

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070324\
 Data File : BF138457.D
 Acq On : 03 Jul 2024 20:36
 Operator : CG\JU
 Sample : P3148-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-070224

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024

Quant Time: Jul 04 01:00:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	103077	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	331704	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	141228	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	255539	20.000	ng	0.00
76) Chrysene-d12	14.027	240	161511	20.000	ng	0.00
86) Perylene-d12	15.498	264	131186	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	88712	14.269	ng	0.00
7) Phenol-d6	6.504	99	110373	13.179	ng	-0.01
23) Nitrobenzene-d5	7.428	82	62257	9.750	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	16579	14.368	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	92137	10.383	ng	-0.01
79) Terphenyl-d14	12.974	244	107074	9.085	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	115745	9.277	ng	98
72) Anthracene	11.468	178	27988	2.249	ng	99
75) Fluoranthene	12.604	202	188620	16.863	ng	99
78) Pyrene	12.833	202	180112	10.434	ng	99
81) Benzo(a)anthracene	14.021	228	63660	6.124	ng	93
83) Chrysene	14.057	228	58009	5.735	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	25478	3.865	ng	96
88) Benzo(b)fluoranthene	15.068	252	52707m	7.323	ng	
89) Benzo(k)fluoranthene	15.092	252	19191m	2.895	ng	
90) Benzo(a)pyrene	15.433	252	39791	6.307	ng	# 90
92) Benzo(g,h,i)perylene	17.415	276	25588	4.916	ng	95

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

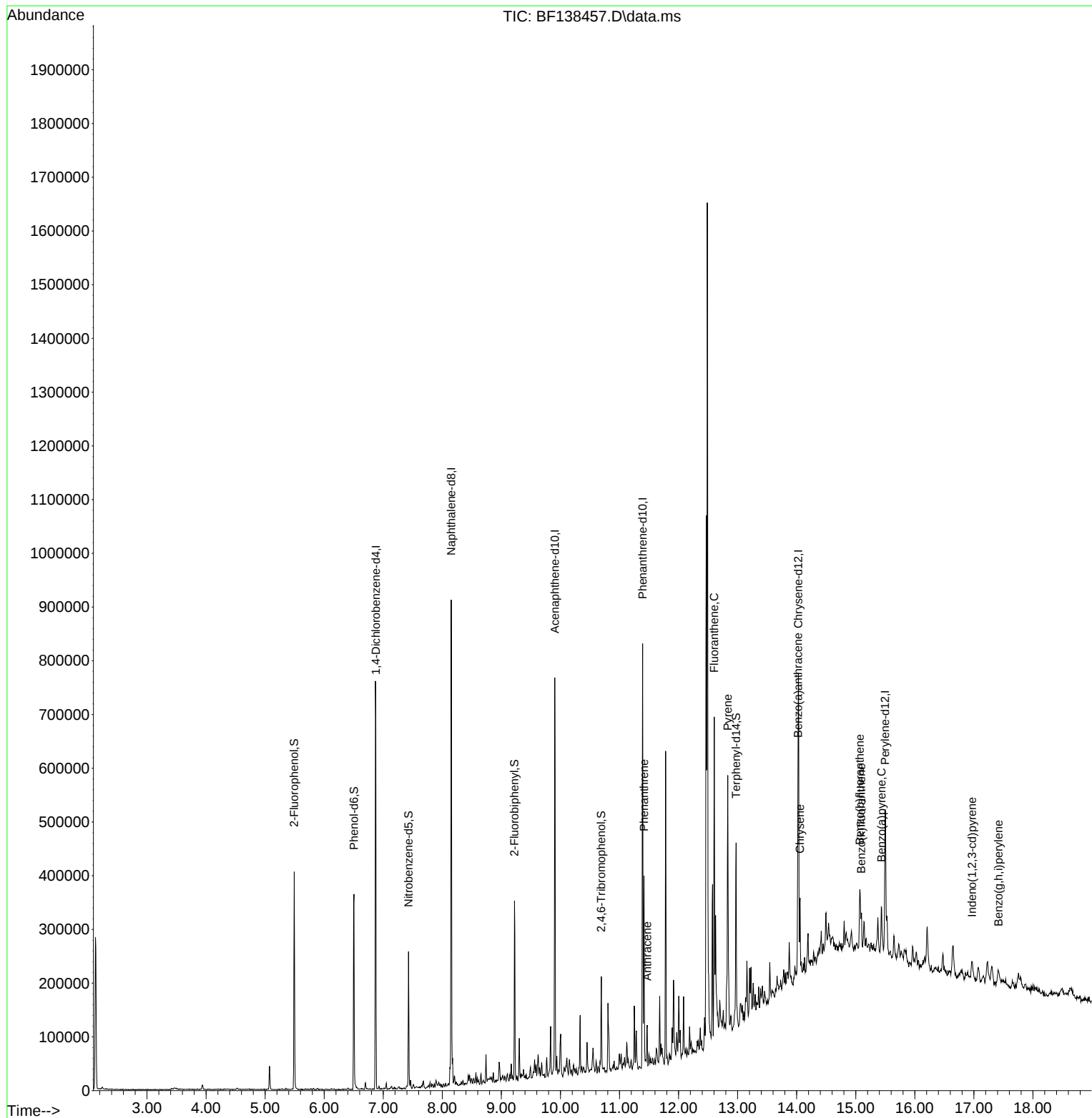
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070324\
Data File : BF138457.D
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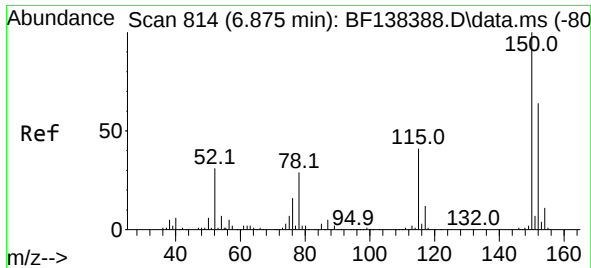
Instrument :
BNA_F
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EO-02-070224

Quant Time: Jul 04 01:00:49 2024
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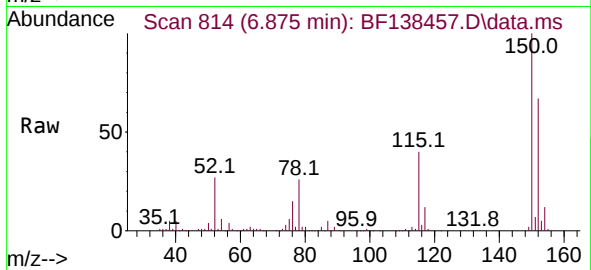
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

EO-02-070224



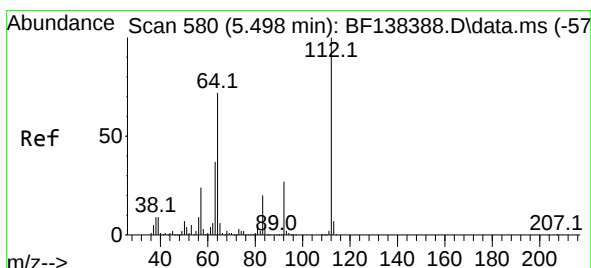
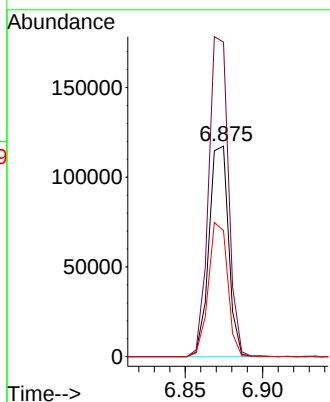
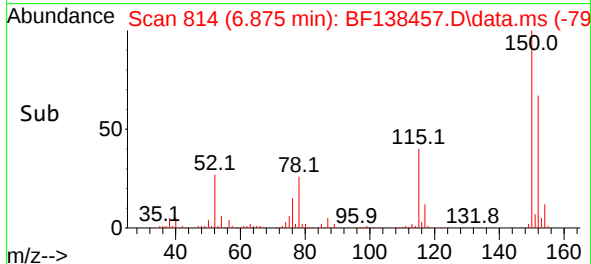
Tgt Ion:152 Resp: 103072
Ion Ratio Lower Upper
152 100
150 149.4 124.9 187.3
115 59.9 50.8 76.2

Manual Integrations

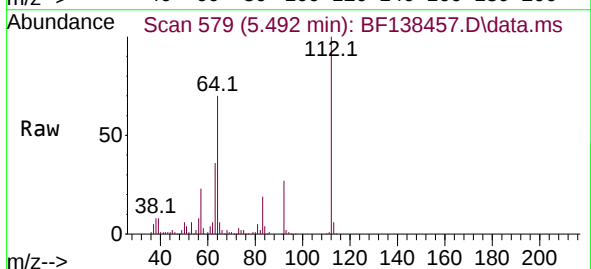
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Reviewed By :Yogesh Patel 07/05/2024

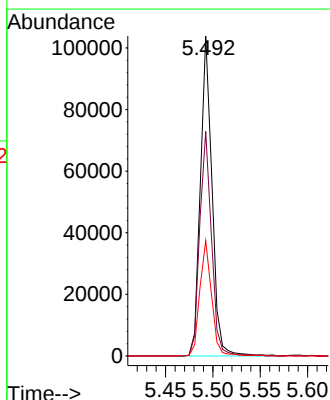
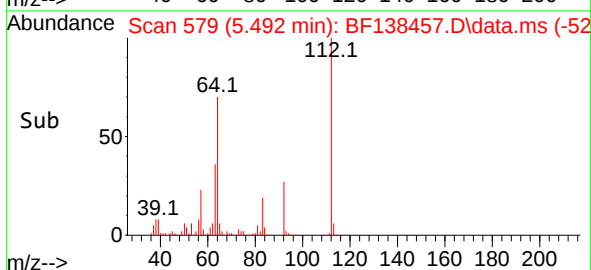
Supervised By :mohammad ahmed 07/05/2024

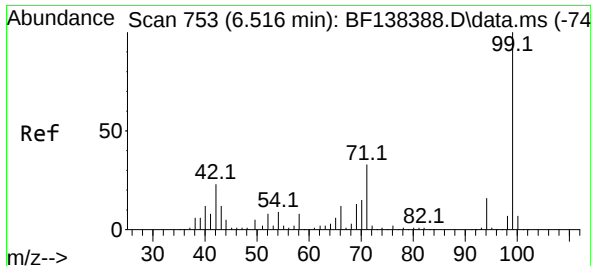


#5
2-Fluorophenol
Concen: 14.269 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.006 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36



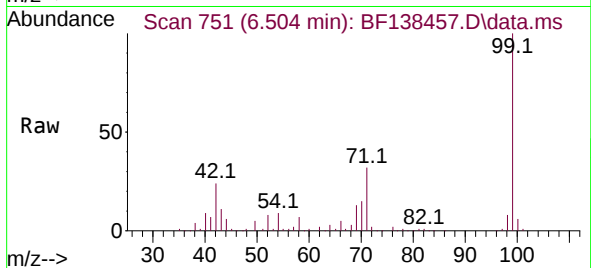
Tgt Ion:112 Resp: 88712
Ion Ratio Lower Upper
112 100
64 70.1 57.2 85.8
63 36.0 29.4 44.0





#7
Phenol-d6
Concen: 13.179 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

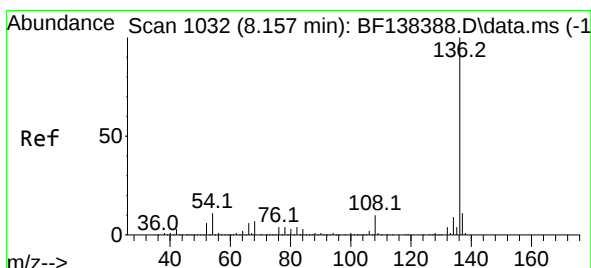
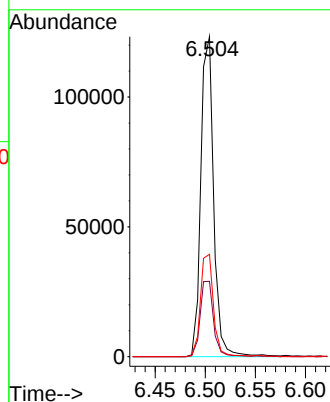
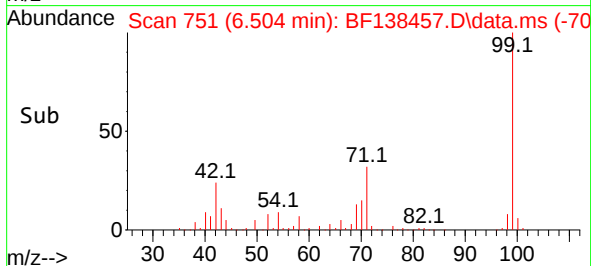
Instrument :
BNA_F
ClientSampleId :
EO-02-070224



Tgt Ion: 99 Resp: 11037
Ion Ratio Lower Upper
99 100
42 23.6 18.5 27.7
71 32.0 26.1 39.1

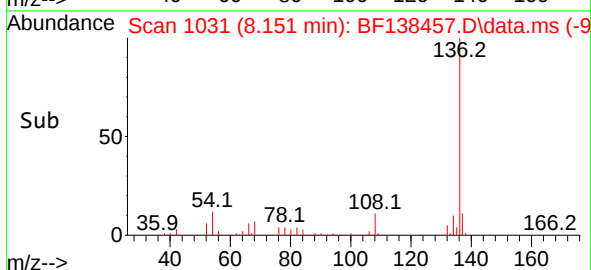
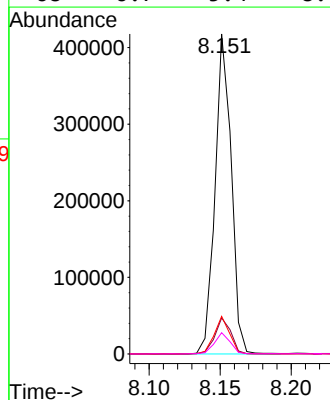
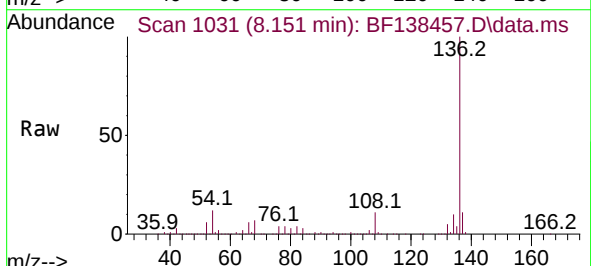
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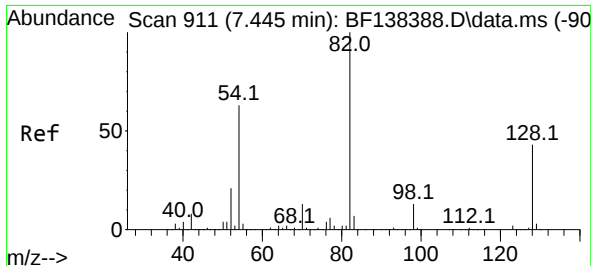
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Tgt Ion:136 Resp: 331704
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 11.7 9.0 13.4
68 6.7 5.4 8.0





#23

Nitrobenzene-d5

Concen: 9.750 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.018 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

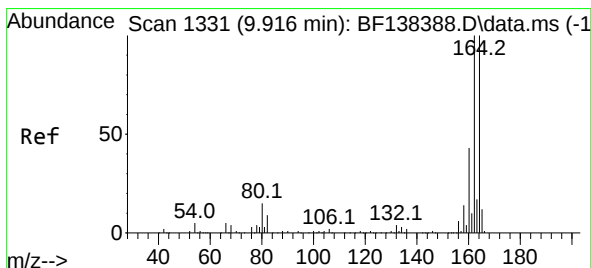
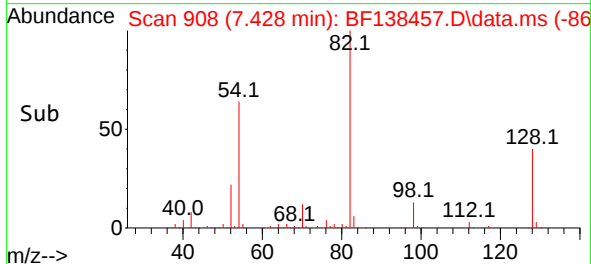
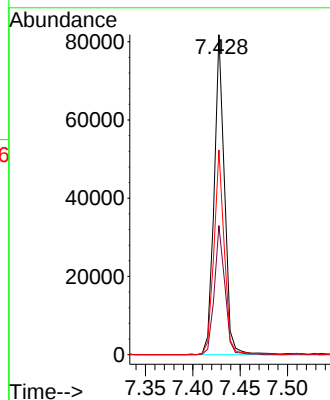
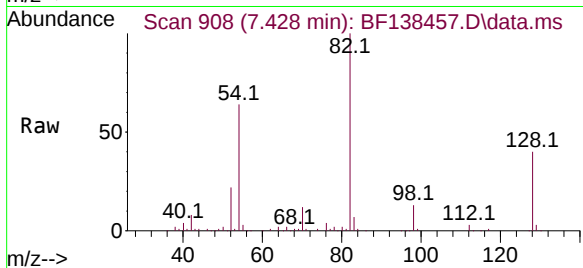
ClientSampleId :

EO-02-070224

Tgt Ion: 82 Resp: 6225
 Ion Ratio Lower Upper
 82 100
 128 40.4 34.6 52.0
 54 64.0 50.5 75.7

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 Supervised By :mohammad ahmed 07/05/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

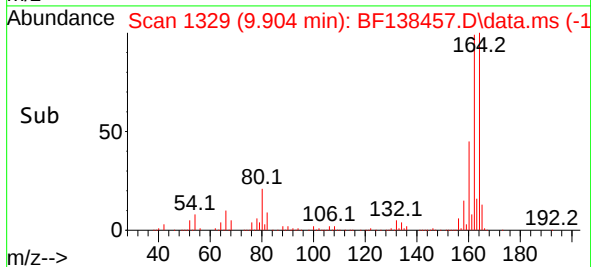
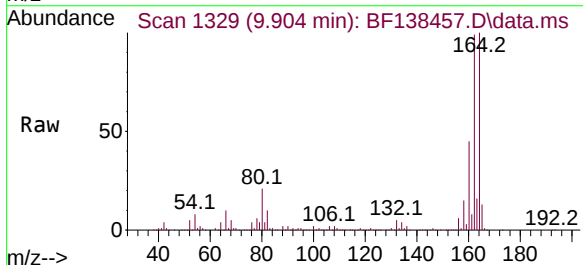
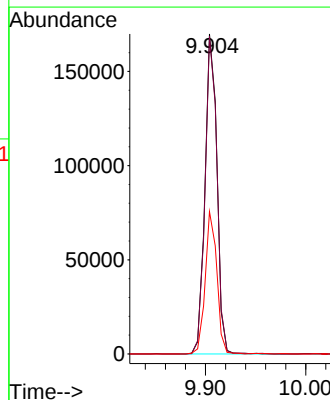
RT: 9.904 min Scan# 1329

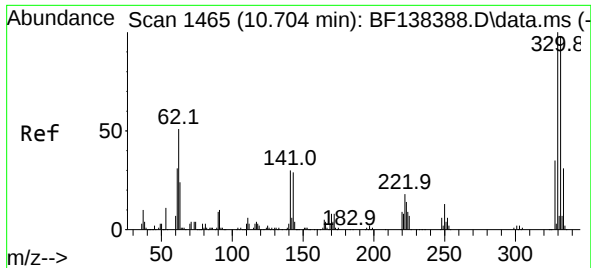
Delta R.T. -0.012 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

Tgt Ion:164 Resp: 141228
 Ion Ratio Lower Upper
 164 100
 162 99.2 80.1 120.1
 160 44.5 34.1 51.1





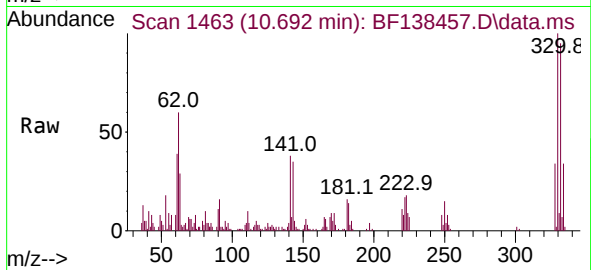
#42
2,4,6-Tribromophenol
Concen: 14.368 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

EO-02-070224



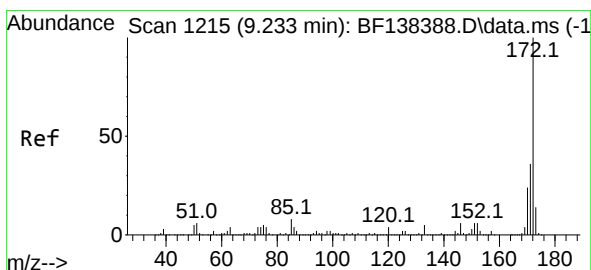
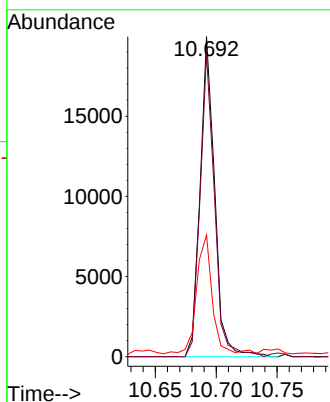
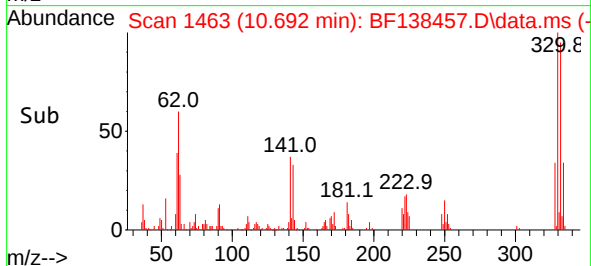
Tgt Ion: 330 Resp: 16579
Ion Ratio Lower Upper
330 100
332 93.4 77.0 115.6
141 40.2 28.1 42.1

Manual Integrations

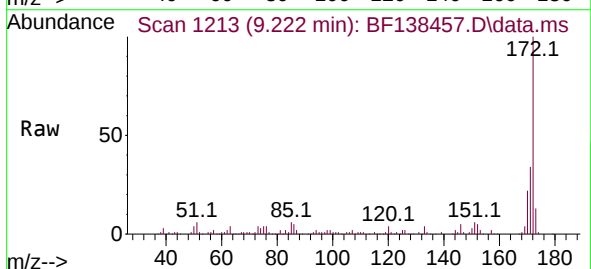
APPROVED

Reviewed By : Yogesh Patel 07/05/2024

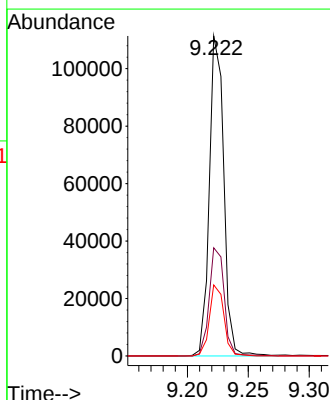
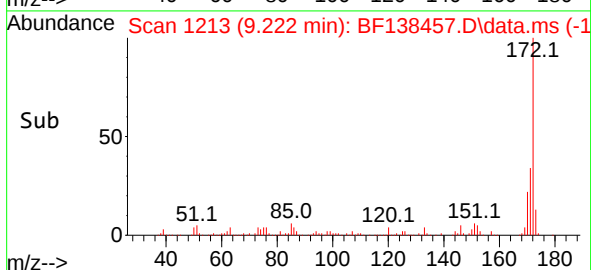
Supervised By : mohammad ahmed 07/05/2024

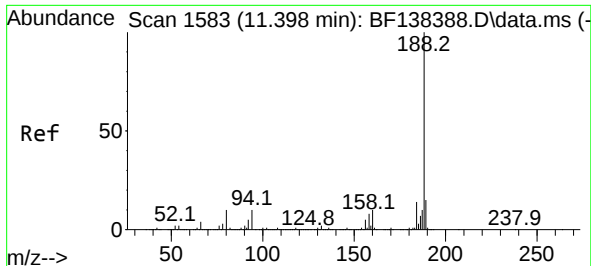


#45
2-Fluorobiphenyl
Concen: 10.383 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.011 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36



Tgt Ion: 172 Resp: 92137
Ion Ratio Lower Upper
172 100
171 33.8 29.0 43.4
170 22.2 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

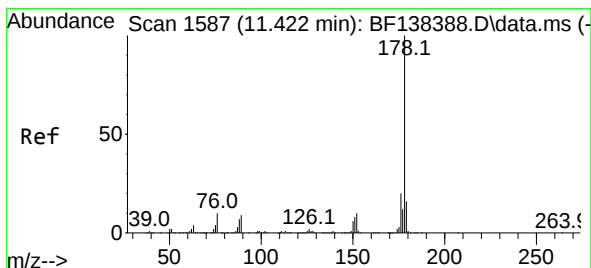
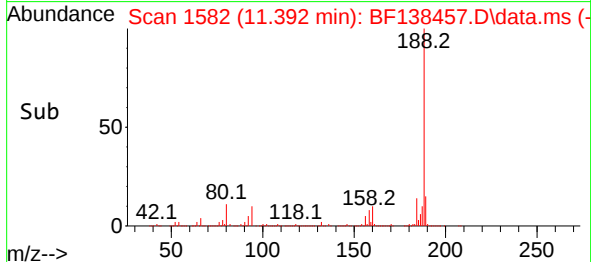
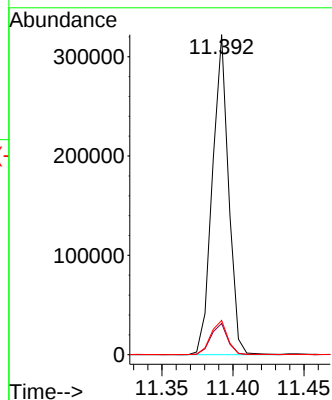
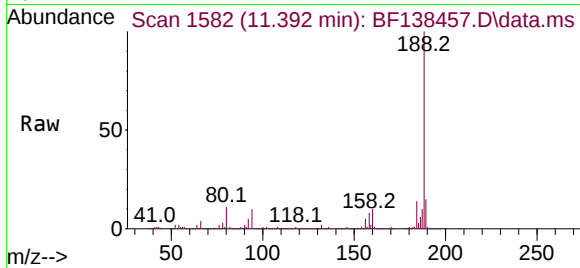
EO-02-070224

Tgt Ion:188 Resp: 255539
Ion Ratio Lower Upper
188 100
94 9.8 8.0 12.0
80 10.7 8.2 12.4

Manual Integrations

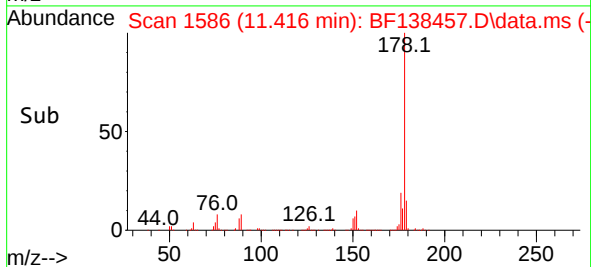
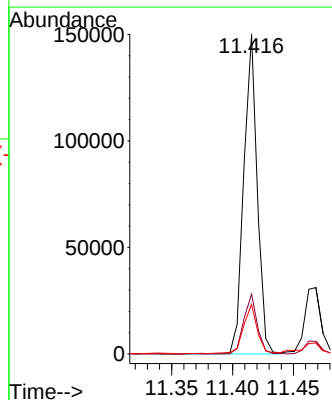
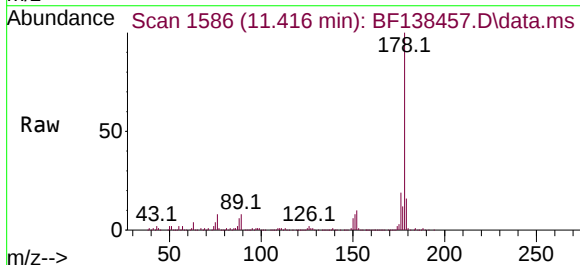
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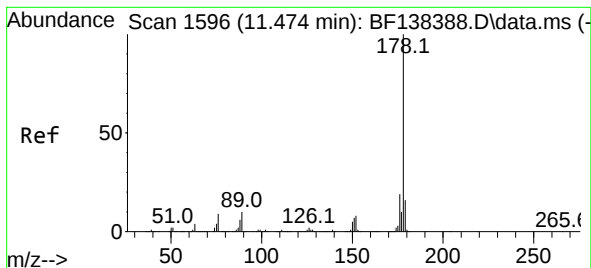
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#71
Phenanthrene
Concen: 9.277 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

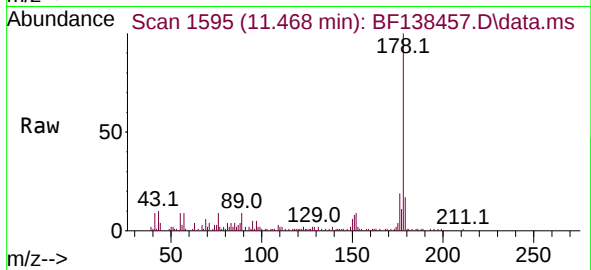
Tgt Ion:178 Resp: 115745
Ion Ratio Lower Upper
178 100
176 18.7 16.1 24.1
179 15.5 12.6 18.8





#72
 Anthracene
 Concen: 2.249 ng
 RT: 11.468 min Scan# 11468
 Delta R.T. -0.006 min
 Lab File: BF138457.D
 Acq: 03 Jul 2024 20:36

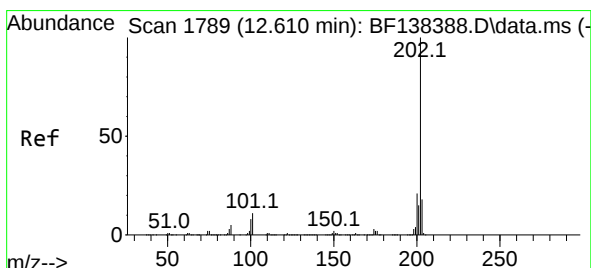
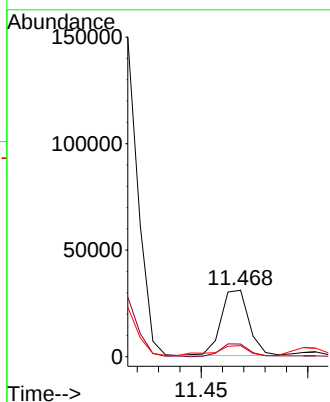
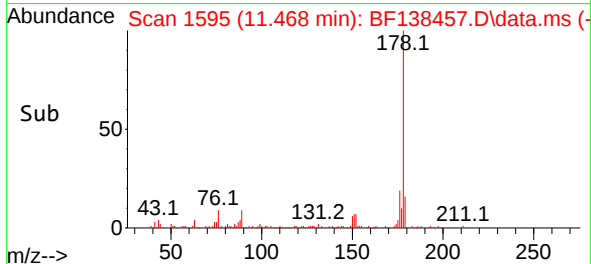
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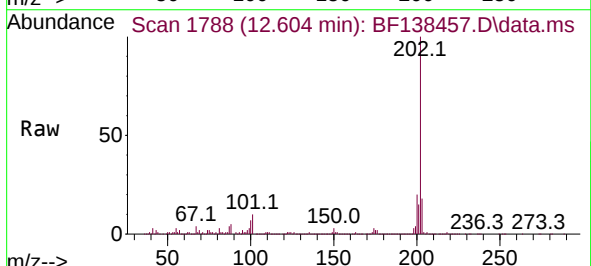
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 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.6
 179 16.6 12.7 19.1

Manual Integrations
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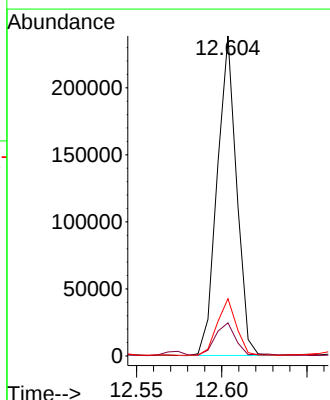
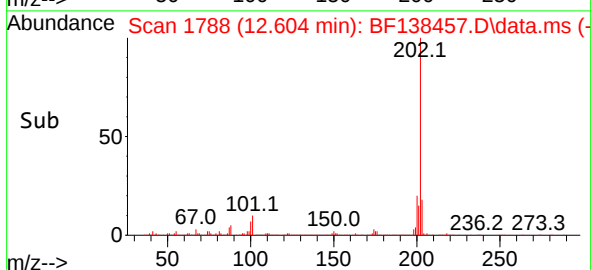
Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024

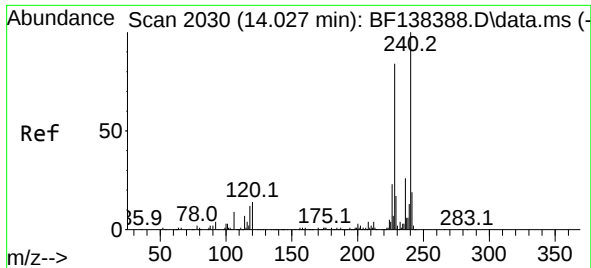


#75
 Fluoranthene
 Concen: 16.863 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF138457.D
 Acq: 03 Jul 2024 20:36



Tgt Ion:202 Resp: 188620
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 30.5
 203 17.9 0.0 37.6





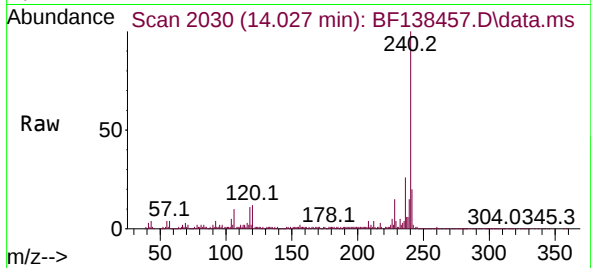
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

EO-02-070224



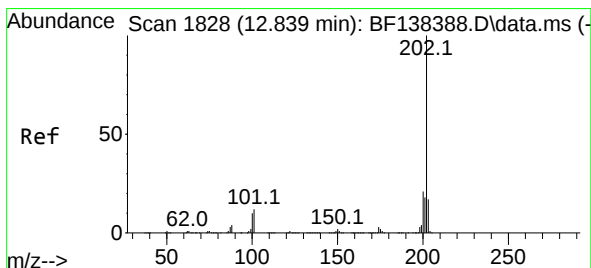
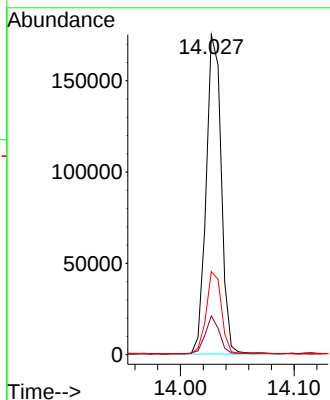
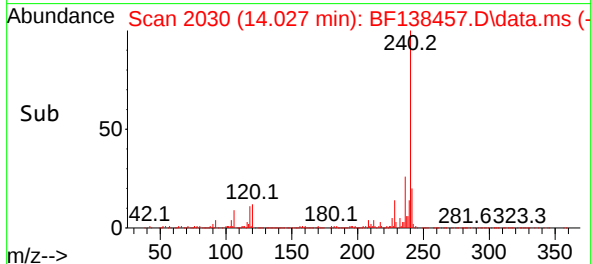
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Ion Ratio Lower Upper
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120 12.1 10.9 16.3
236 26.0 20.6 30.8

Manual Integrations

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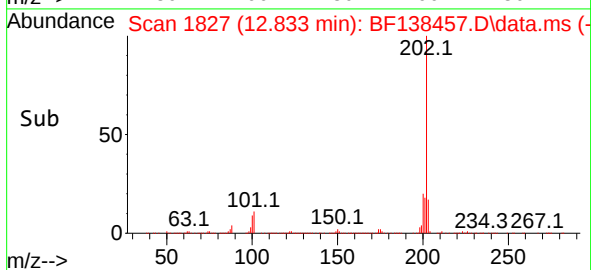
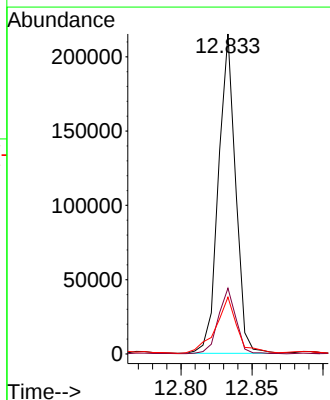
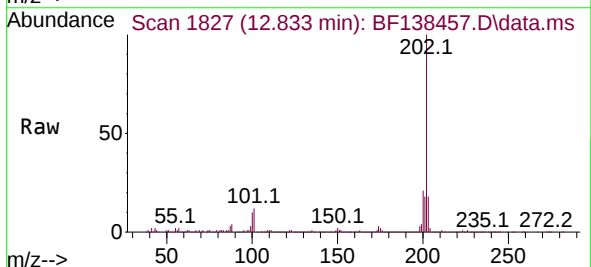
Reviewed By :Yogesh Patel 07/05/2024

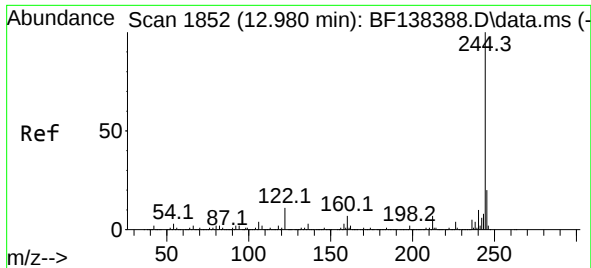
Supervised By :mohammad ahmed 07/05/2024



#78
Pyrene
Concen: 10.434 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Tgt Ion:202 Resp: 180112
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 17.8 13.8 20.8





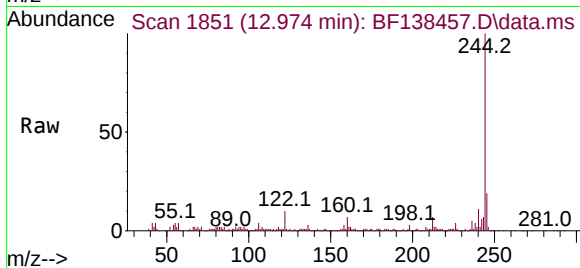
#79
 Terphenyl-d14
 Concen: 9.085 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF138457.D
 Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

EO-02-070224



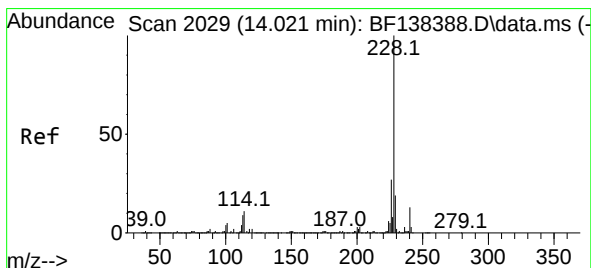
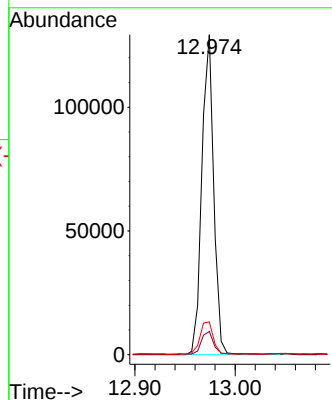
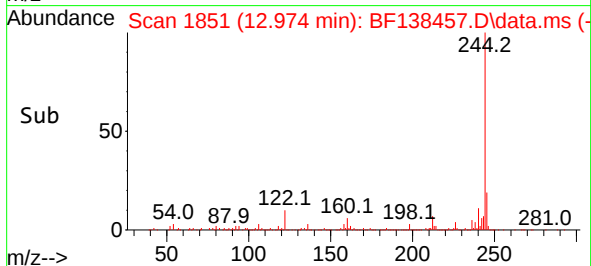
Tgt Ion:244 Resp: 107074
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.6 8.4
 122 10.2 9.0 13.4

Manual Integrations

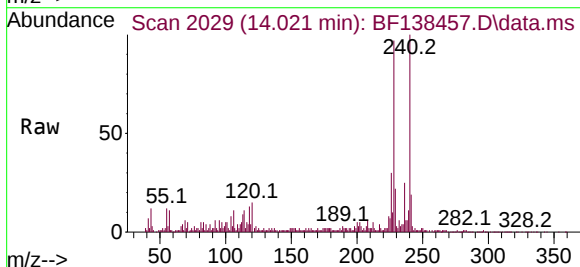
APPROVED

Reviewed By :Yogesh Patel 07/05/2024

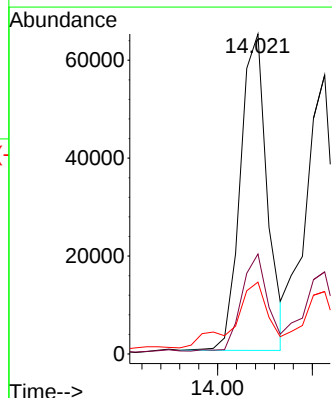
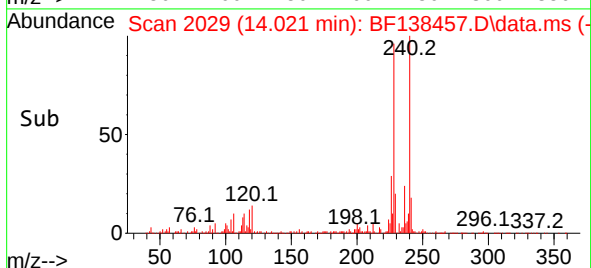
Supervised By :mohammad ahmed 07/05/2024

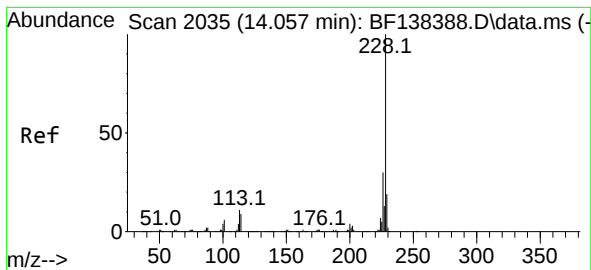


#81
 Benzo(a)anthracene
 Concen: 6.124 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: BF138457.D
 Acq: 03 Jul 2024 20:36



Tgt Ion:228 Resp: 63660
 Ion Ratio Lower Upper
 228 100
 226 31.2 21.7 32.5
 229 22.4 15.5 23.3





#83

Chrysene

Concen: 5.735 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.000 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

EO-02-070224

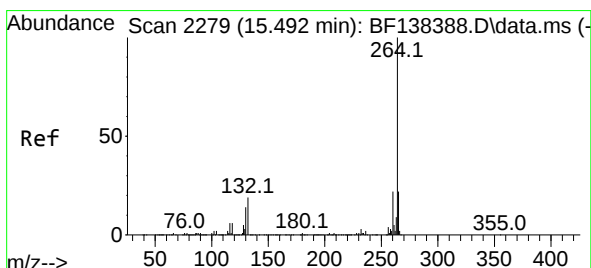
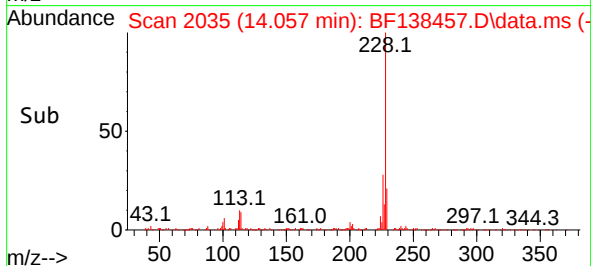
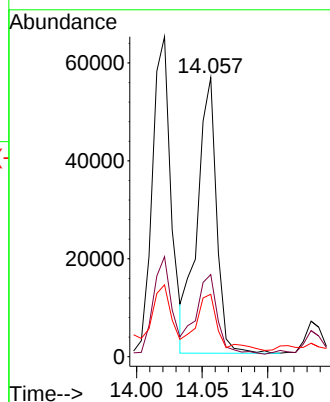
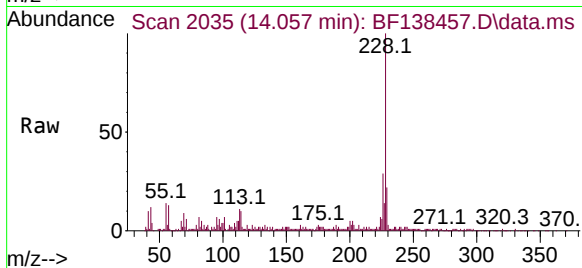
Tgt Ion:	228	Resp:	58009
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.8	35.6
229	22.4	15.2	22.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#86

Perylene-d12

Concen: 20.000 ng

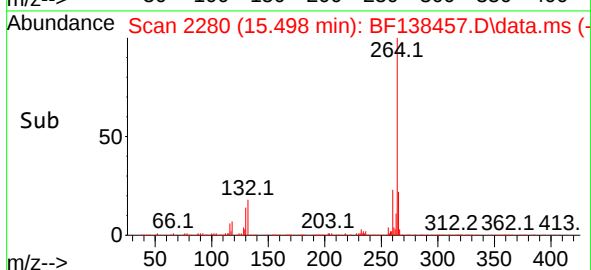
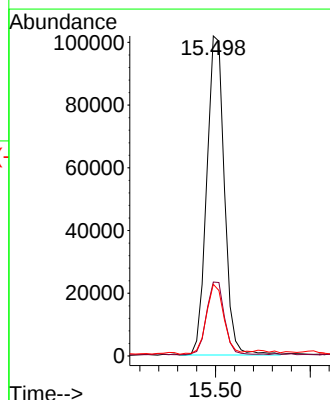
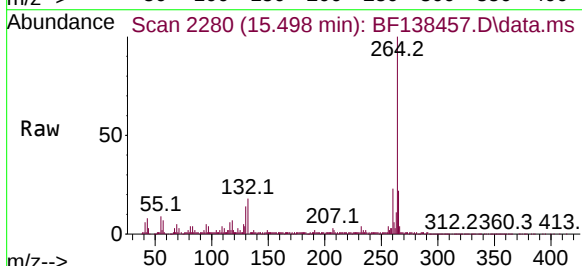
RT: 15.498 min Scan# 2280

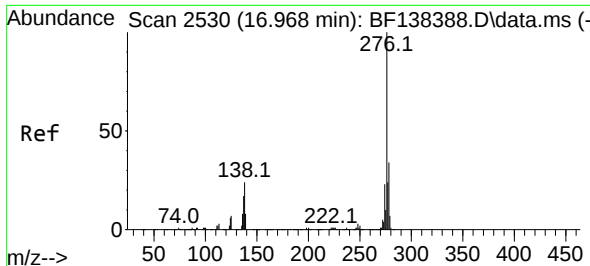
Delta R.T. 0.006 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

Tgt Ion:	264	Resp:	131186
Ion Ratio	Lower	Upper	
264	100		
260	23.1	17.8	26.6
265	22.4	17.5	26.3





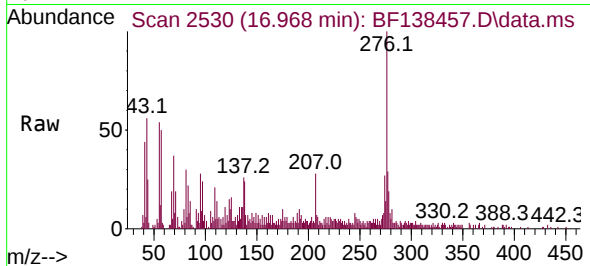
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.865 ng
RT: 16.968 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

EO-02-070224



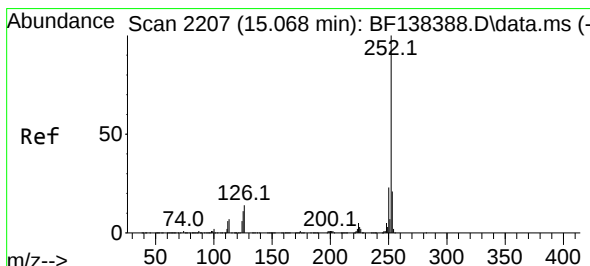
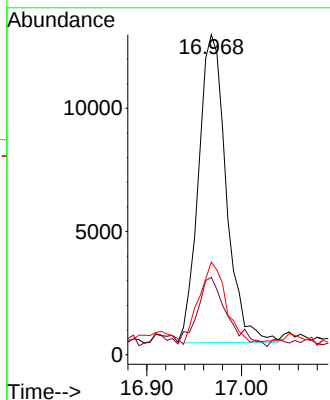
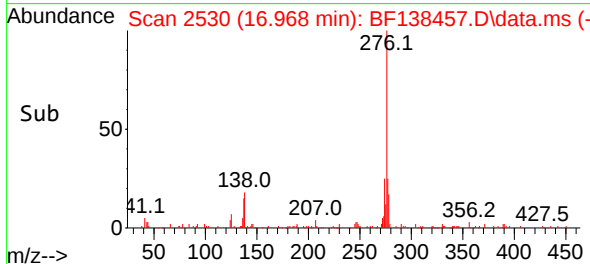
Tgt Ion:276 Resp: 25478
Ion Ratio Lower Upper
276 100
138 24.2 22.1 33.1
277 26.4 20.4 30.6

Manual Integrations

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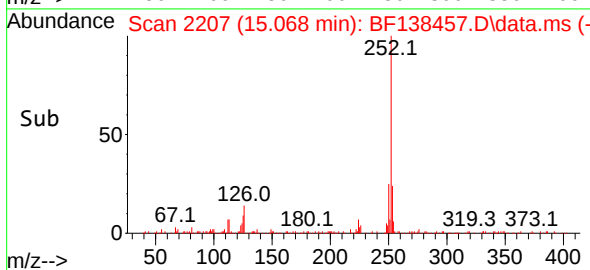
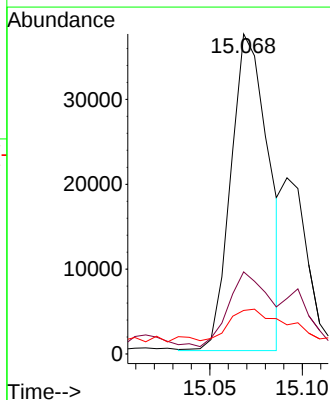
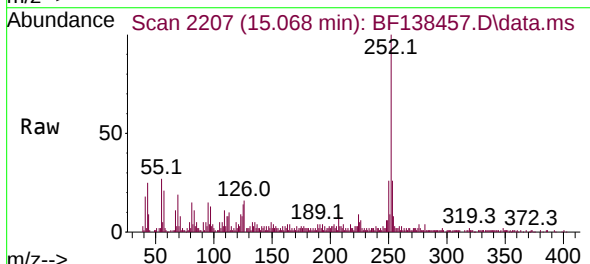
Reviewed By :Yogesh Patel 07/05/2024

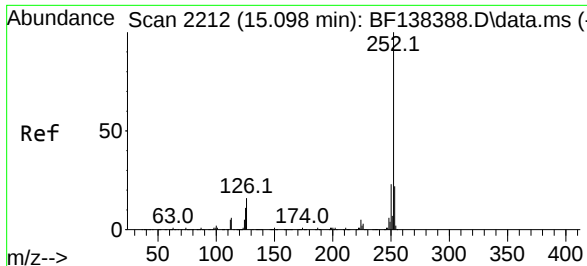
Supervised By :mohammad ahmed 07/05/2024



#88
Benzo(b)fluoranthene
Concen: 7.323 ng m
RT: 15.068 min Scan# 2207
Delta R.T. -0.000 min
Lab File: BF138457.D
Acq: 03 Jul 2024 20:36

Tgt Ion:252 Resp: 52707
Ion Ratio Lower Upper
252 100
253 25.6 17.0 25.4#
125 13.6 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 2.895 ng m

RT: 15.092 min Scan# 2211

Delta R.T. -0.006 min

Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

EO-02-070224

Tgt Ion:252 Resp: 1919

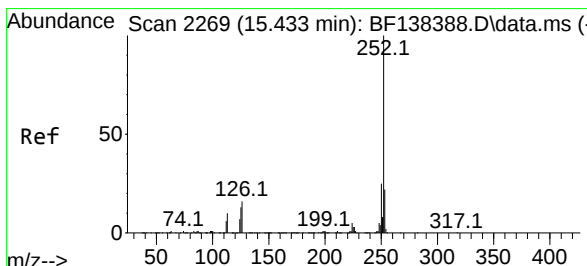
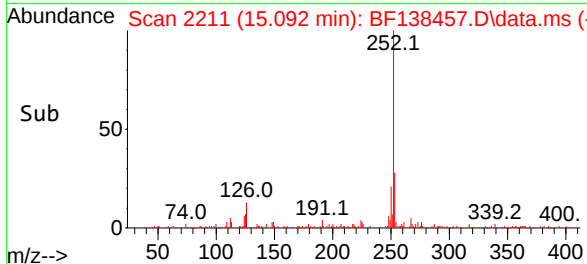
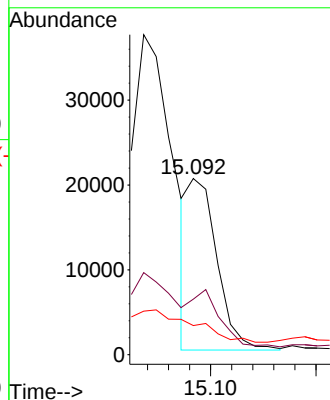
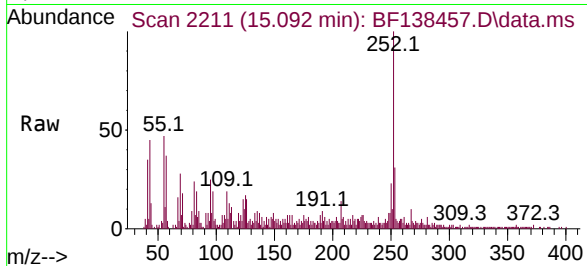
Ion	Ratio	Lower	Upper
252	100		
253	31.5	17.4	26.2
125	16.5	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#90

Benzo(a)pyrene

Concen: 6.307 ng

RT: 15.433 min Scan# 2269

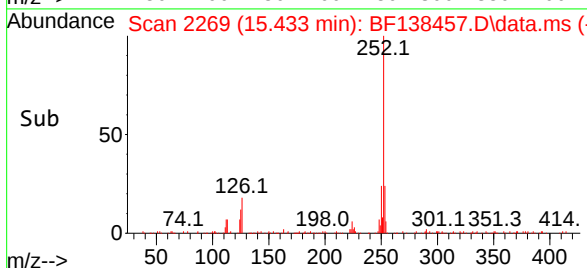
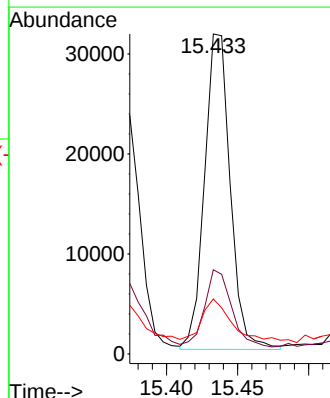
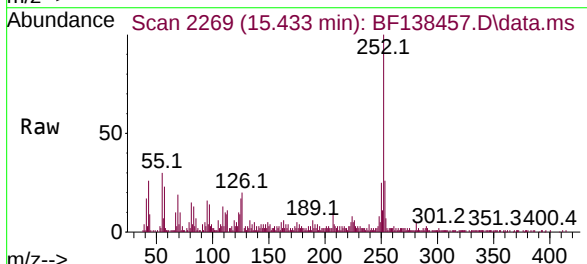
Delta R.T. -0.000 min

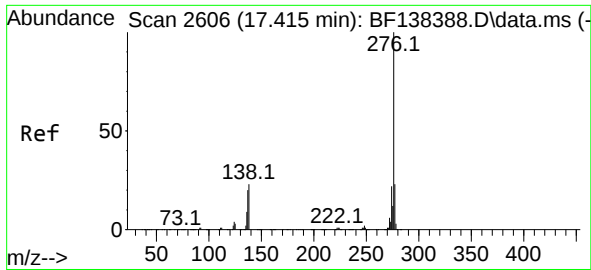
Lab File: BF138457.D

Acq: 03 Jul 2024 20:36

Tgt Ion:252 Resp: 39791

Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.6	26.4
125	17.2	10.2	15.2





#92

Benzo(g,h,i)perylene

Concen: 4.916 ng

RT: 17.415 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF138457.D

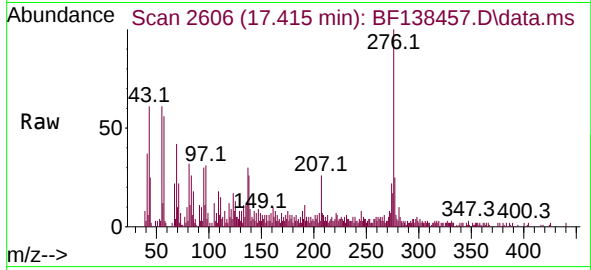
Acq: 03 Jul 2024 20:36

Instrument :

BNA_F

ClientSampleId :

EO-02-070224



Tgt Ion:276 Resp: 2558

Ion Ratio Lower Upper

276 100

277 25.1 18.3 27.5

138 25.8 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024

