D
 Acq On : 09 Aug 2024 18:35
 Operator : RC/JU
 Sample : P3507-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-080724

Quant Time: Aug 09 18:59:49 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/10/2024
 Supervised By :mohammad ahmed 08/12/2024

Supervised By :mohammad
 ahmed
 08/12/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	45503	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	172482	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	79210	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	111885	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	79329	20.000	ng	0.00
86) Perylene-d12	15.462	264	63214	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	49563	16.814	ng	0.00
7) Phenol-d6	6.481	99	65287	16.496	ng	0.00
23) Nitrobenzene-d5	7.398	82	43860	12.432	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	7232	11.146	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	76381	14.488	ng	-0.01
79) Terphenyl-d14	12.939	244	59451	12.547	ng	0.00
Target Compounds						
						Qvalue
38) 1-Methylnaphthalene	8.928	142	11425	2.033	ng	90
49) Acenaphthylene	9.733	152	17456	2.668	ng	# 91
52) Acenaphthene	9.904	154	11732	2.667	ng	95
55) Dibenzofuran	10.075	168	14159	2.280	ng	# 86
58) Fluorene	10.422	166	29884	6.044	ng	# 94
71) Phenanthrene	11.386	178	187207	32.495	ng	99
72) Anthracene	11.433	178	47618	8.390	ng	99
73) Carbazole	11.592	167	16145	3.297	ng	# 90
75) Fluoranthene	12.574	202	201420	37.450	ng	99
78) Pyrene	12.804	202	197938	26.501	ng	98
81) Benzo(a)anthracene	13.992	228	105975	19.400	ng	94
83) Chrysene	14.021	228	73855	14.985	ng	96
87) Indeno(1,2,3-cd)pyrene	16.933	276	32119	7.090	ng	# 91
88) Benzo(b)fluoranthene	15.039	252	88779m	22.656	ng	
89) Benzo(k)fluoranthene	15.057	252	23687m	6.981	ng	
90) Benzo(a)pyrene	15.404	252	61159	18.555	ng	99
91) Dibenzo(a,h)anthracene	16.933	278	8208	2.207	ng	# 80
92) Benzo(g,h,i)perylene	17.380	276	30330	7.860	ng	94

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

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Acq On : 09 Aug 2024 18:35
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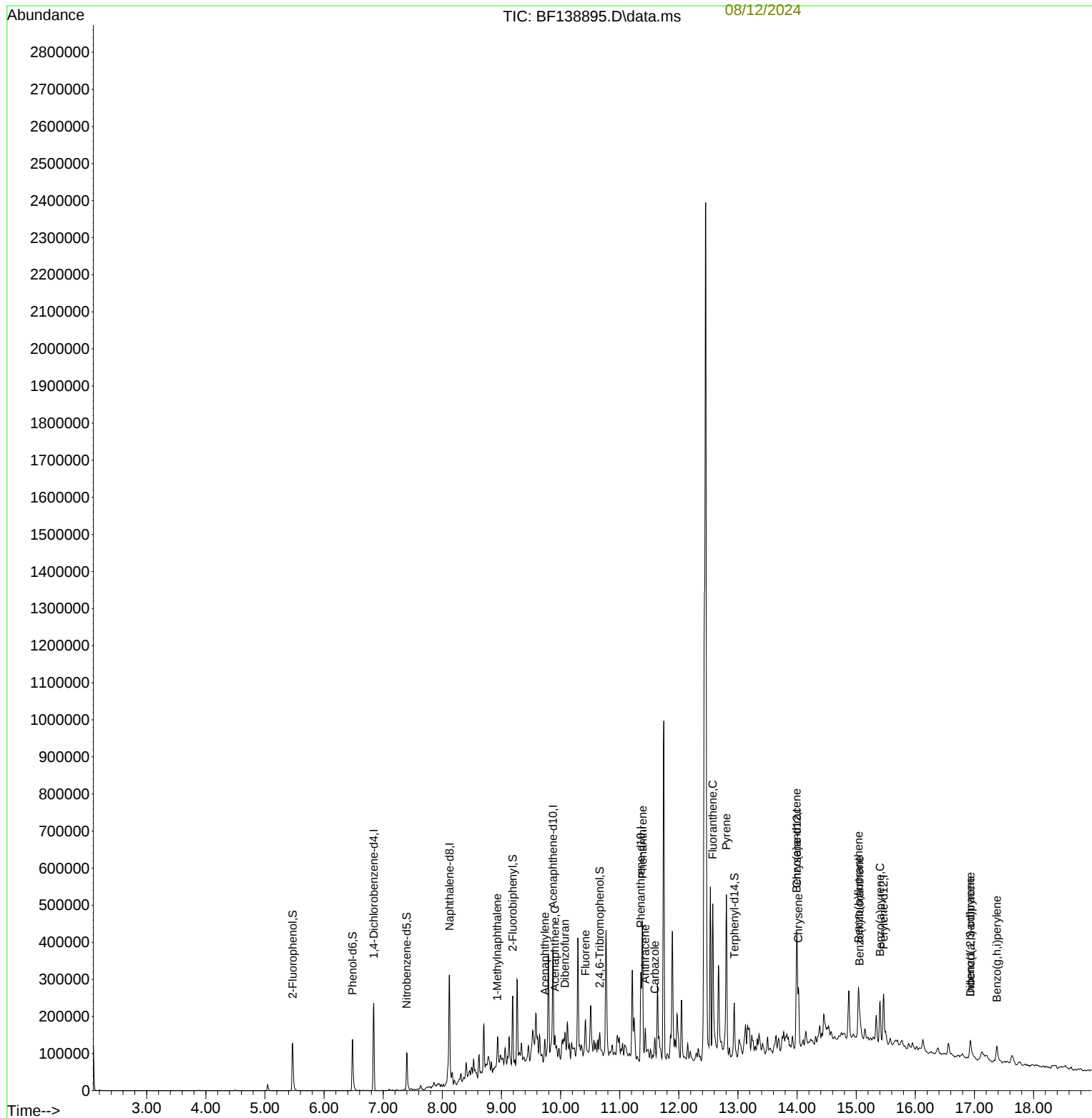
Instrument :
BNA_F
ClientSampleId :
EO-03-080724

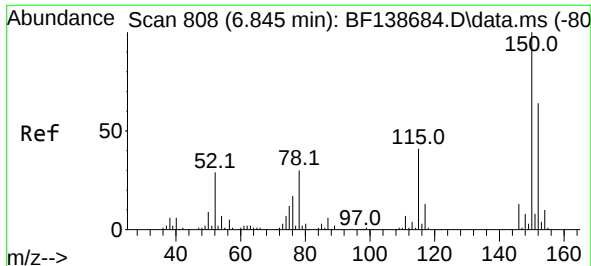
Quant Time: Aug 09 18:59:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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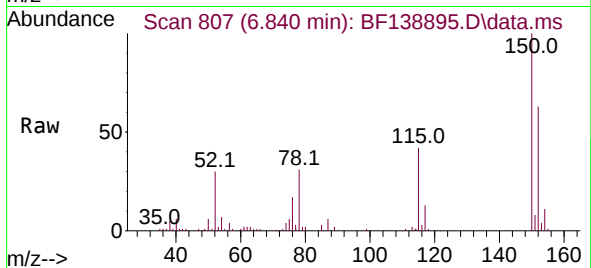
Supervised By :mohammad
ahmed
08/12/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Instrument :
BNA_F
ClientSampleId :
EO-03-080724

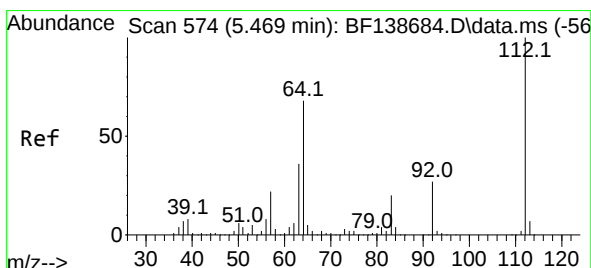
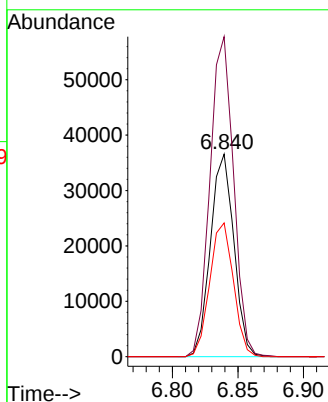
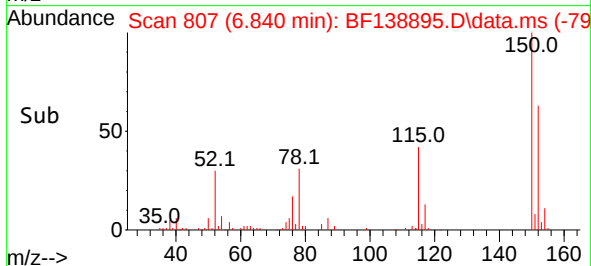


Tgt Ion:152 Resp: 4550
Ion Ratio Lower Upper
152 100
150 158.0 126.0 189.0
115 66.1 51.7 77.5

Manual Integrations
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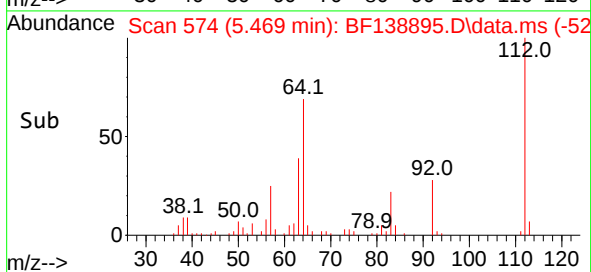
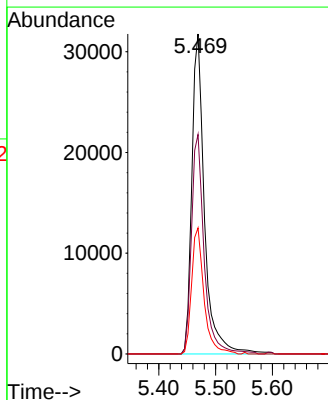
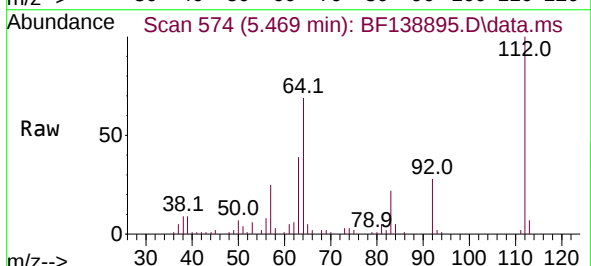
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

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ahmed
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#5
2-Fluorophenol
Concen: 16.814 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

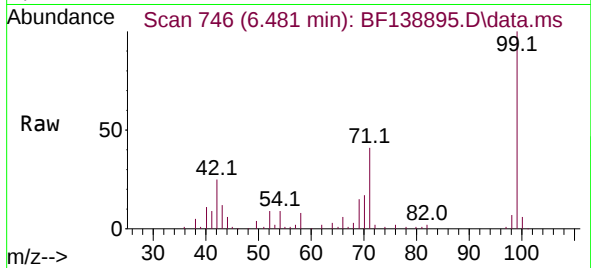
Tgt Ion:112 Resp: 49563
Ion Ratio Lower Upper
112 100
64 68.6 54.2 81.4
63 39.4 28.7 43.1





#7
Phenol-d6
Concen: 16.496 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Instrument :
BNA_F
ClientSampleId :
EO-03-080724

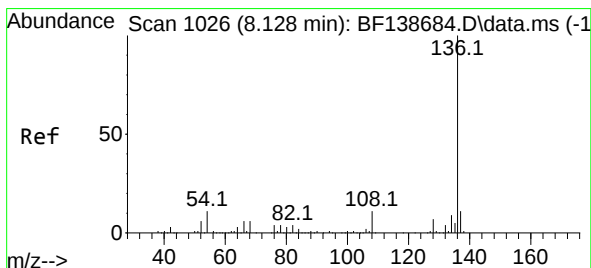
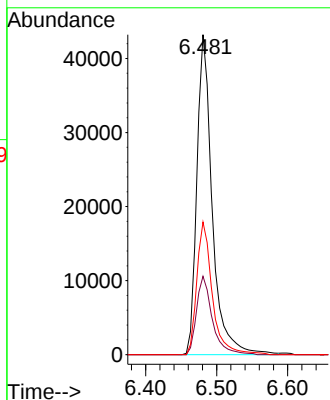
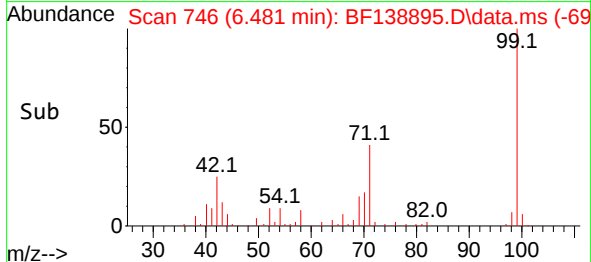


Tgt Ion: 99 Resp: 6528
Ion Ratio Lower Upper
99 100
42 24.5 17.4 26.0
71 41.5 28.1 42.1

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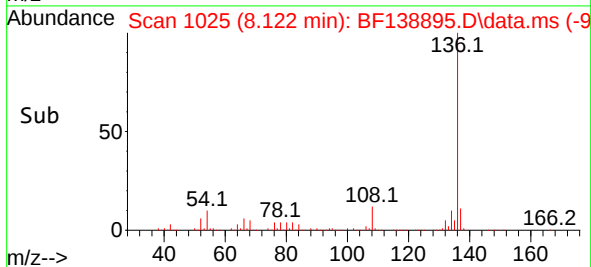
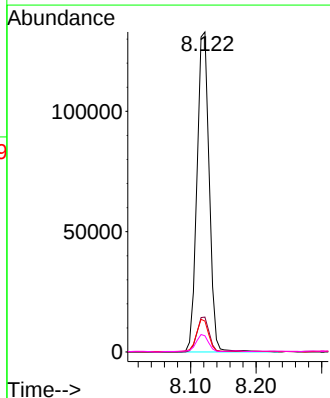
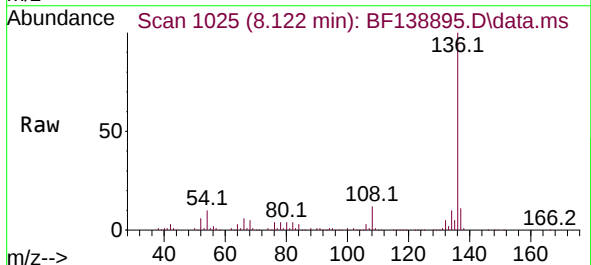
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

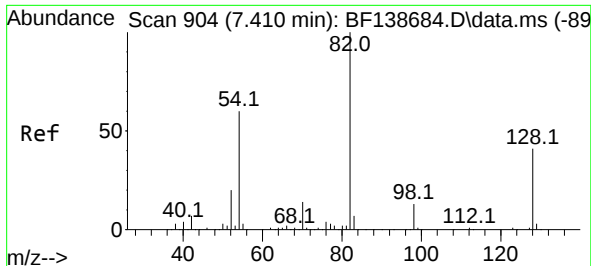
Supervised By :mohammad
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08/12/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Tgt Ion:136 Resp: 172482
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.7 8.6 12.8
68 5.1 4.8 7.2





#23
Nitrobenzene-d5
Concen: 12.432 ng
RT: 7.398 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

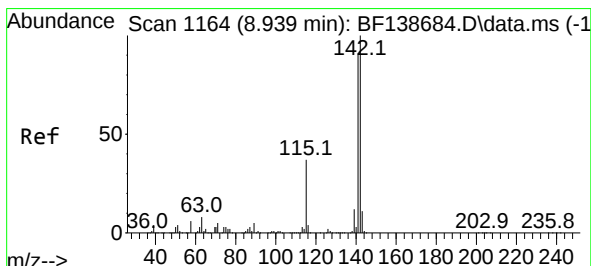
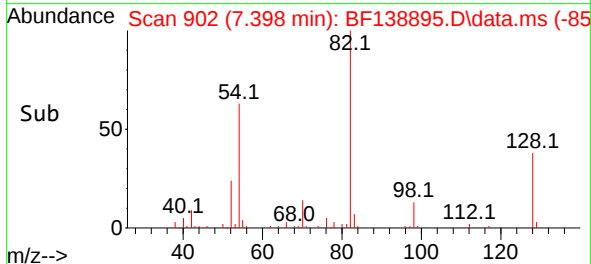
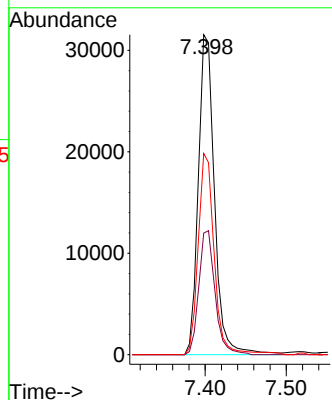
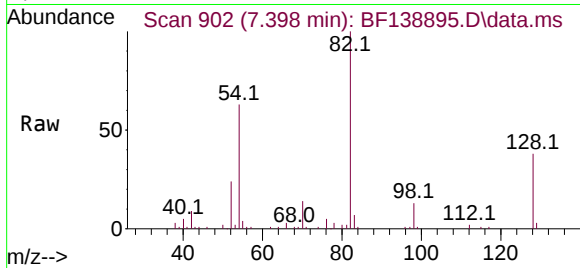
EO-03-080724

Tgt Ion: 82 Resp: 43860
Ion Ratio Lower Upper
82 100
128 38.0 32.8 49.2
54 62.9 48.3 72.5

Manual Integrations
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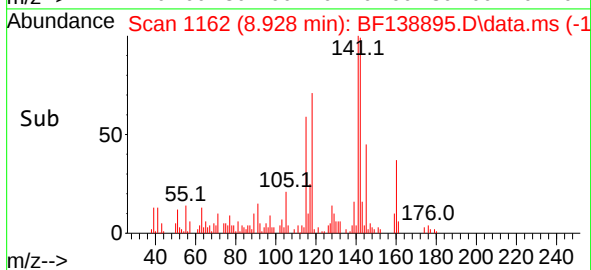
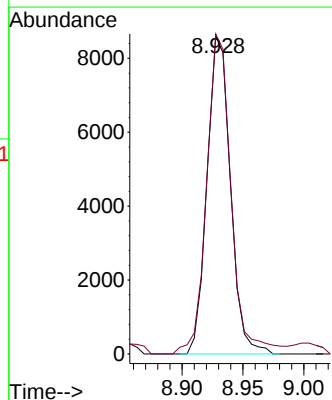
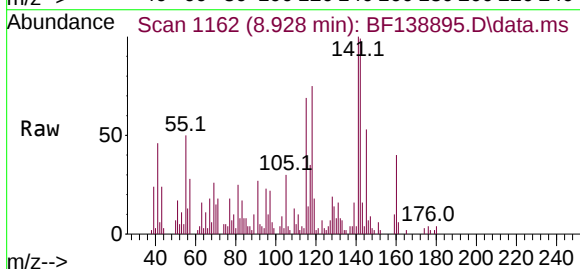
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

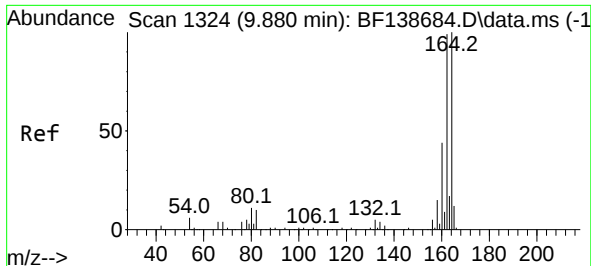
Supervised By :mohammad
ahmed
08/12/2024



#38
1-Methylnaphthalene
Concen: 2.033 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Tgt Ion:142 Resp: 11425
Ion Ratio Lower Upper
142 100
141 100.6 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

EO-03-080724

Tgt Ion:164	Resp:	79210
Ion Ratio	Lower	Upper
164	100	
162	101.5	79.4 119.0
160	44.3	35.1 52.7

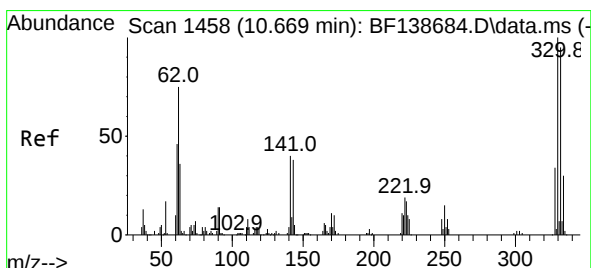
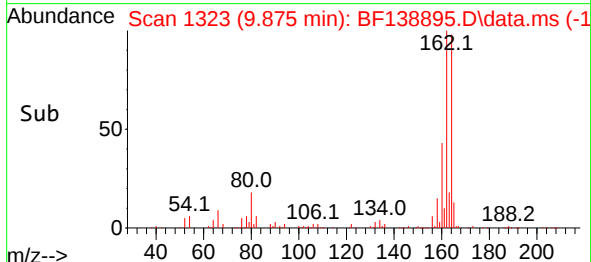
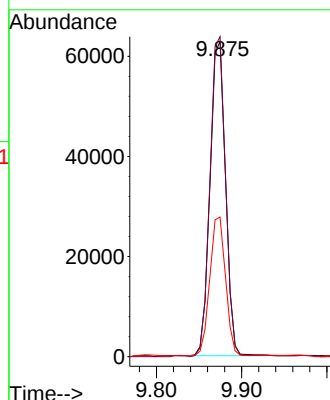
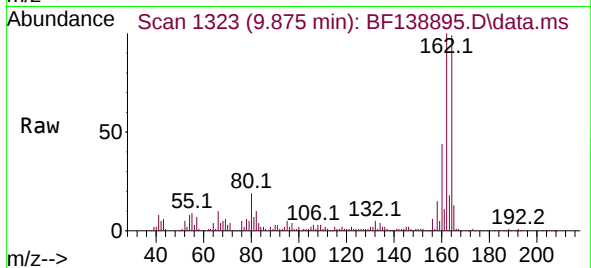
Manual Integrations

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Supervised By :mohammad
ahmed
08/12/2024



#42

2,4,6-Tribromophenol

Concen: 11.146 ng

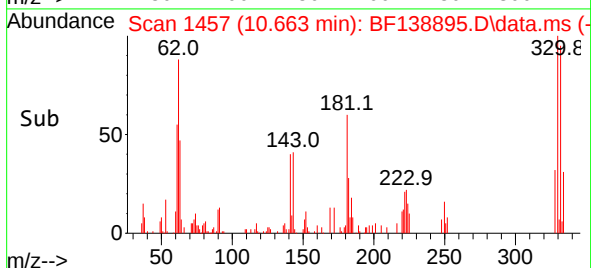
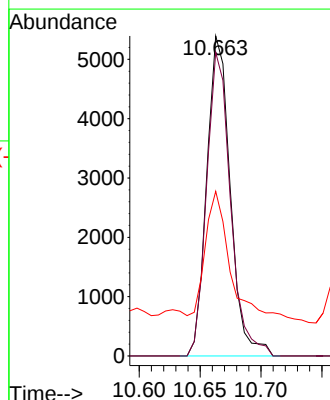
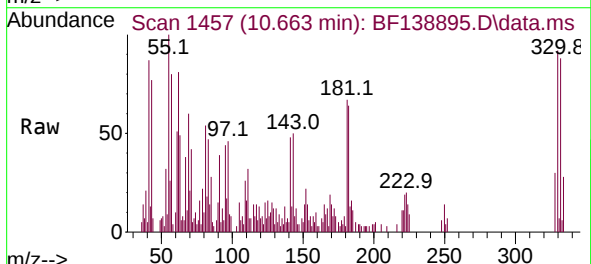
RT: 10.663 min Scan# 1457

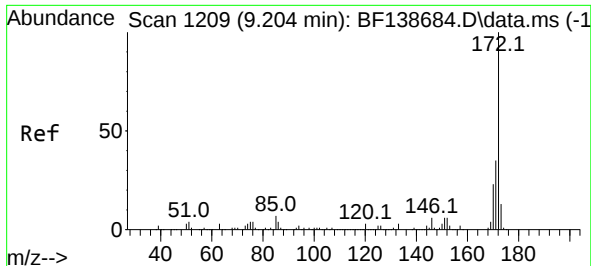
Delta R.T. -0.006 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

Tgt Ion:330	Resp:	7232
Ion Ratio	Lower	Upper
330	100	
332	96.4	76.4 114.6
141	46.6	31.1 46.7





#45
2-Fluorobiphenyl
Concen: 14.488 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

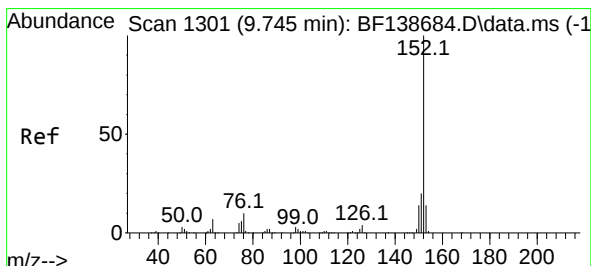
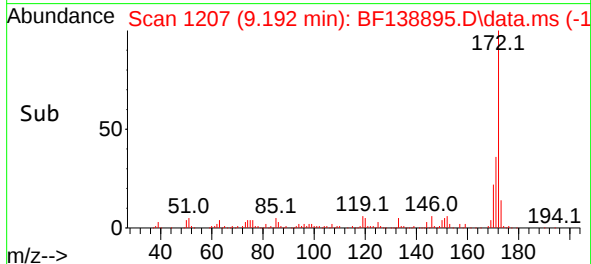
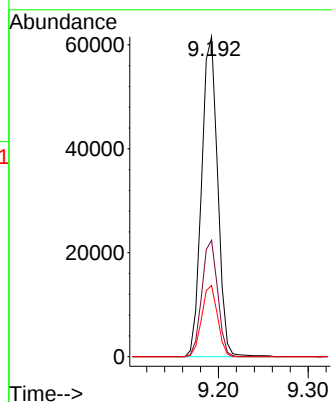
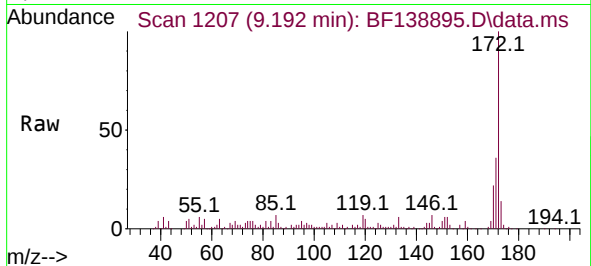
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Tgt Ion:172 Resp: 7638
Ion Ratio Lower Upper
172 100
171 36.4 28.3 42.5
170 22.3 18.8 28.2

Manual Integrations
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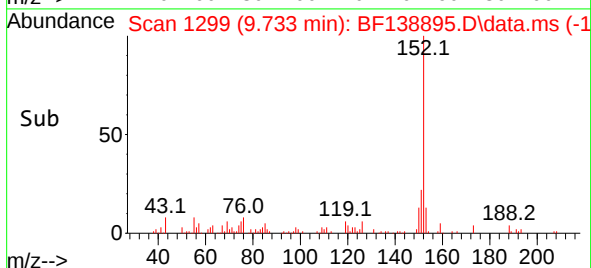
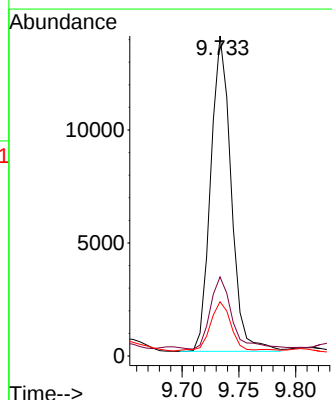
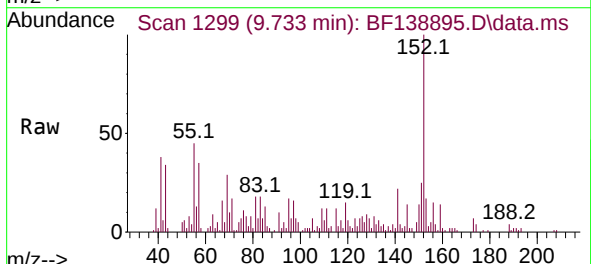
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

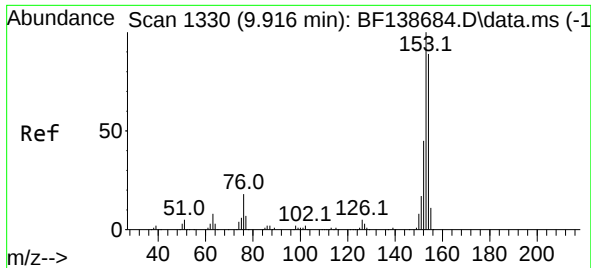
Supervised By :mohammad
ahmed
08/12/2024



#49
Acenaphthylene
Concen: 2.668 ng
RT: 9.733 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

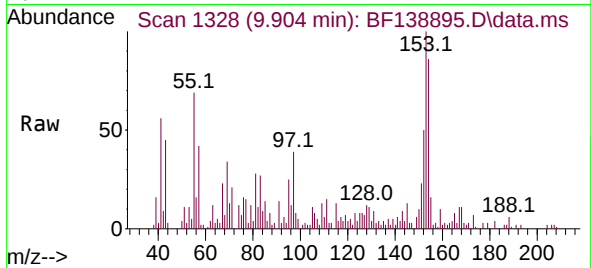
Tgt Ion:152 Resp: 17456
Ion Ratio Lower Upper
152 100
151 24.7 16.0 24.0#
153 16.9 11.0 16.4#





#52
Acenaphthene
Concen: 2.667 ng
RT: 9.904 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Instrument :
BNA_F
ClientSampleId :
EO-03-080724

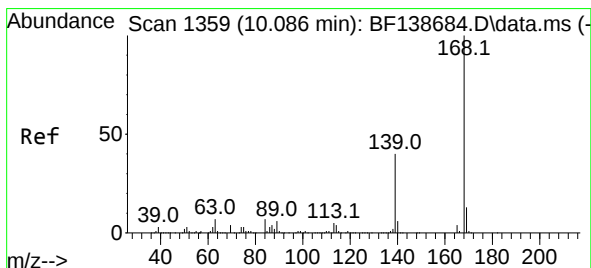
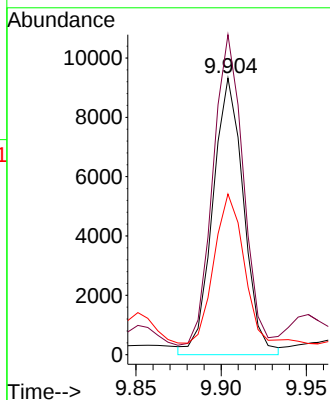
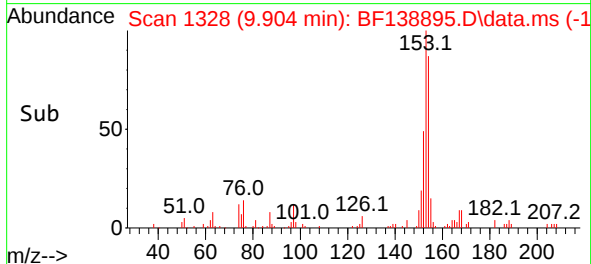


Tgt Ion:154 Resp: 1173
Ion Ratio Lower Upper
154 100
153 115.7 89.9 134.9
152 58.1 40.6 60.8

Manual Integrations
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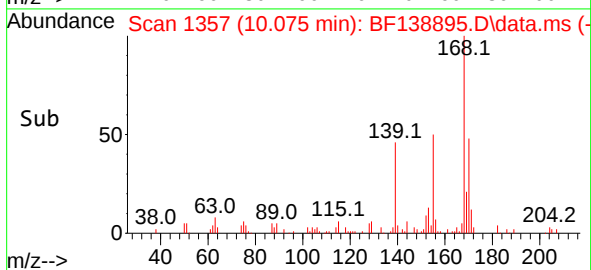
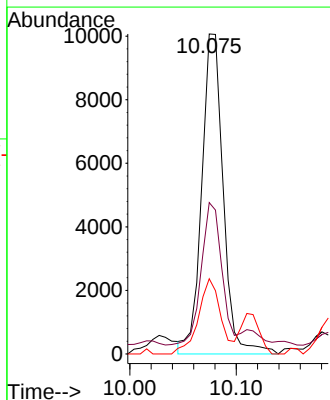
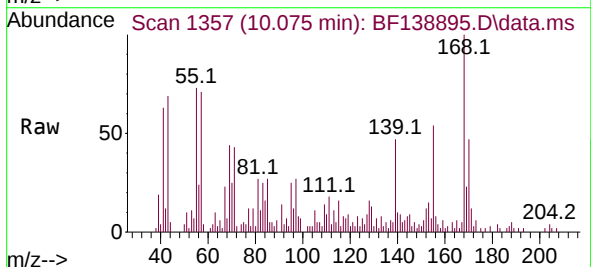
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

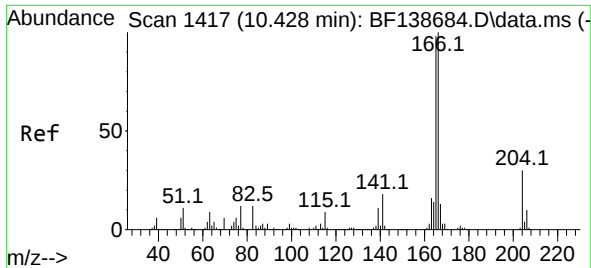
Supervised By :mohammad
ahmed
08/12/2024



#55
Dibenzofuran
Concen: 2.280 ng
RT: 10.075 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

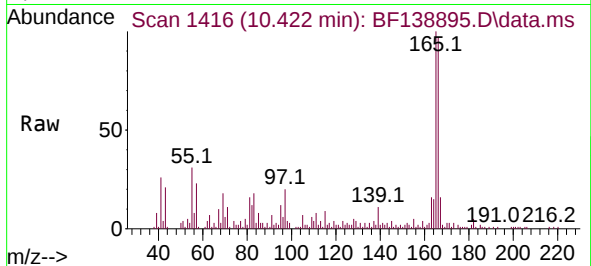
Tgt Ion:168 Resp: 14159
Ion Ratio Lower Upper
168 100
139 47.3 32.6 49.0
169 23.5 10.7 16.1#





#58
Fluorene
Concen: 6.044 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Instrument :
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ClientSampleId :
EO-03-080724

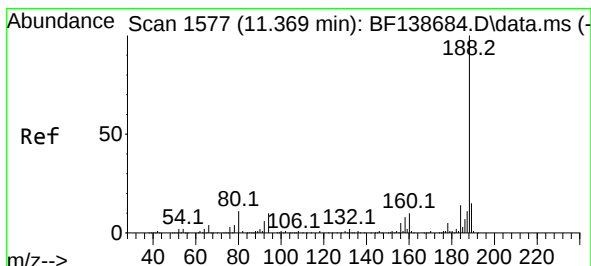
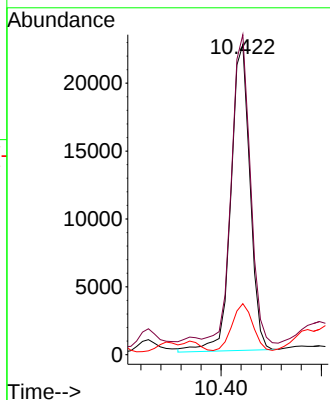
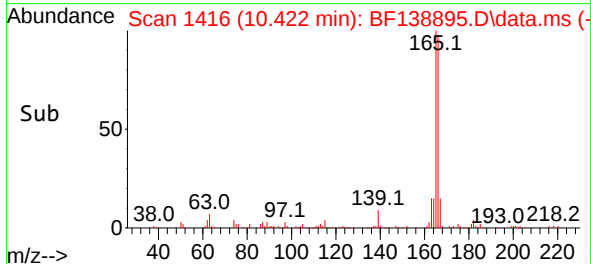


Tgt Ion:166 Resp: 29884
Ion Ratio Lower Upper
166 100
165 103.2 78.4 117.6
167 16.5 10.6 16.0

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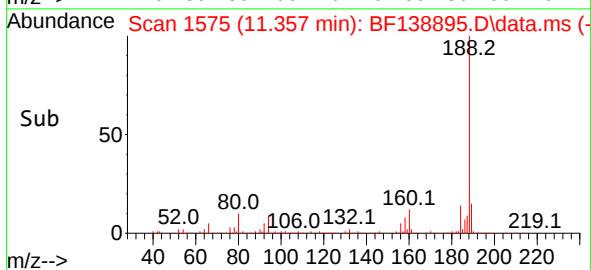
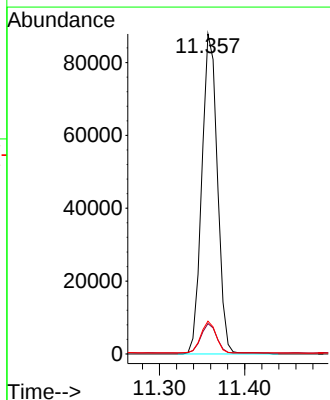
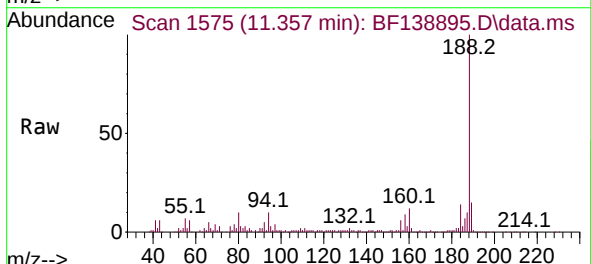
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

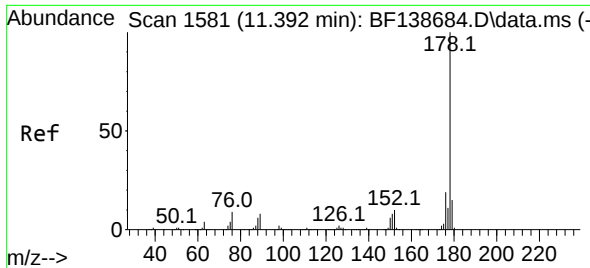
Supervised By :mohammad
ahmed
08/12/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Tgt Ion:188 Resp: 111885
Ion Ratio Lower Upper
188 100
94 9.5 7.6 11.4
80 10.3 8.6 12.8





#71
Phenanthrene
Concen: 32.495 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

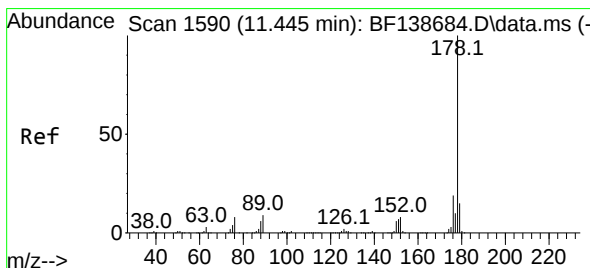
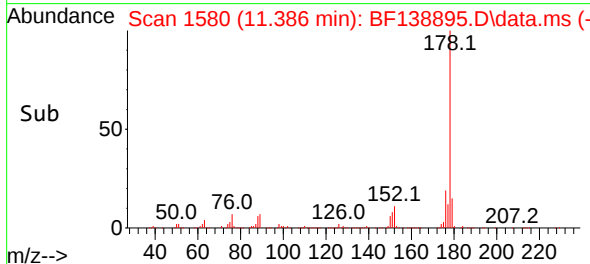
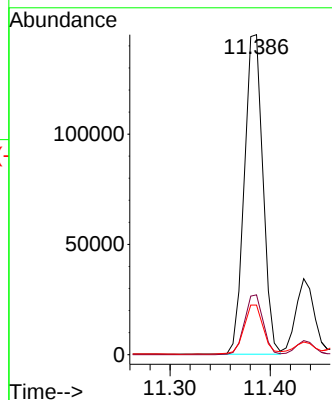
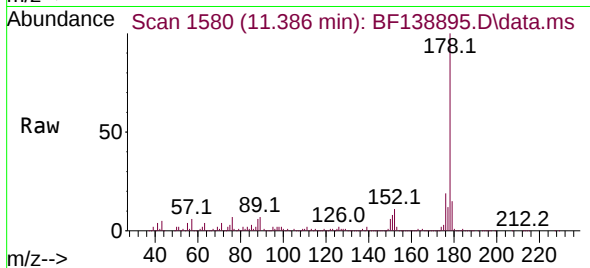
Instrument :
BNA_F
ClientSampleId :
EO-03-080724

Tgt Ion:178 Resp: 18720
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.5 12.2 18.2

Manual Integrations
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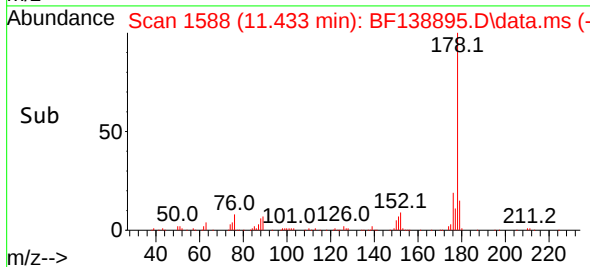
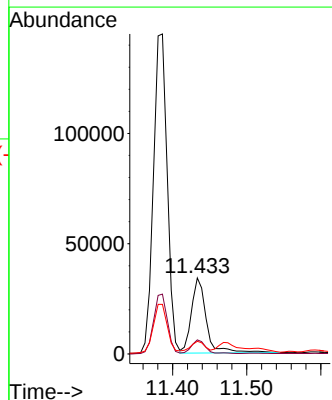
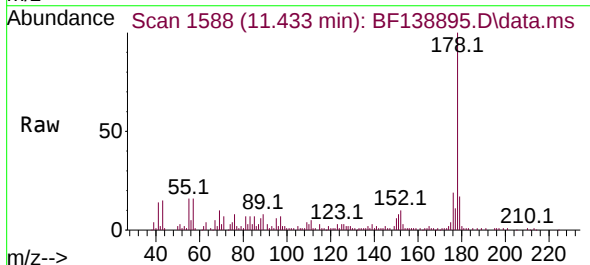
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

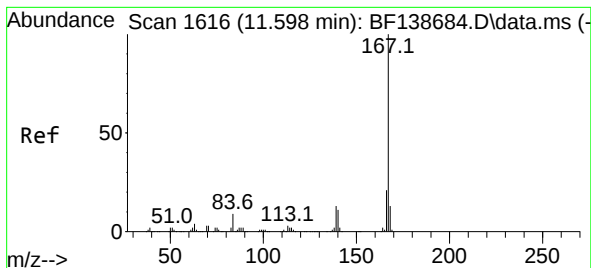
Supervised By :mohammad
ahmed
08/12/2024



#72
Anthracene
Concen: 8.390 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

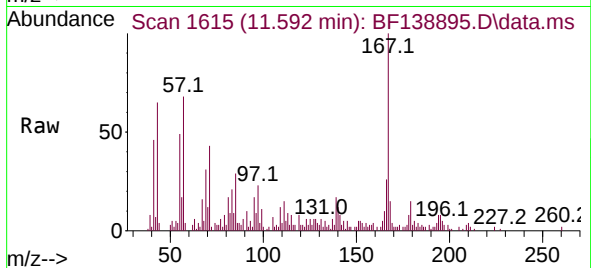
Tgt Ion:178 Resp: 47618
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 16.7 12.4 18.6





#73
 Carbazole
 Concen: 3.297 ng
 RT: 11.592 min Scan# 1615
 Delta R.T. -0.006 min
 Lab File: BF138895.D
 Acq: 09 Aug 2024 18:35

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-080724

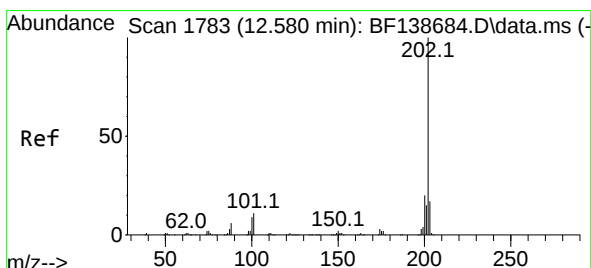
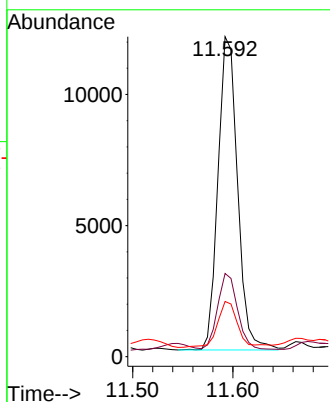
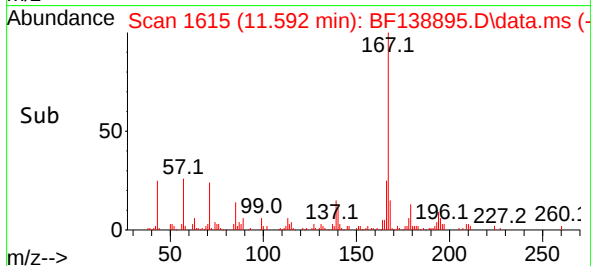


Tgt Ion:167 Resp: 16145
 Ion Ratio Lower Upper
 167 100
 166 26.0 17.2 25.8
 139 17.3 10.6 16.0

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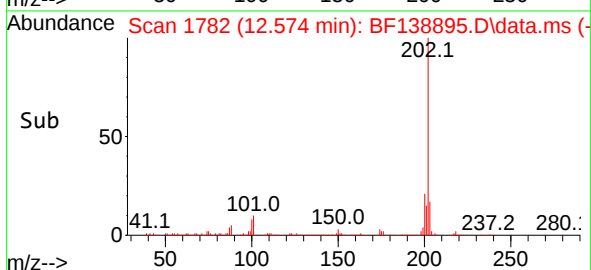
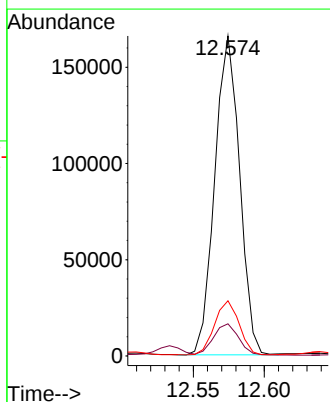
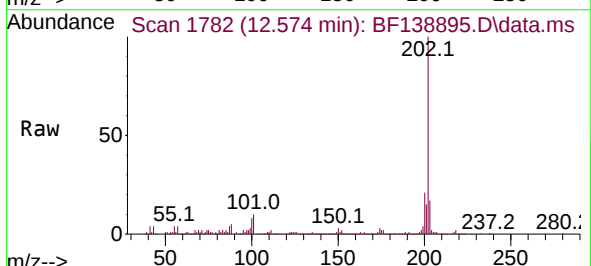
Reviewed By :Yogesh Patel 08/10/2024
 Supervised By :mohammad ahmed 08/12/2024

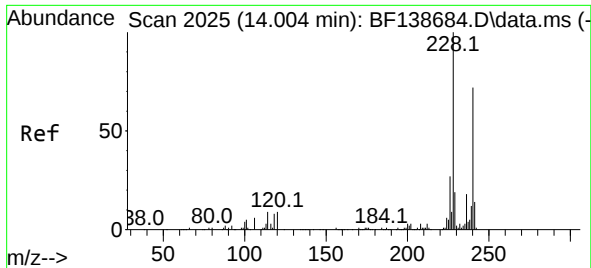
Supervised By :mohammad
 ahmed
 08/12/2024



#75
 Fluoranthene
 Concen: 37.450 ng
 RT: 12.574 min Scan# 1782
 Delta R.T. -0.006 min
 Lab File: BF138895.D
 Acq: 09 Aug 2024 18:35

Tgt Ion:202 Resp: 201420
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.2
 203 17.2 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

EO-03-080724

Tgt Ion:240 Resp: 79329
Ion Ratio Lower Upper
240 100
120 11.0 10.2 15.4
236 26.1 19.8 29.8

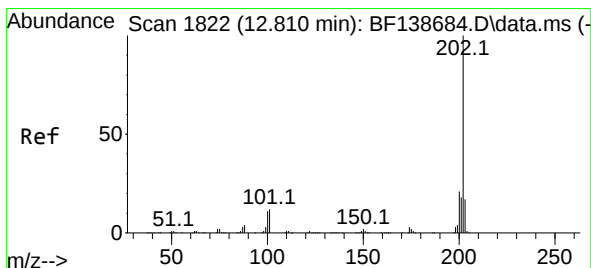
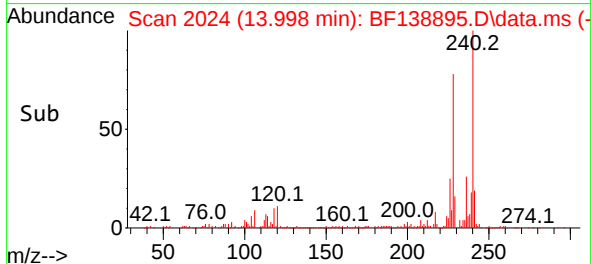
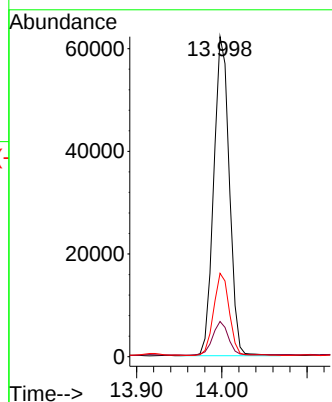
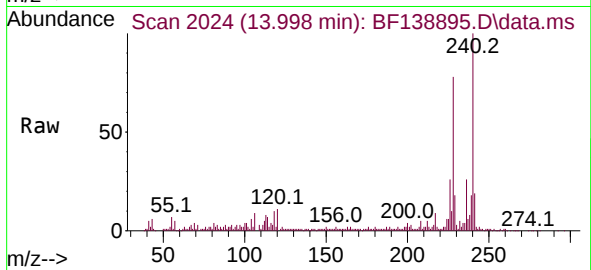
Manual Integrations

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Reviewed By :Yogesh Patel 08/10/2024

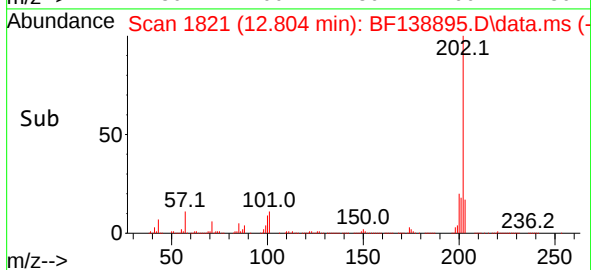
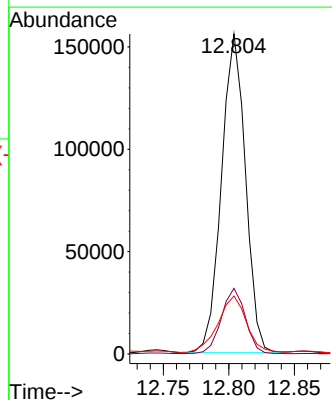
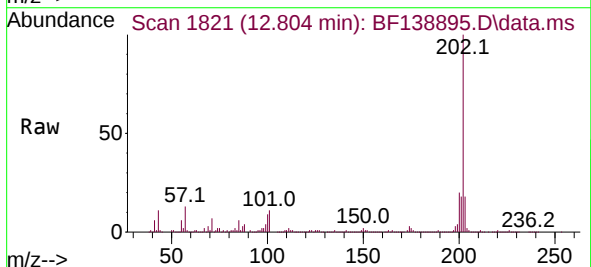
Supervised By :mohammad ahmed 08/12/2024

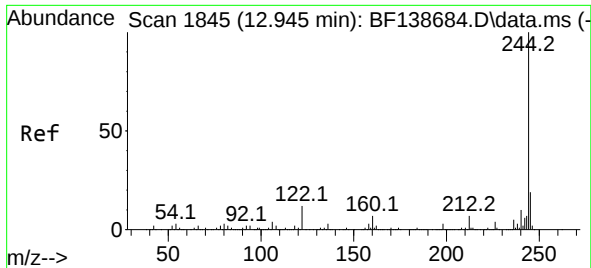
Supervised By :mohammad
ahmed
08/12/2024



#78
Pyrene
Concen: 26.501 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Tgt Ion:202 Resp: 197938
Ion Ratio Lower Upper
202 100
200 20.5 16.8 25.2
203 18.1 13.8 20.6





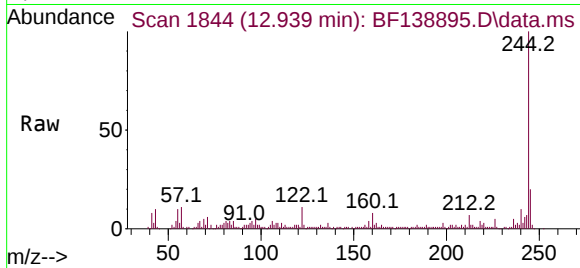
#79
 Terphenyl-d14
 Concen: 12.547 ng
 RT: 12.939 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF138895.D
 Acq: 09 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

EO-03-080724



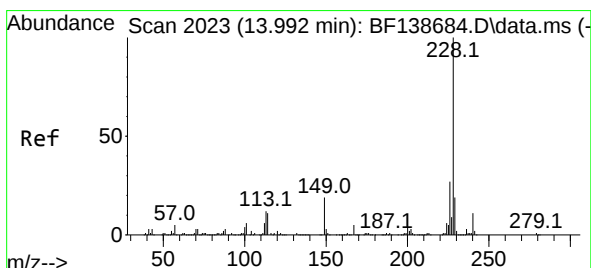
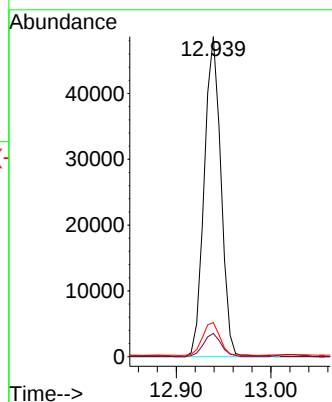
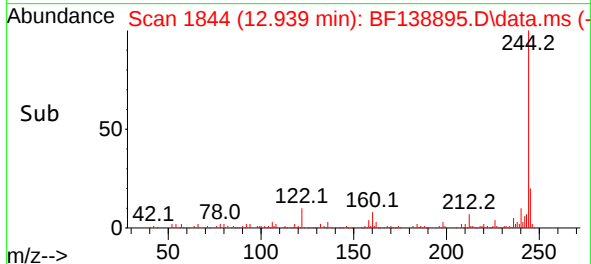
Tgt Ion:244 Resp: 5945
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 10.6 9.6 14.4

Manual Integrations

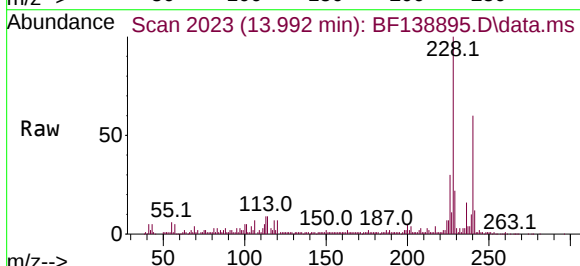
APPROVED

Reviewed By :Yogesh Patel 08/10/2024
 Supervised By :mohammad ahmed 08/12/2024

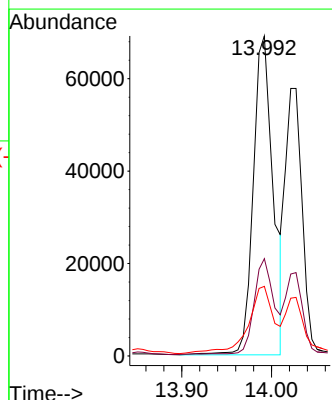
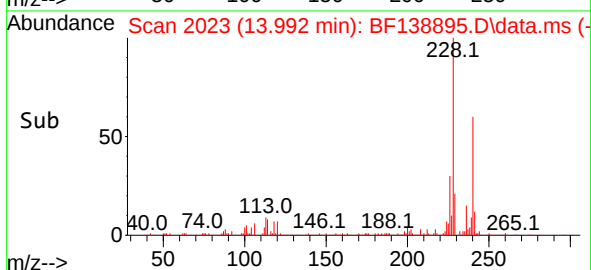
Supervised By :mohammad
 ahmed
 08/12/2024

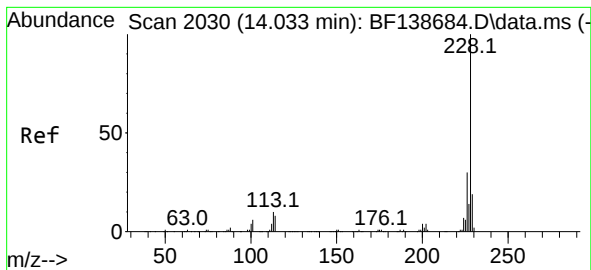


#81
 Benzo(a)anthracene
 Concen: 19.400 ng
 RT: 13.992 min Scan# 2023
 Delta R.T. -0.000 min
 Lab File: BF138895.D
 Acq: 09 Aug 2024 18:35



Tgt Ion:228 Resp: 105975
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.1 33.1
 229 21.8 15.4 23.0





#83

Chrysene

Concen: 14.985 ng

RT: 14.021 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

EO-03-080724

Tgt Ion:	228	Resp:	7385
Ion Ratio	Lower	Upper	
228	100		
226	30.6	23.7	35.5
229	21.6	15.0	22.6

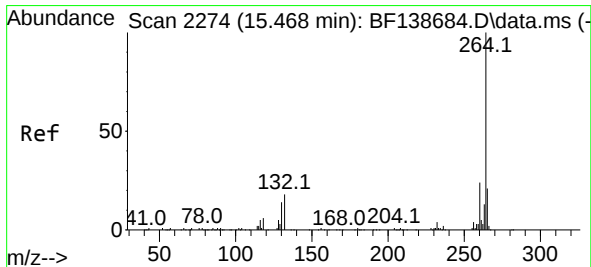
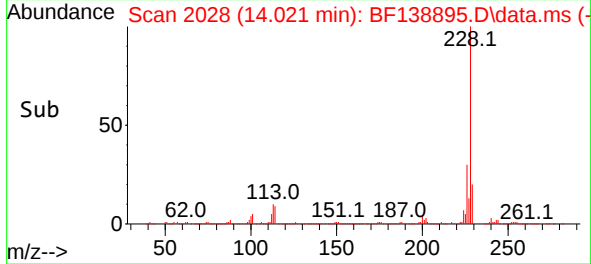
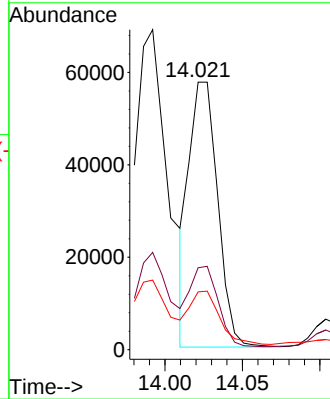
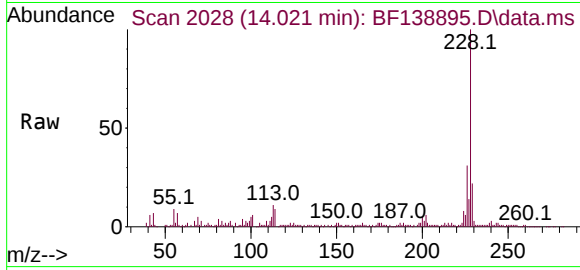
Manual Integrations

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Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024

Supervised By :mohammad
ahmed
08/12/2024



#86

Perylene-d12

Concen: 20.000 ng

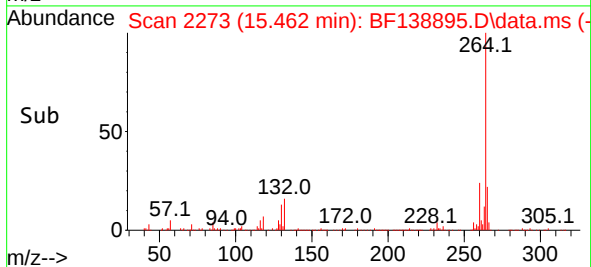
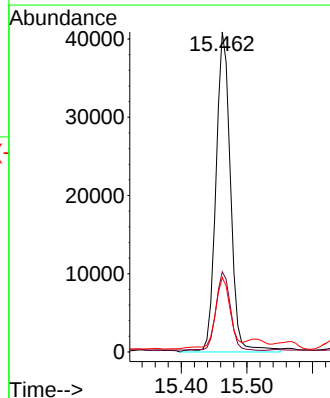
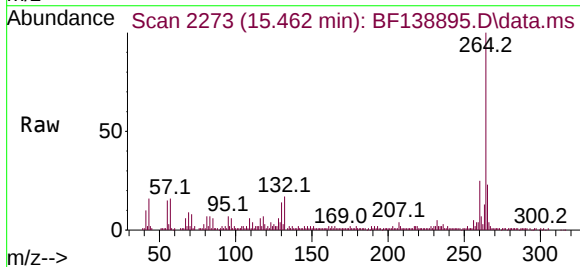
RT: 15.462 min Scan# 2273

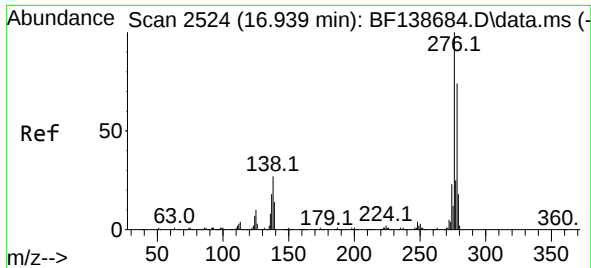
Delta R.T. -0.006 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

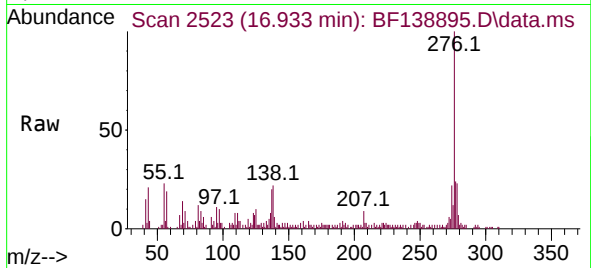
Tgt Ion:	264	Resp:	63214
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.0	28.6
265	23.3	17.0	25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.090 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.006 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Instrument :
BNA_F
ClientSampleId :
EO-03-080724

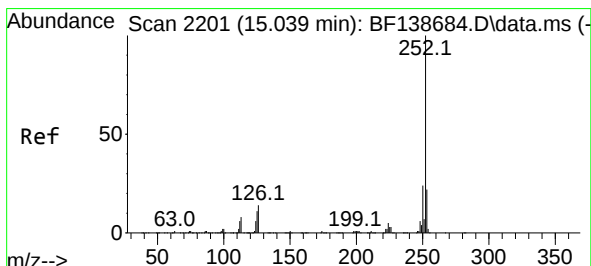
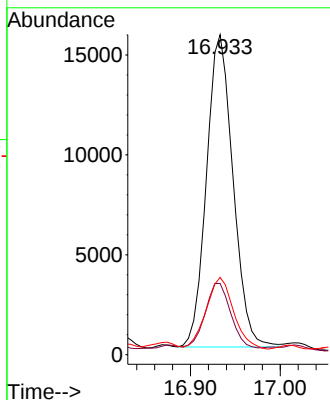
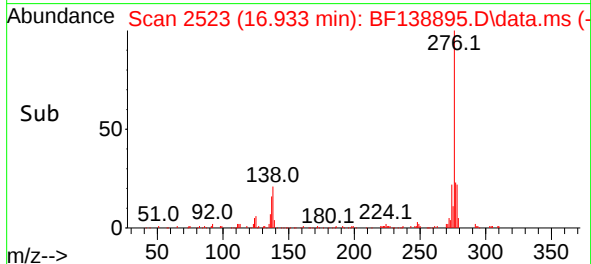


Tgt Ion:276 Resp: 32119
Ion Ratio Lower Upper
276 100
138 20.3 21.8 32.8
277 23.8 20.6 30.8

Manual Integrations
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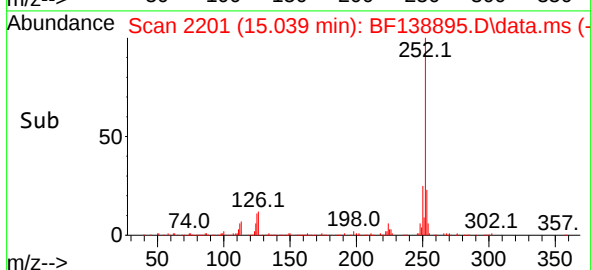
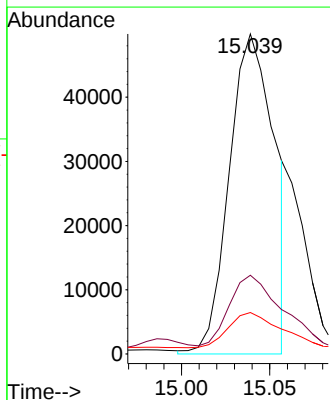
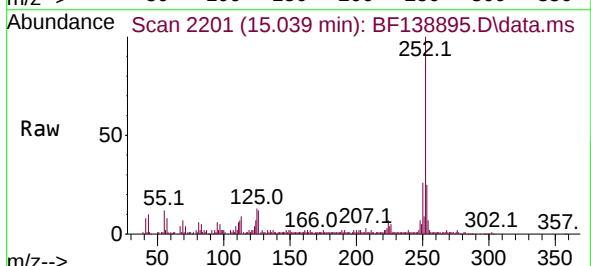
Reviewed By :Yogesh Patel 08/10/2024
Supervised By :mohammad ahmed 08/12/2024

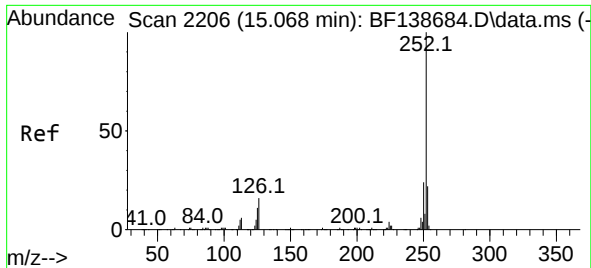
Supervised By :mohammad
ahmed
08/12/2024



#88
Benzo(b)fluoranthene
Concen: 22.656 ng m
RT: 15.039 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Tgt Ion:252 Resp: 88779
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 13.0 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 6.981 ng m

RT: 15.057 min Scan# 2206

Delta R.T. -0.012 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

Instrument :

BNA_F

ClientSampleId :

EO-03-080724

Tgt Ion:252	Resp:	2368
Ion Ratio	Lower	Upper
252	100	
253	23.0	17.4 26.0
125	12.9	8.6 13.0

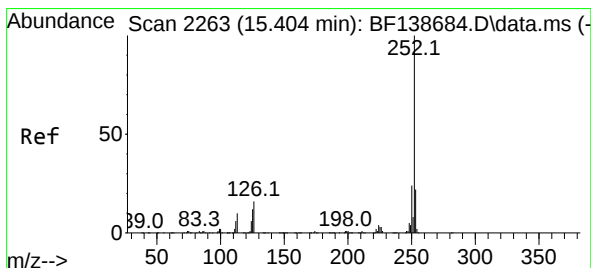
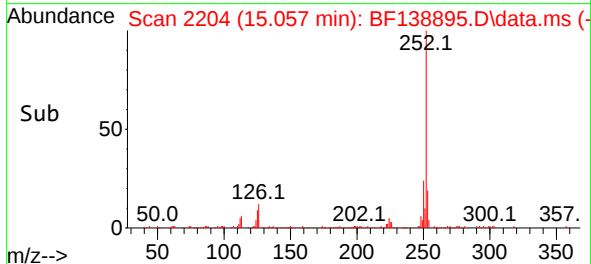
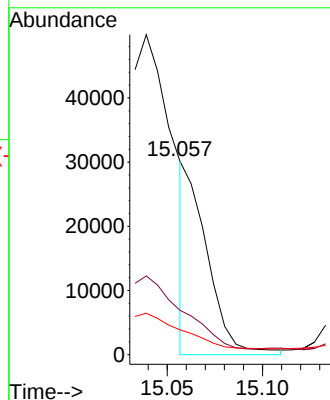
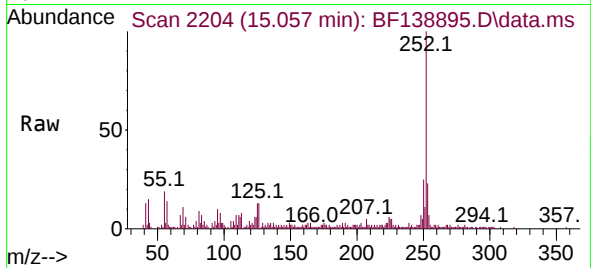
Manual Integrations

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Reviewed By :Yogesh Patel 08/10/2024

Supervised By :mohammad ahmed 08/12/2024

Supervised By :mohammad
ahmed
08/12/2024



#90

Benzo(a)pyrene

Concen: 18.555 ng

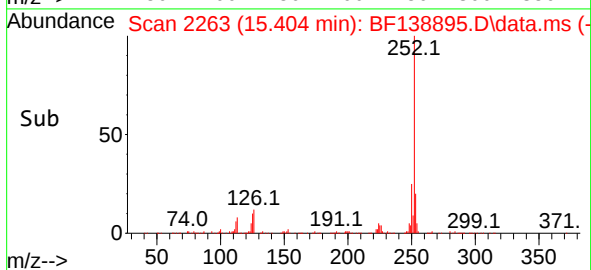
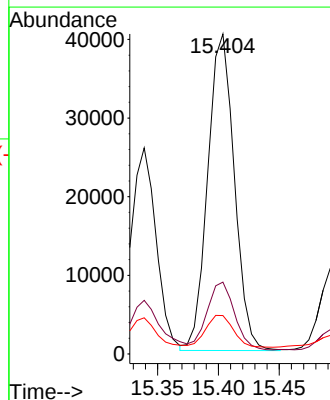
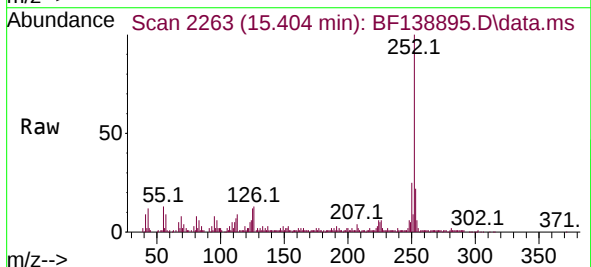
RT: 15.404 min Scan# 2263

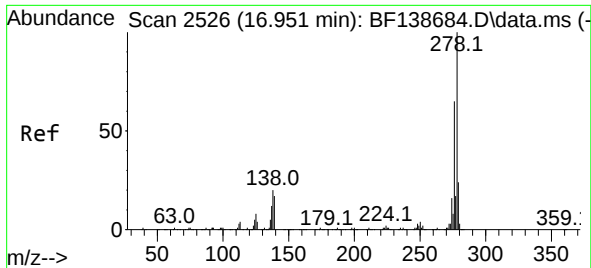
Delta R.T. -0.000 min

Lab File: BF138895.D

Acq: 09 Aug 2024 18:35

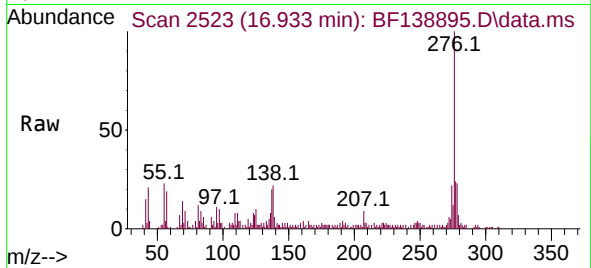
Tgt Ion:252	Resp:	61159
Ion Ratio	Lower	Upper
252	100	
253	22.5	17.3 25.9
125	12.0	9.5 14.3





#91
Dibenzo(a,h)anthracene
Concen: 2.207 ng
RT: 16.933 min Scan# 2526
Delta R.T. -0.018 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Instrument :
BNA_F
ClientSampleId :
EO-03-080724

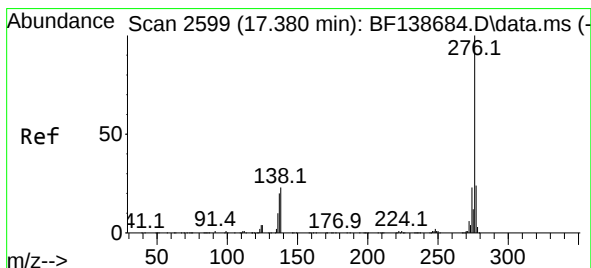
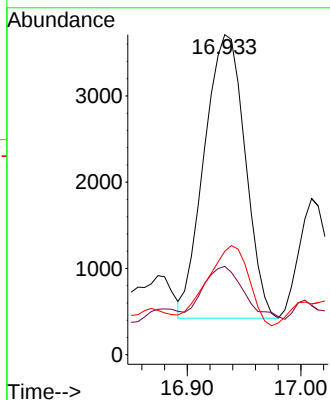
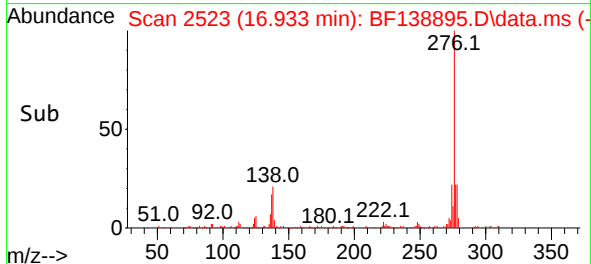


Tgt Ion: 278 Resp: 820
Ion Ratio Lower Upper
278 100
139 27.6 14.0 21.0
279 32.3 19.0 28.4

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 08/10/2024
Supervised By : mohammad ahmed 08/12/2024

Supervised By : mohammad
ahmed
08/12/2024



#92
Benzo(g,h,i)perylene
Concen: 7.860 ng
RT: 17.380 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BF138895.D
Acq: 09 Aug 2024 18:35

Tgt Ion: 276 Resp: 30330
Ion Ratio Lower Upper
276 100
277 28.3 19.0 28.4
138 22.3 18.5 27.7

