

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
 Data File : BF138562.D
 Acq On : 12 Jul 2024 23:12
 Operator : CG\JU
 Sample : P3227-01 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-07112024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/13/2024
 Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 13 00:13:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	112301	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	286107	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	182170	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	330190	20.000	ng	0.00
76) Chrysene-d12	14.021	240	175686	20.000	ng	0.00
86) Perylene-d12	15.492	264	167026	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	59409	8.378	ng	0.00
7) Phenol-d6	6.498	99	74681	7.917	ng	0.00
23) Nitrobenzene-d5	7.422	82	33997	5.834	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	13479	7.917	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	72066	6.183	ng	0.00
79) Terphenyl-d14	12.969	244	69795	6.472	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.933	154	24166	2.455	ng	94
58) Fluorene	10.445	166	31034	2.747	ng	94
71) Phenanthrene	11.410	178	386125	23.147	ng	99
72) Anthracene	11.463	178	89452	5.402	ng	99
73) Carbazole	11.616	167	36205	2.433	ng	96
75) Fluoranthene	12.598	202	471577	27.705	ng	96
78) Pyrene	12.827	202	334994	18.783	ng	99
81) Benzo(a)anthracene	14.016	228	136337	11.565	ng	99
83) Chrysene	14.051	228	118974	10.668	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	46000	4.100	ng	94
88) Benzo(b)fluoranthene	15.063	252	121691m	12.937	ng	
89) Benzo(k)fluoranthene	15.092	252	47526m	5.181	ng	
90) Benzo(a)pyrene	15.433	252	87886	10.636	ng	# 95
92) Benzo(g,h,i)perylene	17.409	276	41876	4.303	ng	# 85

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

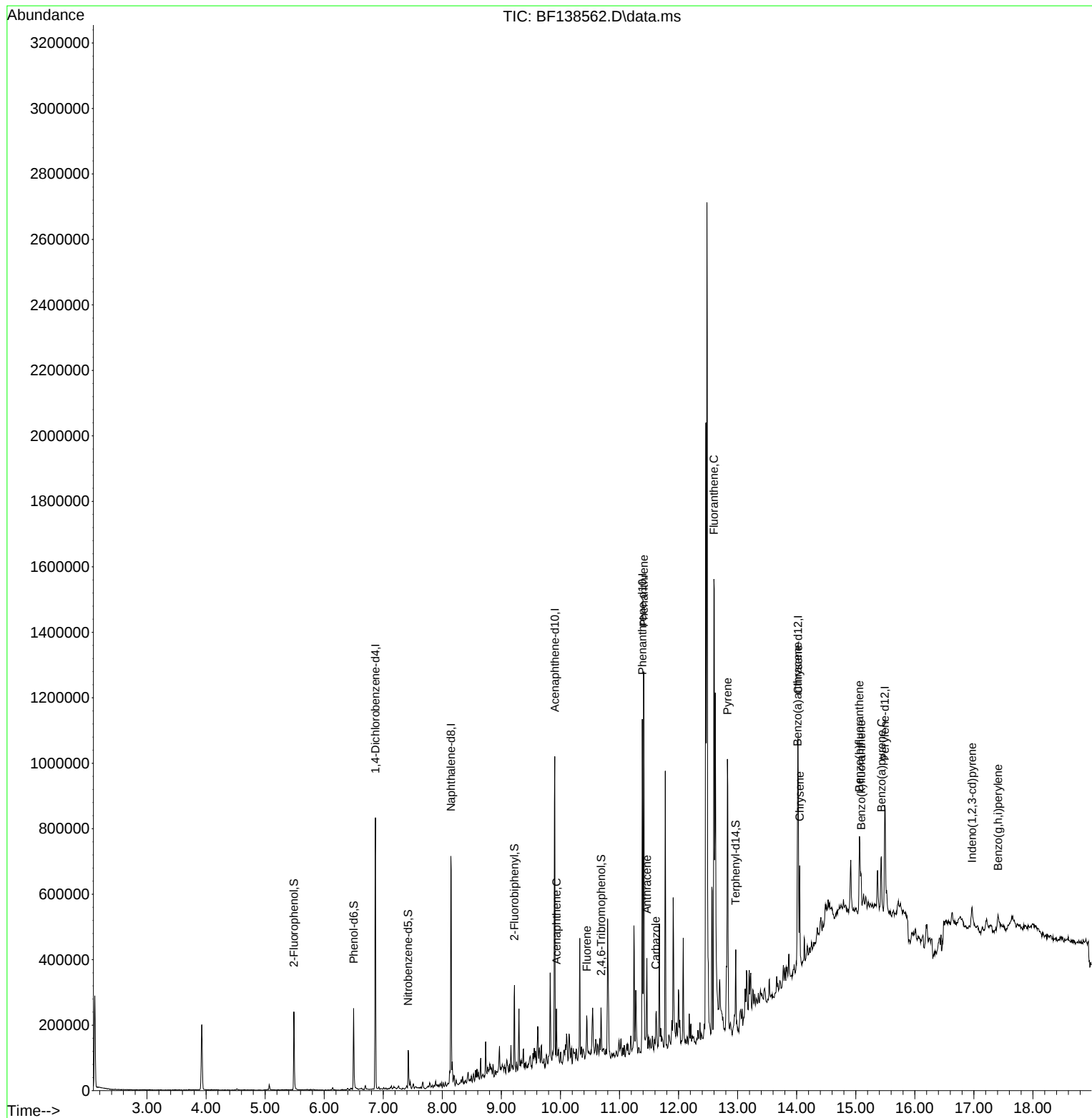
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
Data File : BF138562.D
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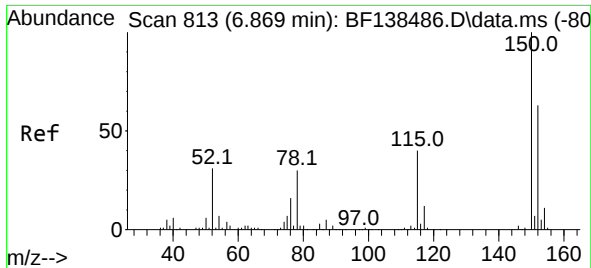
Instrument :
BNA_F
ClientSampleId :
EO-03-07112024

Quant Time: Jul 13 00:13:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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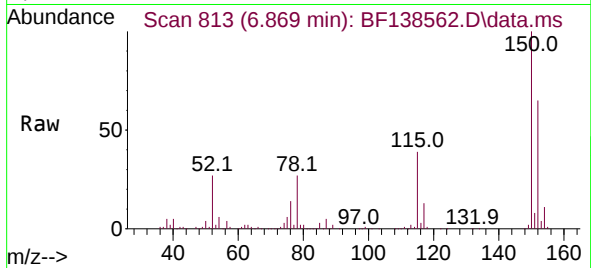
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

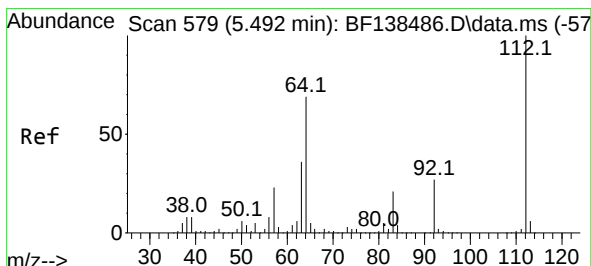
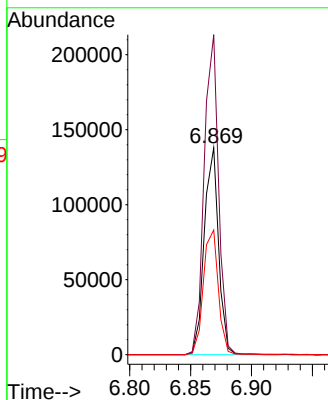
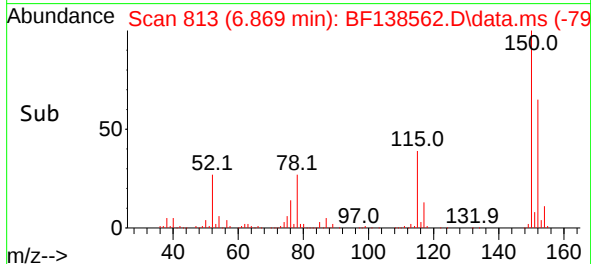
Instrument :
BNA_F
ClientSampleId :
EO-03-07112024



Tgt Ion:152 Resp: 11230
Ion Ratio Lower Upper
152 100
150 154.6 126.2 189.4
115 60.2 50.3 75.5

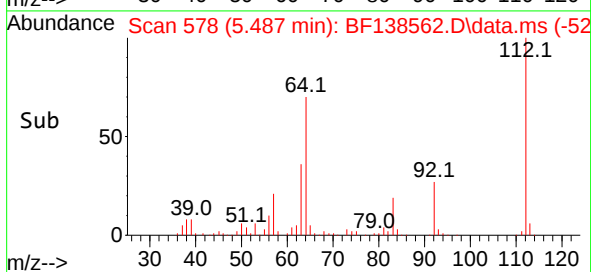
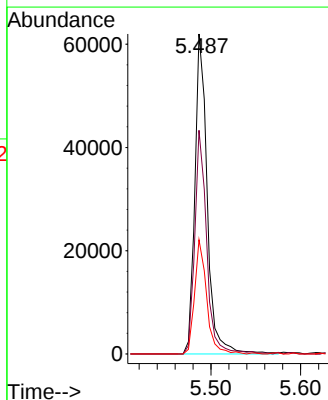
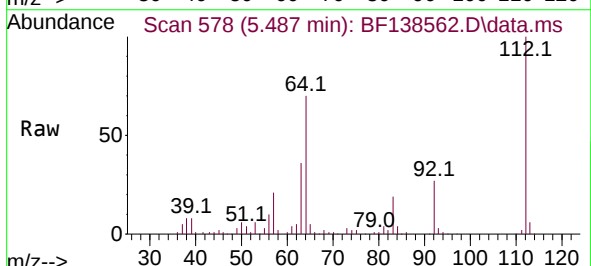
Manual Integrations
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Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#5
2-Fluorophenol
Concen: 8.378 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

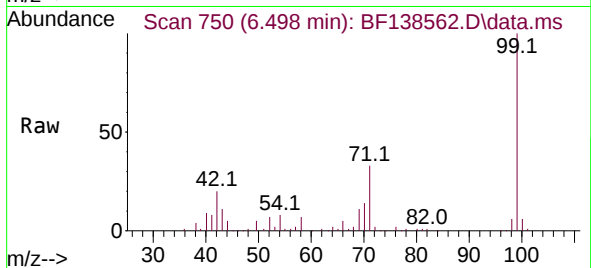
Tgt Ion:112 Resp: 59409
Ion Ratio Lower Upper
112 100
64 69.9 55.1 82.7
63 35.7 29.0 43.6





#7
Phenol-d6
Concen: 7.917 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

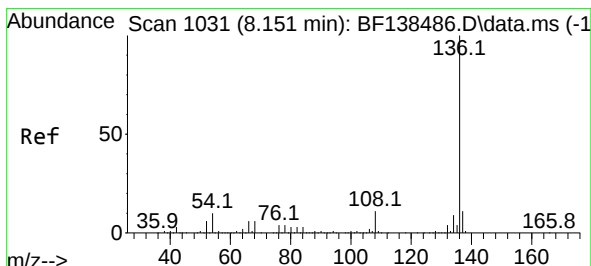
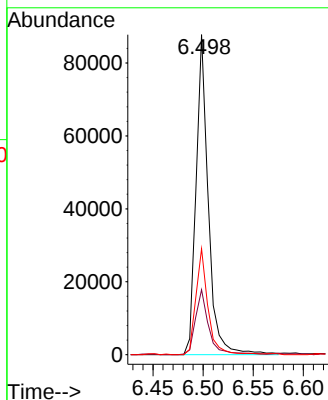
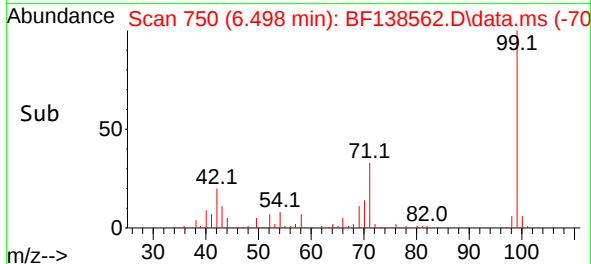
Instrument :
BNA_F
ClientSampleId :
EO-03-07112024



Tgt Ion: 99 Resp: 7468
Ion Ratio Lower Upper
99 100
42 20.3 19.7 29.5
71 33.1 29.9 44.9

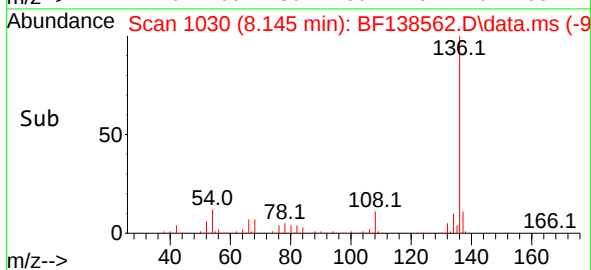
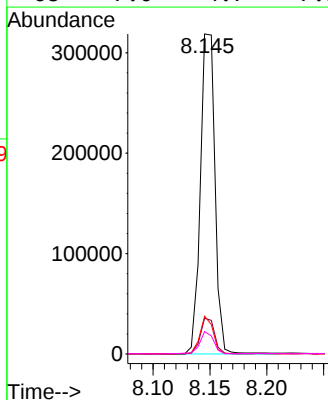
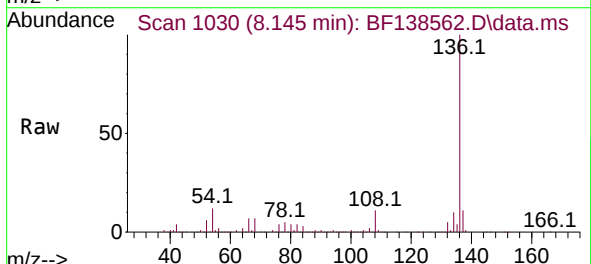
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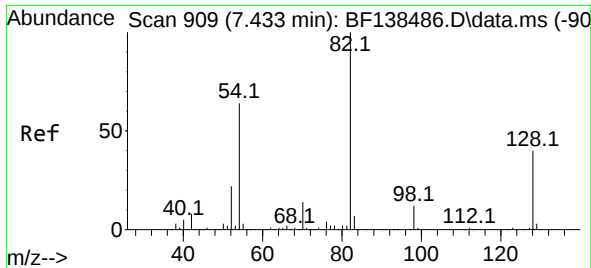
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

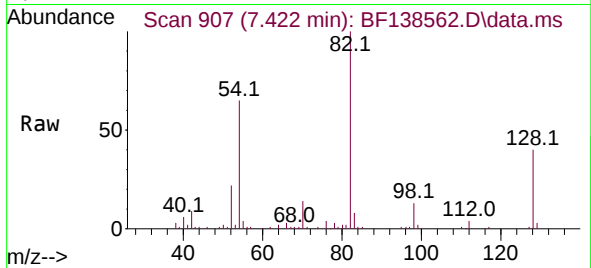
Tgt Ion:136 Resp: 286107
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 11.8 8.1 12.1
68 7.0 4.7 7.1





#23
Nitrobenzene-d5
Concen: 5.834 ng
RT: 7.422 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

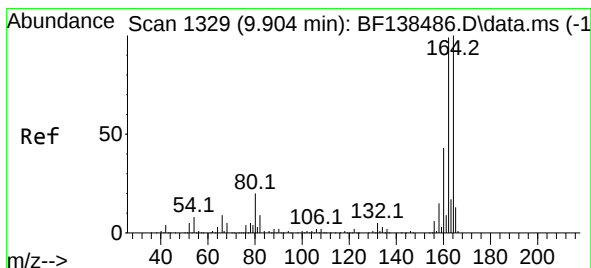
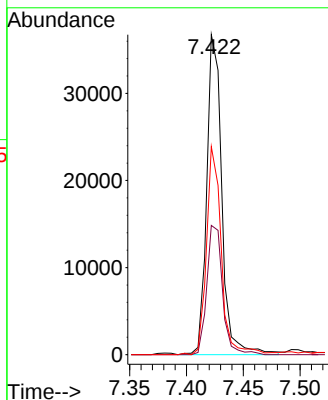
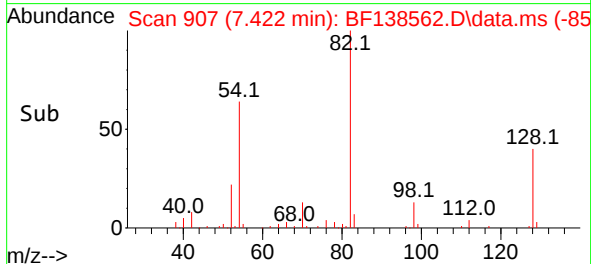
Instrument :
BNA_F
ClientSampleId :
EO-03-07112024



Tgt Ion: 82 Resp: 33997
Ion Ratio Lower Upper
82 100
128 40.4 32.3 48.5
54 65.0 51.4 77.0

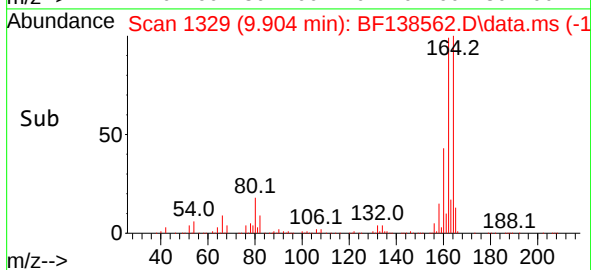
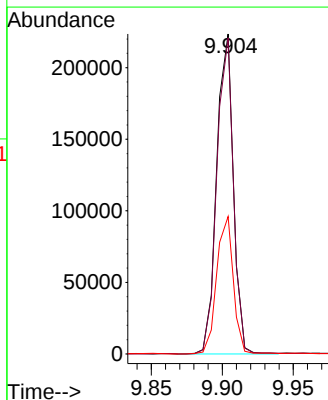
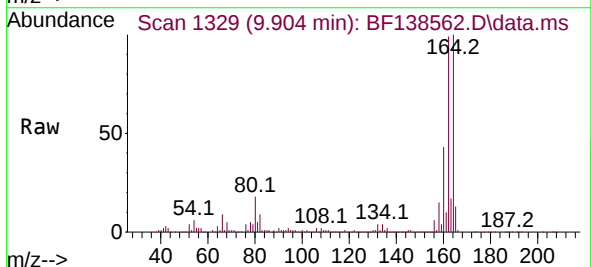
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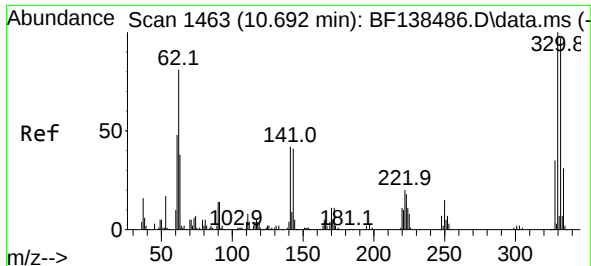
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

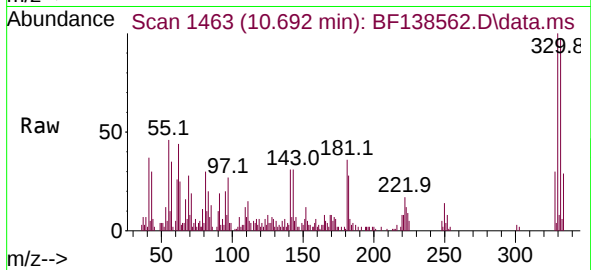
Tgt Ion:164 Resp: 182170
Ion Ratio Lower Upper
164 100
162 98.8 79.0 118.6
160 43.0 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 7.917 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

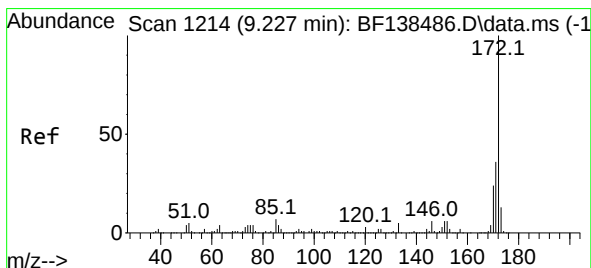
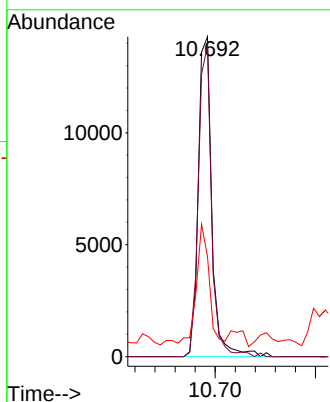
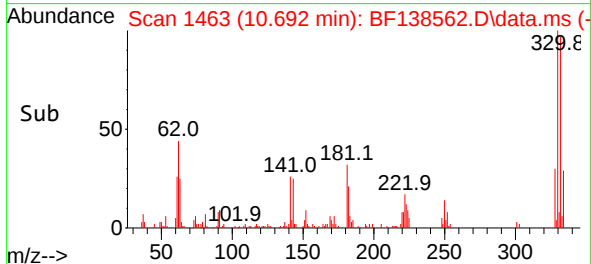
Instrument :
BNA_F
ClientSampleId :
EO-03-07112024



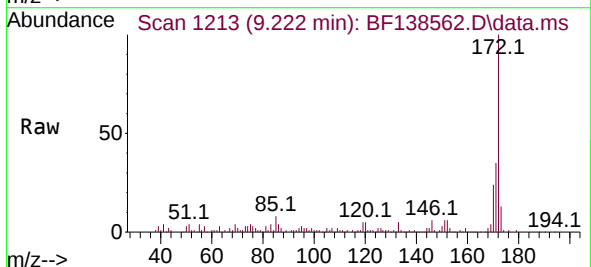
Tgt Ion: 330 Resp: 13479
Ion Ratio Lower Upper
330 100
332 94.8 76.8 115.2
141 37.1 29.4 44.2

Manual Integrations
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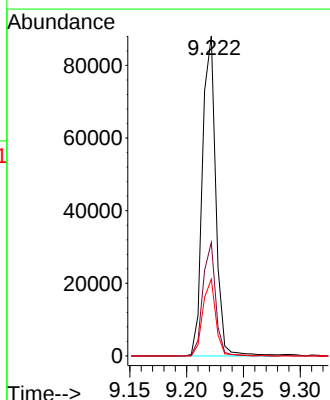
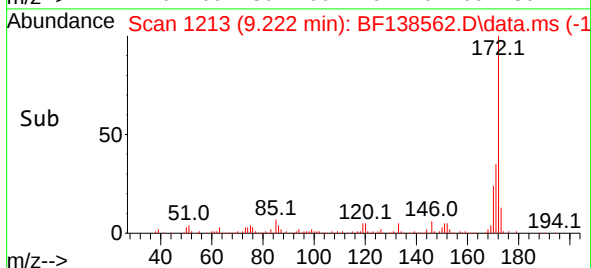
Reviewed By : Yogesh Patel 07/13/2024
Supervised By : mohammad ahmed 07/19/2024

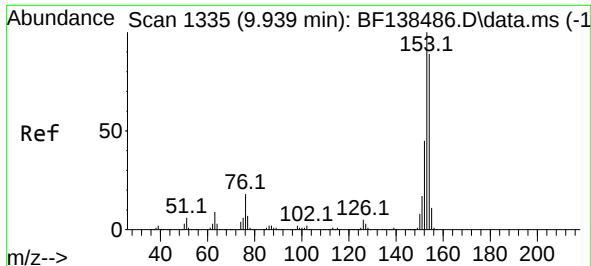


#45
2-Fluorobiphenyl
Concen: 6.183 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12



Tgt Ion: 172 Resp: 72066
Ion Ratio Lower Upper
172 100
171 35.5 28.9 43.3
170 24.0 18.9 28.3





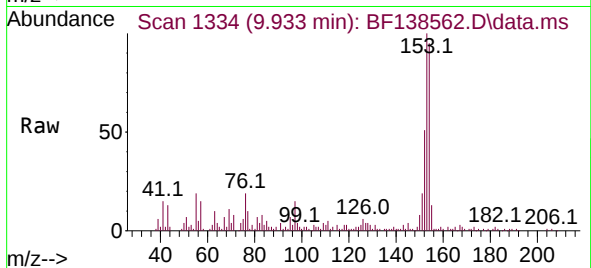
#52
Acenaphthene
Concen: 2.455 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-07112024



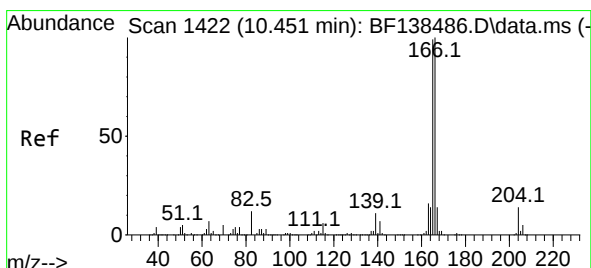
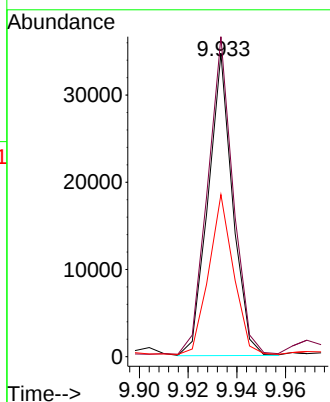
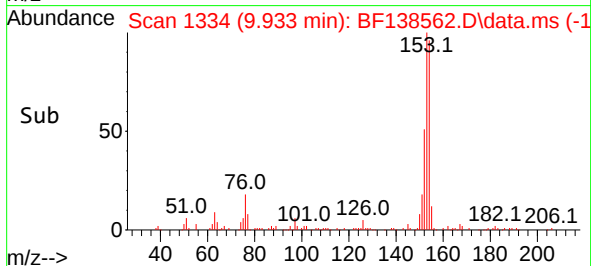
Tgt Ion:154 Resp: 24160
Ion Ratio Lower Upper
154 100
153 105.4 90.4 135.6
152 53.4 41.1 61.7

Manual Integrations

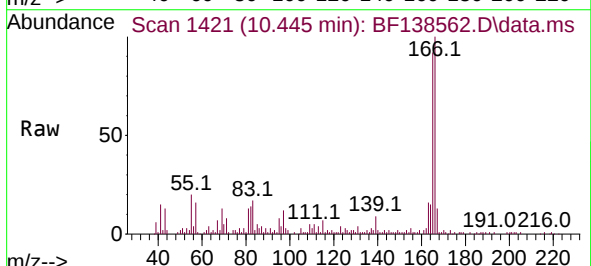
APPROVED

Reviewed By :Yogesh Patel 07/13/2024

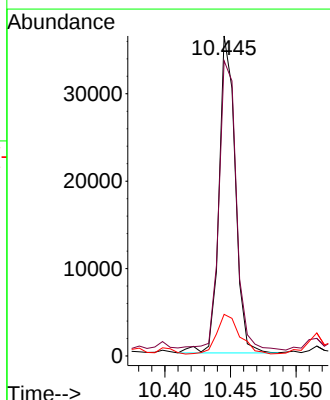
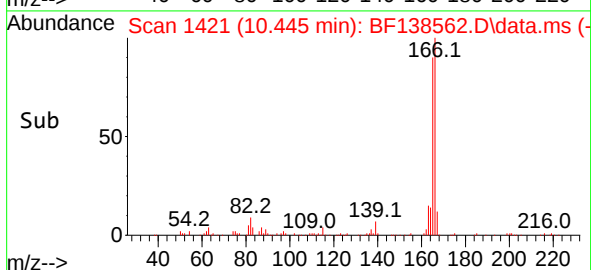
Supervised By :mohammad ahmed 07/19/2024

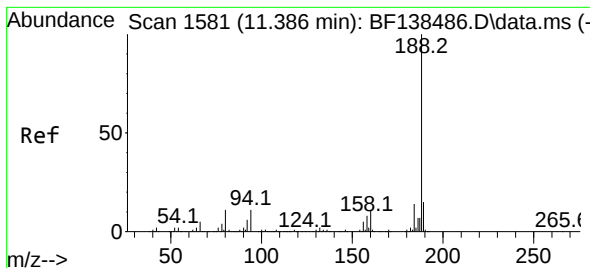


#58
Fluorene
Concen: 2.747 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12



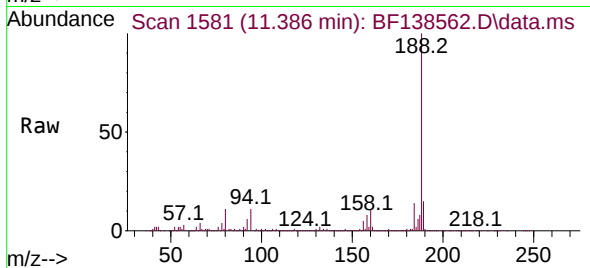
Tgt Ion:166 Resp: 31034
Ion Ratio Lower Upper
166 100
165 92.3 79.1 118.7
167 13.0 11.0 16.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

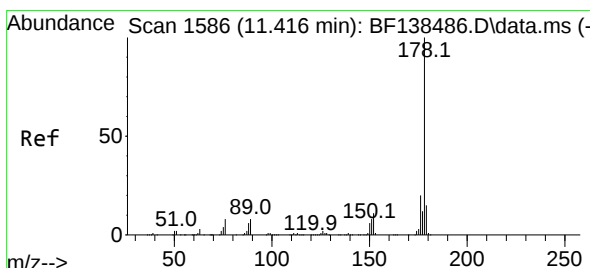
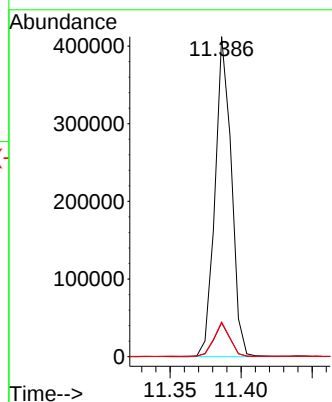
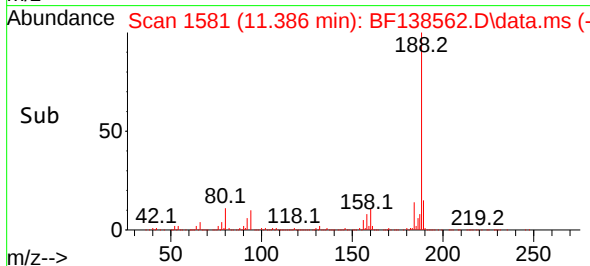
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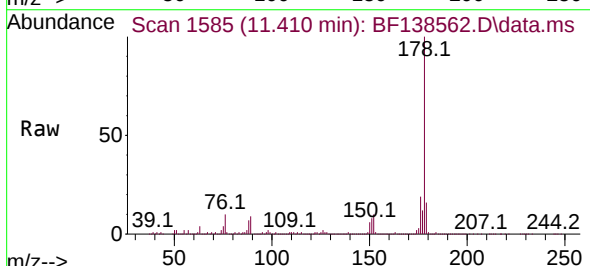
Tgt Ion:188 Resp: 330190
Ion Ratio Lower Upper
188 100
94 10.6 8.7 13.1
80 10.9 9.0 13.4

Manual Integrations
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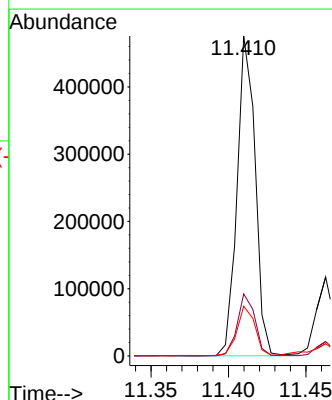
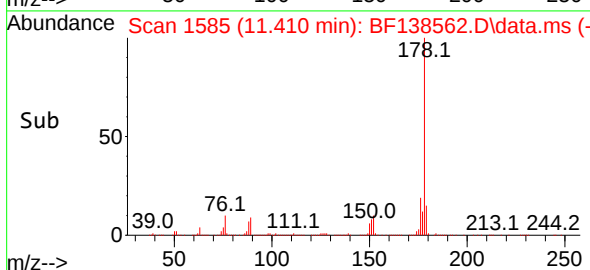
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024

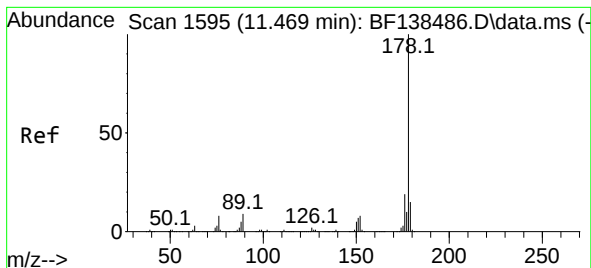


#71
Phenanthrene
Concen: 23.147 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12



Tgt Ion:178 Resp: 386125
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.5 12.2 18.2





#72

Anthracene

Concen: 5.402 ng

RT: 11.463 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF138562.D

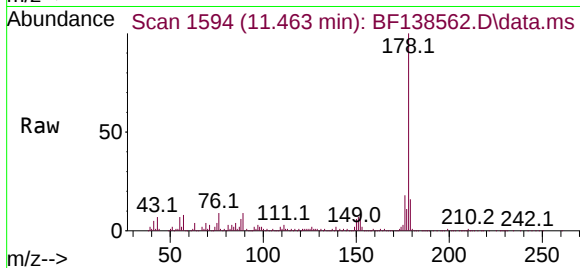
Acq: 12 Jul 2024 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-07112024



Tgt Ion:178 Resp: 8945

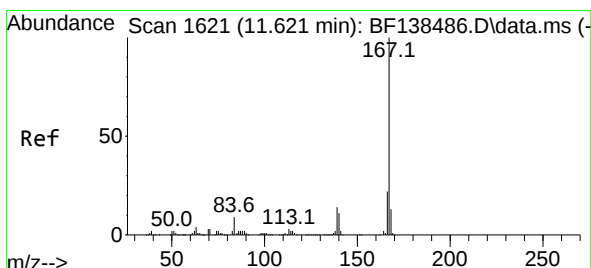
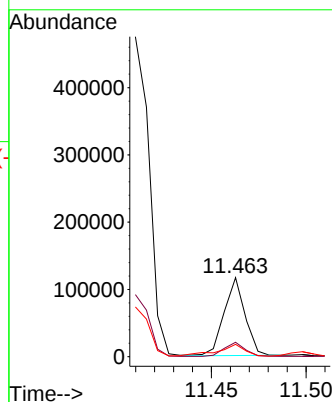
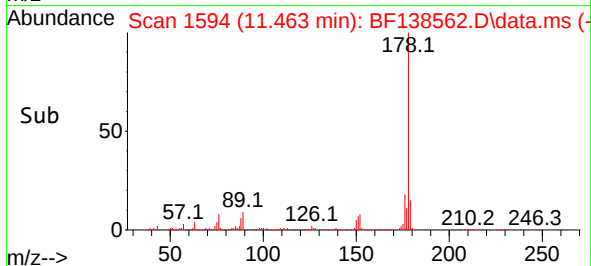
Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.6	12.2	18.4

Manual Integrations

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Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#73

Carbazole

Concen: 2.433 ng

RT: 11.616 min Scan# 1620

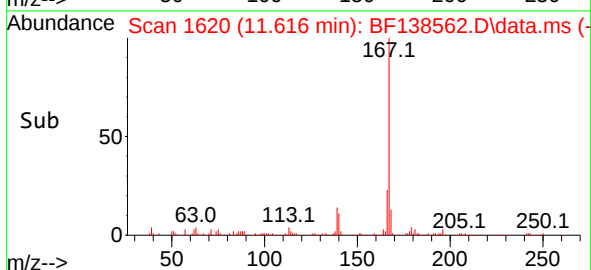
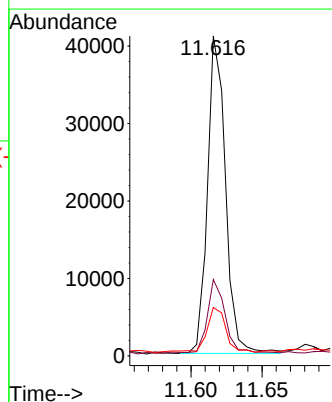
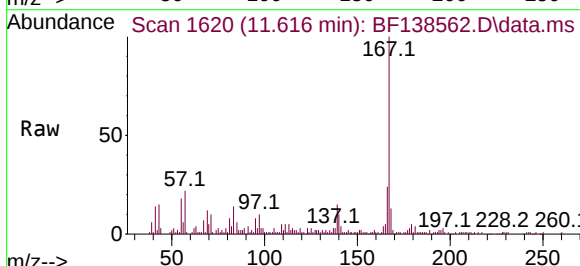
Delta R.T. -0.006 min

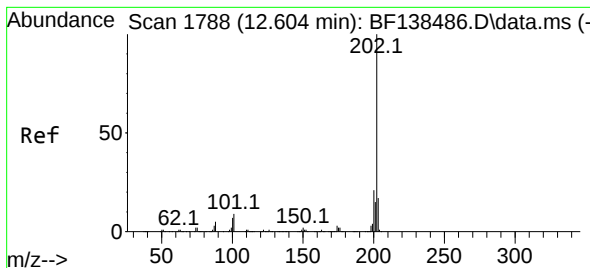
Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Tgt Ion:167 Resp: 36205

Ion	Ratio	Lower	Upper
167	100		
166	23.9	17.8	26.6
139	15.2	11.0	16.4





#75

Fluoranthene

Concen: 27.705 ng

RT: 12.598 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-07112024

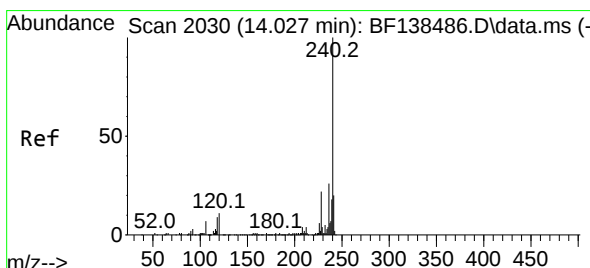
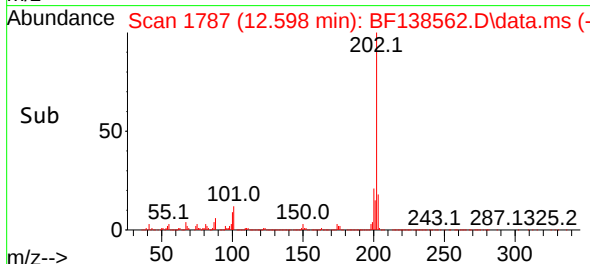
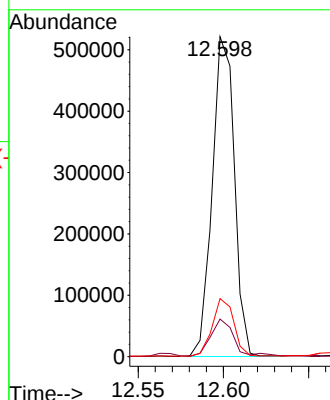
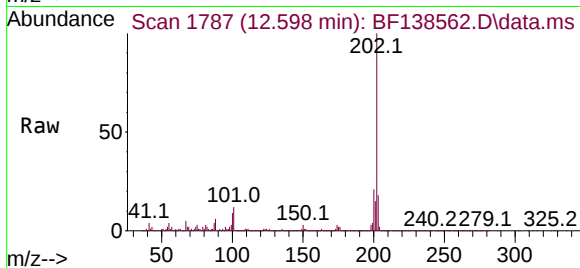
Tgt Ion:202	Resp: 47157
Ion Ratio	Lower Upper
202 100	
101 11.8	0.0 29.2
203 18.1	0.0 37.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#76

Chrysene-d12

Concen: 20.000 ng

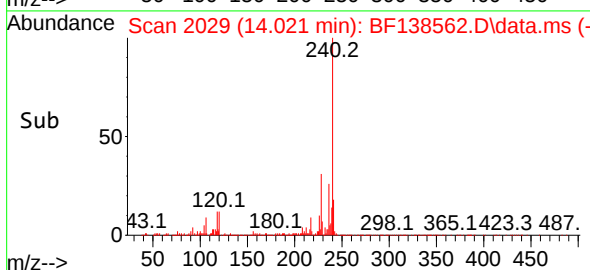
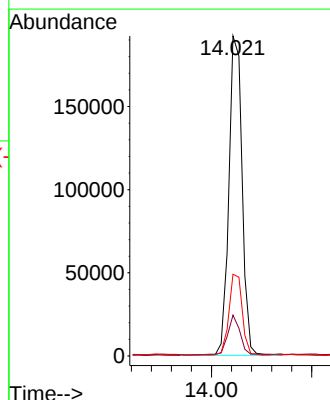
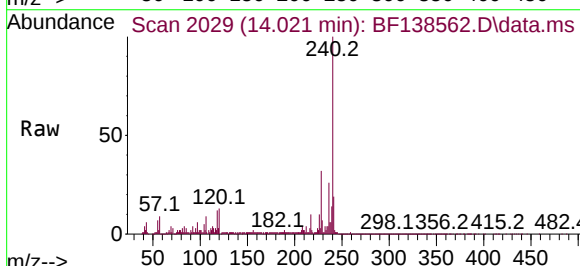
RT: 14.021 min Scan# 2029

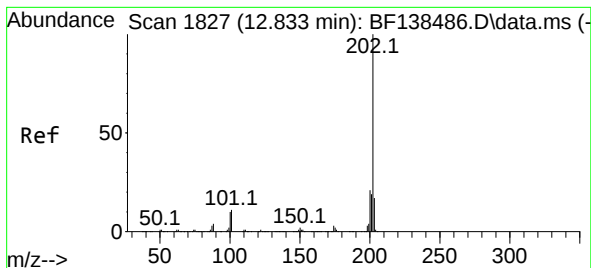
Delta R.T. -0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Tgt Ion:240	Resp: 175686
Ion Ratio	Lower Upper
240 100	
120 12.7	8.6 12.8
236 25.5	21.0 31.6





#78

Pyrene

Concen: 18.783 ng

RT: 12.827 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Instrument :

BNA_F

ClientSampleId :

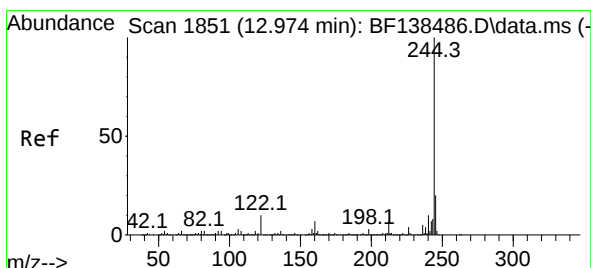
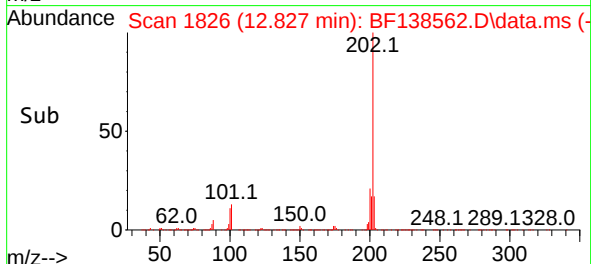
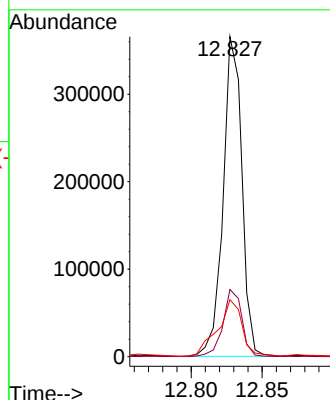
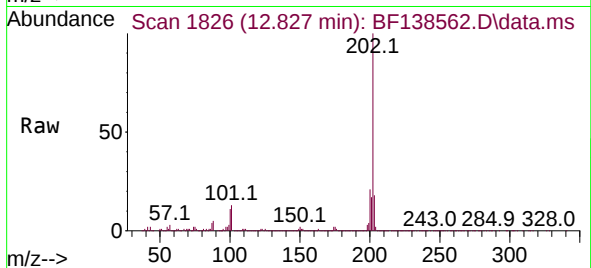
EO-03-07112024

Tgt Ion:202 Resp: 334994
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.0 25.6
 203 17.8 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024
 Supervised By :mohammad ahmed 07/19/2024



#79

Terphenyl-d14

Concen: 6.472 ng

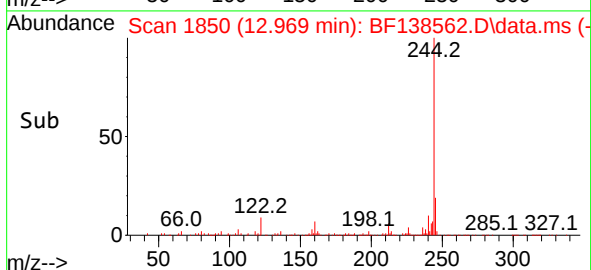
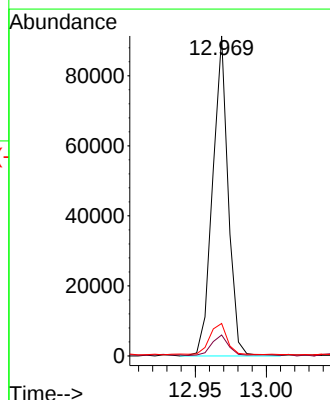
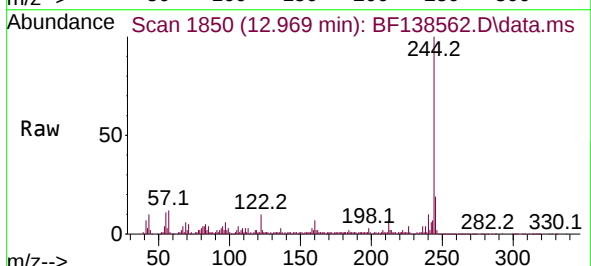
RT: 12.969 min Scan# 1850

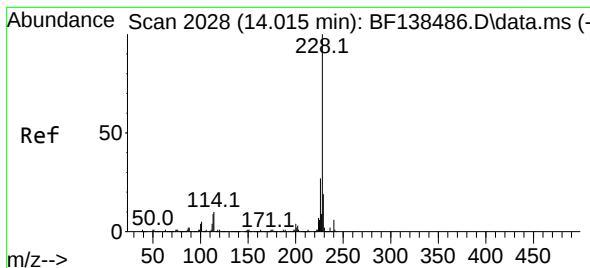
Delta R.T. -0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Tgt Ion:244 Resp: 69795
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.5 8.3
 122 10.1 7.8 11.8





#81

Benzo(a)anthracene

Concen: 11.565 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-07112024

Tgt Ion:228 Resp: 13633

Ion Ratio Lower Upper

228 100

226 28.0 21.9 32.9

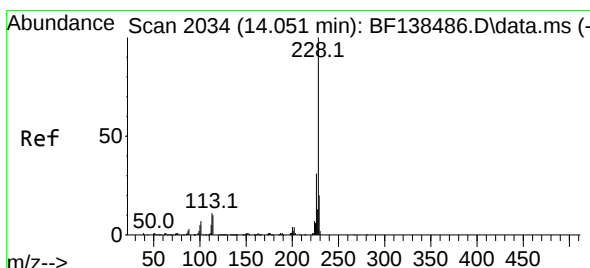
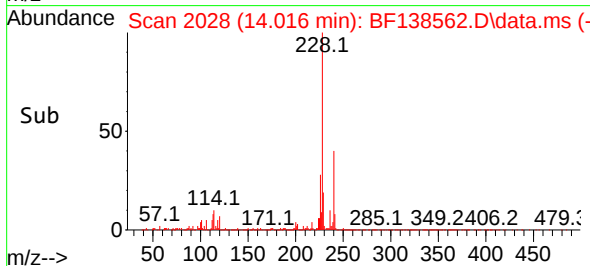
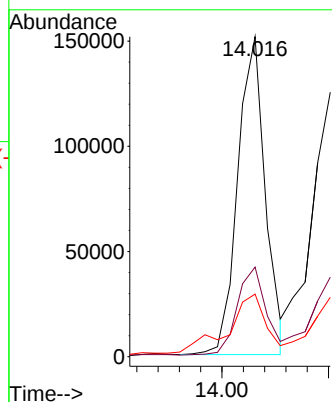
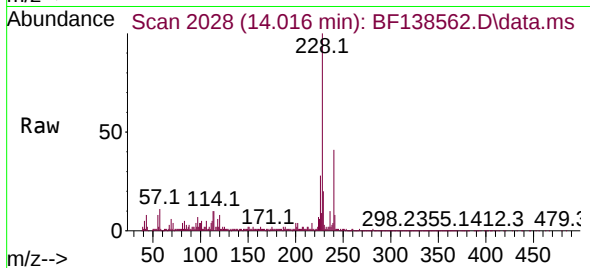
229 19.6 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#83

Chrysene

Concen: 10.668 ng

RT: 14.051 min Scan# 2034

Delta R.T. 0.000 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

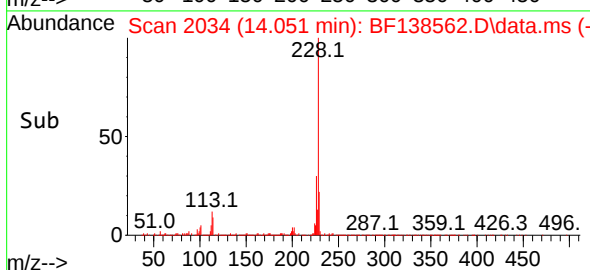
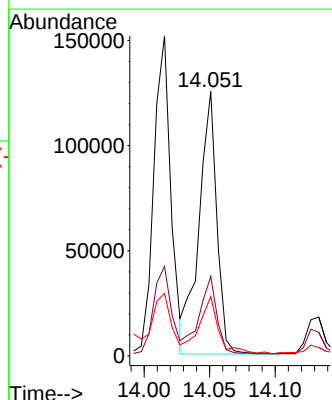
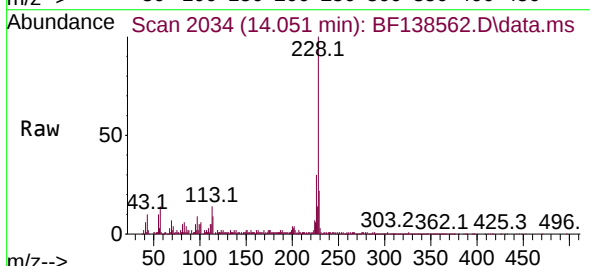
Tgt Ion:228 Resp: 118974

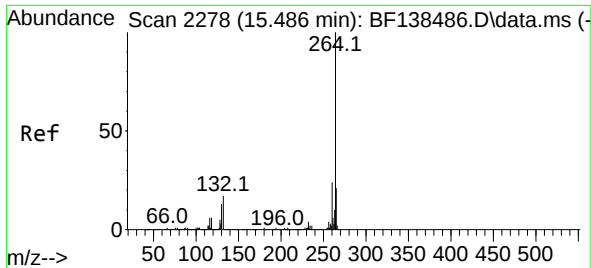
Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

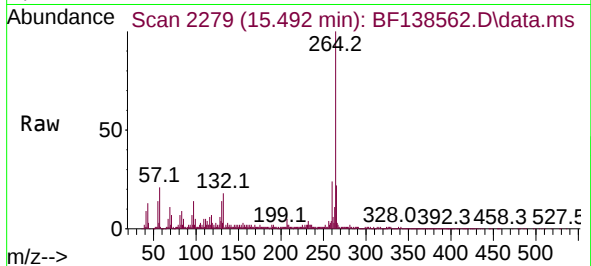
229 22.5 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

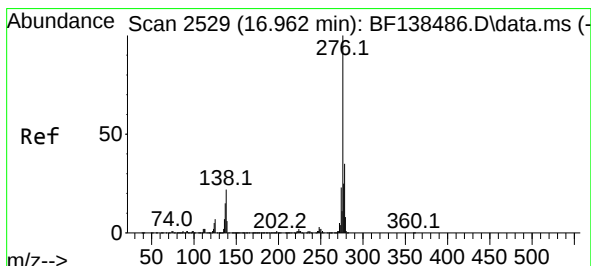
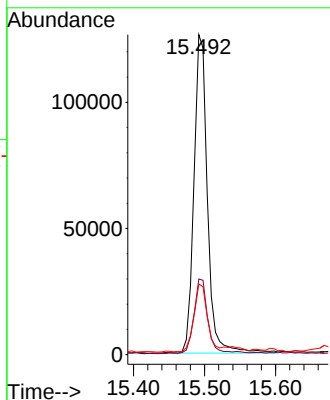
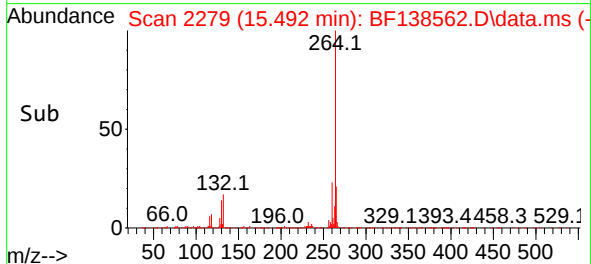
Instrument :
BNA_F
ClientSampleId :
EO-03-07112024



Tgt Ion:264 Resp: 167020
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 22.1 17.0 25.4

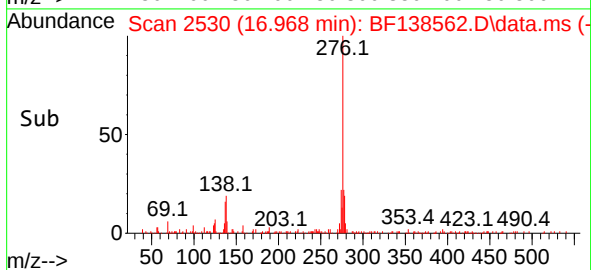
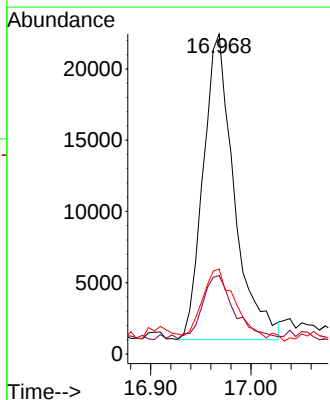
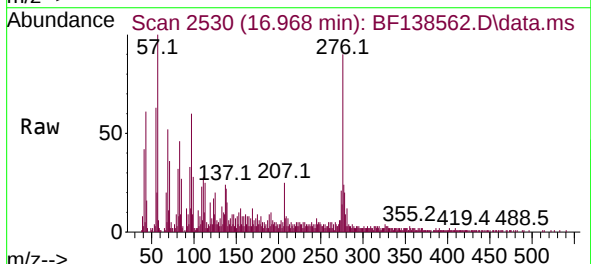
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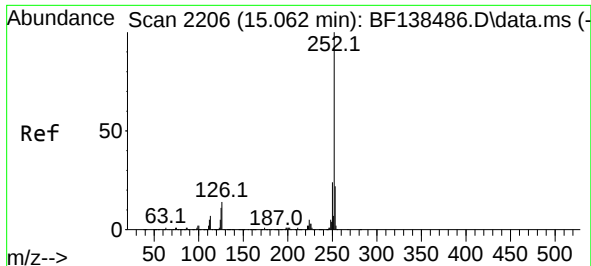
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.100 ng
RT: 16.968 min Scan# 2530
Delta R.T. 0.006 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

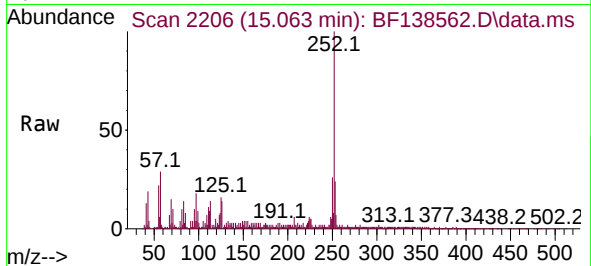
Tgt Ion:276 Resp: 46000
Ion Ratio Lower Upper
276 100
138 21.4 19.6 29.4
277 22.8 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 12.937 ng m
RT: 15.063 min Scan# 211
Delta R.T. 0.000 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

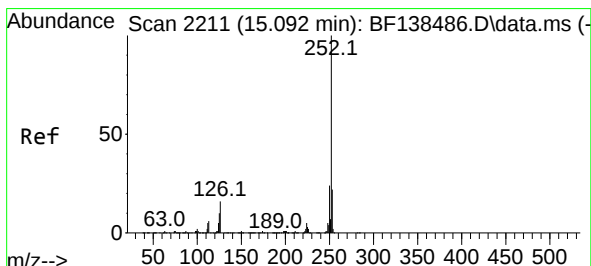
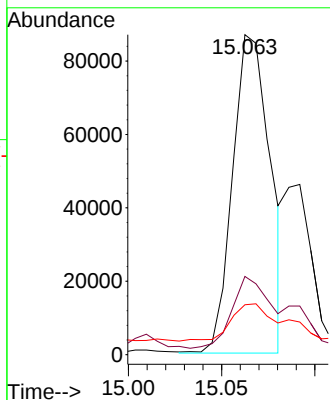
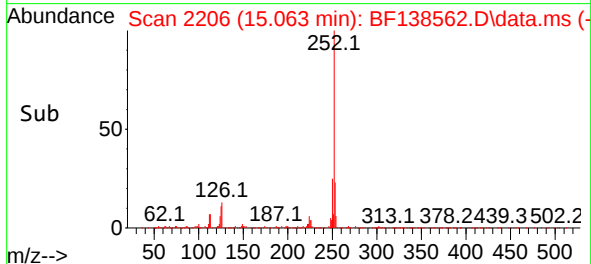
Instrument :
BNA_F
ClientSampleId :
EO-03-07112024



Tgt Ion:252 Resp: 12169
Ion Ratio Lower Upper
252 100
253 24.5 17.3 25.9
125 15.6 8.6 13.0

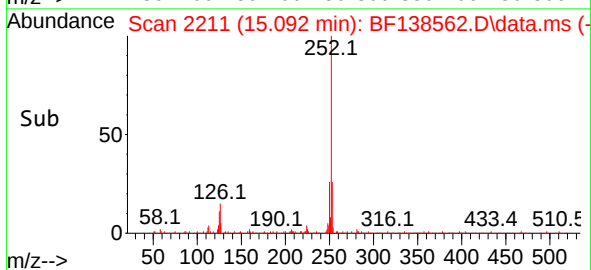
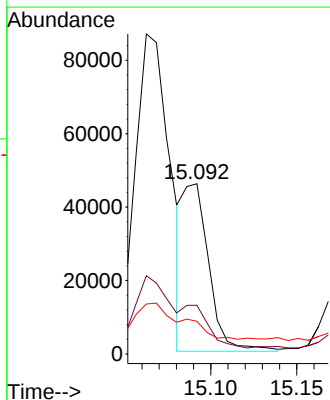
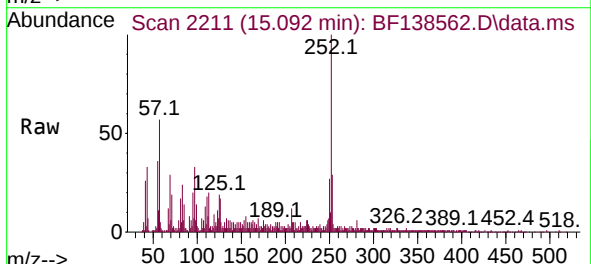
Manual Integrations
APPROVED

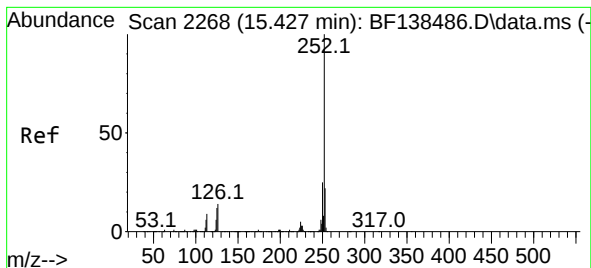
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#89
Benzo(k)fluoranthene
Concen: 5.181 ng m
RT: 15.092 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF138562.D
Acq: 12 Jul 2024 23:12

Tgt Ion:252 Resp: 47526
Ion Ratio Lower Upper
252 100
253 28.6 17.7 26.5#
125 19.2 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 10.636 ng

RT: 15.433 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-07112024

Tgt Ion:252 Resp: 87880

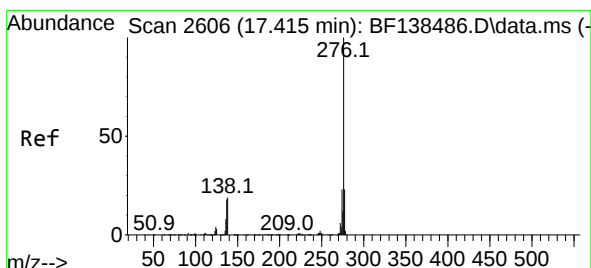
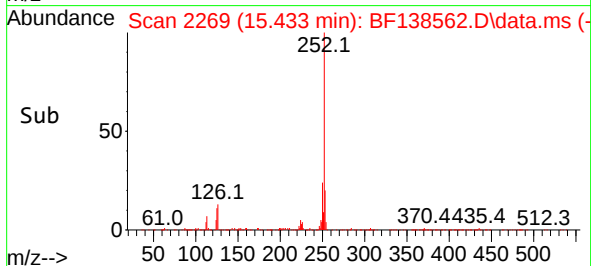
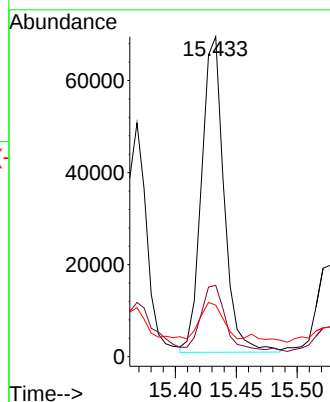
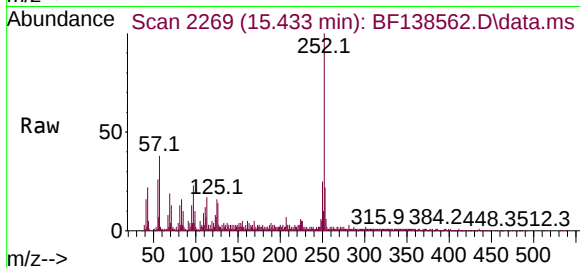
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	16.1	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#92

Benzo(g,h,i)perylene

Concen: 4.303 ng

RT: 17.409 min Scan# 2605

Delta R.T. -0.006 min

Lab File: BF138562.D

Acq: 12 Jul 2024 23:12

Tgt Ion:276 Resp: 41876

Ion	Ratio	Lower	Upper
276	100		
277	29.1	18.0	27.0#
138	27.0	15.5	23.3#

