

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
 Data File : BF140653.D
 Acq On : 26 Nov 2024 20:11
 Operator : RC/JU
 Sample : P4971-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-112224

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/27/2024
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 27 00:08:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	68867	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	251988	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	129316	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	227783	20.000	ng	0.00
76) Chrysene-d12	14.045	240	139901	20.000	ng	0.00
86) Perylene-d12	15.539	264	109768	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	413184	102.368	ng	0.00
7) Phenol-d6	6.504	99	551136	103.286	ng	-0.01
23) Nitrobenzene-d5	7.434	82	348787	70.799	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	131935	95.395	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	641475	73.909	ng	-0.01
79) Terphenyl-d14	12.980	244	610225	67.919	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.939	154	23867	3.398	ng	98
55) Dibenzofuran	10.110	168	28796	2.688	ng	# 97
58) Fluorene	10.457	166	23835	2.772	ng	96
71) Phenanthrene	11.422	178	333672	30.474	ng	99
72) Anthracene	11.469	178	90212	8.423	ng	96
75) Fluoranthene	12.616	202	433426	36.459	ng	99
78) Pyrene	12.845	202	357523	27.639	ng	99
81) Benzo(a)anthracene	14.033	228	139062	15.016	ng	97
83) Chrysene	14.068	228	120175m	14.192	ng	
87) Indeno(1,2,3-cd)pyrene	17.051	276	43114	6.027	ng	96
88) Benzo(b)fluoranthene	15.104	252	98306m	14.258	ng	
89) Benzo(k)fluoranthene	15.121	252	38804m	6.431	ng	
90) Benzo(a)pyrene	15.480	252	68252	12.175	ng	# 92
92) Benzo(g,h,i)perylene	17.509	276	42482	7.106	ng	# 92

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

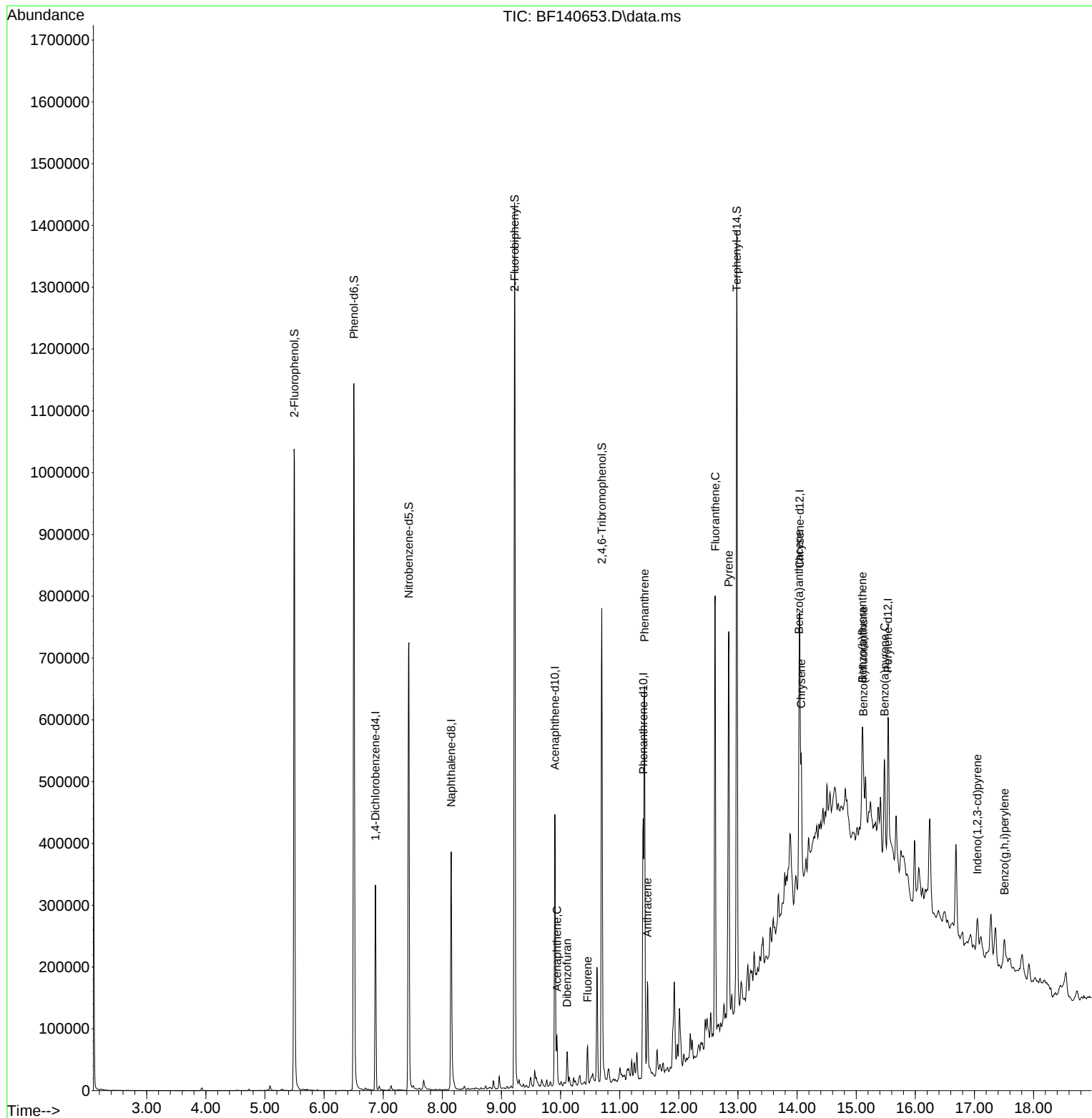
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140653.D
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Quant Time: Nov 27 00:08:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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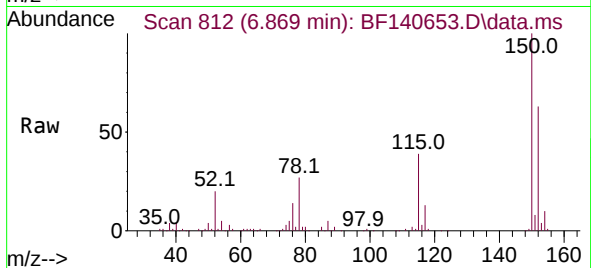
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224



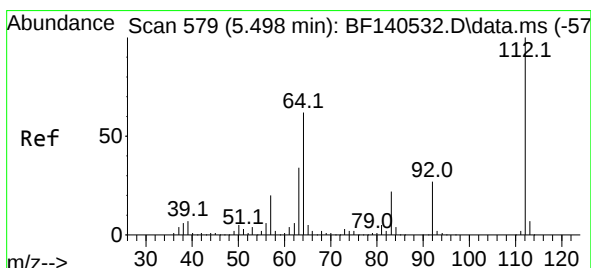
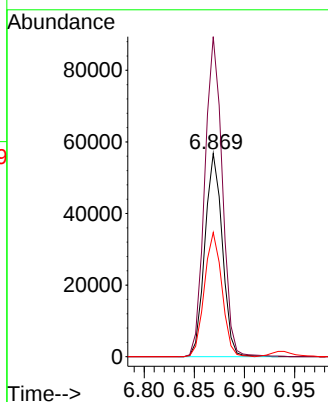
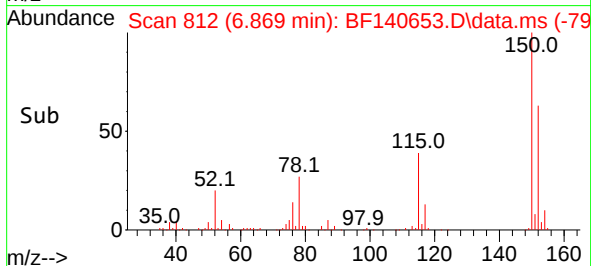
Tgt Ion:152 Resp: 6886
Ion Ratio Lower Upper
152 100
150 157.5 128.5 192.7
115 61.1 50.2 75.4

Manual Integrations

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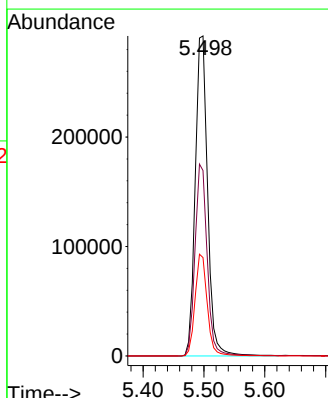
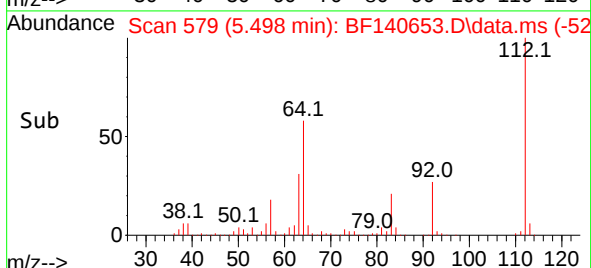
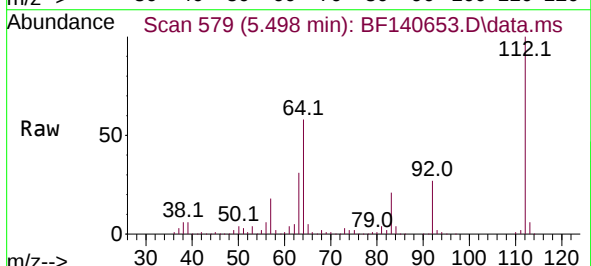
Reviewed By :Yogesh Patel 11/27/2024

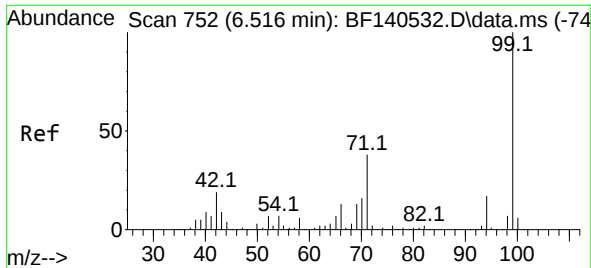
Supervised By :mohammad ahmed 11/27/2024



#5
2-Fluorophenol
Concen: 102.368 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Tgt Ion:112 Resp: 413184
Ion Ratio Lower Upper
112 100
64 57.9 49.2 73.8
63 30.8 27.0 40.4





#7
Phenol-d6
Concen: 103.286 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

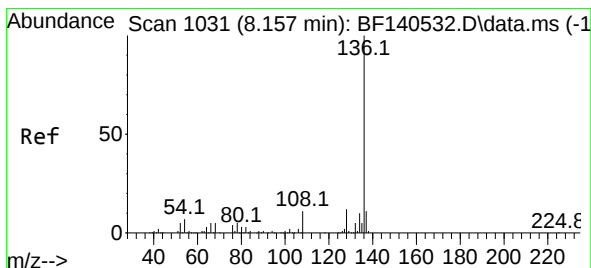
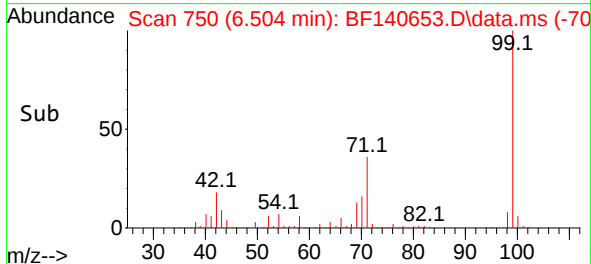
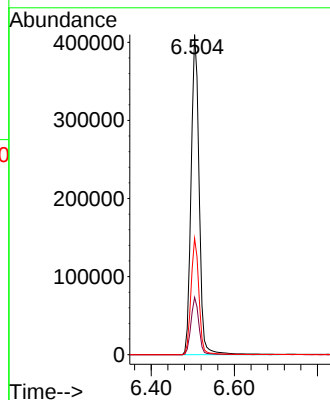
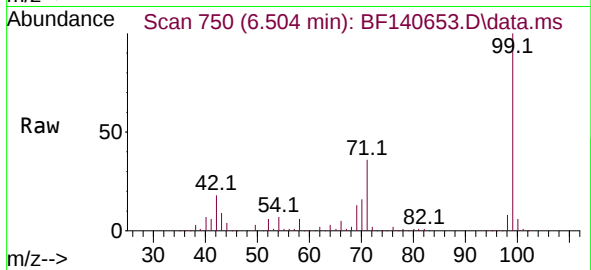
CL-02-112224

Tgt Ion: 99 Resp: 551130
Ion Ratio Lower Upper
99 100
42 17.9 15.4 23.0
71 36.4 30.6 46.0

Manual Integrations

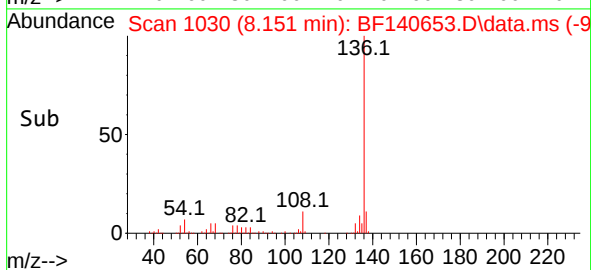
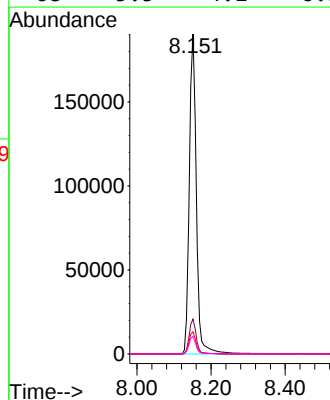
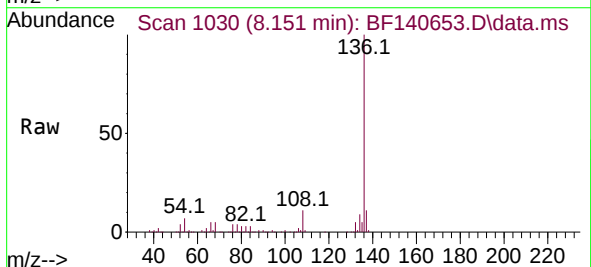
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Tgt Ion:136 Resp: 251988
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.0 5.8 8.8
68 5.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 70.799 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224

Tgt Ion: 82 Resp: 34878

Ion Ratio Lower Upper

82 100

128 43.7 33.0 49.4

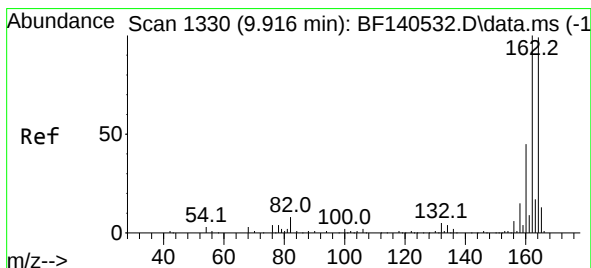
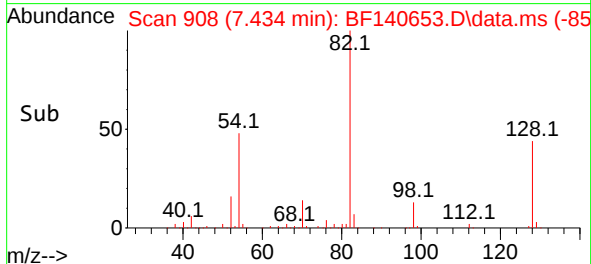
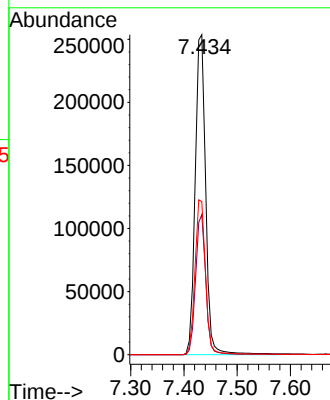
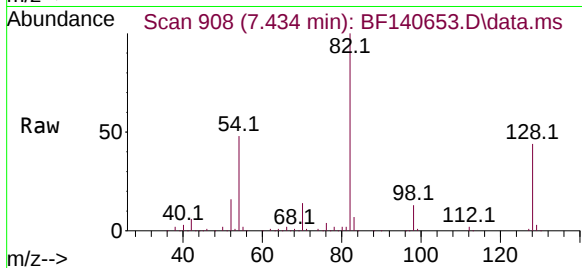
54 47.9 39.5 59.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

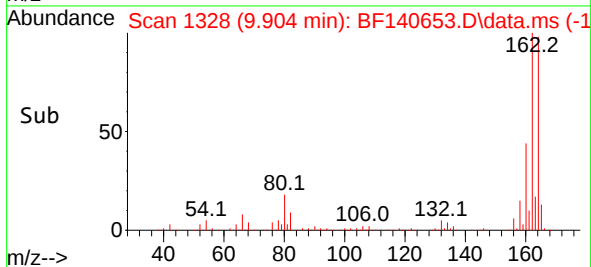
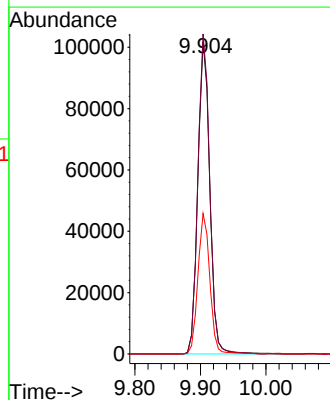
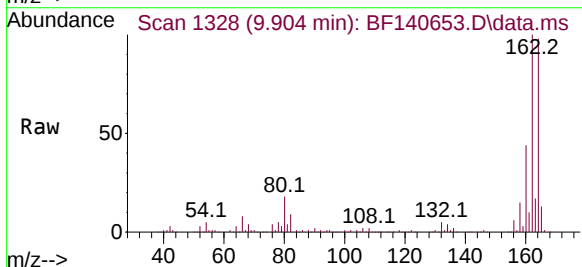
Tgt Ion:164 Resp: 129316

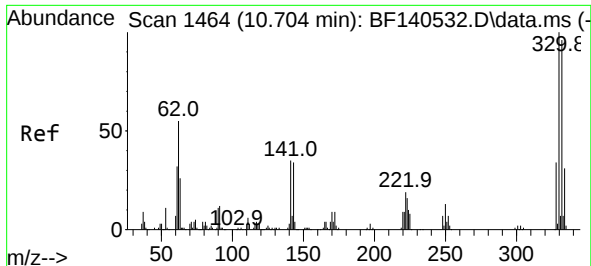
Ion Ratio Lower Upper

164 100

162 102.4 80.6 120.8

160 44.9 36.2 54.4





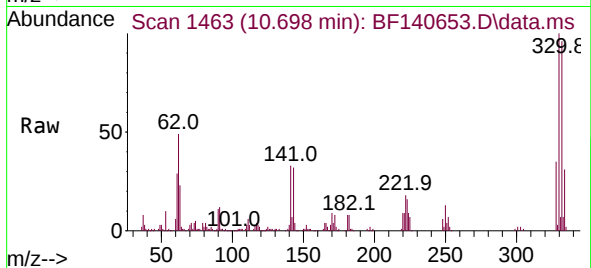
#42
2,4,6-Tribromophenol
Concen: 95.395 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224



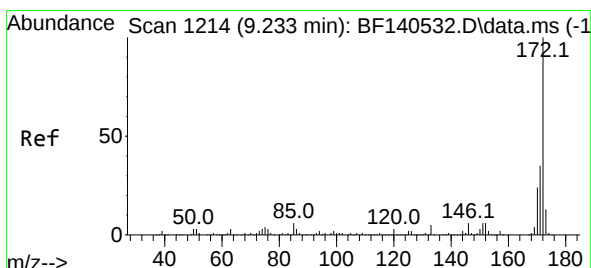
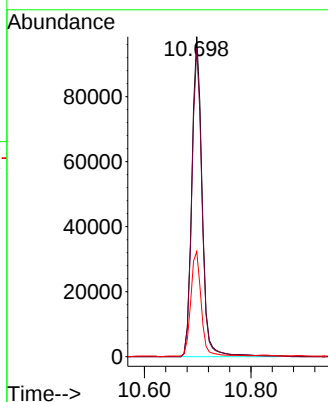
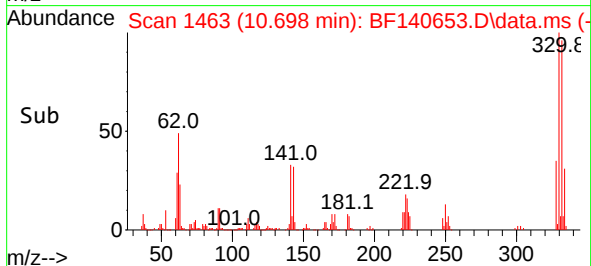
Tgt Ion:330 Resp: 131935
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 34.4 26.7 40.1

Manual Integrations

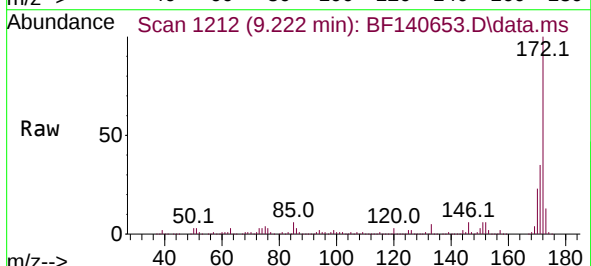
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Reviewed By :Yogesh Patel 11/27/2024

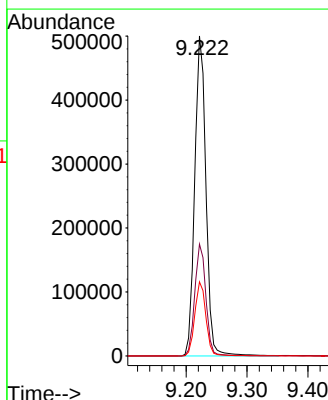
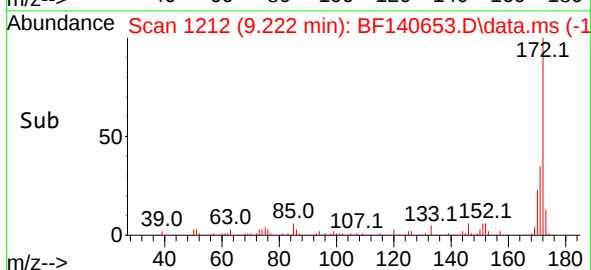
Supervised By :mohammad ahmed 11/27/2024

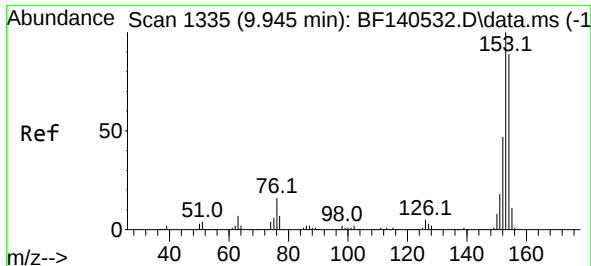


#45
2-Fluorobiphenyl
Concen: 73.909 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11



Tgt Ion:172 Resp: 641475
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.1 19.0 28.6





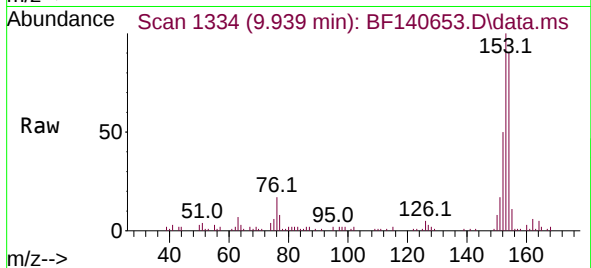
#52
Acenaphthene
Concen: 3.398 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224



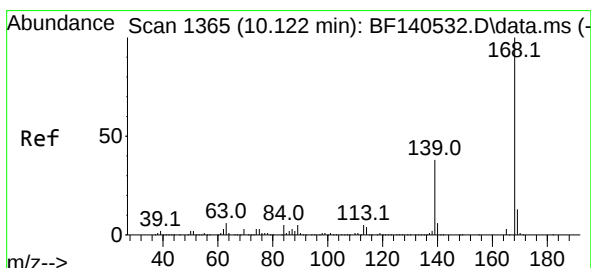
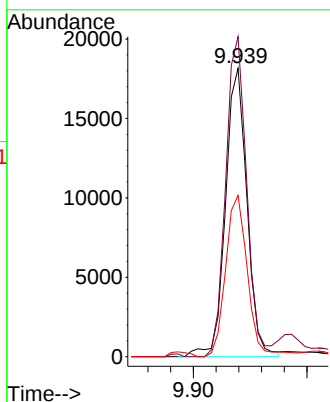
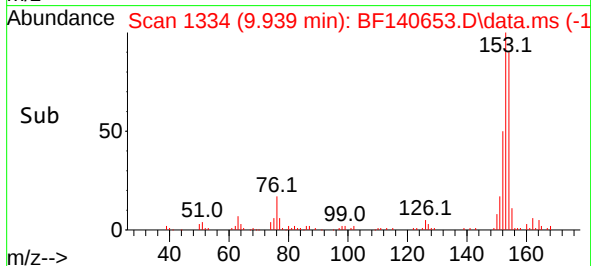
Tgt Ion:154 Resp: 2386
Ion Ratio Lower Upper
154 100
153 111.0 89.7 134.5
152 55.9 42.5 63.7

Manual Integrations

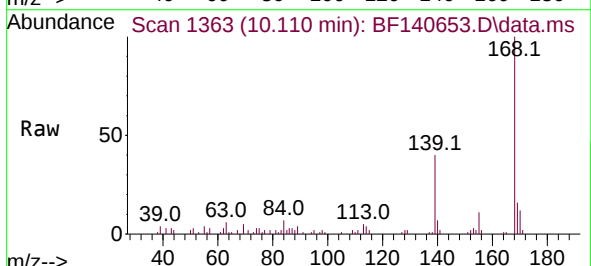
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Reviewed By :Yogesh Patel 11/27/2024

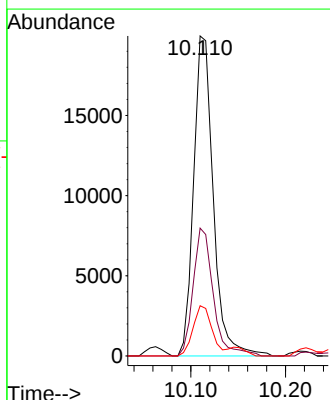
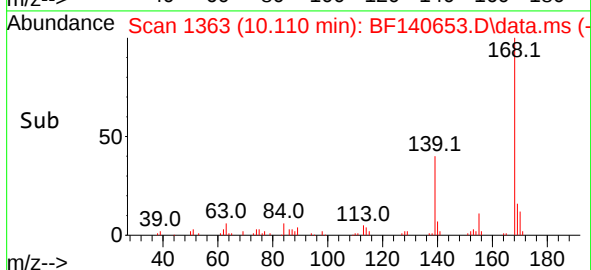
Supervised By :mohammad ahmed 11/27/2024

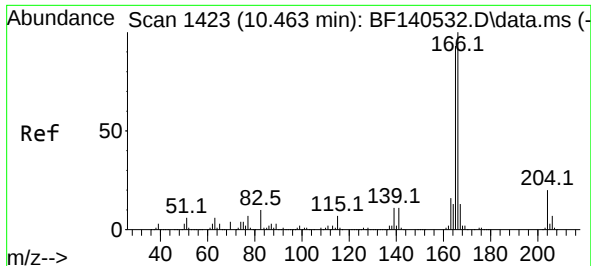


#55
Dibenzofuran
Concen: 2.688 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11



Tgt Ion:168 Resp: 28796
Ion Ratio Lower Upper
168 100
139 39.9 31.3 46.9
169 15.7 10.5 15.7#





#58
Fluorene
Concen: 2.772 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

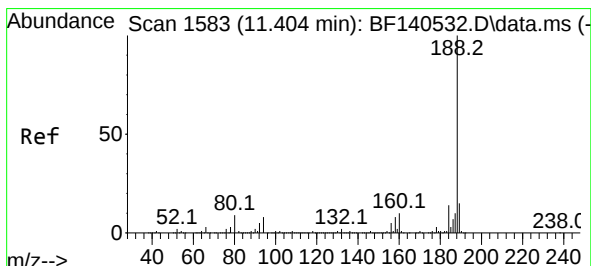
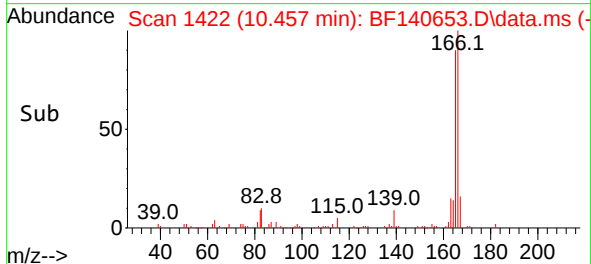
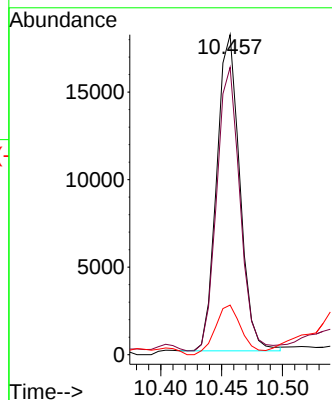
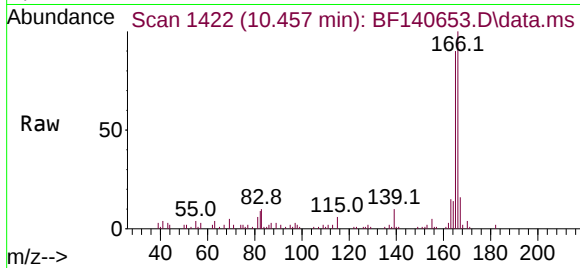
CL-02-112224

Tgt Ion:166 Resp: 2383
Ion Ratio Lower Upper
166 100
165 89.8 74.6 111.8
167 15.5 10.6 16.0

Manual Integrations

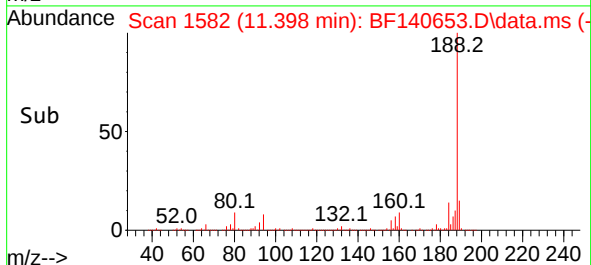
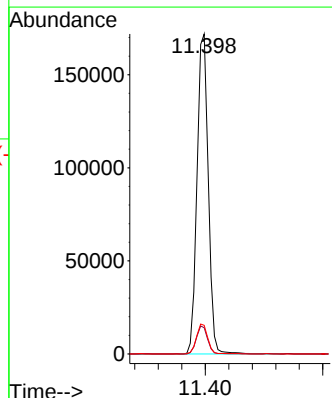
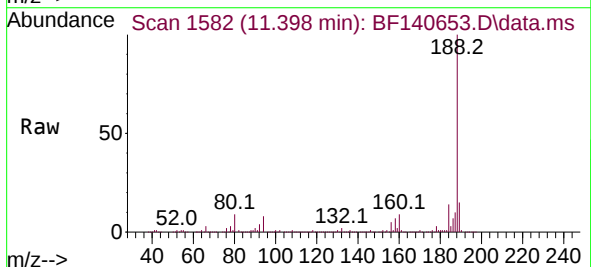
APPROVED

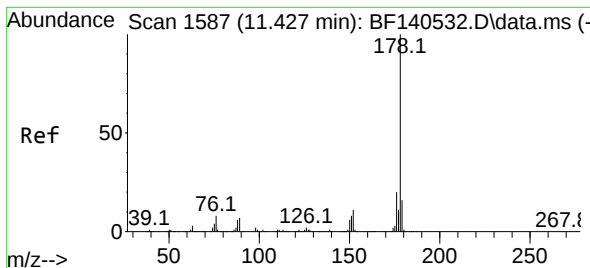
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Tgt Ion:188 Resp: 227783
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 9.0 6.9 10.3





#71

Phenanthrene

Concen: 30.474 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224

Tgt Ion:178 Resp: 333672

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.6

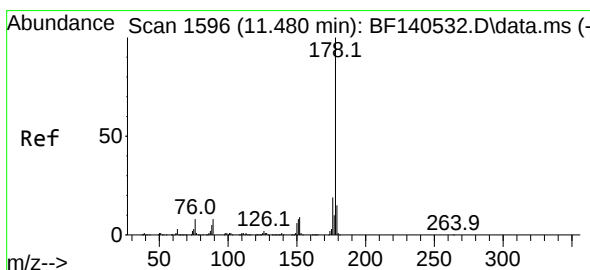
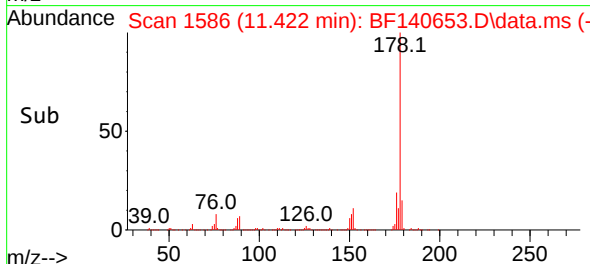
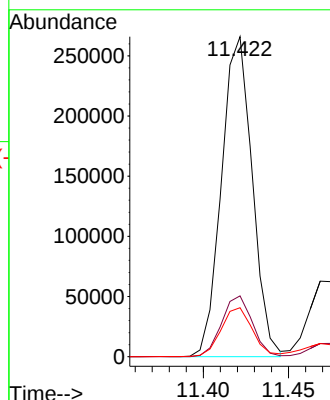
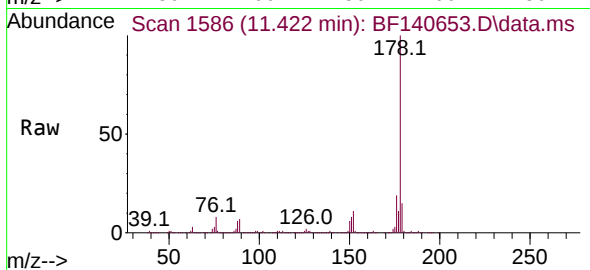
179 15.3 12.4 18.6

Manual Integrations

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Supervised By :mohammad ahmed 11/27/2024



#72

Anthracene

Concen: 8.423 ng

RT: 11.469 min Scan# 1594

Delta R.T. -0.012 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

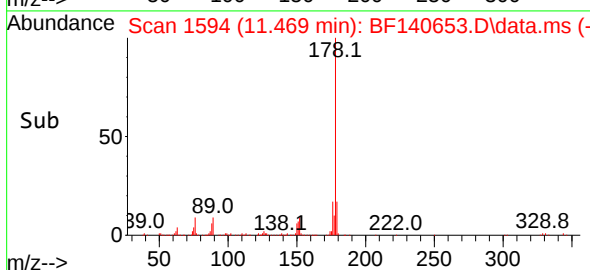
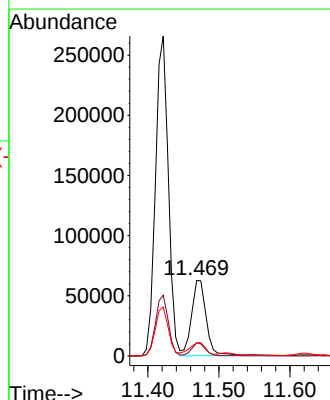
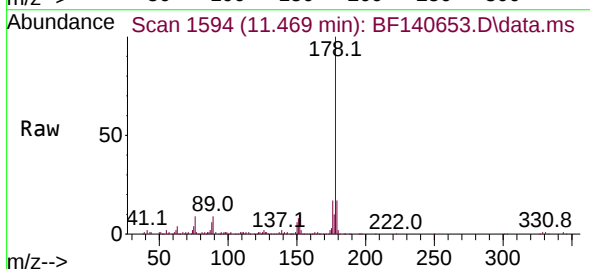
Tgt Ion:178 Resp: 90212

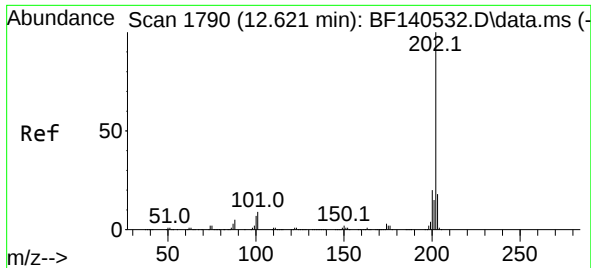
Ion Ratio Lower Upper

178 100

176 17.4 15.0 22.4

179 17.3 12.2 18.4





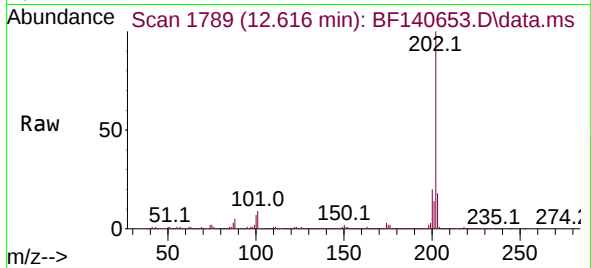
#75
Fluoranthene
Concen: 36.459 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224



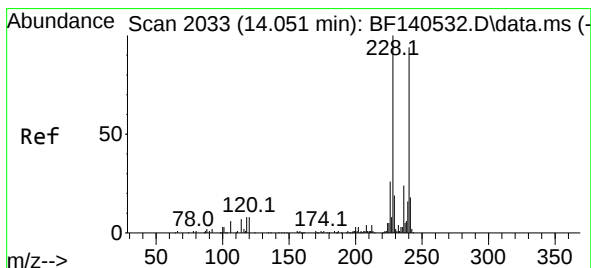
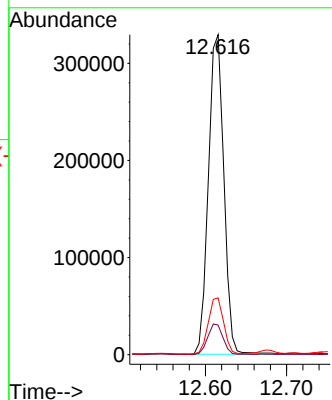
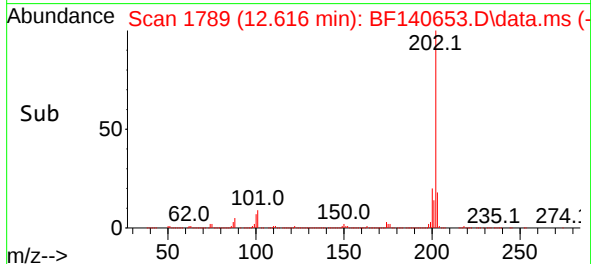
Tgt Ion:202 Resp: 433420
Ion Ratio Lower Upper
202 100
101 9.2 0.0 28.9
203 17.8 0.0 37.6

Manual Integrations

APPROVED

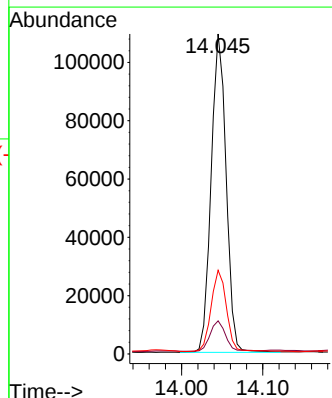
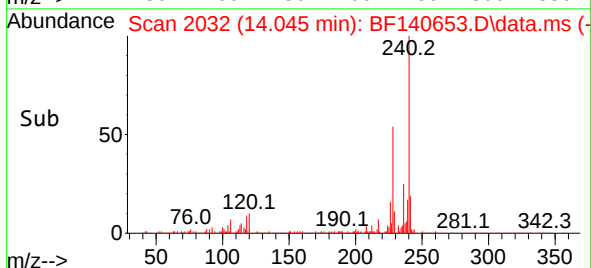
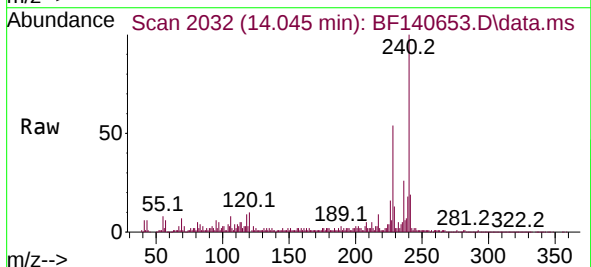
Reviewed By :Yogesh Patel 11/27/2024

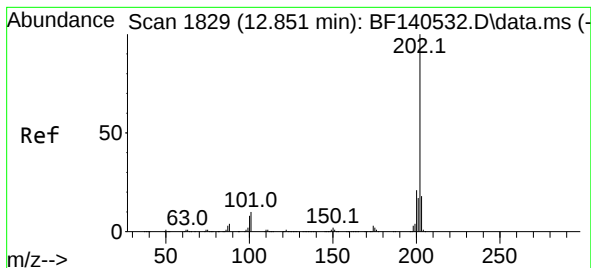
Supervised By :mohammad ahmed 11/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Tgt Ion:240 Resp: 139901
Ion Ratio Lower Upper
240 100
120 10.4 7.3 10.9
236 26.2 20.6 31.0





#78

Pyrene

Concen: 27.639 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224

Tgt Ion:202 Resp: 35752

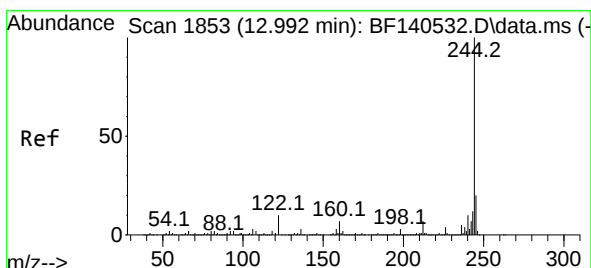
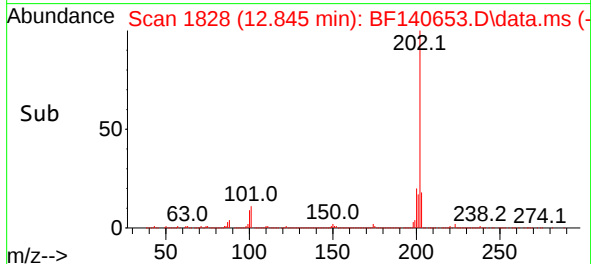
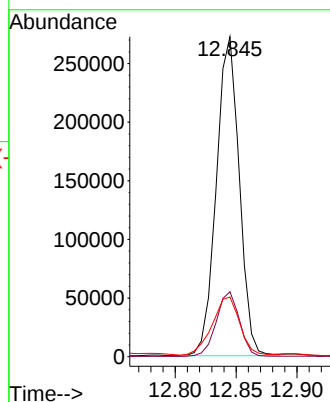
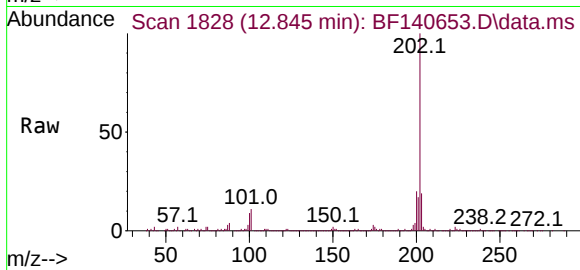
Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.5	24.7
203	18.7	14.2	21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#79

Terphenyl-d14

Concen: 67.919 ng

RT: 12.980 min Scan# 1851

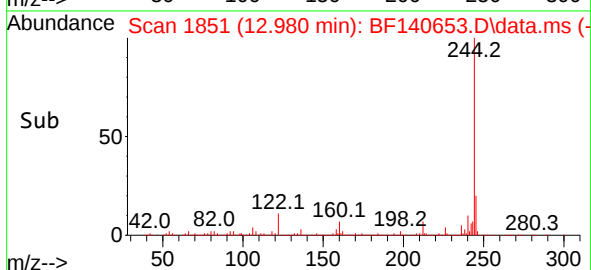
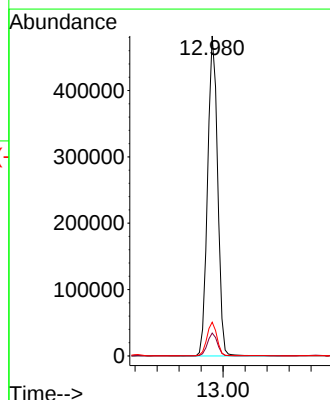
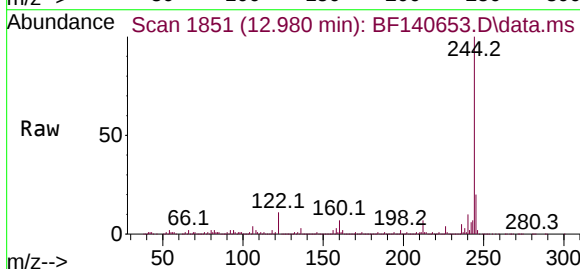
Delta R.T. -0.012 min

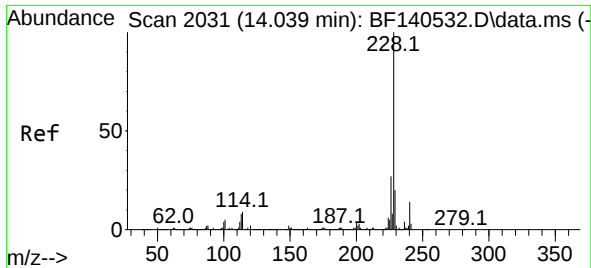
Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

Tgt Ion:244 Resp: 610225

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.6	8.0	12.0





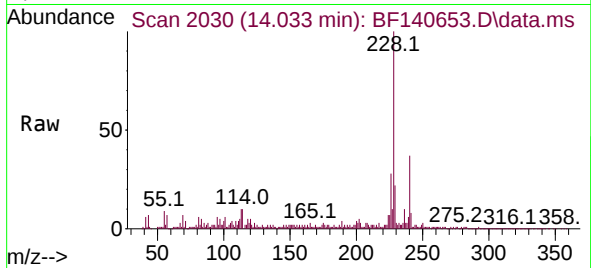
#81
Benzo(a)anthracene
Concen: 15.016 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224



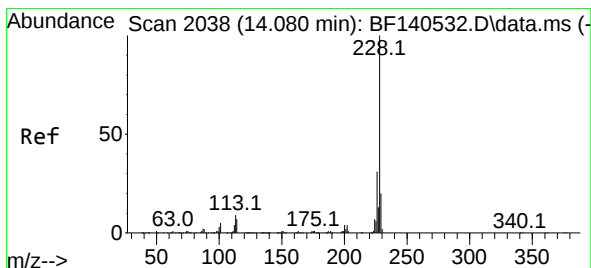
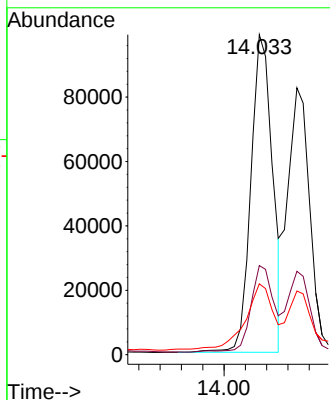
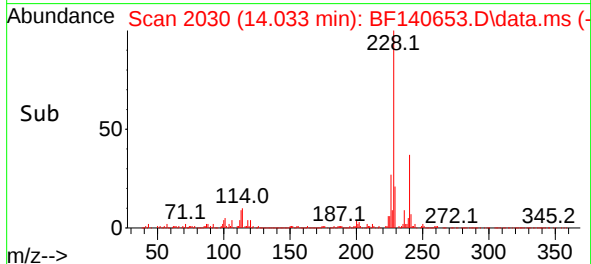
Tgt Ion:228 Resp: 139062
Ion Ratio Lower Upper
228 100
226 27.9 21.8 32.8
229 22.2 15.8 23.6

Manual Integrations

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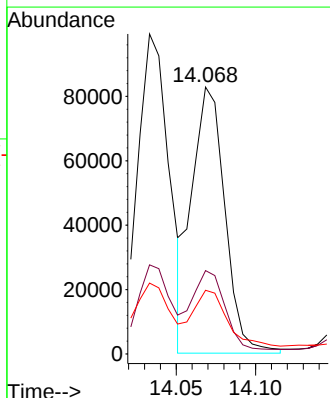
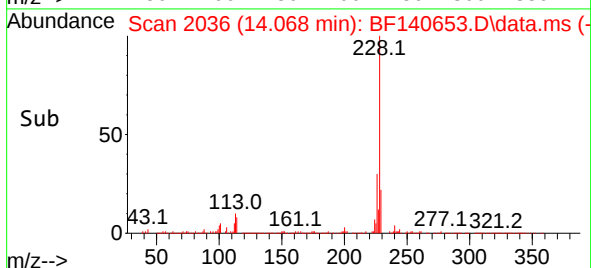
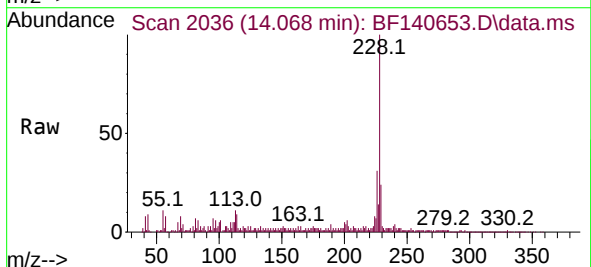
Reviewed By :Yogesh Patel 11/27/2024

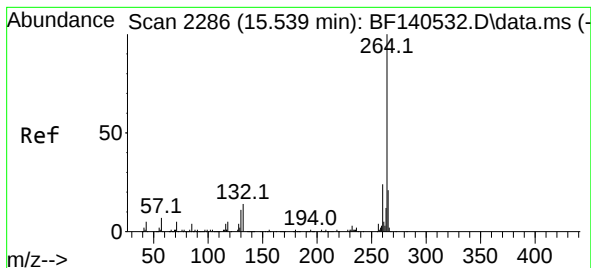
Supervised By :mohammad ahmed 11/27/2024



#83
Chrysene
Concen: 14.192 ng m
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Tgt Ion:228 Resp: 120175
Ion Ratio Lower Upper
228 100
226 31.2 24.4 36.6
229 23.9 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224

Tgt Ion:264 Resp: 109768

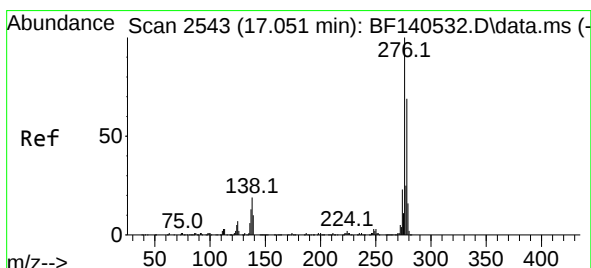
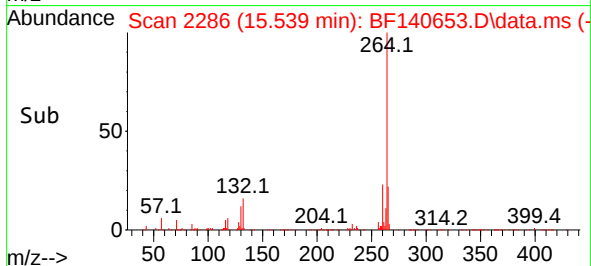
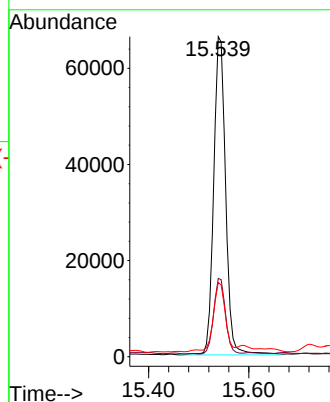
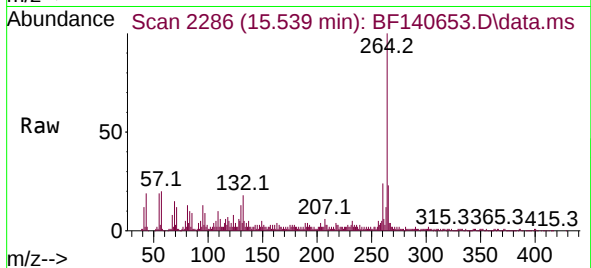
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.6
265	23.1	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.027 ng

RT: 17.051 min Scan# 2543

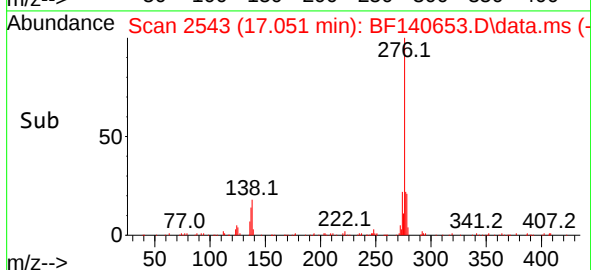
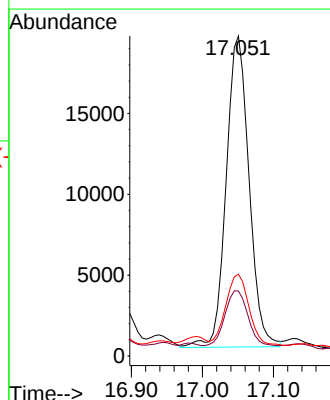
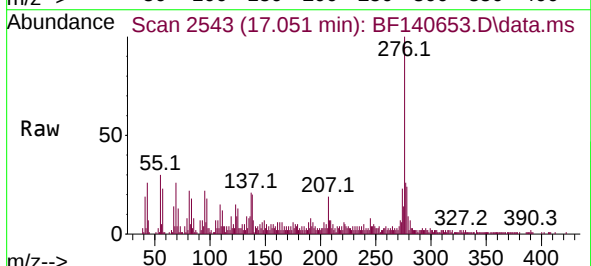
Delta R.T. -0.000 min

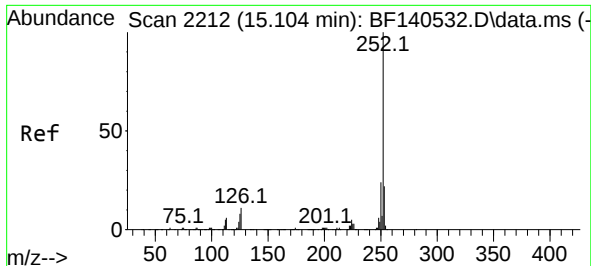
Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

Tgt Ion:276 Resp: 43114

Ion	Ratio	Lower	Upper
276	100		
138	17.8	15.5	23.3
277	23.2	20.1	30.1





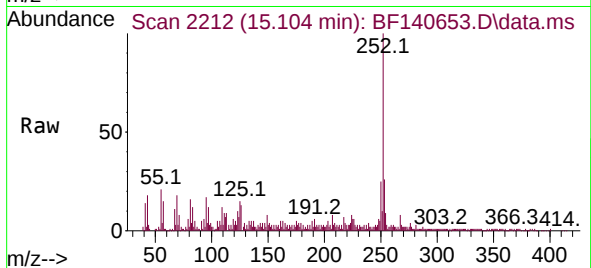
#88
Benzo(b)fluoranthene
Concen: 14.258 ng m
RT: 15.104 min Scan# 2212
Delta R.T. -0.000 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224



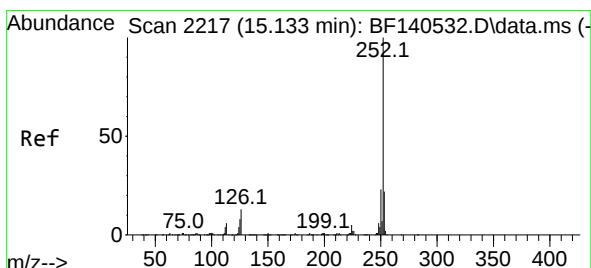
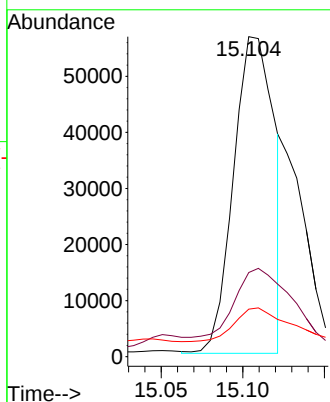
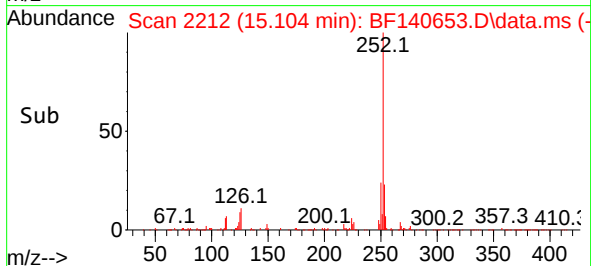
Tgt Ion:252 Resp: 98300
Ion Ratio Lower Upper
252 100
253 26.3 17.2 25.8#
125 14.8 6.7 10.1#

Manual Integrations

APPROVED

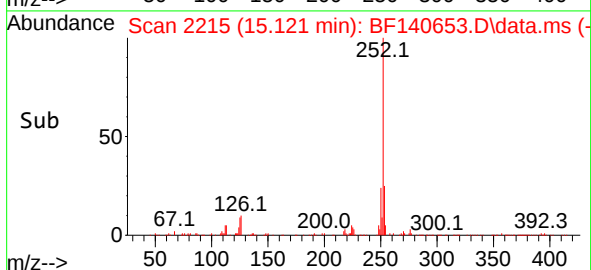
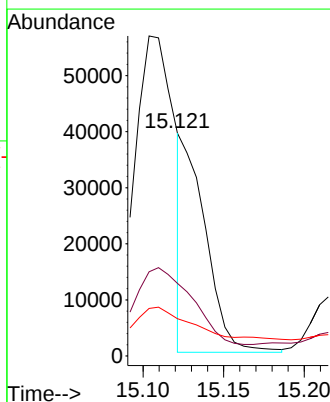
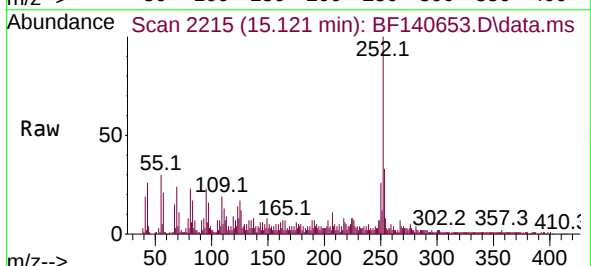
Reviewed By :Yogesh Patel 11/27/2024

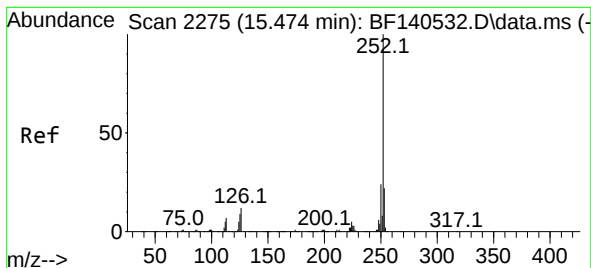
Supervised By :mohammad ahmed 11/27/2024



#89
Benzo(k)fluoranthene
Concen: 6.431 ng m
RT: 15.121 min Scan# 2215
Delta R.T. -0.012 min
Lab File: BF140653.D
Acq: 26 Nov 2024 20:11

Tgt Ion:252 Resp: 38804
Ion Ratio Lower Upper
252 100
253 32.6 17.5 26.3#
125 16.7 6.5 9.7#





#90

Benzo(a)pyrene

Concen: 12.175 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

Instrument :

BNA_F

ClientSampleId :

CL-02-112224

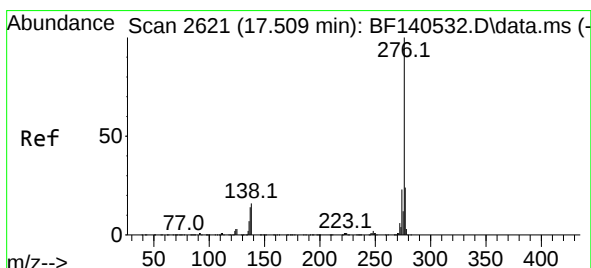
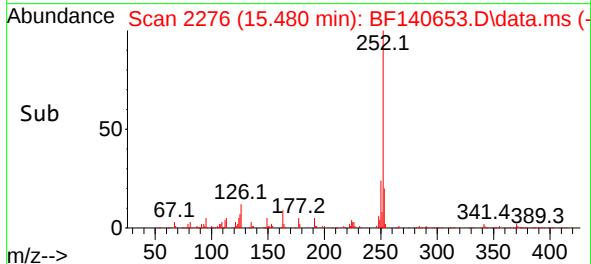
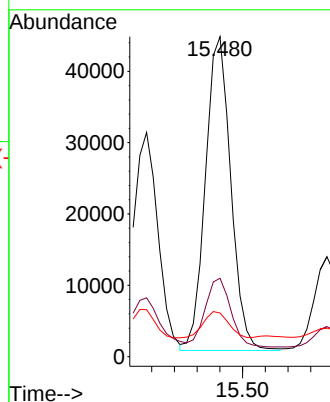
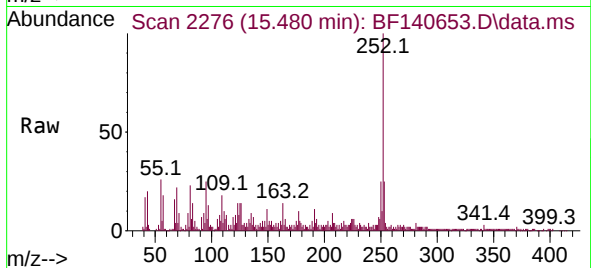
Tgt Ion:252 Resp: 68252
 Ion Ratio Lower Upper
 252 100
 253 24.5 17.3 25.9
 125 13.7 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/27/2024

Supervised By :mohammad ahmed 11/27/2024



#92

Benzo(g,h,i)perylene

Concen: 7.106 ng

RT: 17.509 min Scan# 2621

Delta R.T. -0.000 min

Lab File: BF140653.D

Acq: 26 Nov 2024 20:11

Tgt Ion:276 Resp: 42482
 Ion Ratio Lower Upper
 276 100
 277 26.7 18.9 28.3
 138 21.0 13.2 19.8

