

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071924\
 Data File : BF138598.D
 Acq On : 19 Jul 2024 19:33
 Operator : RC/JU
 Sample : P3294-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-3-071724

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/20/2024
 Supervised By :mohammad ahmed 07/22/2024

Quant Time: Jul 19 23:19:16 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	6.857	152	74169	20.000	ng	-0.01
21) Naphthalene-d8	8.140	136	282683	20.000	ng	-0.01
39) Acenaphthene-d10	9.892	164	131162	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	187414	20.000	ng	-0.01
76) Chrysene-d12	14.016	240	130977	20.000	ng	-0.01
86) Perylene-d12	15.480	264	105867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	469379	100.228	ng	0.00
7) Phenol-d6	6.493	99	609699	97.866	ng	-0.01
23) Nitrobenzene-d5	7.422	82	384152	66.721	ng	-0.01
42) 2,4,6-Tribromophenol	10.681	330	97007	79.135	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	597204	71.162	ng	-0.01
79) Terphenyl-d14	12.963	244	499685	62.152	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	23504	2.482	ng	98
75) Fluoranthene	12.586	202	96360	9.974	ng	97
78) Pyrene	12.816	202	115167	8.662	ng	99
81) Benzo(a)anthracene	14.004	228	60855	6.924	ng	99
83) Chrysene	14.039	228	48268	5.806	ng	99
87) Indeno(1,2,3-cd)pyrene	16.945	276	18619	2.618	ng	97
88) Benzo(b)fluoranthene	15.051	252	47429m	7.955	ng	
89) Benzo(k)fluoranthene	15.069	252	15867m	2.729	ng	
90) Benzo(a)pyrene	15.416	252	35167	6.714	ng	96
92) Benzo(g,h,i)perylene	17.386	276	20286	3.289	ng #	89

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

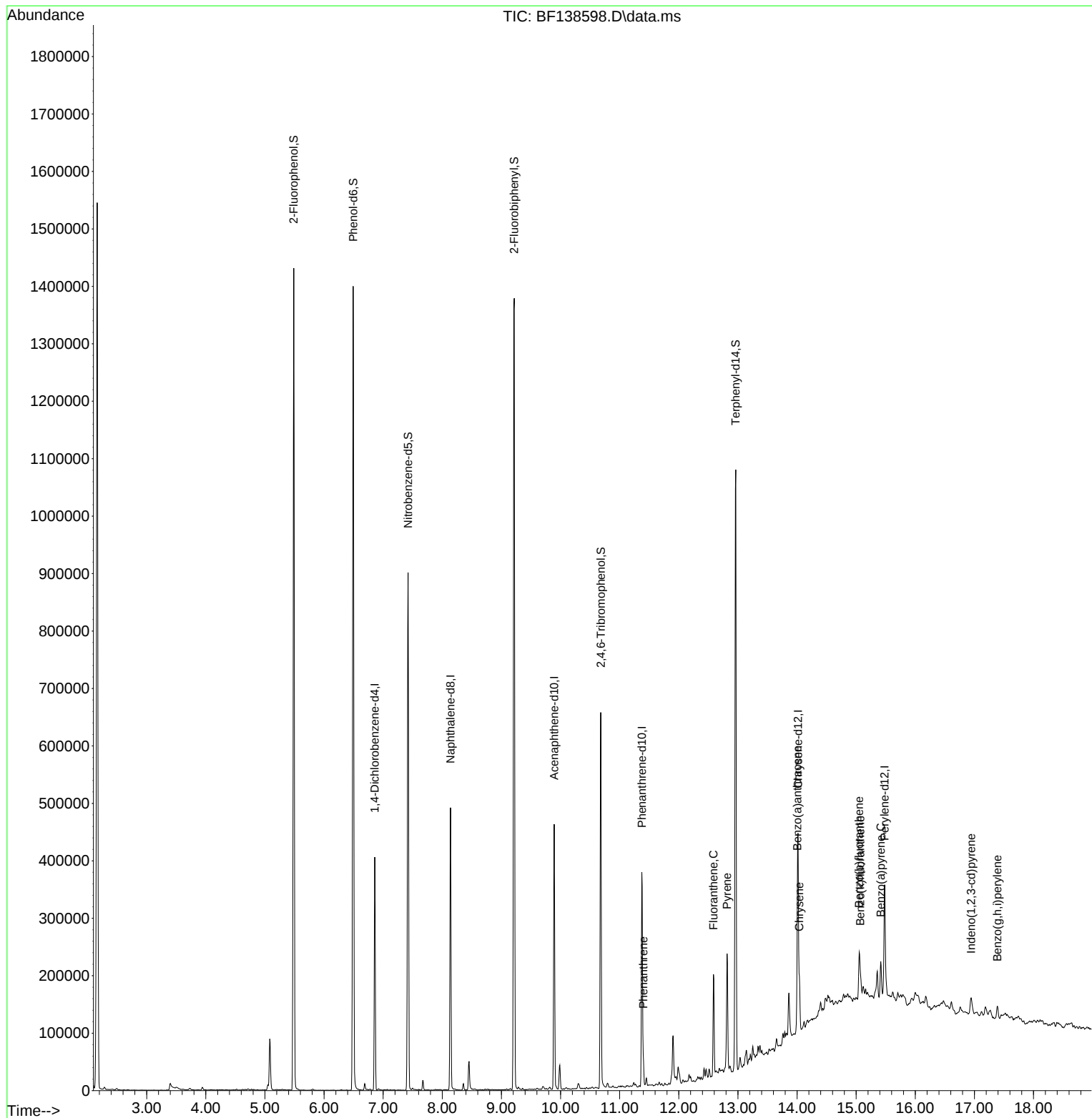
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071924\
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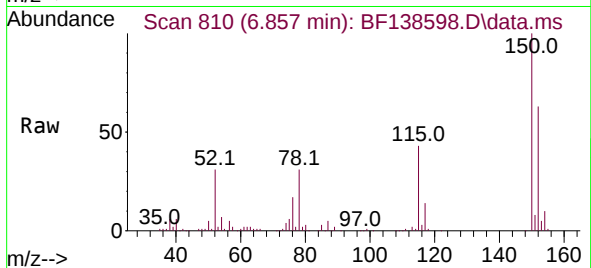
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

Instrument :

BNA_F

ClientSampleId :

HR-3-071724

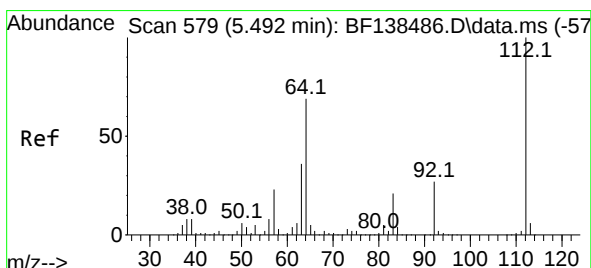
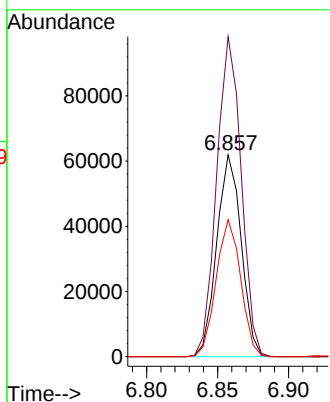
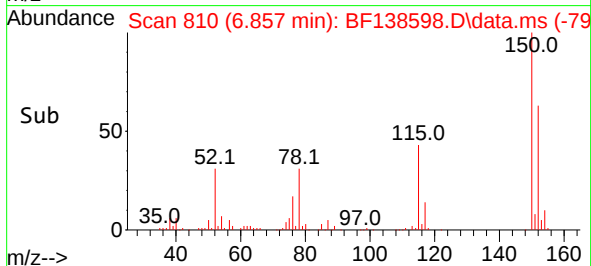


Tgt Ion:152 Resp: 74169
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.4
115 67.9 50.3 75.5

Manual Integrations

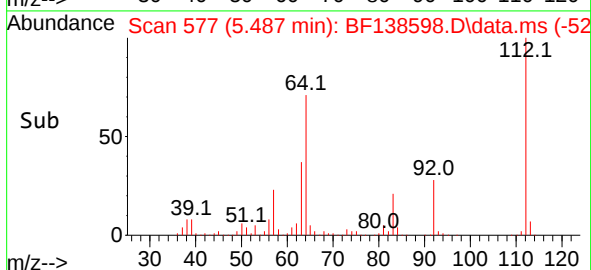
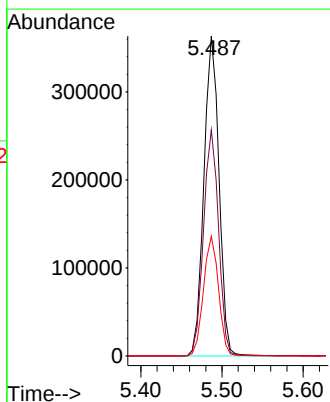
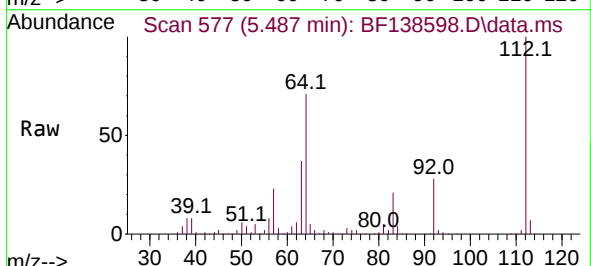
APPROVED

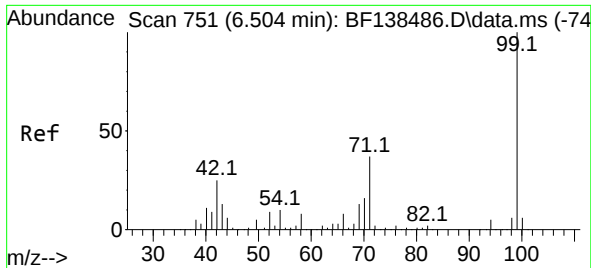
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#5
2-Fluorophenol
Concen: 100.228 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

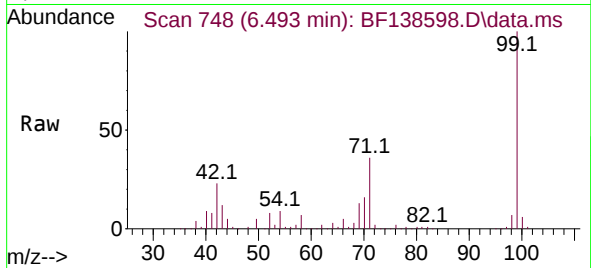
Tgt Ion:112 Resp: 469379
Ion Ratio Lower Upper
112 100
64 70.7 55.1 82.7
63 37.4 29.0 43.6





#7
Phenol-d6
Concen: 97.866 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

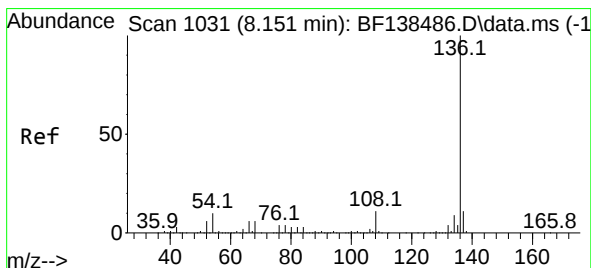
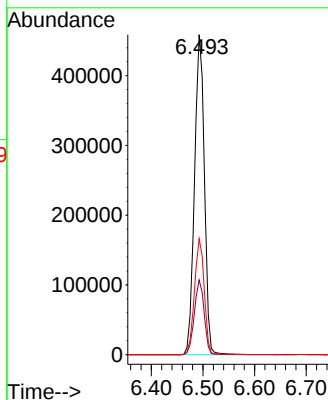
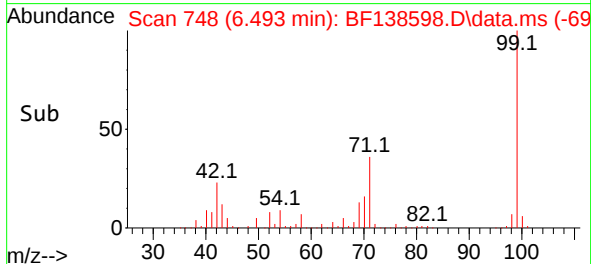
Instrument :
BNA_F
ClientSampleId :
HR-3-071724



Tgt Ion: 99 Resp: 609699
Ion Ratio Lower Upper
99 100
42 23.4 19.7 29.5
71 36.3 29.9 44.9

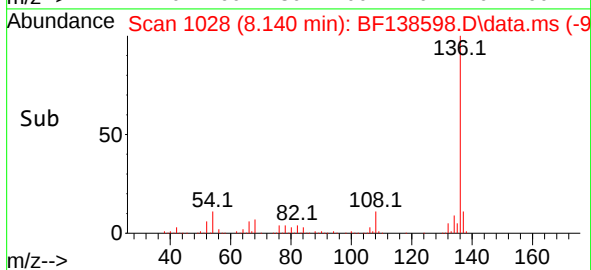
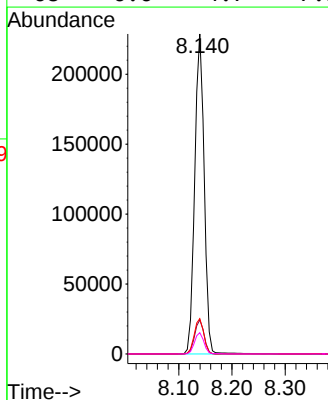
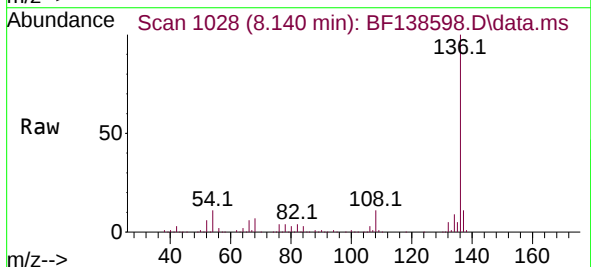
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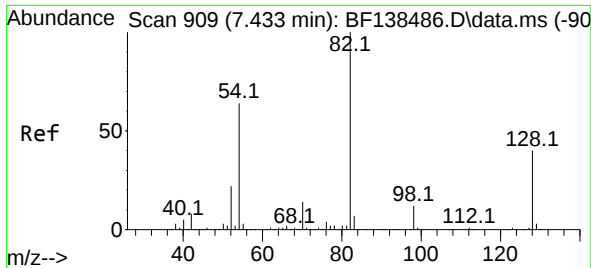
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1028
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

Tgt Ion:136 Resp: 282683
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 11.1 8.1 12.1
68 6.6 4.7 7.1





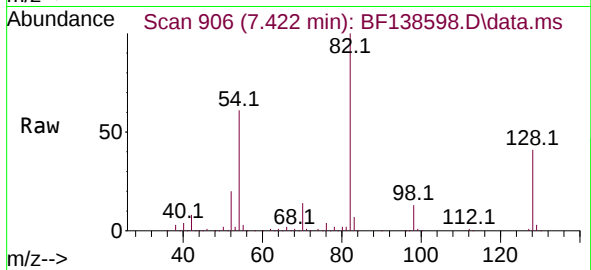
#23
Nitrobenzene-d5
Concen: 66.721 ng
RT: 7.422 min Scan# 909
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

Instrument :

BNA_F

ClientSampleId :

HR-3-071724

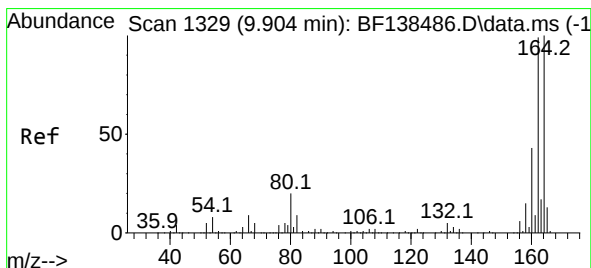
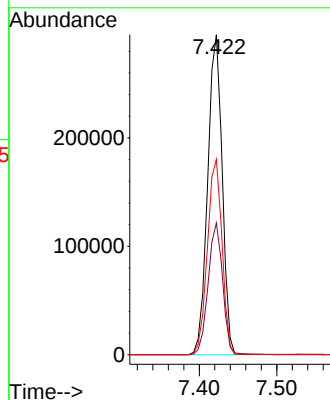
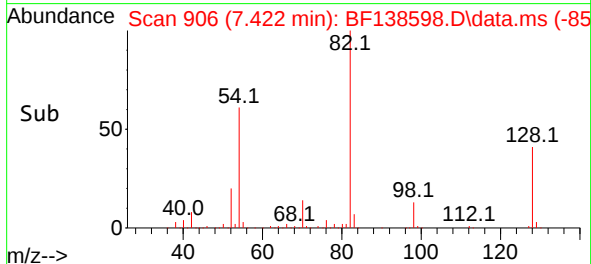


Tgt Ion: 82 Resp: 384152
Ion Ratio Lower Upper
82 100
128 41.1 32.3 48.5
54 61.1 51.4 77.0

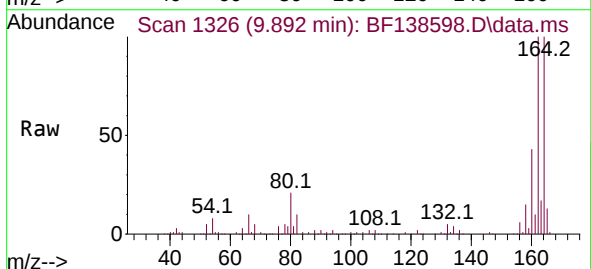
Manual Integrations

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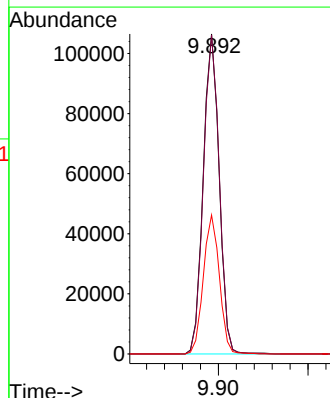
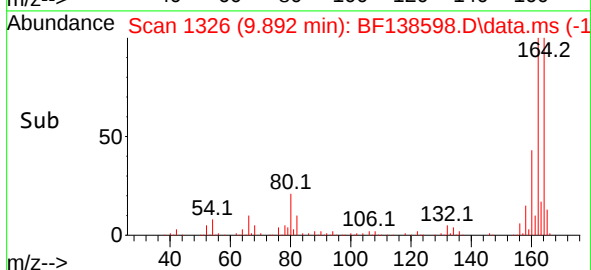
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024

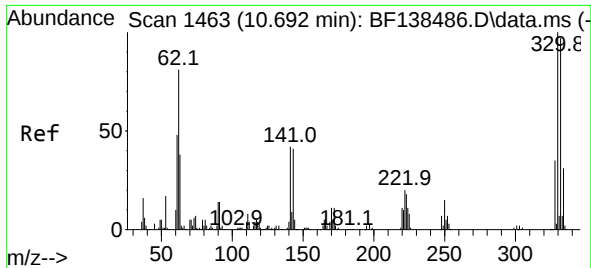


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33



Tgt Ion:164 Resp: 131162
Ion Ratio Lower Upper
164 100
162 99.7 79.0 118.6
160 43.4 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 79.135 ng
RT: 10.681 min Scan# 1460
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

Instrument :

BNA_F

ClientSampleId :

HR-3-071724

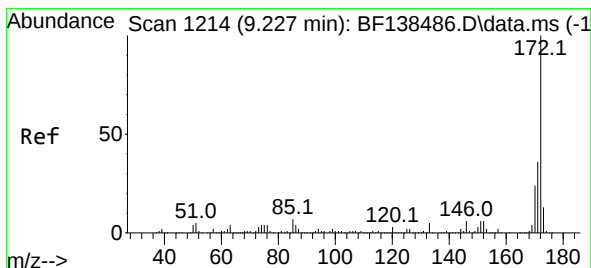
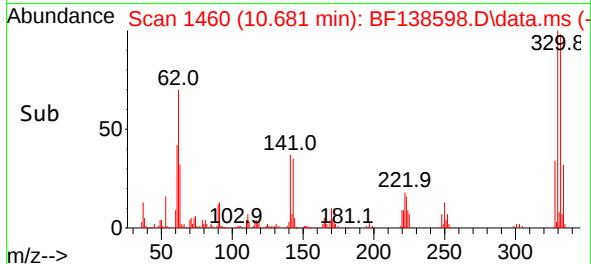
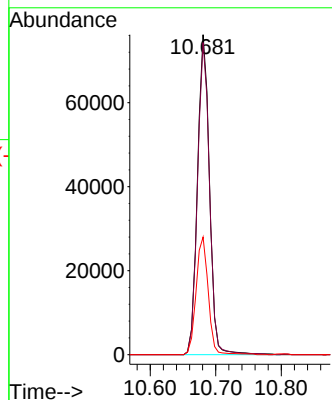
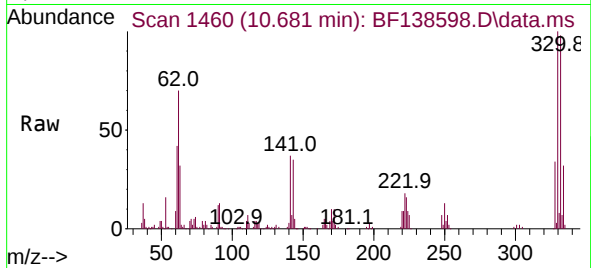
Tgt Ion:330 Resp: 9700
Ion Ratio Lower Upper
330 100
332 97.9 76.8 115.2
141 37.2 29.4 44.2

Manual Integrations

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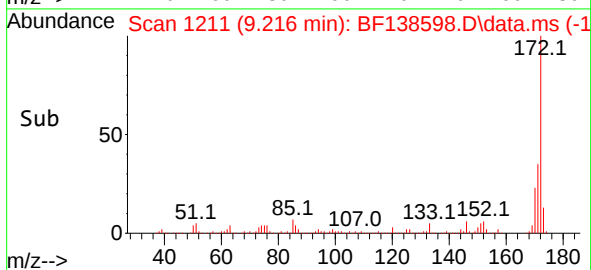
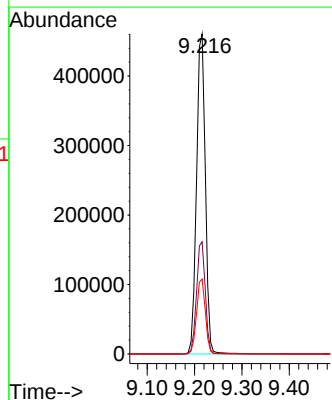
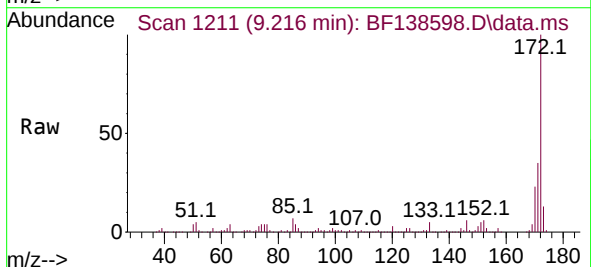
Reviewed By :Yogesh Patel 07/20/2024

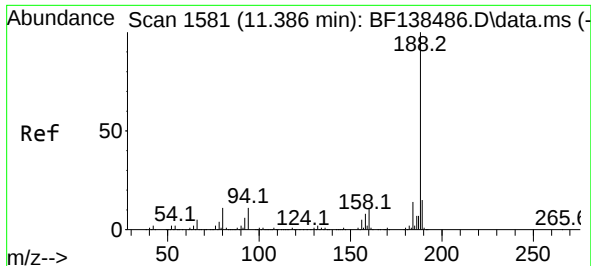
Supervised By :mohammad ahmed 07/22/2024



#45
2-Fluorobiphenyl
Concen: 71.162 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

Tgt Ion:172 Resp: 597204
Ion Ratio Lower Upper
172 100
171 35.1 28.9 43.3
170 23.4 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1137
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

Instrument :

BNA_F

ClientSampleId :

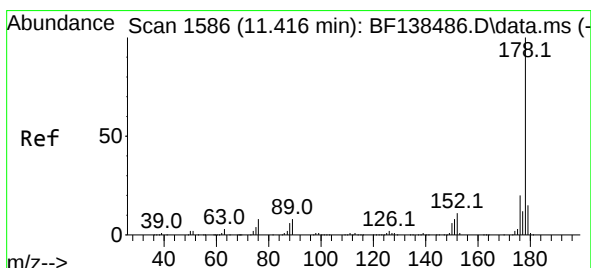
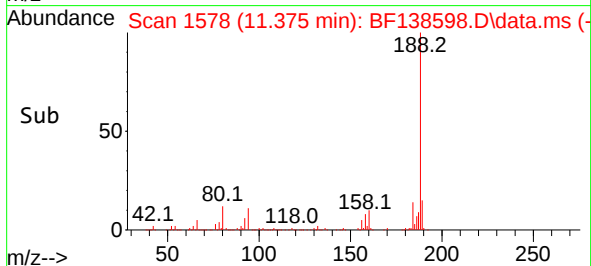
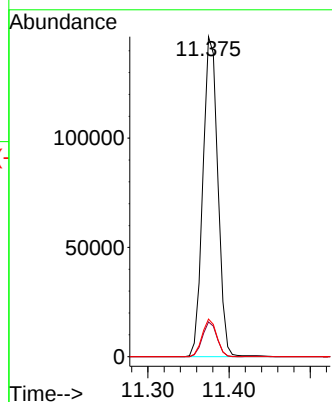
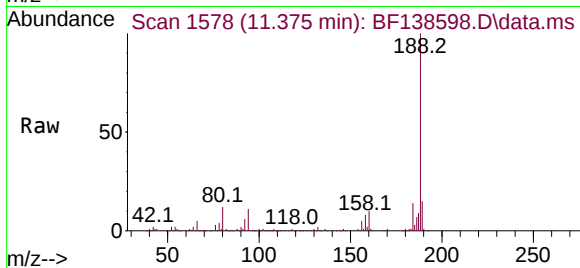
HR-3-071724

Tgt Ion:188 Resp: 187414
Ion Ratio Lower Upper
188 100
94 10.8 8.7 13.1
80 11.7 9.0 13.4

Manual Integrations

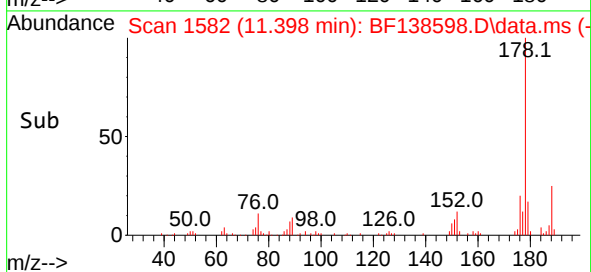
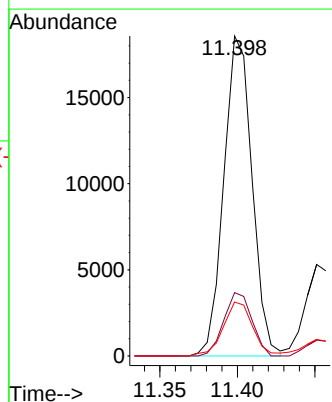
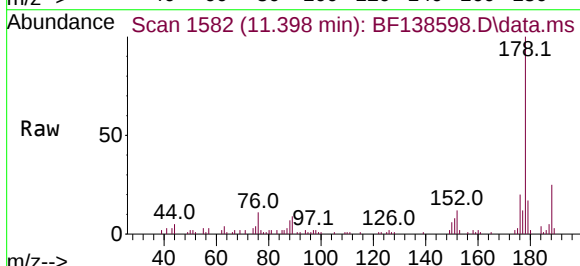
APPROVED

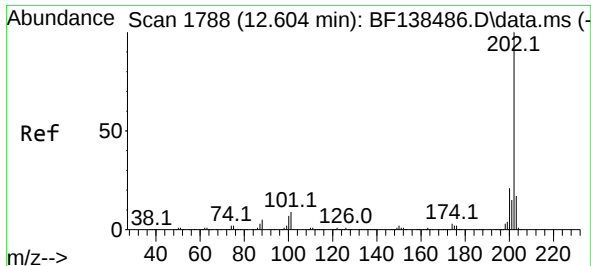
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#71
Phenanthrene
Concen: 2.482 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.017 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

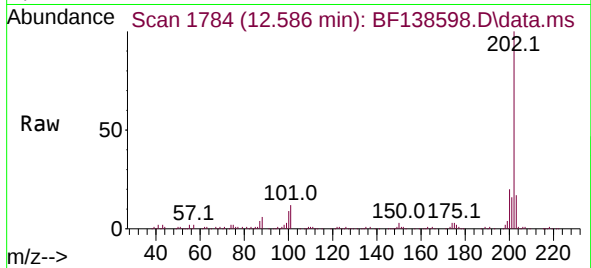
Tgt Ion:178 Resp: 23504
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 16.8 12.2 18.2





#75
Fluoranthene
Concen: 9.974 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

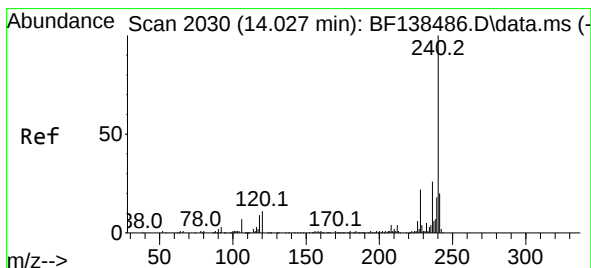
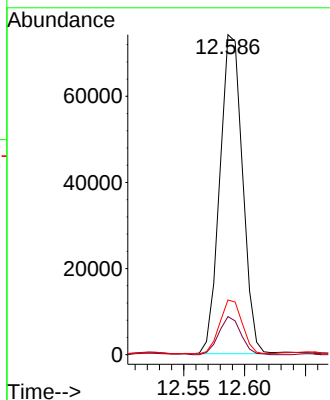
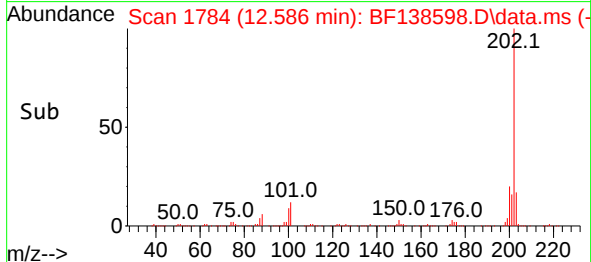
Instrument :
BNA_F
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HR-3-071724



Tgt Ion:202 Resp: 96360
Ion Ratio Lower Upper
202 100
101 11.9 0.0 29.2
203 17.1 0.0 37.3

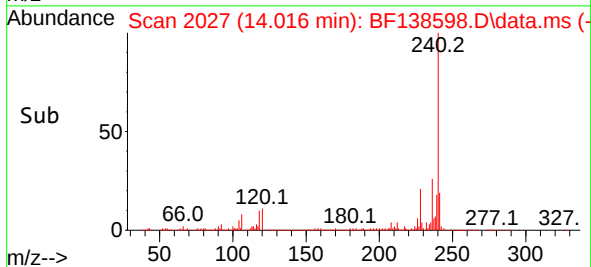
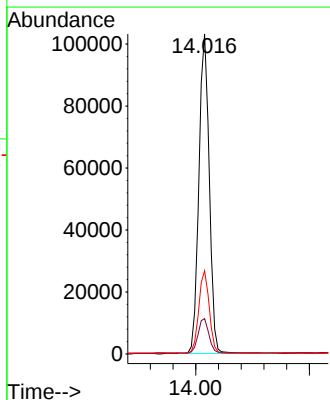
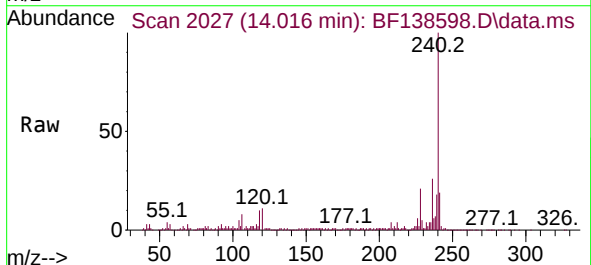
Manual Integrations
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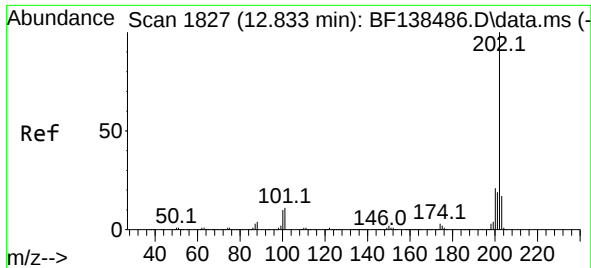
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

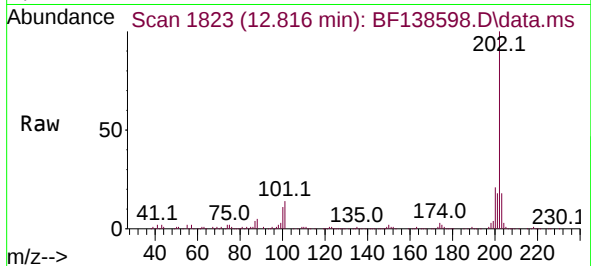
Tgt Ion:240 Resp: 130977
Ion Ratio Lower Upper
240 100
120 11.1 8.6 12.8
236 26.0 21.0 31.6





#78
Pyrene
Concen: 8.662 ng
RT: 12.816 min Scan# 1823
Delta R.T. -0.017 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33

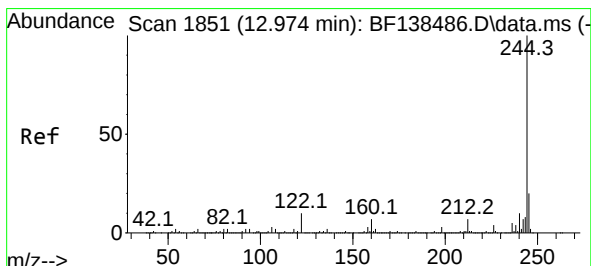
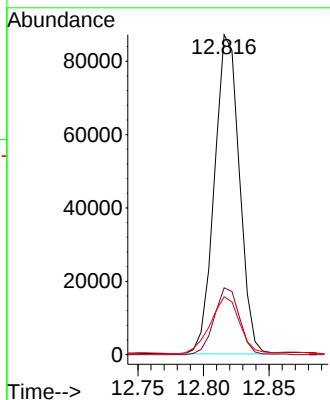
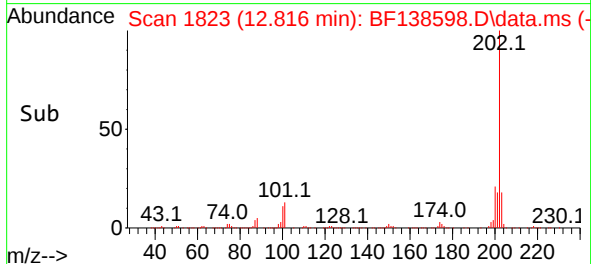
Instrument :
BNA_F
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HR-3-071724



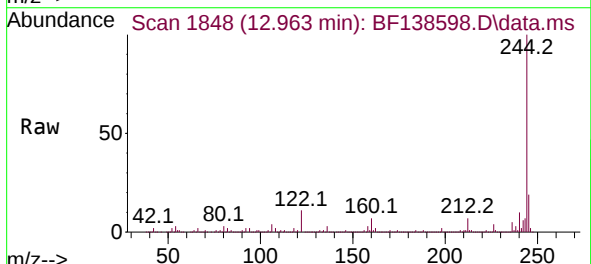
Tgt Ion:202 Resp: 11516
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 18.1 13.7 20.5

Manual Integrations
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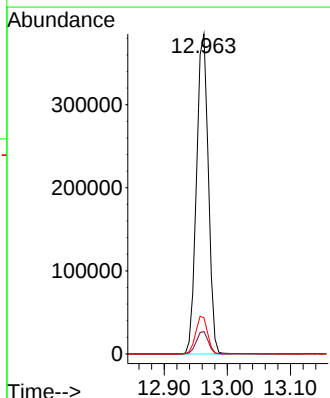
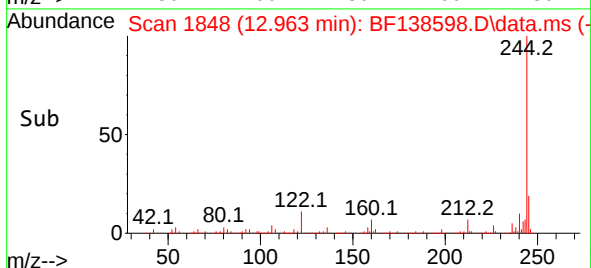
Reviewed By :Yogesh Patel 07/20/2024
Supervised By :mohammad ahmed 07/22/2024

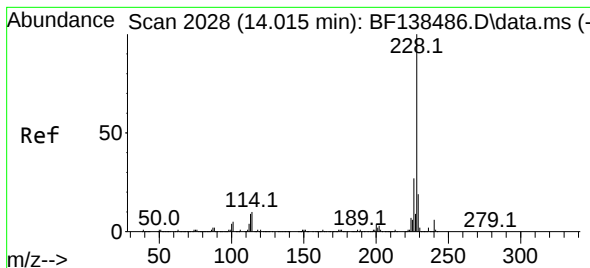


#79
Terphenyl-d14
Concen: 62.152 ng
RT: 12.963 min Scan# 1848
Delta R.T. -0.011 min
Lab File: BF138598.D
Acq: 19 Jul 2024 19:33



Tgt Ion:244 Resp: 499685
Ion Ratio Lower Upper
244 100
212 7.0 5.5 8.3
122 11.3 7.8 11.8





#81

Benzo(a)anthracene

Concen: 6.924 ng

RT: 14.004 min Scan# 2028

Delta R.T. -0.011 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

Instrument :

BNA_F

ClientSampleId :

HR-3-071724

Tgt Ion:228 Resp: 6085

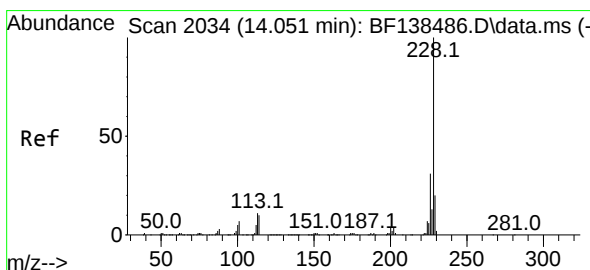
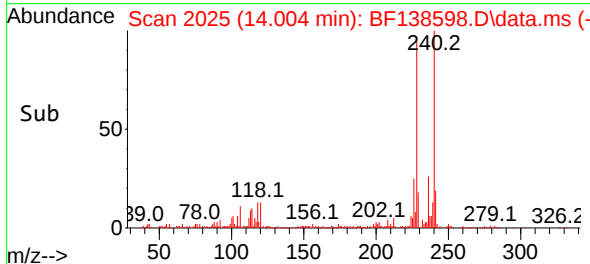
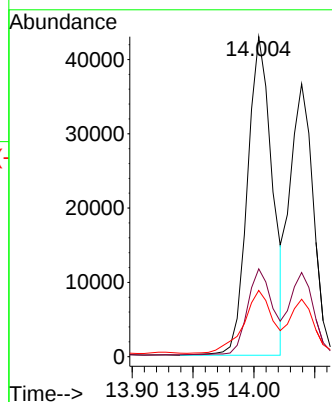
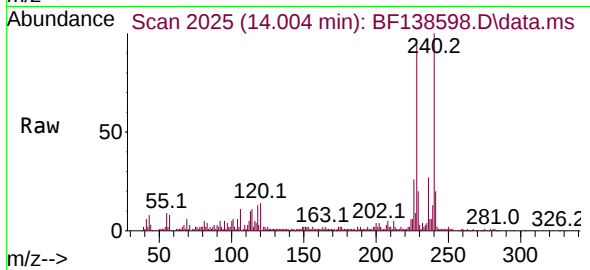
Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.9	32.9
229	20.7	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/20/2024

Supervised By :mohammad ahmed 07/22/2024



#83

Chrysene

Concen: 5.806 ng

RT: 14.039 min Scan# 2031

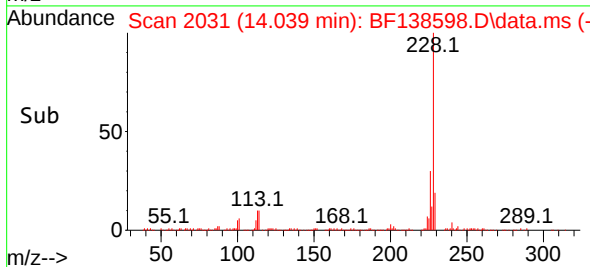
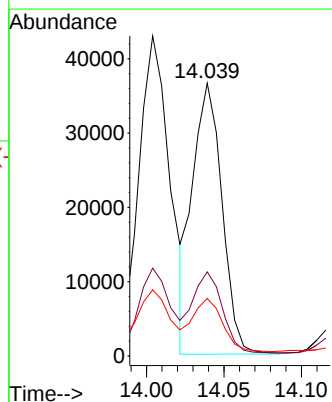
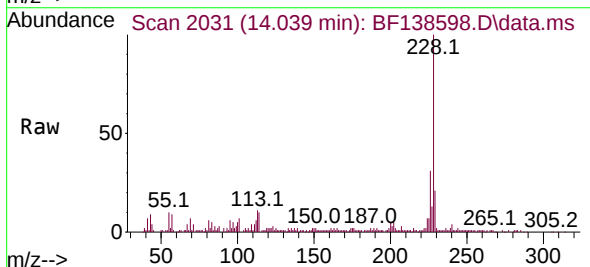
Delta R.T. -0.011 min

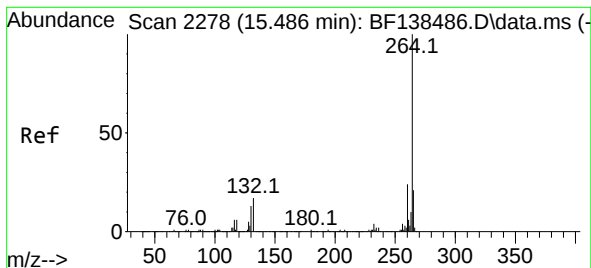
Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

Tgt Ion:228 Resp: 48268

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	21.0	16.0	24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

Instrument :

BNA_F

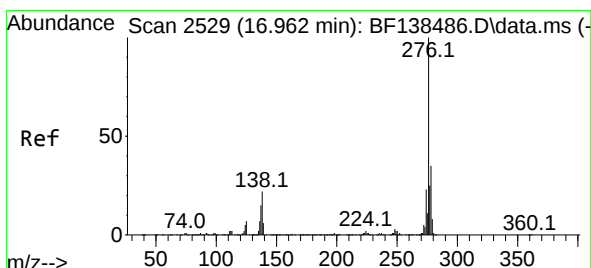
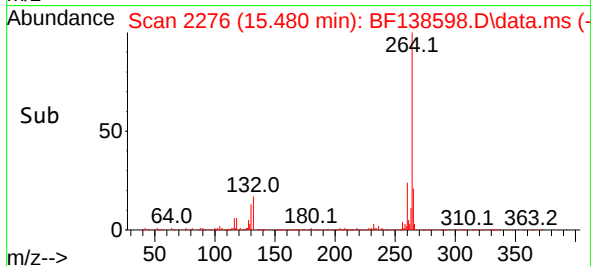
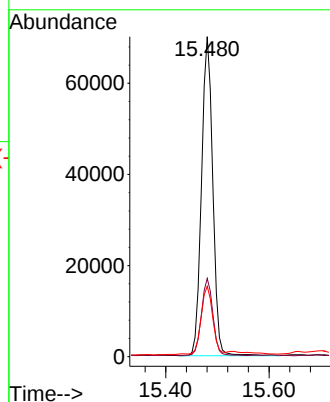
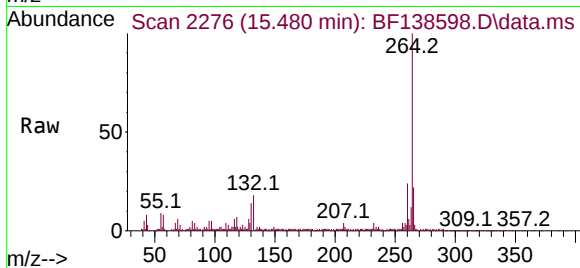
ClientSampleId :

HR-3-071724

Tgt Ion:264 Resp: 10586
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.0 28.6
 265 22.0 17.0 25.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/20/2024
 Supervised By :mohammad ahmed 07/22/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.618 ng

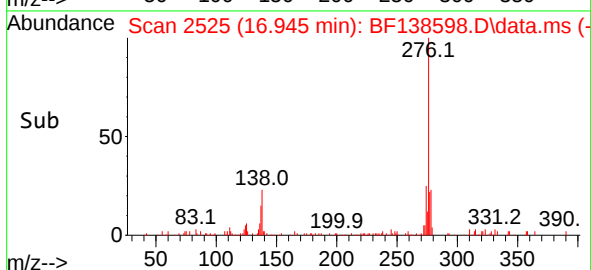
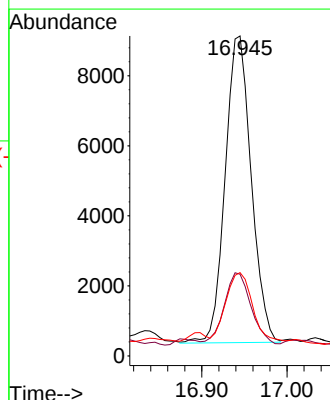
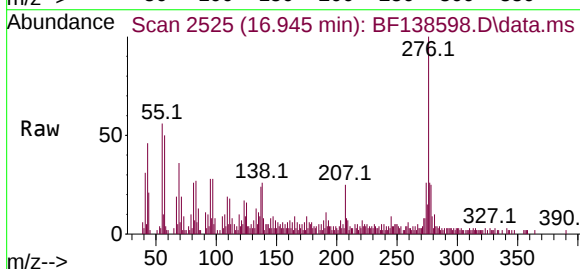
RT: 16.945 min Scan# 2525

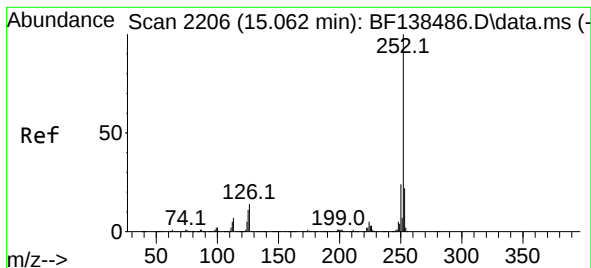
Delta R.T. -0.017 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

Tgt Ion:276 Resp: 18619
 Ion Ratio Lower Upper
 276 100
 138 24.3 19.6 29.4
 277 22.5 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 7.955 ng m

RT: 15.051 min Scan# 2206

Delta R.T. -0.011 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

Instrument :

BNA_F

ClientSampleId :

HR-3-071724

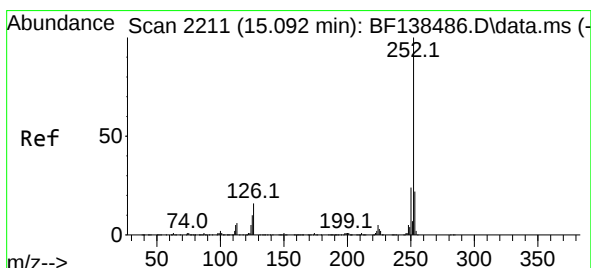
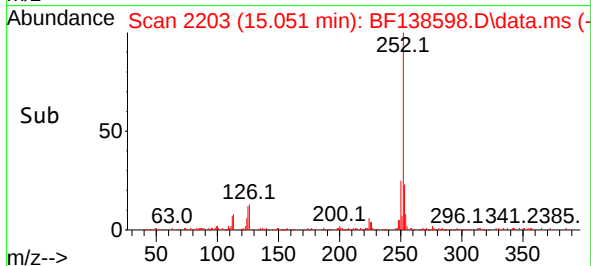
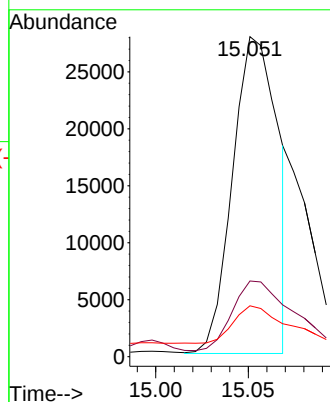
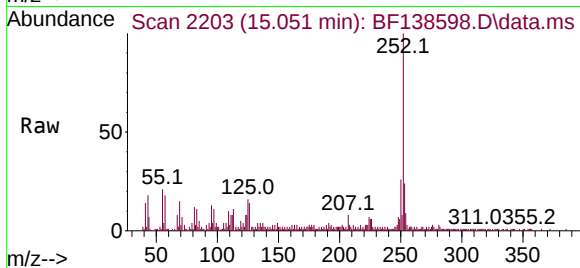
Tgt Ion:252 Resp: 47429
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.3 25.9
 125 15.9 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/20/2024

Supervised By :mohammad ahmed 07/22/2024



#89

Benzo(k)fluoranthene

Concen: 2.729 ng m

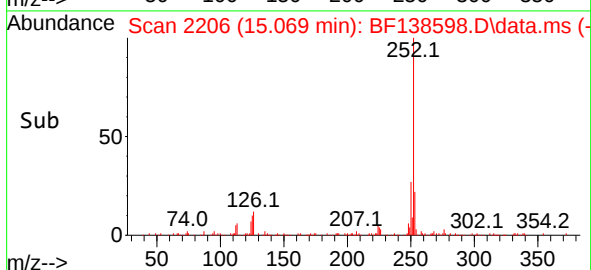
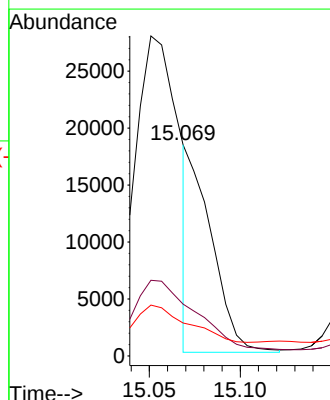
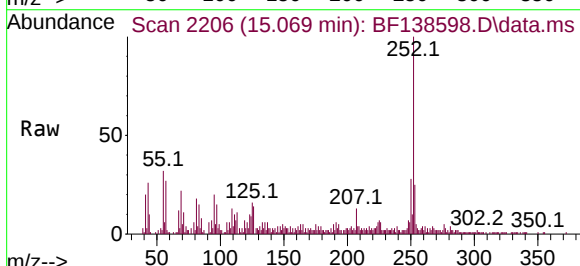
RT: 15.069 min Scan# 2206

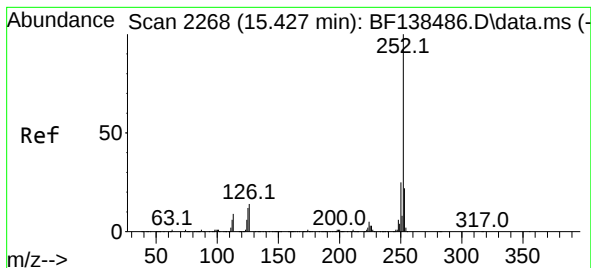
Delta R.T. -0.023 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

Tgt Ion:252 Resp: 15867
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.7 26.5
 125 15.6 8.1 12.1





#90

Benzo(a)pyrene

Concen: 6.714 ng

RT: 15.416 min Scan# 21

Delta R.T. -0.011 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

Instrument :

BNA_F

ClientSampleId :

HR-3-071724

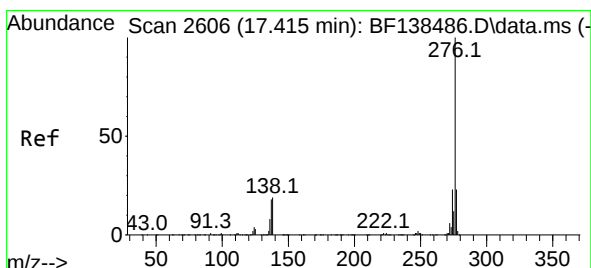
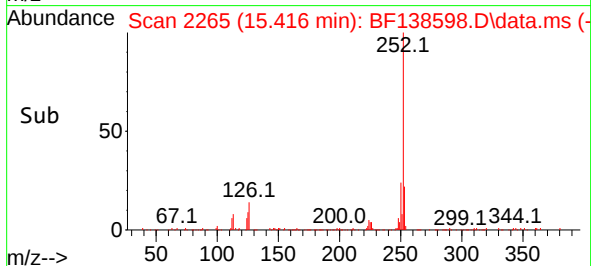
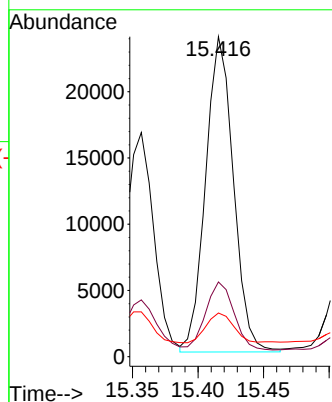
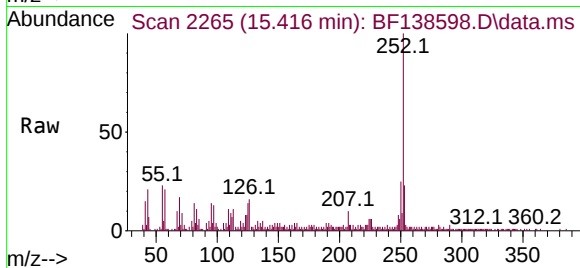
Tgt Ion:	252	Resp:	3516
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.4	26.0
125	13.6	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/20/2024

Supervised By :mohammad ahmed 07/22/2024



#92

Benzo(g,h,i)perylene

Concen: 3.289 ng

RT: 17.386 min Scan# 2600

Delta R.T. -0.029 min

Lab File: BF138598.D

Acq: 19 Jul 2024 19:33

Tgt Ion:	276	Resp:	20286
Ion Ratio	Lower	Upper	
276	100		
277	28.9	18.0	27.0#
138	23.4	15.5	23.3#

