

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072424\
 Data File : BF138646.D
 Acq On : 24 Jul 2024 18:17
 Operator : RC/JU
 Sample : P3341-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-072324

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/25/2024
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 25 01:04:08 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	6.851	152	77493	20.000	ng	-0.02
21) Naphthalene-d8	8.134	136	279251	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	111660	20.000	ng	-0.02
64) Phenanthrene-d10	11.374	188	178552	20.000	ng	-0.01
76) Chrysene-d12	14.010	240	95831	20.000	ng	-0.02
86) Perylene-d12	15.474	264	90450	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	199604	40.794	ng	-0.02
7) Phenol-d6	6.487	99	262066	40.261	ng	-0.02
23) Nitrobenzene-d5	7.416	82	162537	28.577	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	37224	35.670	ng	-0.02
45) 2-Fluorobiphenyl	9.210	172	232901	32.599	ng	-0.02
79) Terphenyl-d14	12.957	244	197370	33.553	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	95562	10.594	ng	99
72) Anthracene	11.451	178	25388m	2.835	ng	
75) Fluoranthene	12.586	202	221620	24.077	ng	97
78) Pyrene	12.816	202	210306	21.618	ng	99
81) Benzo(a)anthracene	14.004	228	86229m	13.410	ng	
83) Chrysene	14.033	228	75205	12.363	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	37070	6.102	ng	# 90
88) Benzo(b)fluoranthene	15.051	252	78179m	15.348	ng	
89) Benzo(k)fluoranthene	15.062	252	34030m	6.850	ng	
90) Benzo(a)pyrene	15.415	252	62456	13.957	ng	95
91) Dibenzo(a,h)anthracene	16.951	278	10173	2.047	ng	# 72
92) Benzo(g,h,i)perylene	17.386	276	33118	6.284	ng	# 92

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

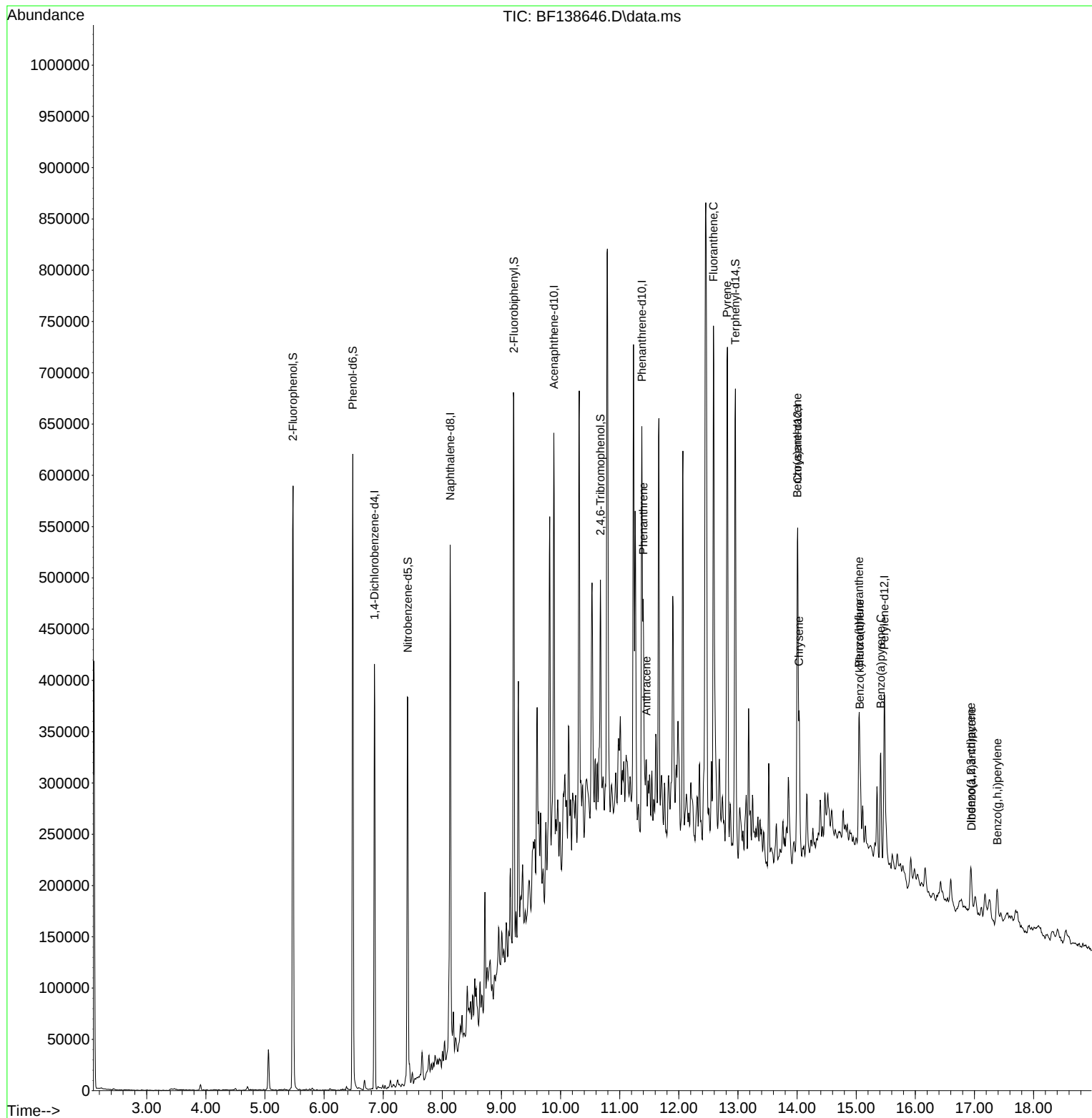
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072424\
Data File : BF138646.D
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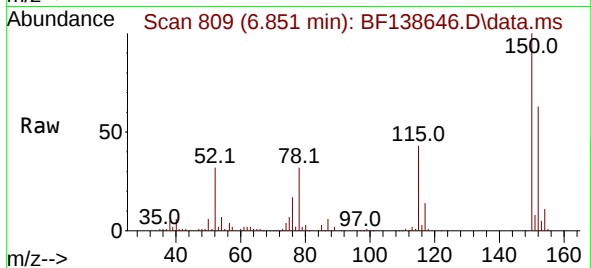
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.018 min
Lab File: BF138646.D
Acq: 24 Jul 2024 18:17

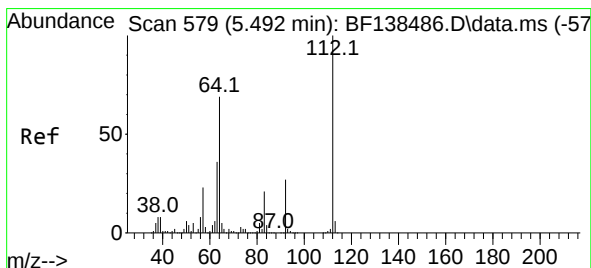
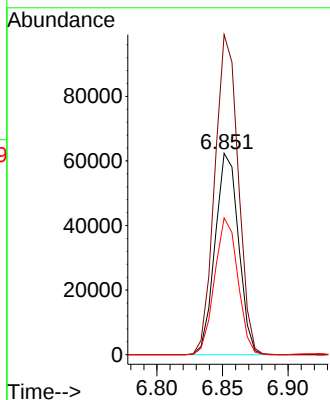
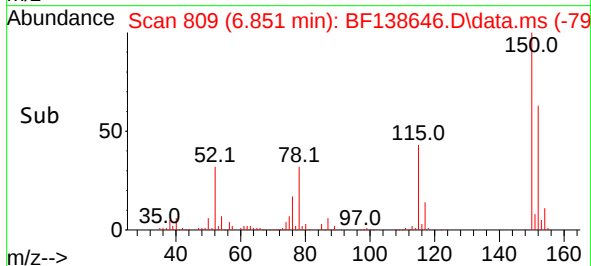
Instrument :
BNA_F
ClientSampleId :
AU-05-072324



Tgt Ion:152 Resp: 7749
Ion Ratio Lower Upper
152 100
150 159.0 126.2 189.4
115 68.0 50.3 75.5

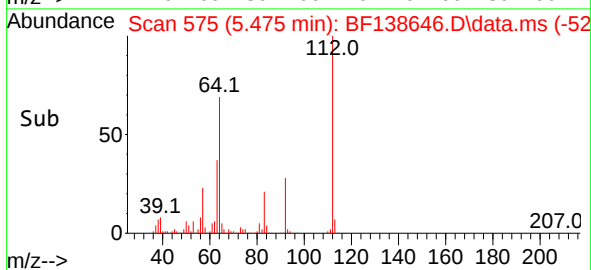
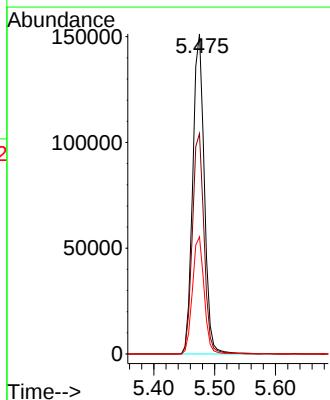
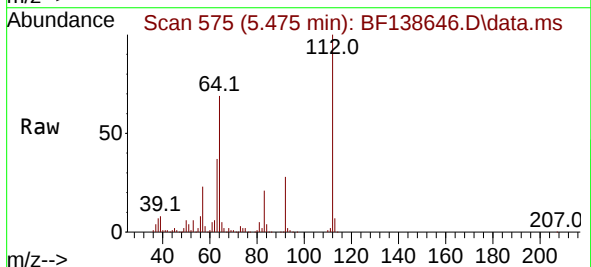
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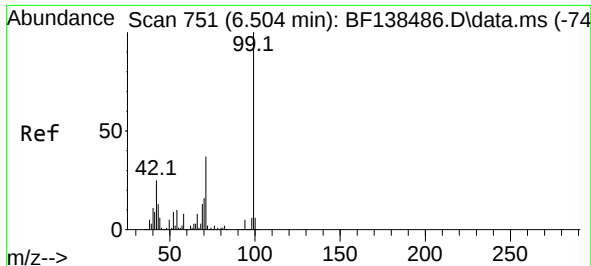
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#5
2-Fluorophenol
Concen: 40.794 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF138646.D
Acq: 24 Jul 2024 18:17

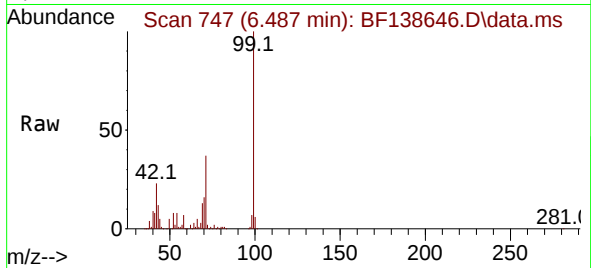
Tgt Ion:112 Resp: 199604
Ion Ratio Lower Upper
112 100
64 68.9 55.1 82.7
63 36.6 29.0 43.6





#7
Phenol-d6
Concen: 40.261 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF138646.D
Acq: 24 Jul 2024 18:17

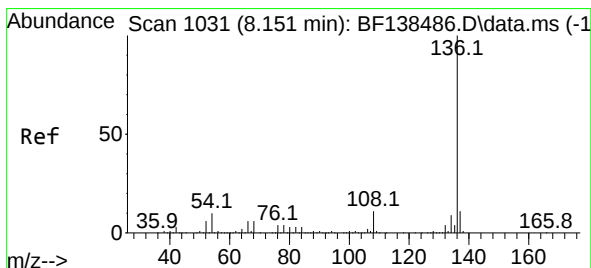
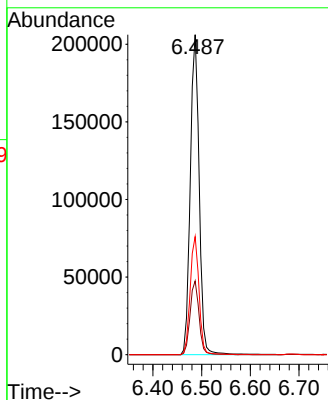
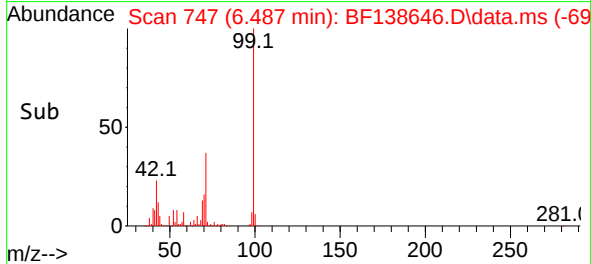
Instrument :
BNA_F
ClientSampleId :
AU-05-072324



Tgt Ion: 99 Resp: 262060
Ion Ratio Lower Upper
99 100
42 23.1 19.7 29.5
71 36.9 29.9 44.9

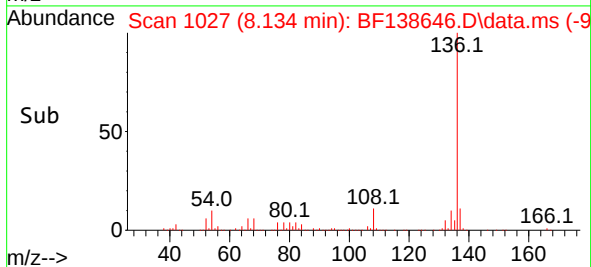
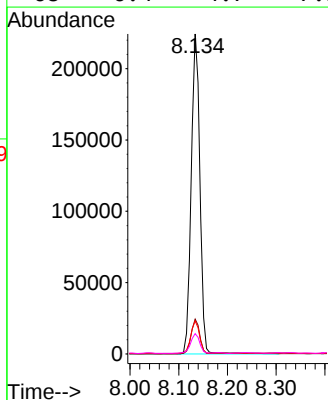
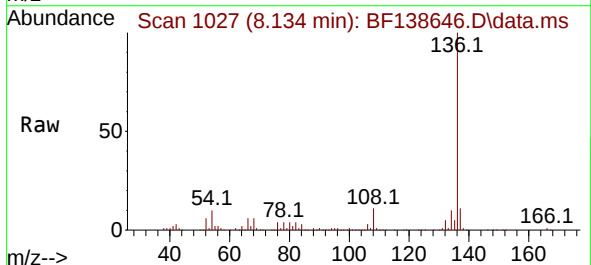
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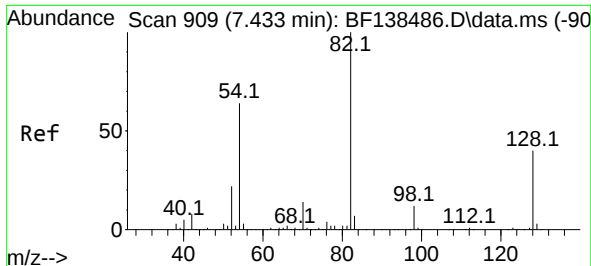
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. -0.018 min
Lab File: BF138646.D
Acq: 24 Jul 2024 18:17

Tgt Ion:136 Resp: 279251
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 10.3 8.1 12.1
68 6.4 4.7 7.1





#23
Nitrobenzene-d5
Concen: 28.577 ng
RT: 7.416 min Scan# 909
Delta R.T. -0.018 min
Lab File: BF138646.D
Acq: 24 Jul 2024 18:17

Instrument :

BNA_F

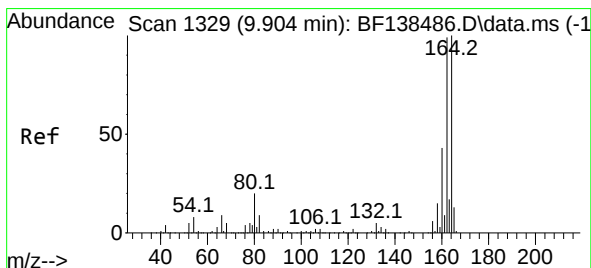
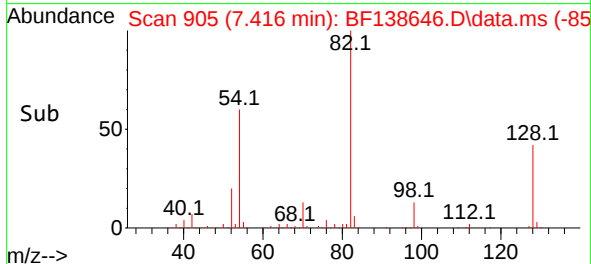
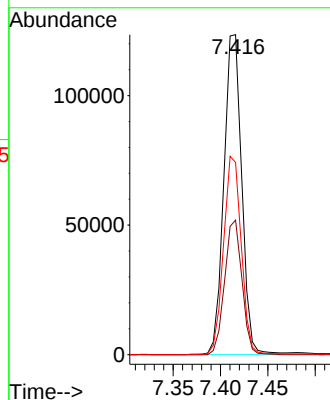
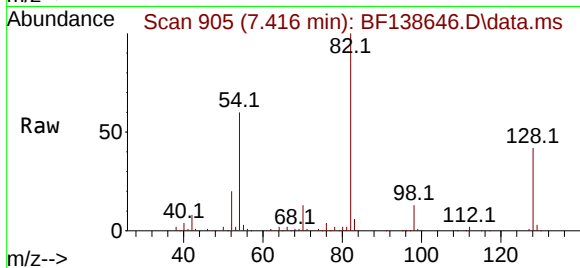
ClientSampleId :

AU-05-072324

Tgt Ion: 82 Resp: 16253
Ion Ratio Lower Upper
82 100
128 42.0 32.3 48.5
54 60.1 51.4 77.0

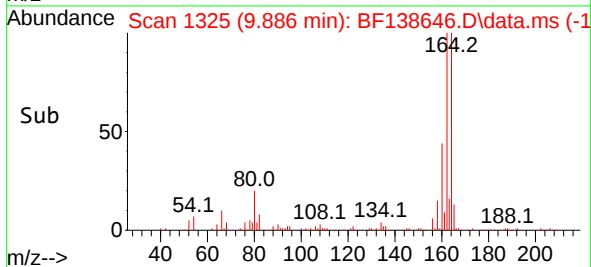
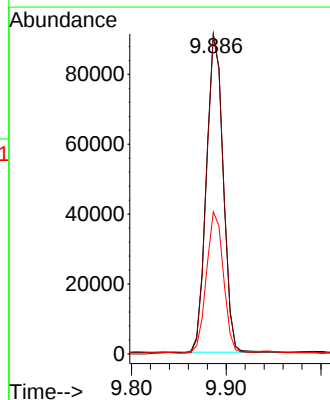
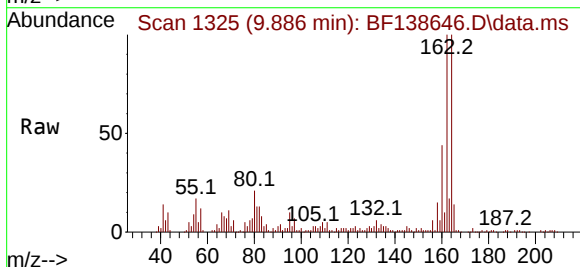
Manual Integrations
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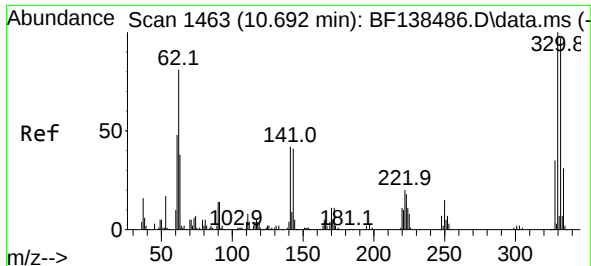
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BF138646.D
Acq: 24 Jul 2024 18:17

Tgt Ion:164 Resp: 111660
Ion Ratio Lower Upper
164 100
162 99.6 79.0 118.6
160 44.4 34.4 51.6





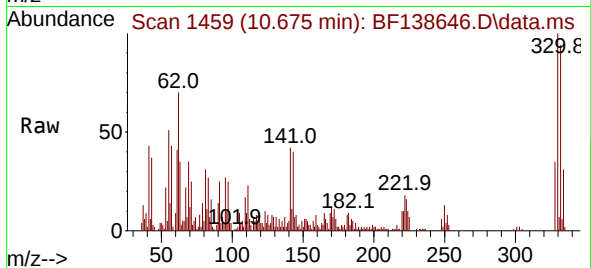
#42
2,4,6-Tribromophenol
Concen: 35.670 ng
RT: 10.675 min Scan# 1463
Delta R.T. -0.018 min
Lab File: BF138646.D
Acq: 24 Jul 2024 18:17

Instrument :

BNA_F

ClientSampleId :

AU-05-072324



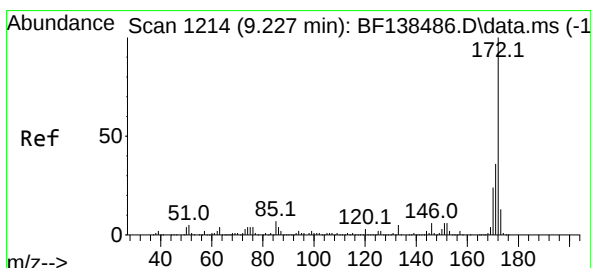
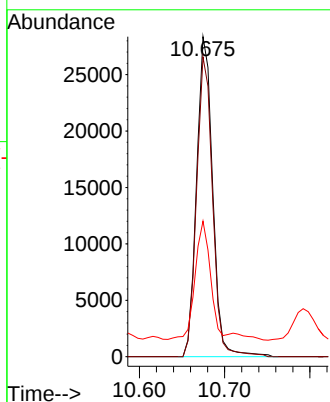
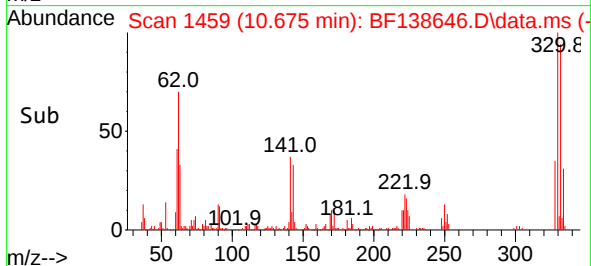
Tgt Ion: 330 Resp: 37224
Ion Ratio Lower Upper
330 100
332 93.3 76.8 115.2
141 35.3 29.4 44.2

Manual Integrations

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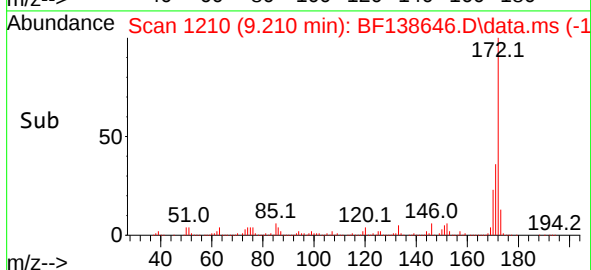
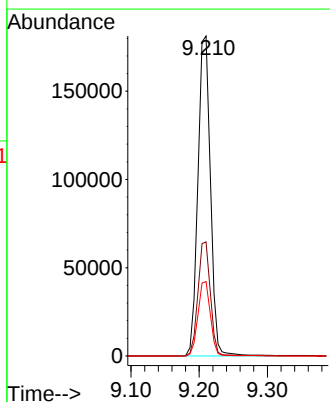
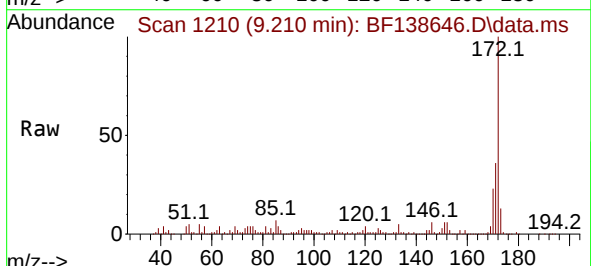
Reviewed By : Yogesh Patel 07/25/2024

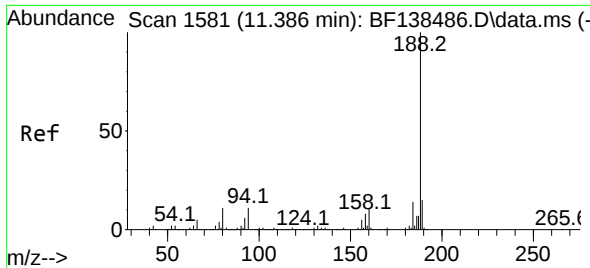
Supervised By : mohammad ahmed 07/25/2024



#45
2-Fluorobiphenyl
Concen: 32.599 ng
RT: 9.210 min Scan# 1210
Delta R.T. -0.018 min
Lab File: BF138646.D
Acq: 24 Jul 2024 18:17

Tgt Ion: 172 Resp: 232901
Ion Ratio Lower Upper
172 100
171 35.6 28.9 43.3
170 23.3 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138646.D
Acq: 24 Jul 2024 18:17

Instrument :

BNA_F

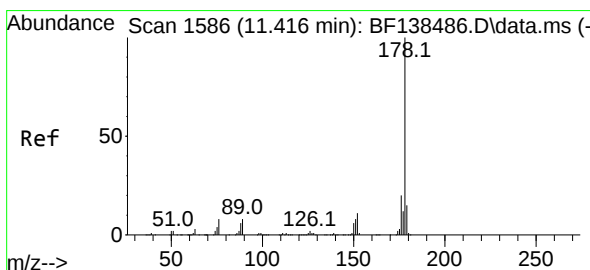
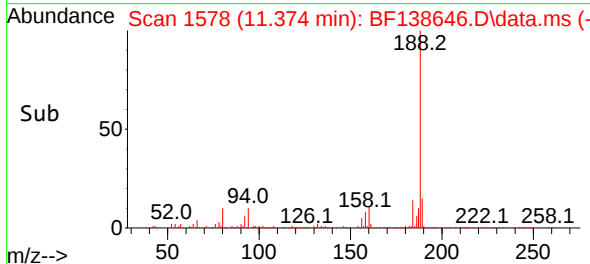
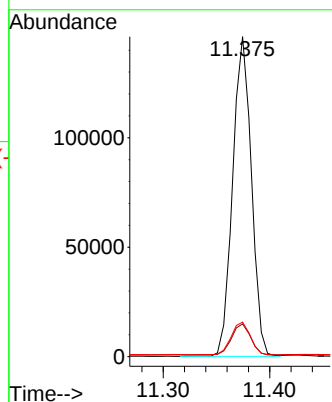
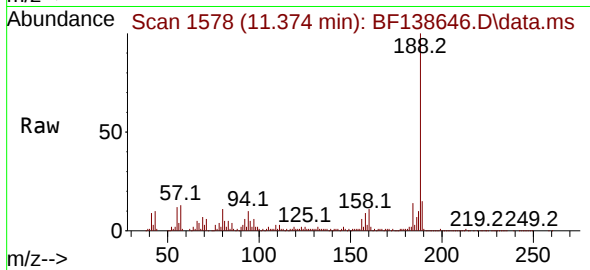
ClientSampleId :

AU-05-072324

Tgt Ion:188 Resp: 17855
Ion Ratio Lower Upper
188 100
94 10.3 8.7 13.1
80 10.8 9.0 13.4

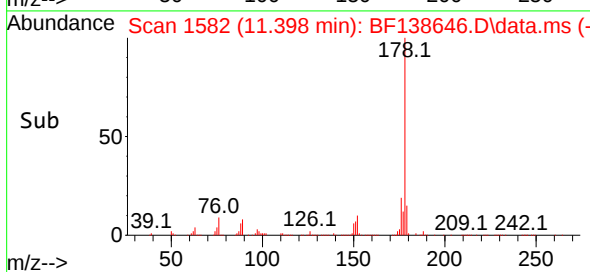
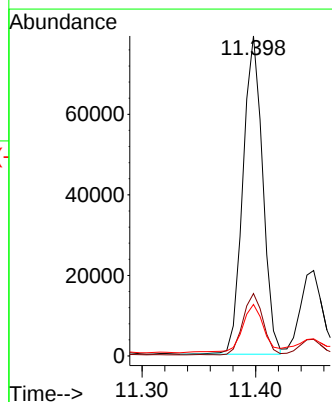
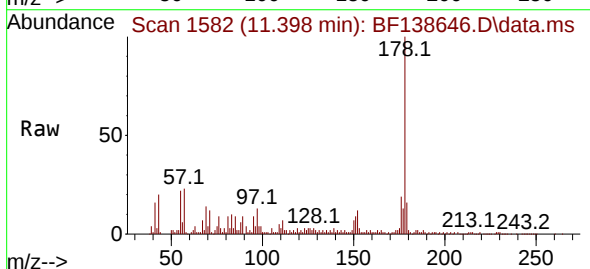
Manual Integrations
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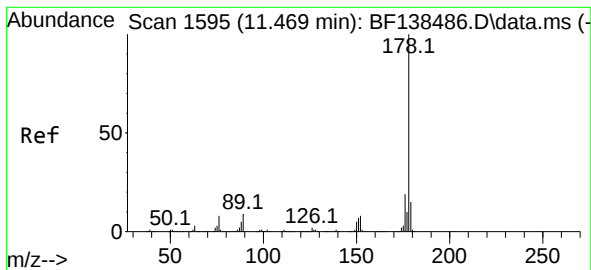
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#71
Phenanthrene
Concen: 10.594 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.018 min
Lab File: BF138646.D
Acq: 24 Jul 2024 18:17

Tgt Ion:178 Resp: 95562
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 16.1 12.2 18.2





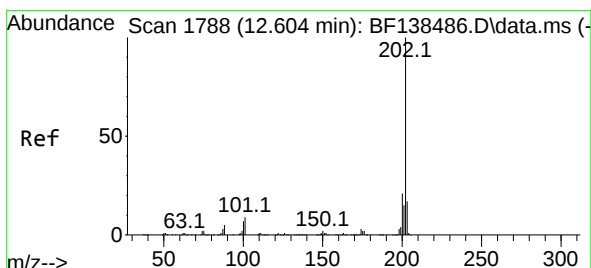
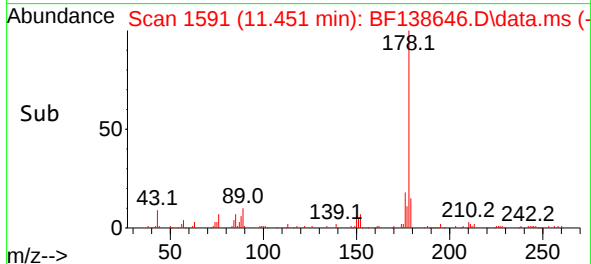
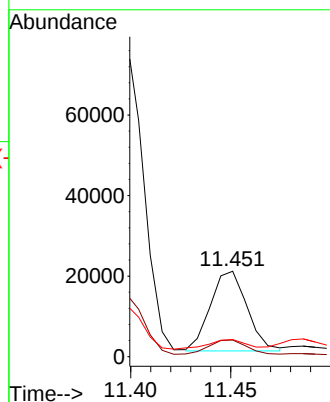
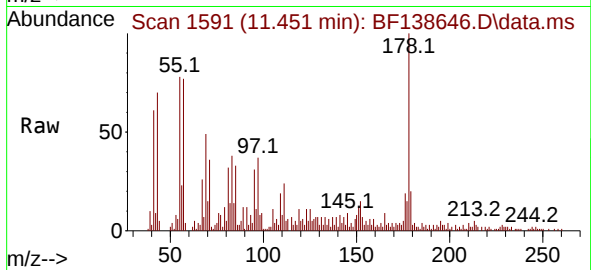
#72
 Anthracene
 Concen: 2.835 ng m
 RT: 11.451 min Scan# 1
 Delta R.T. -0.018 min
 Lab File: BF138646.D
 Acq: 24 Jul 2024 18:17

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-072324

Tgt Ion:178 Resp: 2538
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.8 22.2
 179 20.0 12.2 18.4

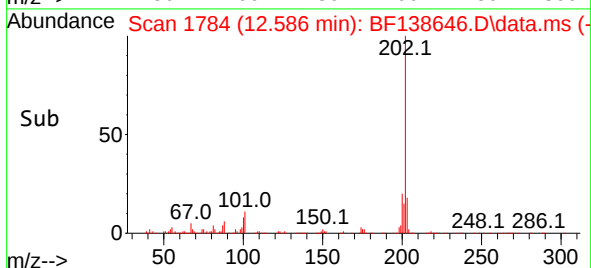
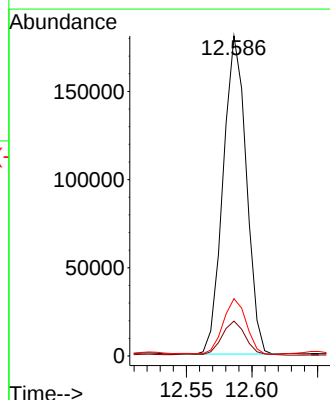
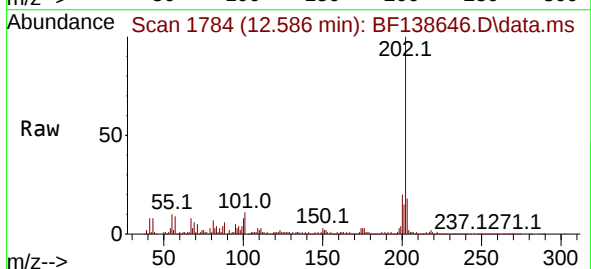
Manual Integrations
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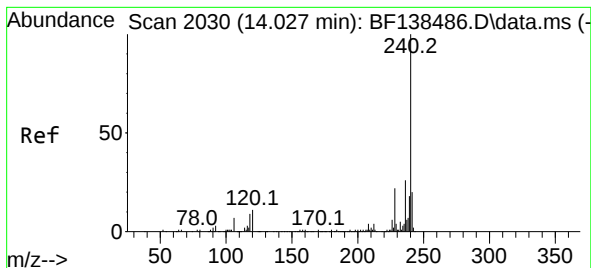
Reviewed By :Yogesh Patel 07/25/2024
 Supervised By :mohammad ahmed 07/25/2024



#75
 Fluoranthene
 Concen: 24.077 ng
 RT: 12.586 min Scan# 1784
 Delta R.T. -0.018 min
 Lab File: BF138646.D
 Acq: 24 Jul 2024 18:17

Tgt Ion:202 Resp: 221620
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 29.2
 203 17.9 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2030

Delta R.T. -0.018 min

Lab File: BF138646.D

Acq: 24 Jul 2024 18:17

Instrument :

BNA_F

ClientSampleId :

AU-05-072324

Tgt Ion:240 Resp: 9583

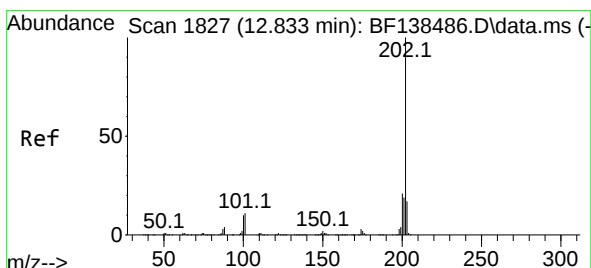
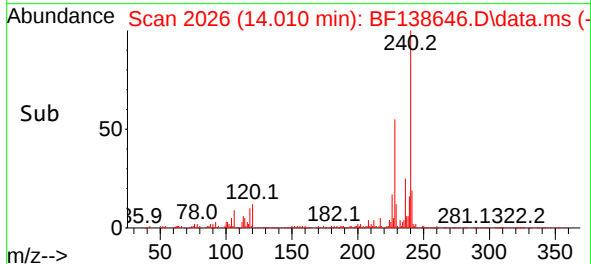
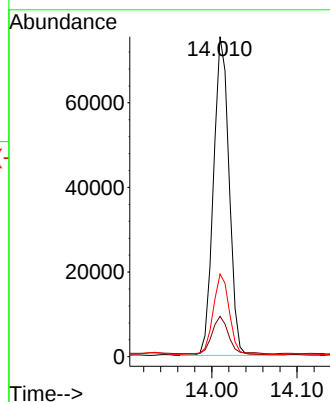
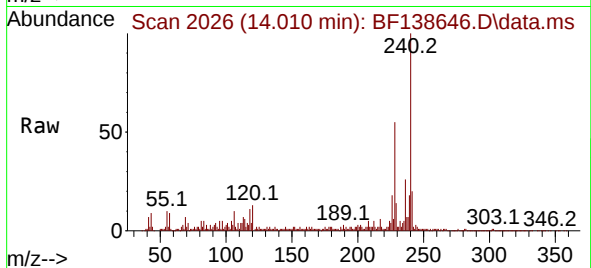
Ion	Ratio	Lower	Upper
240	100		
120	12.6	8.6	12.8
236	25.8	21.0	31.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/25/2024

Supervised By :mohammad ahmed 07/25/2024



#78

Pyrene

Concen: 21.618 ng

RT: 12.816 min Scan# 1823

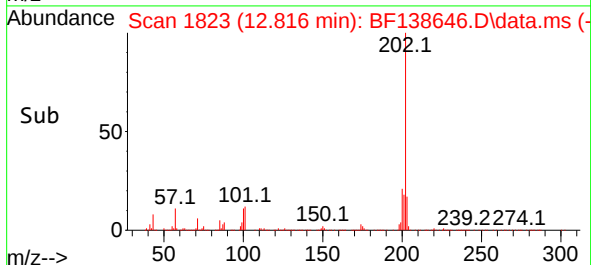
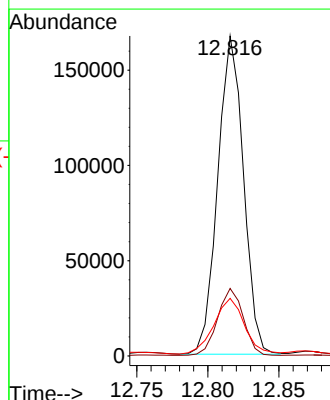
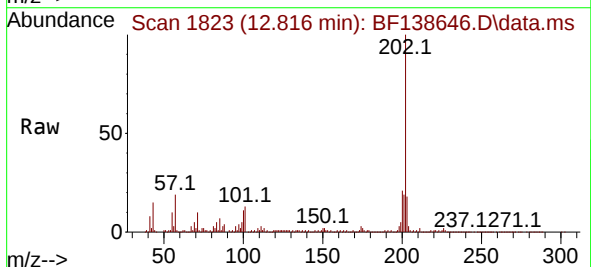
Delta R.T. -0.018 min

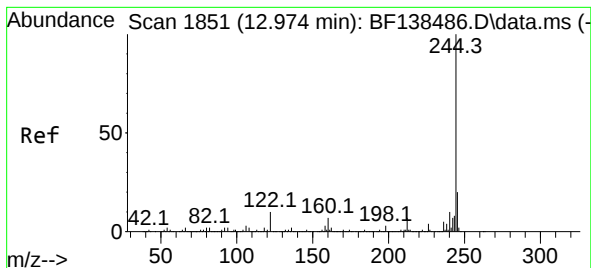
Lab File: BF138646.D

Acq: 24 Jul 2024 18:17

Tgt Ion:202 Resp: 210306

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.6
203	18.0	13.7	20.5





#79

Terphenyl-d14

Concen: 33.553 ng

RT: 12.957 min Scan# 1847

Delta R.T. -0.018 min

Lab File: BF138646.D

Acq: 24 Jul 2024 18:17

Instrument :

BNA_F

ClientSampleId :

AU-05-072324

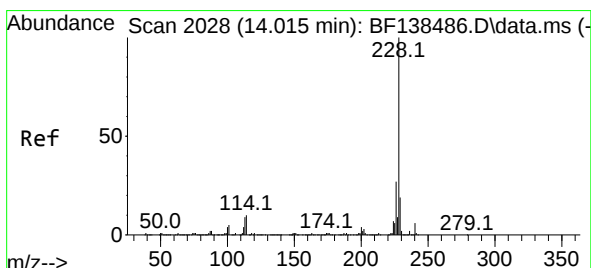
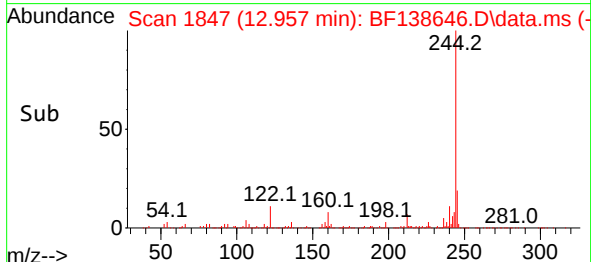
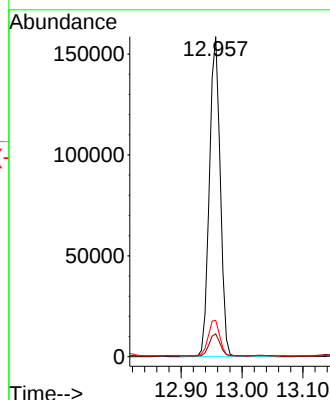
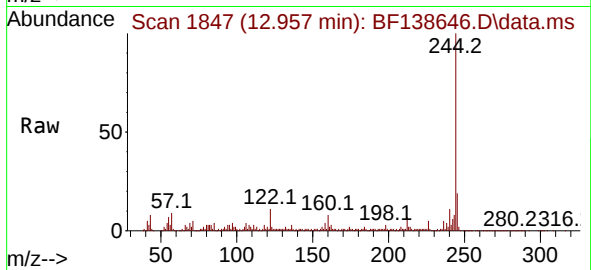
Tgt Ion:244 Resp: 197370
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.5 8.3
 122 11.4 7.8 11.8

Manual Integrations

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Reviewed By :Yogesh Patel 07/25/2024

Supervised By :mohammad ahmed 07/25/2024



#81

Benzo(a)anthracene

Concen: 13.410 ng m

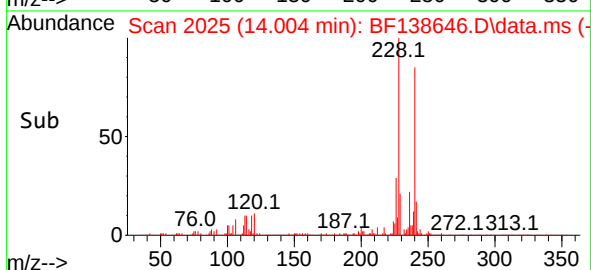
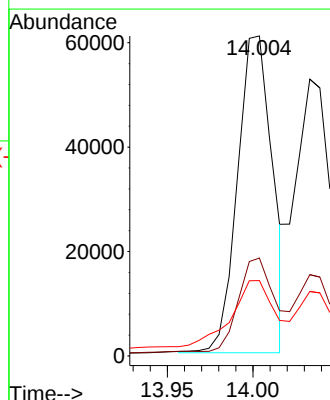
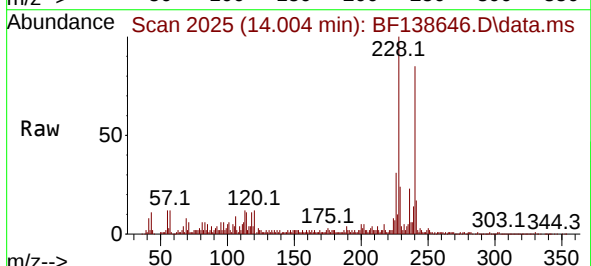
RT: 14.004 min Scan# 2025

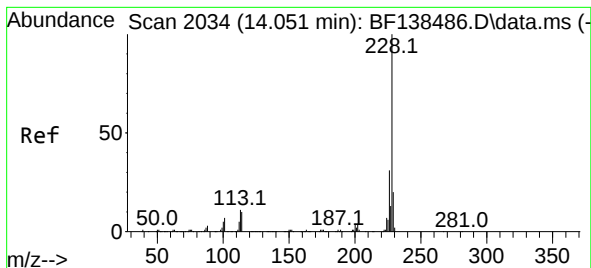
Delta R.T. -0.012 min

Lab File: BF138646.D

Acq: 24 Jul 2024 18:17

Tgt Ion:228 Resp: 86229
 Ion Ratio Lower Upper
 228 100
 226 30.6 21.9 32.9
 229 23.6 15.5 23.3#





#83

Chrysene

Concen: 12.363 ng

RT: 14.033 min Scan# 2034

Delta R.T. -0.018 min

Lab File: BF138646.D

Acq: 24 Jul 2024 18:17

Instrument :

BNA_F

ClientSampleId :

AU-05-072324

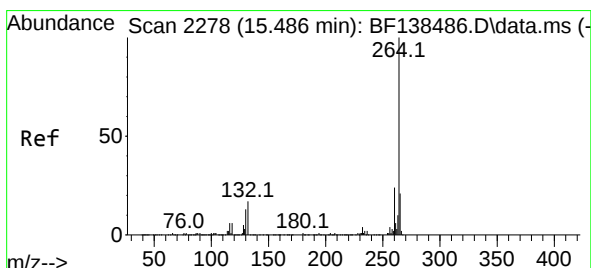
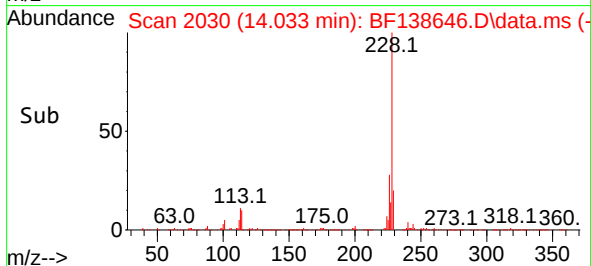
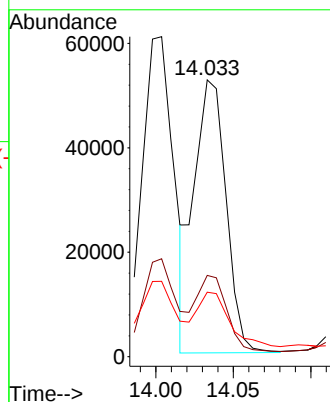
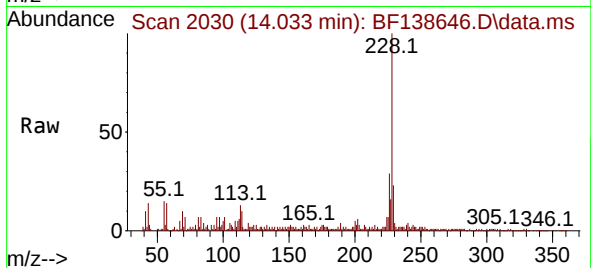
Tgt Ion:228	Resp:	7520
Ion Ratio	Lower	Upper
228	100	
226	29.4	24.4 36.6
229	23.3	16.0 24.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/25/2024

Supervised By :mohammad ahmed 07/25/2024



#86

Perylene-d12

Concen: 20.000 ng

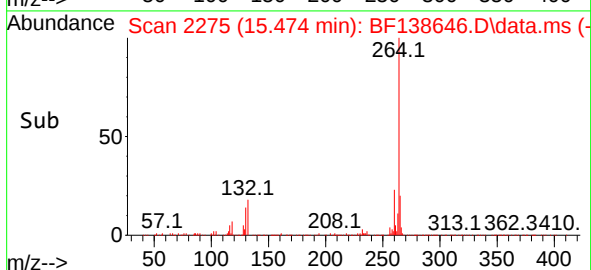
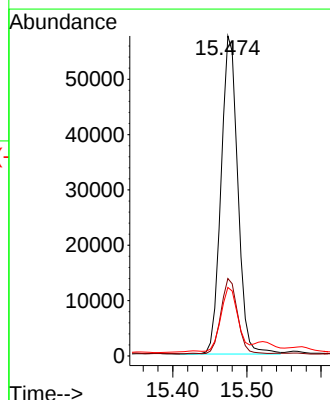
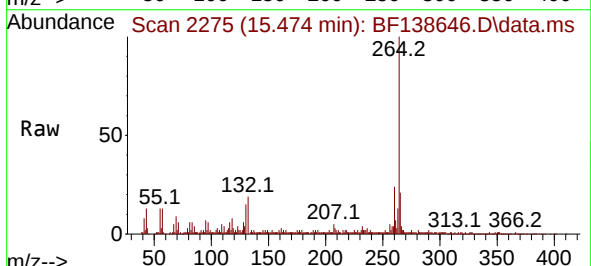
RT: 15.474 min Scan# 2275

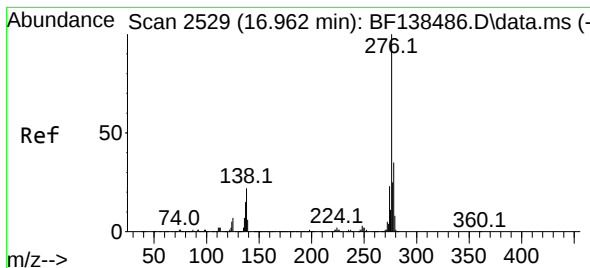
Delta R.T. -0.012 min

Lab File: BF138646.D

Acq: 24 Jul 2024 18:17

Tgt Ion:264	Resp:	90450
Ion Ratio	Lower	Upper
264	100	
260	24.2	19.0 28.6
265	21.4	17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.102 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF138646.D

Acq: 24 Jul 2024 18:17

Instrument :

BNA_F

ClientSampleId :

AU-05-072324

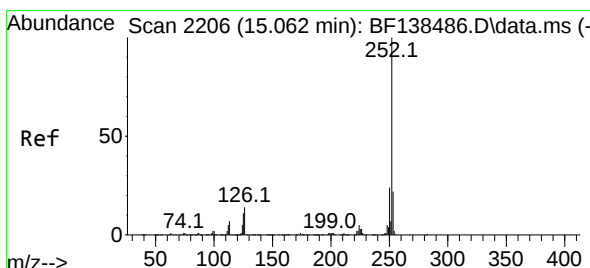
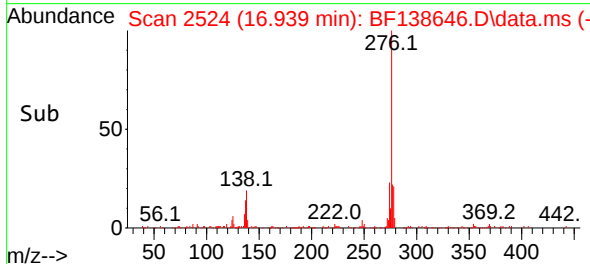
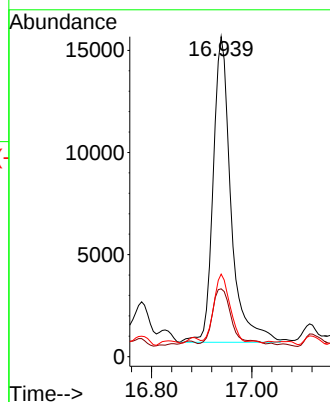
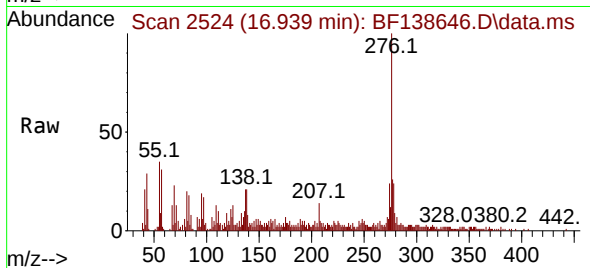
Tgt Ion:	276	Resp:	37070
Ion Ratio	Lower	Upper	
276	100		
138	20.4	19.6	29.4
277	19.6	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/25/2024

Supervised By :mohammad ahmed 07/25/2024



#88

Benzo(b)fluoranthene

Concen: 15.348 ng m

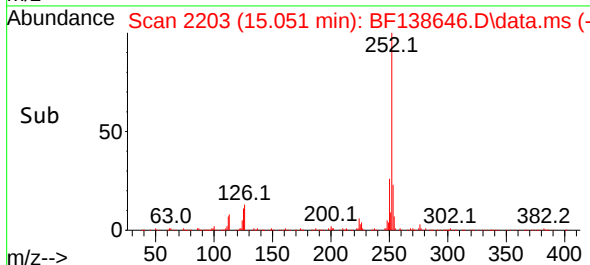
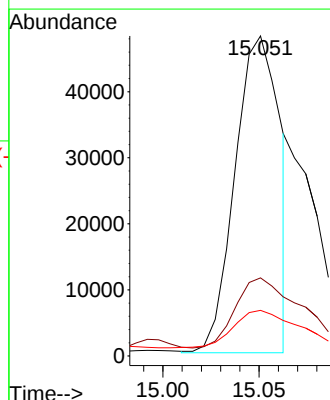
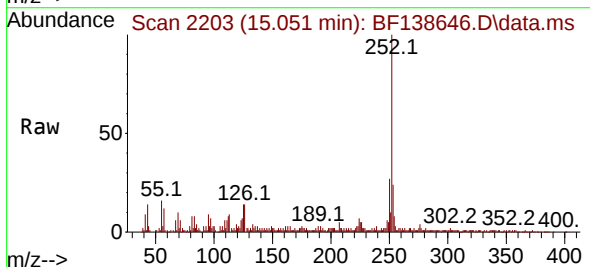
RT: 15.051 min Scan# 2203

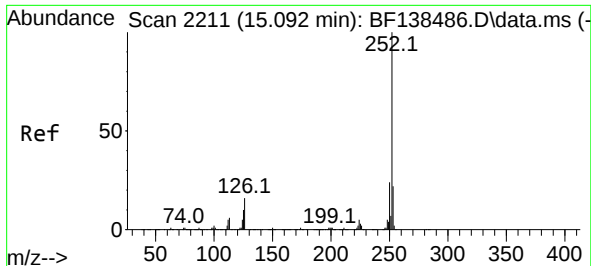
Delta R.T. -0.012 min

Lab File: BF138646.D

Acq: 24 Jul 2024 18:17

Tgt Ion:	252	Resp:	78179
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.3	25.9
125	14.3	8.6	13.0





#89

Benzo(k)fluoranthene

Concen: 6.850 ng m

RT: 15.062 min Scan# 2211

Delta R.T. -0.029 min

Lab File: BF138646.D

Acq: 24 Jul 2024 18:17

Instrument :

BNA_F

ClientSampleId :

AU-05-072324

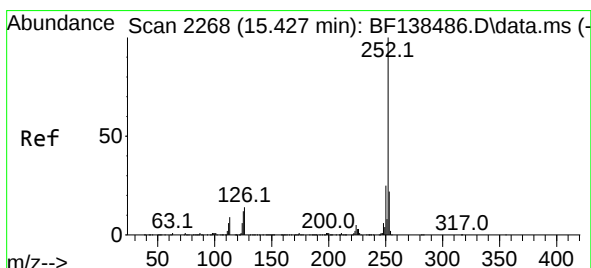
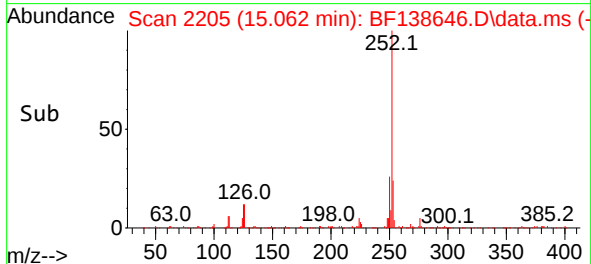
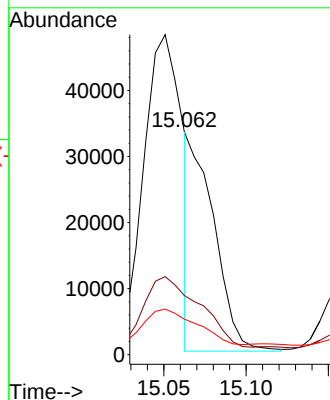
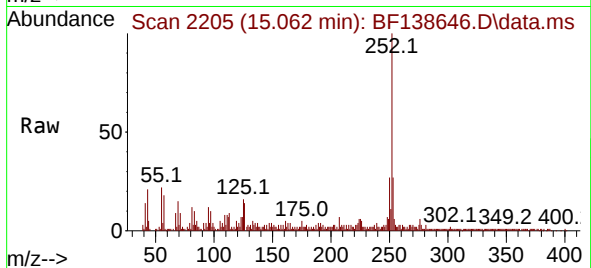
Tgt Ion:252 Resp: 34030
 Ion Ratio Lower Upper
 252 100
 253 26.6 17.7 26.5
 125 16.0 8.1 12.1

Manual Integrations

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Reviewed By :Yogesh Patel 07/25/2024

Supervised By :mohammad ahmed 07/25/2024



#90

Benzo(a)pyrene

Concen: 13.957 ng

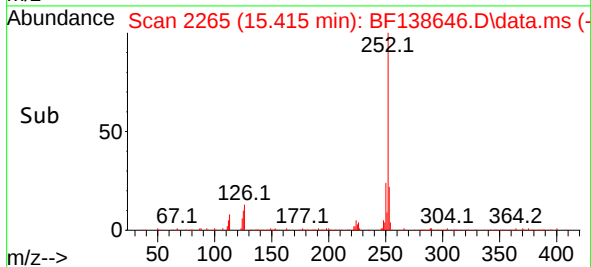
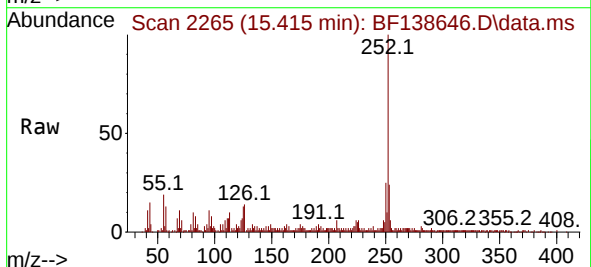
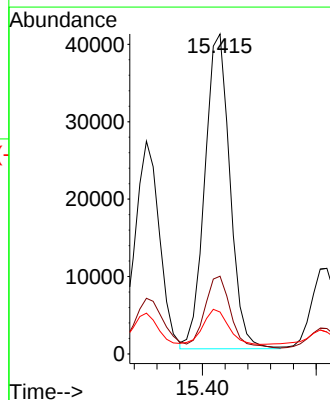
RT: 15.415 min Scan# 2265

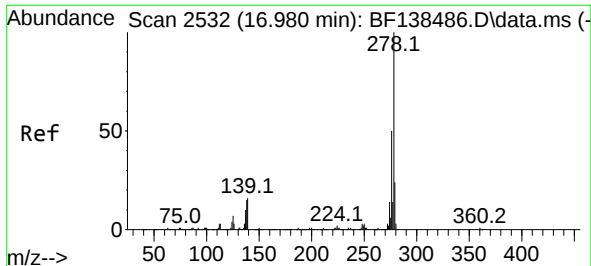
Delta R.T. -0.012 min

Lab File: BF138646.D

Acq: 24 Jul 2024 18:17

Tgt Ion:252 Resp: 62456
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.4 26.0
 125 13.1 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 2.047 ng
RT: 16.951 min Scan# 2100
Delta R.T. -0.029 min
Lab File: BF138646.D
Acq: 24 Jul 2024 18:17

Instrument :

BNA_F

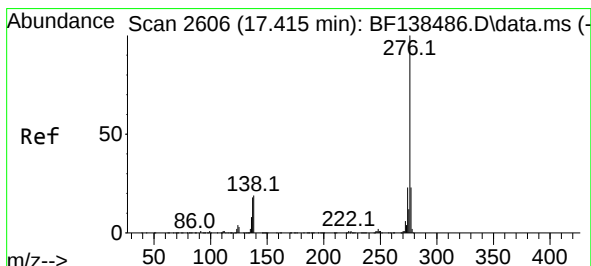
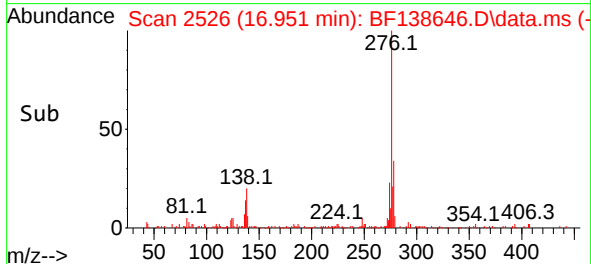
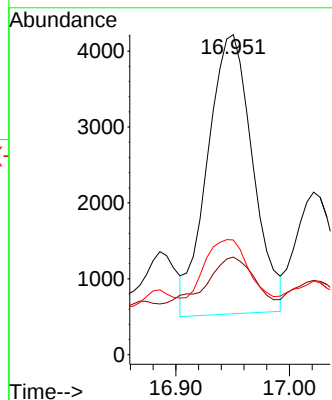
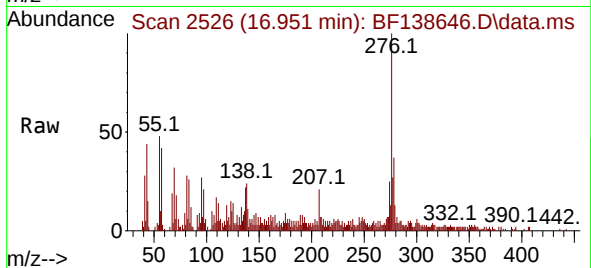
ClientSampleId :

AU-05-072324

Tgt Ion:278 Resp: 1017
Ion Ratio Lower Upper
278 100
139 30.5 12.8 19.2
279 35.9 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#92
Benzo(g,h,i)perylene
Concen: 6.284 ng
RT: 17.386 min Scan# 2600
Delta R.T. -0.029 min
Lab File: BF138646.D
Acq: 24 Jul 2024 18:17

Tgt Ion:276 Resp: 33118
Ion Ratio Lower Upper
276 100
277 27.3 18.0 27.0#
138 22.3 15.5 23.3

