

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072524\
 Data File : BF138658.D
 Acq On : 25 Jul 2024 17:50
 Operator : RC/JU
 Sample : P3357-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-857-J-SO-1-1.5-072024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
 Supervised By :mohammad ahmed 07/27/2024

Quant Time: Jul 25 18:25:58 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	74441	20.000	ng	-0.02
21) Naphthalene-d8	8.134	136	306628	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	164183	20.000	ng	-0.02
64) Phenanthrene-d10	11.369	188	254481	20.000	ng	-0.02
76) Chrysene-d12	14.010	240	129642	20.000	ng	-0.02
86) Perylene-d12	15.468	264	148453	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	374277	79.629	ng	-0.01
7) Phenol-d6	6.487	99	505116	80.783	ng	-0.02
23) Nitrobenzene-d5	7.416	82	325158	52.065	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	110100	71.752	ng	-0.02
45) 2-Fluorobiphenyl	9.204	172	537416	51.158	ng	-0.02
79) Terphenyl-d14	12.951	244	369358	46.415	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	195710	15.223	ng	100
72) Anthracene	11.445	178	39843	3.122	ng	99
75) Fluoranthene	12.580	202	216081	16.471	ng	98
78) Pyrene	12.810	202	170112	12.926	ng	98
81) Benzo(a)anthracene	13.998	228	78000	8.967	ng	98
83) Chrysene	14.033	228	65186	7.921	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	26443	2.652	ng	97
88) Benzo(b)fluoranthene	15.045	252	95632m	11.439	ng	
89) Benzo(k)fluoranthene	15.063	252	27660m	3.392	ng	
90) Benzo(a)pyrene	15.410	252	59633	8.120	ng	99
92) Benzo(g,h,i)perylene	17.368	276	24431	2.825	ng	# 94

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

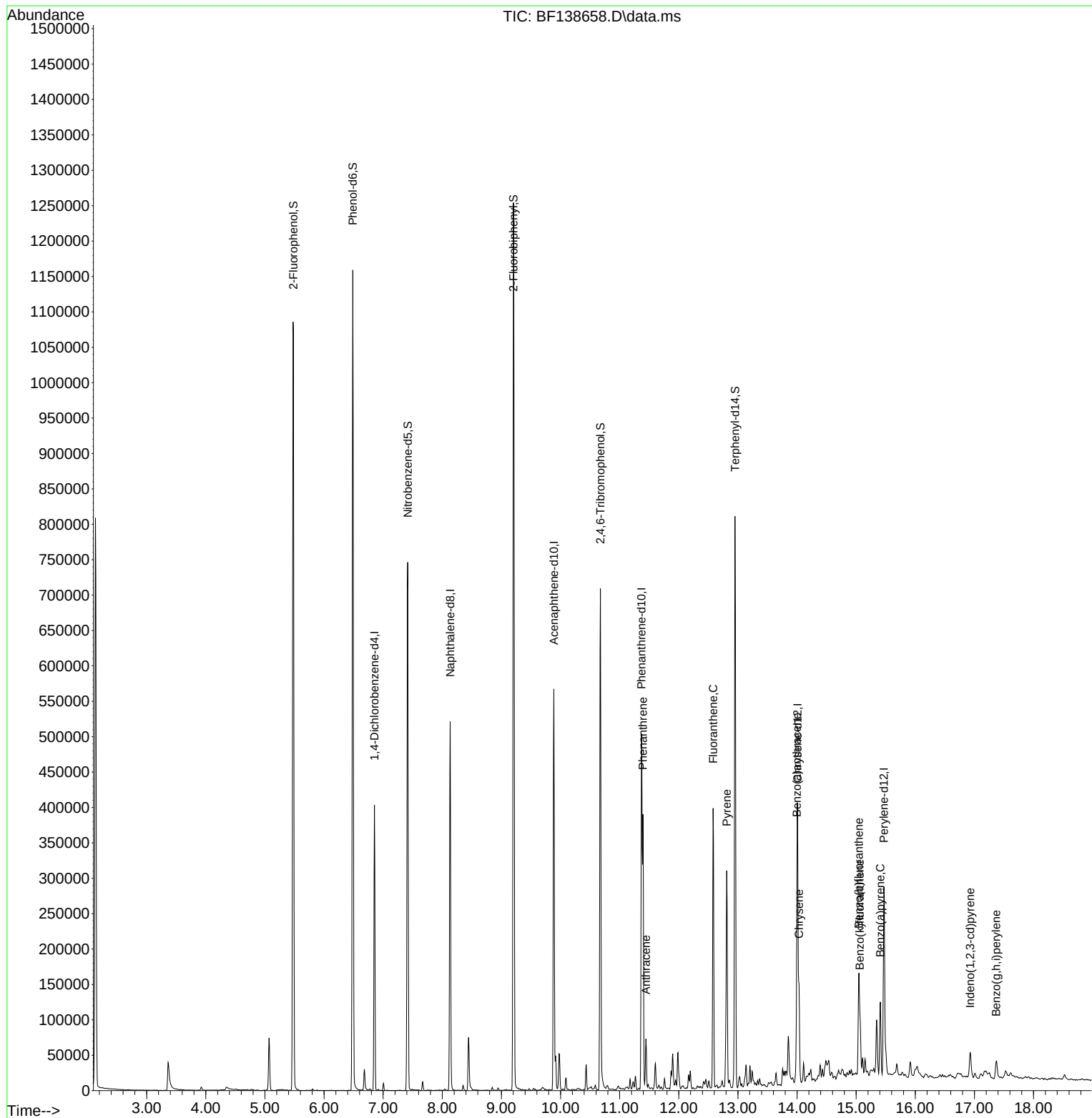
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072524\
Data File : BF138658.D
Acq On : 25 Jul 2024 17:50
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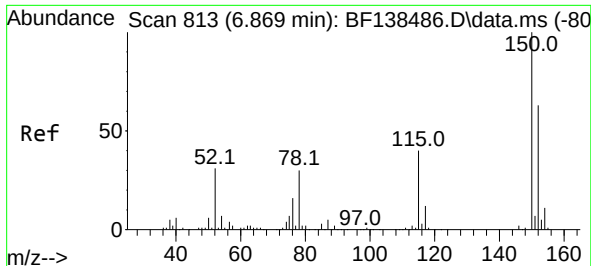
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1-1.5-072024

Quant Time: Jul 25 18:25:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
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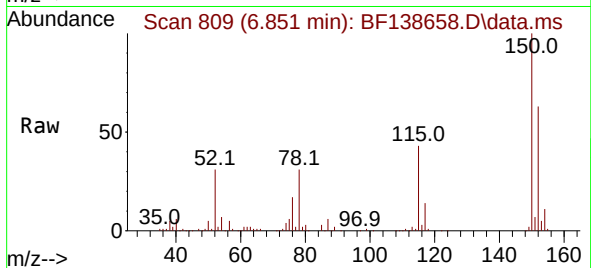
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.018 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

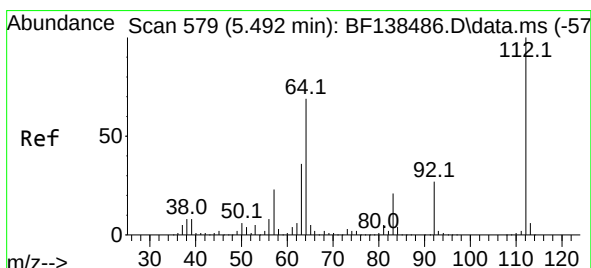
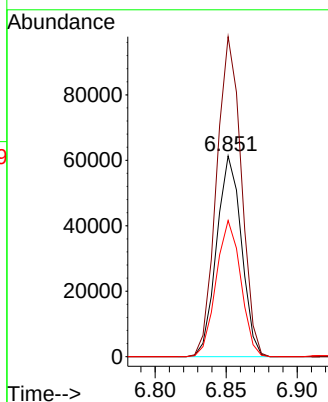
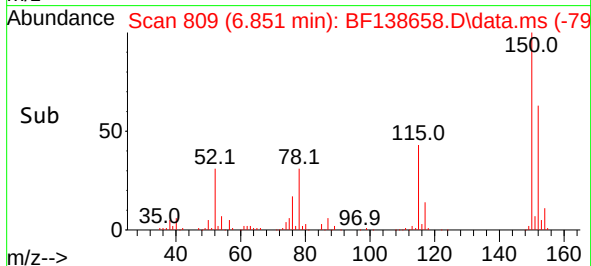
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1-1.5-072024



Tgt Ion:152 Resp: 7444
Ion Ratio Lower Upper
152 100
150 159.4 126.2 189.4
115 67.9 50.3 75.5

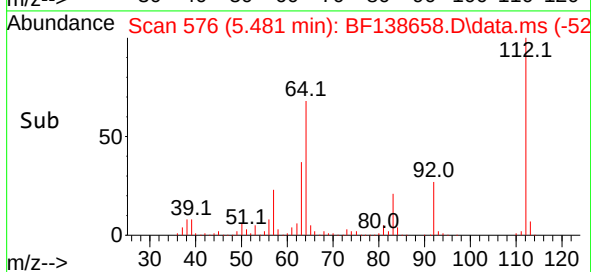
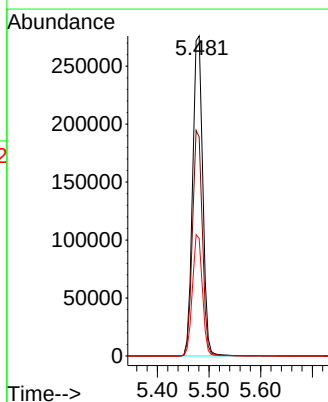
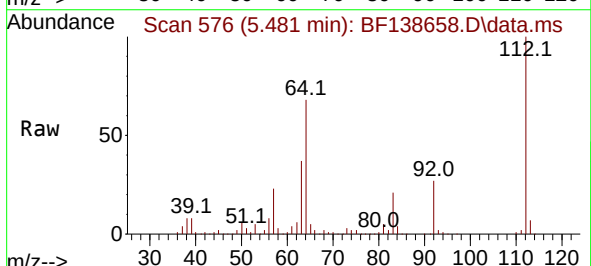
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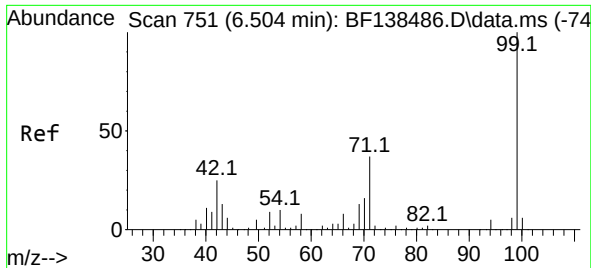
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#5
2-Fluorophenol
Concen: 79.629 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

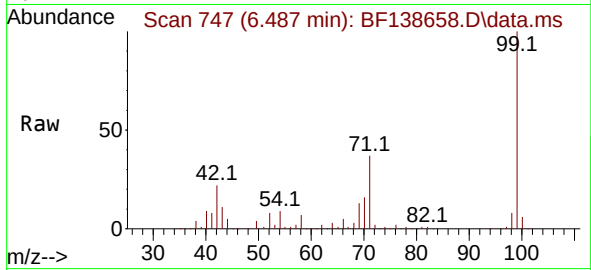
Tgt Ion:112 Resp: 374277
Ion Ratio Lower Upper
112 100
64 68.5 55.1 82.7
63 36.7 29.0 43.6





#7
Phenol-d6
Concen: 80.783 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.017 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

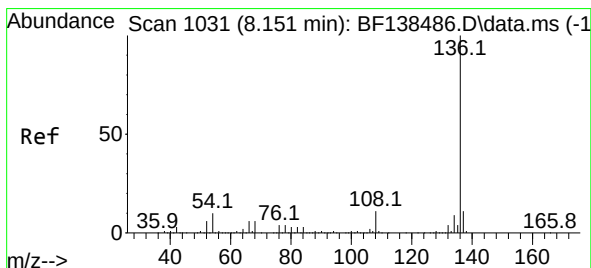
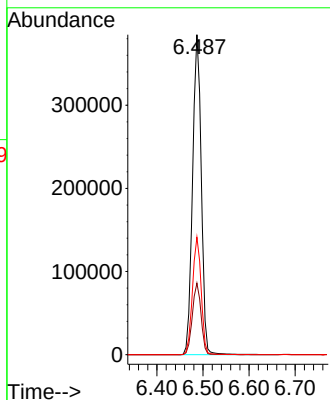
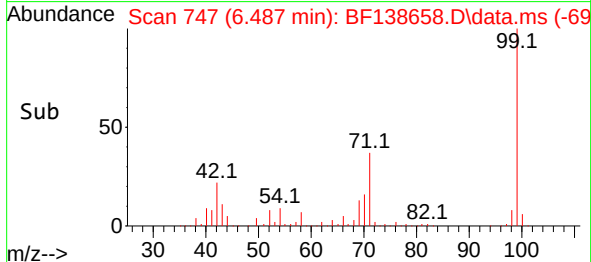
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1-1.5-072024



Tgt Ion: 99 Resp: 505110
Ion Ratio Lower Upper
99 100
42 22.3 19.7 29.5
71 36.7 29.9 44.9

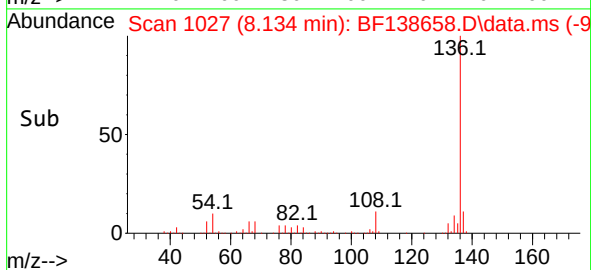
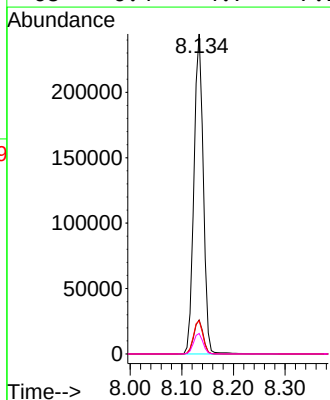
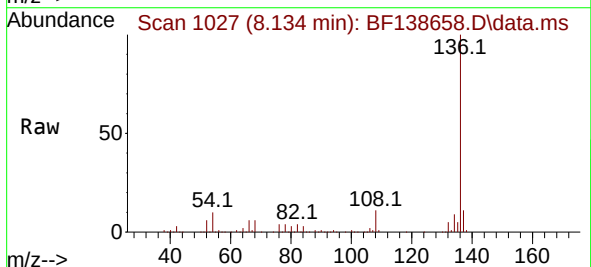
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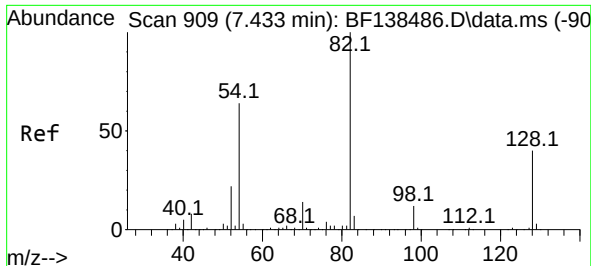
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. -0.017 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

Tgt Ion:136 Resp: 306628
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.4 8.1 12.1
68 6.4 4.7 7.1





#23

Nitrobenzene-d5

Concen: 52.065 ng

RT: 7.416 min Scan# 909

Delta R.T. -0.017 min

Lab File: BF138658.D

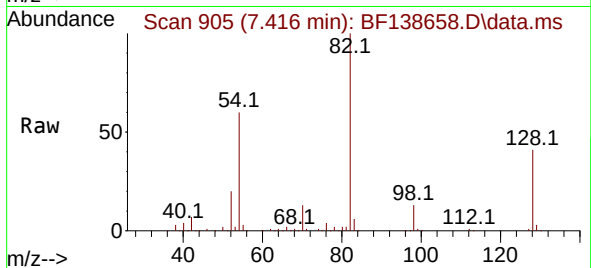
Acq: 25 Jul 2024 17:50

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-1-1.5-072024



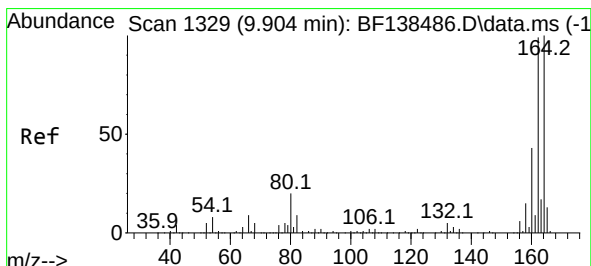
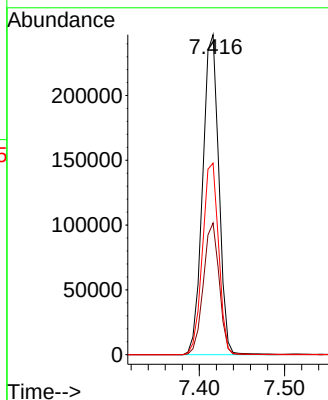
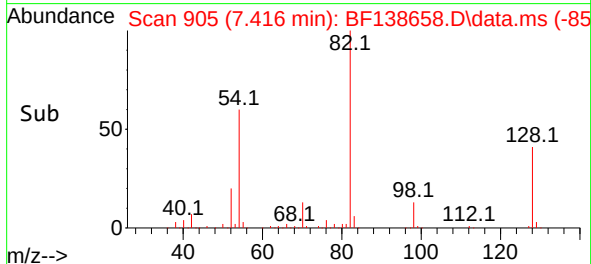
Tgt Ion: 82 Resp: 325158

Ion	Ratio	Lower	Upper
82	100		
128	41.1	32.3	48.5
54	59.8	51.4	77.0

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Supervised By :mohammad ahmed 07/27/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1325

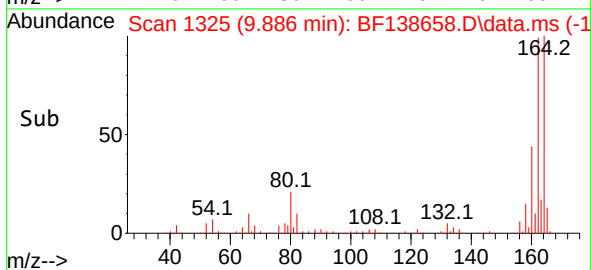
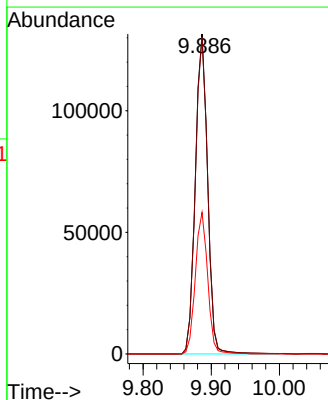
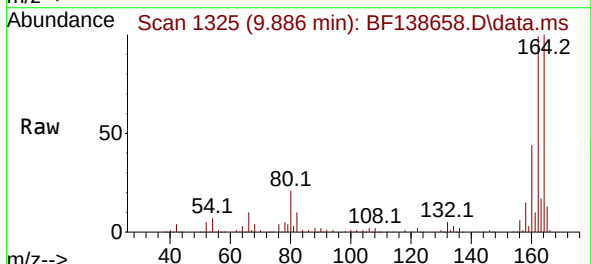
Delta R.T. -0.017 min

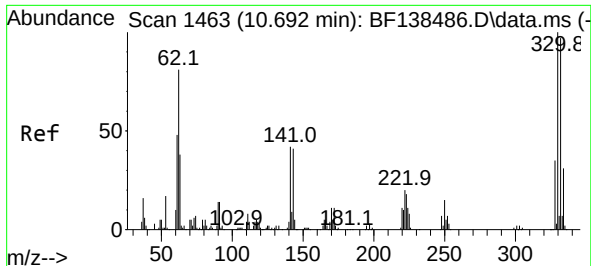
Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

Tgt Ion:164 Resp: 164183

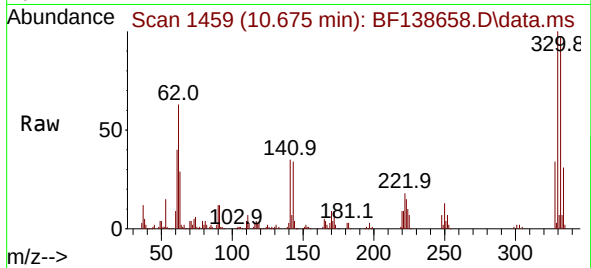
Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.0	118.6
160	44.2	34.4	51.6





#42
2,4,6-Tribromophenol
Concen: 71.752 ng
RT: 10.675 min Scan# 1463
Delta R.T. -0.017 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

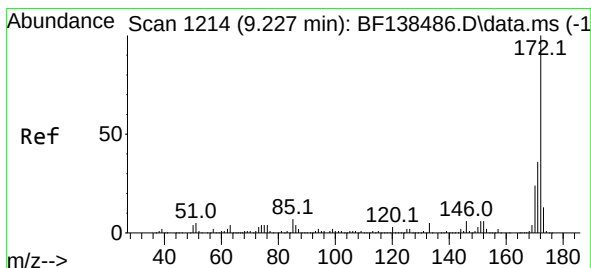
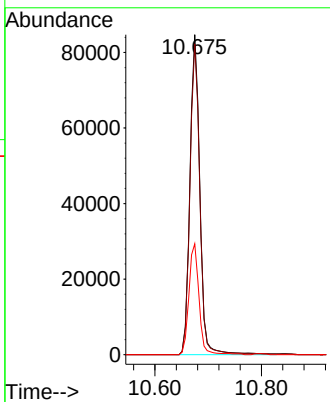
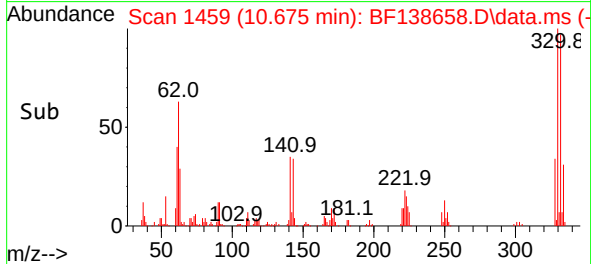
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1-1.5-072024



Tgt Ion: 330 Resp: 110100
Ion Ratio Lower Upper
330 100
332 96.7 76.8 115.2
141 35.3 29.4 44.2

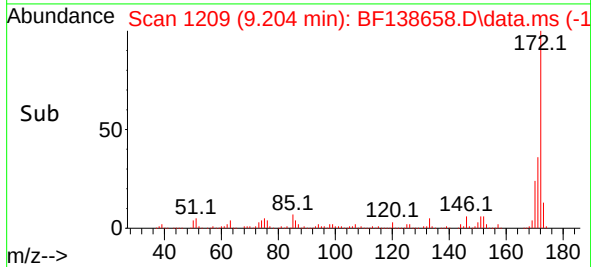
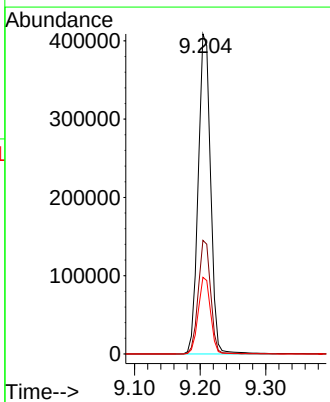
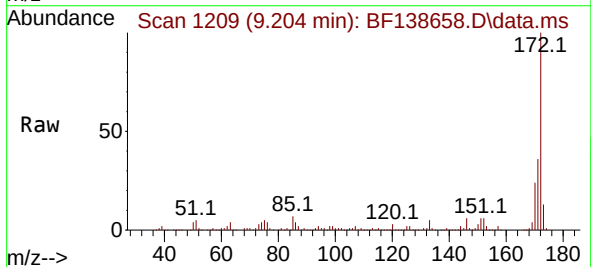
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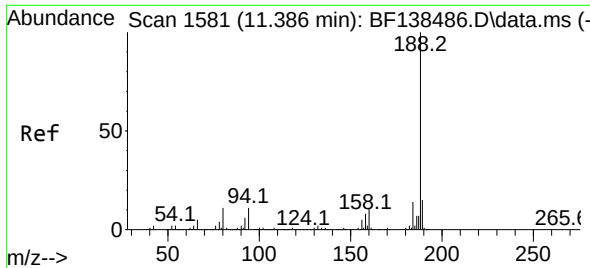
Reviewed By : Jagrut Upadhyay 07/26/2024
Supervised By : mohammad ahmed 07/27/2024



#45
2-Fluorobiphenyl
Concen: 51.158 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.023 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

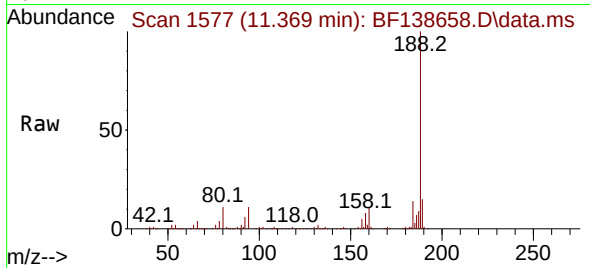
Tgt Ion: 172 Resp: 537416
Ion Ratio Lower Upper
172 100
171 35.5 28.9 43.3
170 23.9 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

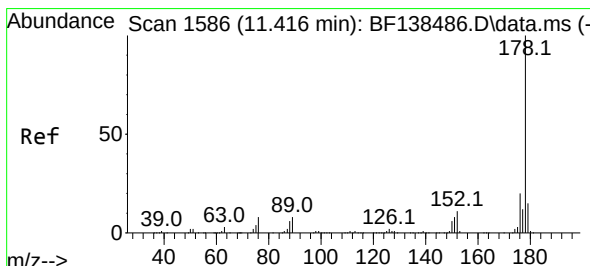
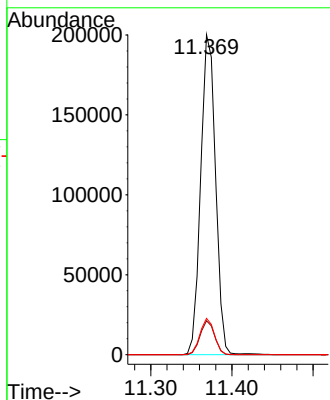
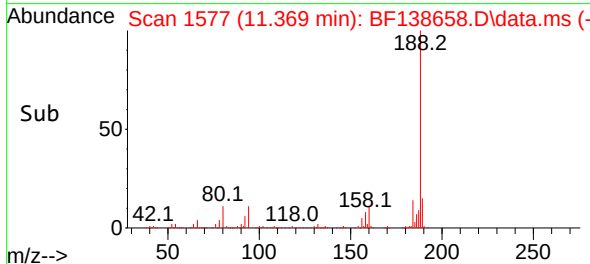
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1-1.5-072024



Tgt Ion:188 Resp: 25448
Ion Ratio Lower Upper
188 100
94 10.6 8.7 13.1
80 11.4 9.0 13.4

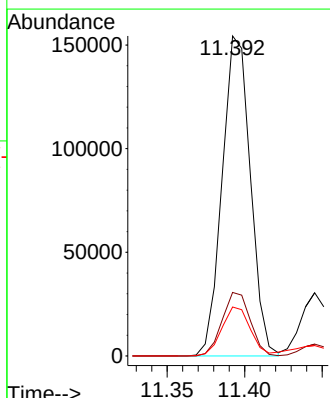
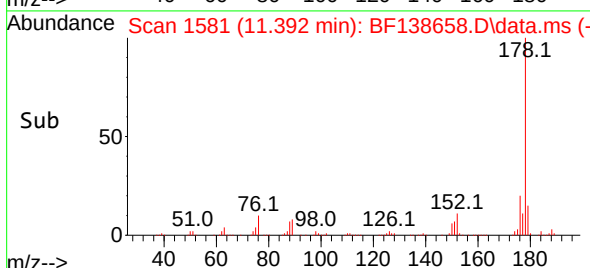
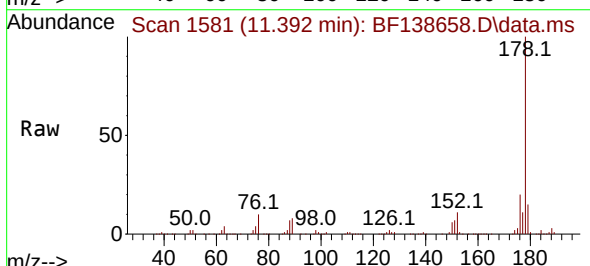
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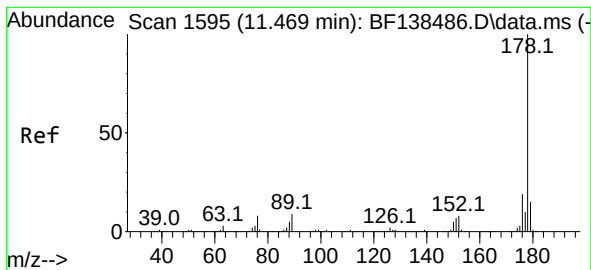
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#71
Phenanthrene
Concen: 15.223 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.023 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

Tgt Ion:178 Resp: 195710
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 15.3 12.2 18.2





#72

Anthracene

Concen: 3.122 ng

RT: 11.445 min Scan# 11

Delta R.T. -0.023 min

Lab File: BF138658.D

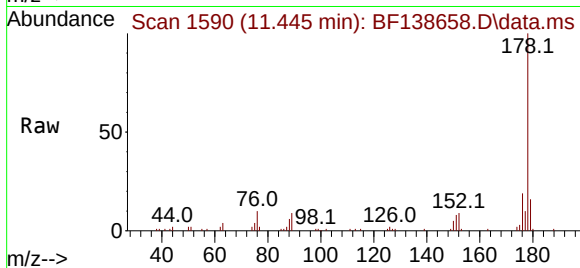
Acq: 25 Jul 2024 17:50

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-1-1.5-072024



Tgt Ion:178 Resp: 3984

Ion Ratio Lower Upper

178 100

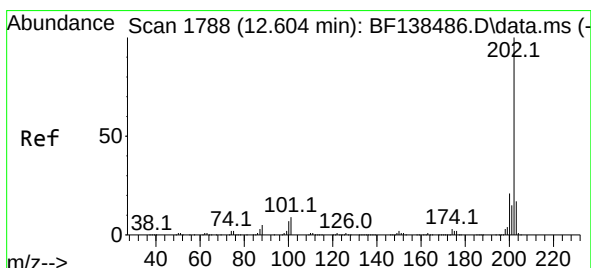
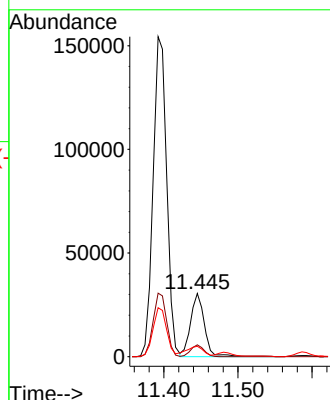
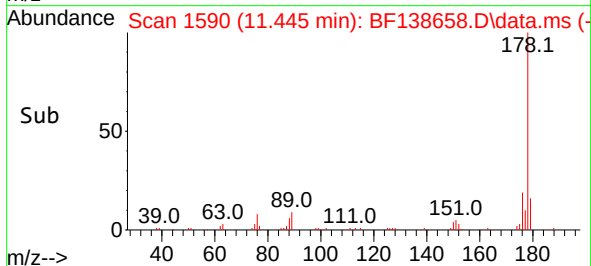
176 18.7 14.8 22.2

179 16.4 12.2 18.4

Manual Integrations

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Supervised By :mohammad ahmed 07/27/2024



#75

Fluoranthene

Concen: 16.471 ng

RT: 12.580 min Scan# 1783

Delta R.T. -0.023 min

Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

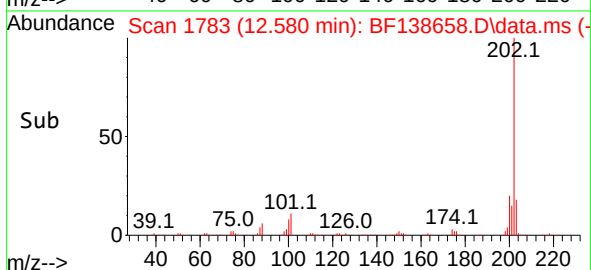
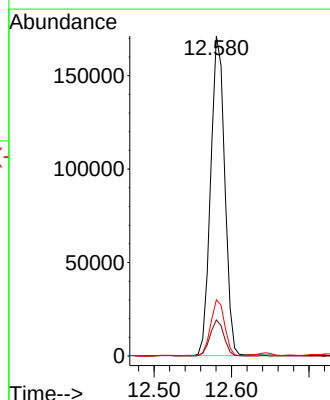
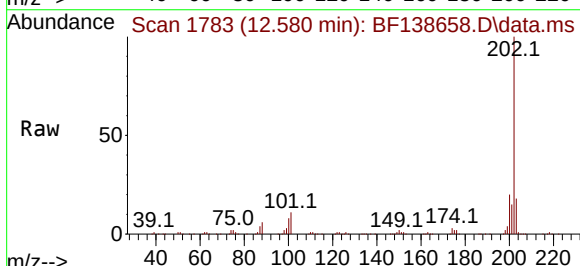
Tgt Ion:202 Resp: 216081

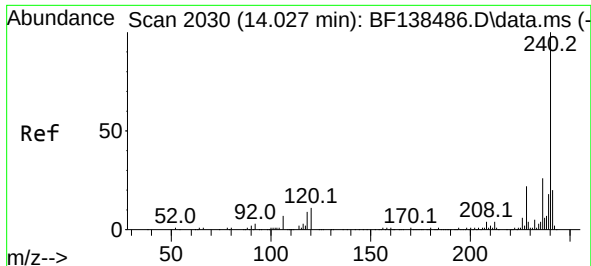
Ion Ratio Lower Upper

202 100

101 11.2 0.0 29.2

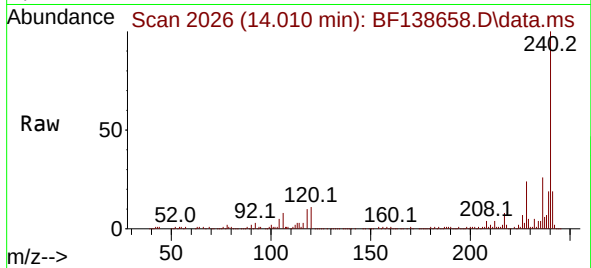
203 17.5 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2030
Delta R.T. -0.017 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

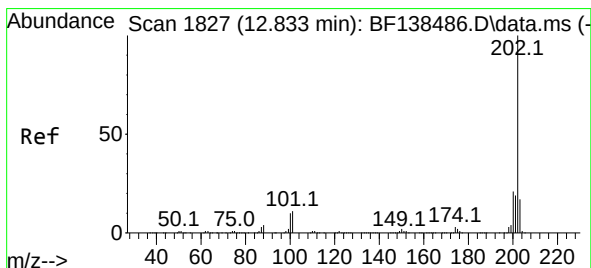
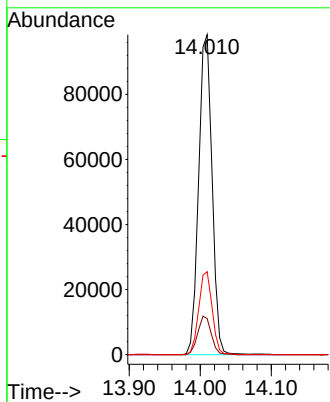
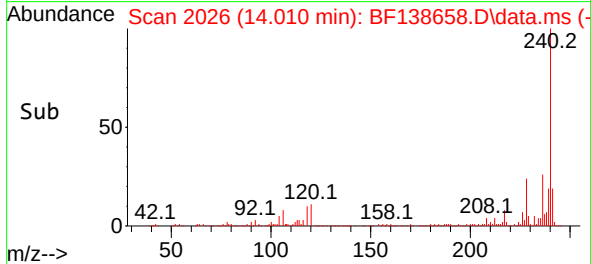
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1-1.5-072024



Tgt Ion:240 Resp: 12964
Ion Ratio Lower Upper
240 100
120 11.3 8.6 12.8
236 25.9 21.0 31.6

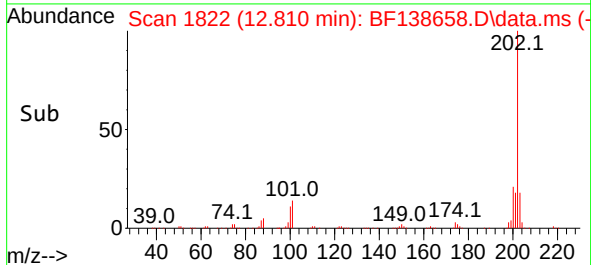
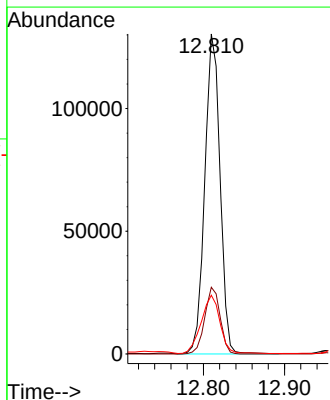
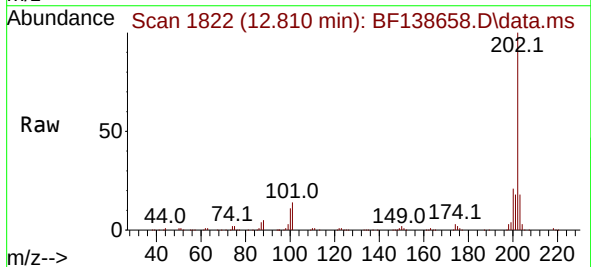
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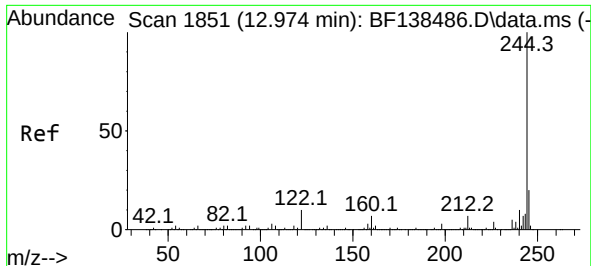
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#78
Pyrene
Concen: 12.926 ng
RT: 12.810 min Scan# 1822
Delta R.T. -0.023 min
Lab File: BF138658.D
Acq: 25 Jul 2024 17:50

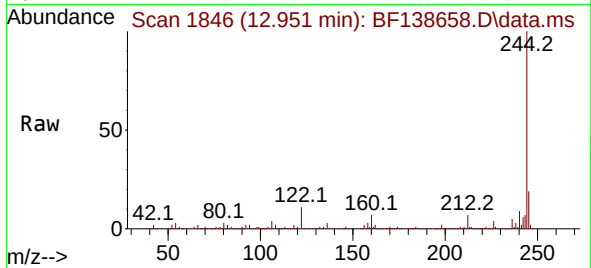
Tgt Ion:202 Resp: 170112
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 18.3 13.7 20.5





#79
 Terphenyl-d14
 Concen: 46.415 ng
 RT: 12.951 min Scan# 1846
 Delta R.T. -0.023 min
 Lab File: BF138658.D
 Acq: 25 Jul 2024 17:50

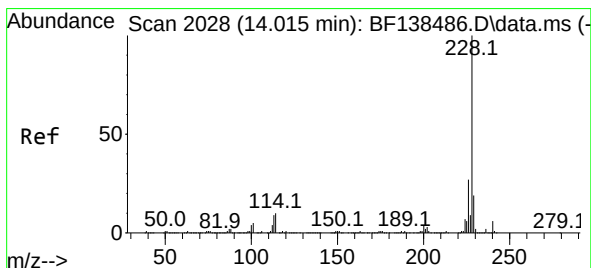
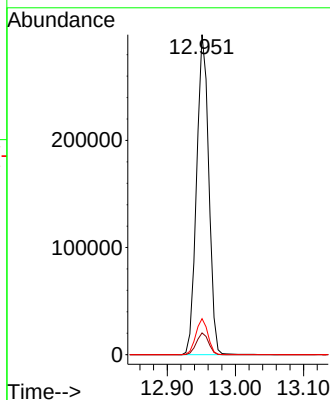
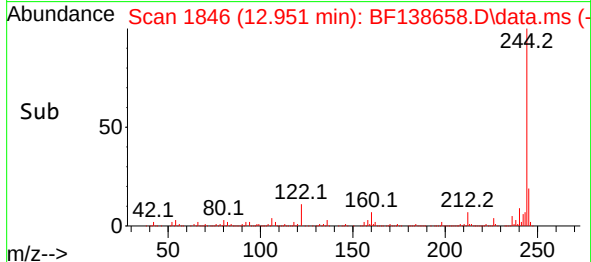
Instrument :
 BNA_F
 ClientSampleId :
 S-857-J-SO-1-1.5-072024



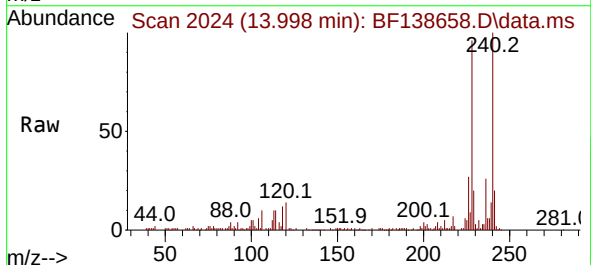
Tgt Ion:244 Resp: 369358
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.3 7.8 11.8

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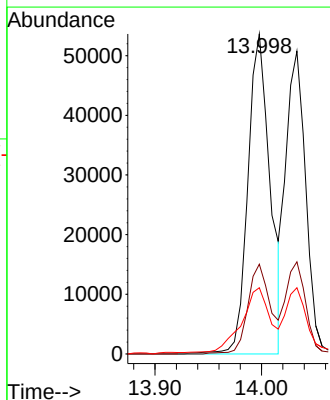
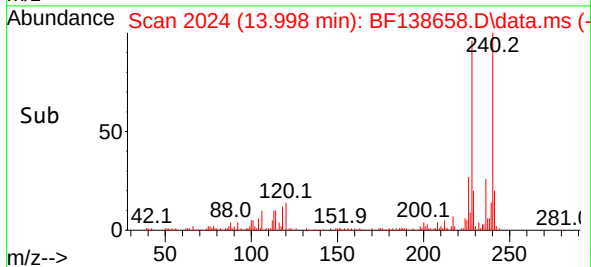
Reviewed By :Jagrut Upadhyay 07/26/2024
 Supervised By :mohammad ahmed 07/27/2024

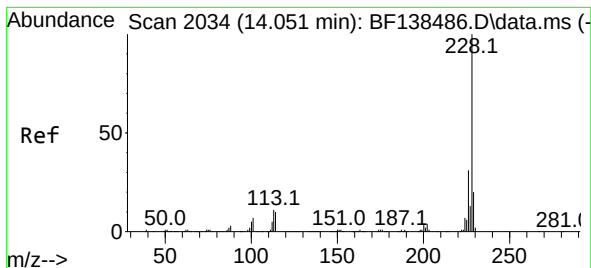


#81
 Benzo(a)anthracene
 Concen: 8.967 ng
 RT: 13.998 min Scan# 2024
 Delta R.T. -0.017 min
 Lab File: BF138658.D
 Acq: 25 Jul 2024 17:50



Tgt Ion:228 Resp: 78000
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.9 32.9
 229 20.7 15.5 23.3





#83

Chrysene

Concen: 7.921 ng

RT: 14.033 min Scan# 2034

Delta R.T. -0.017 min

Lab File: BF138658.D

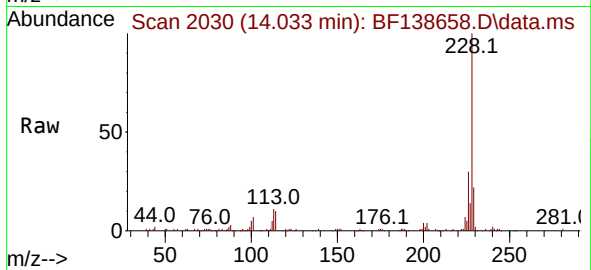
Acq: 25 Jul 2024 17:50

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-1-1.5-072024



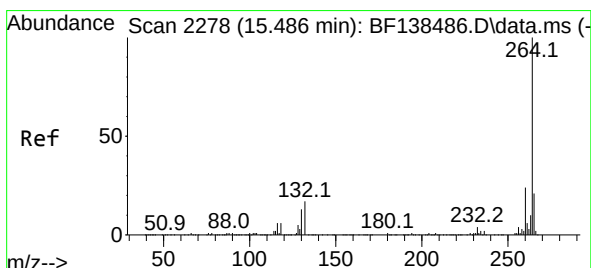
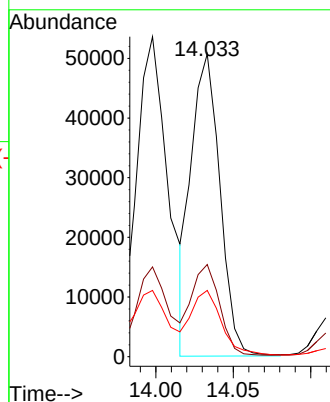
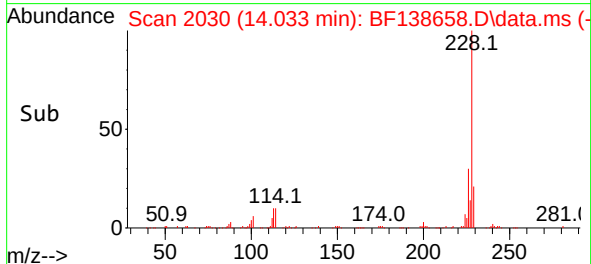
Tgt Ion: 228 Resp: 65180

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6
229	21.9	16.0	24.0

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Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2274

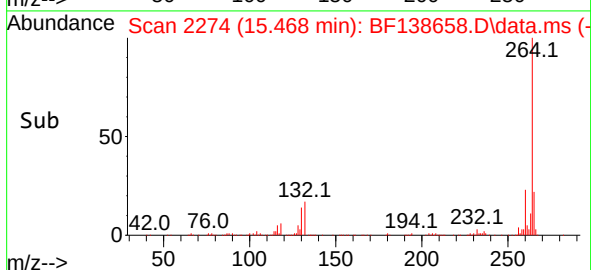
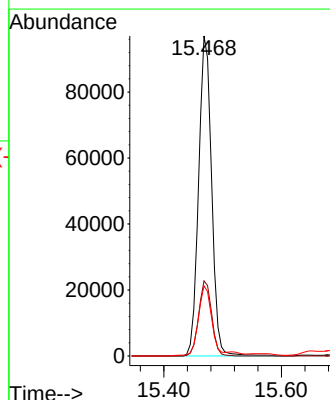
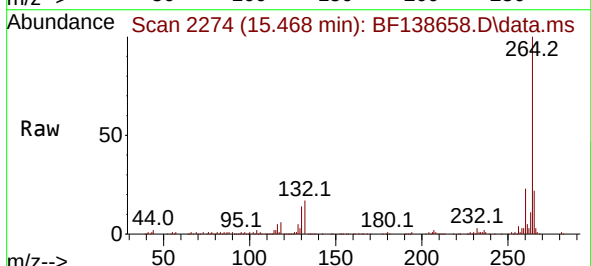
Delta R.T. -0.017 min

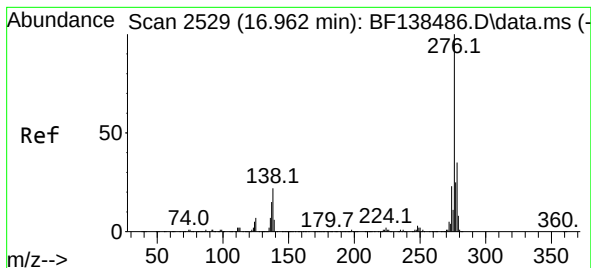
Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

Tgt Ion: 264 Resp: 148453

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.6
265	21.9	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.652 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

Instrument :

BNA_F

ClientSampleId :

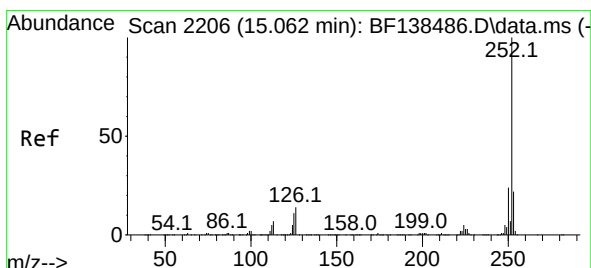
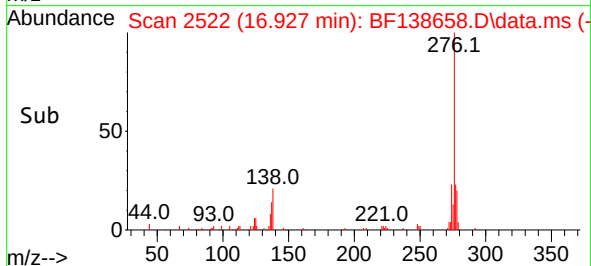
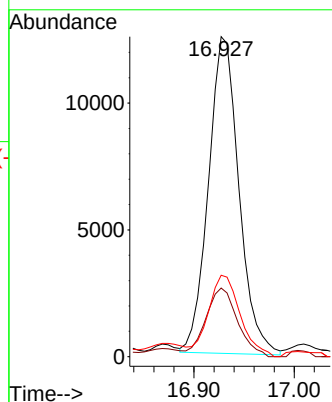
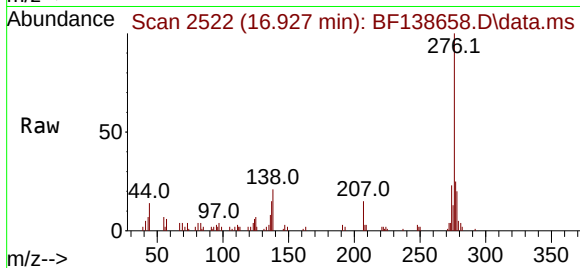
S-857-J-SO-1-1.5-072024

Tgt Ion:	276	Resp:	2644
Ion Ratio	Lower	Upper	
276	100		
138	22.4	19.6	29.4
277	27.0	20.5	30.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#88

Benzo(b)fluoranthene

Concen: 11.439 ng m

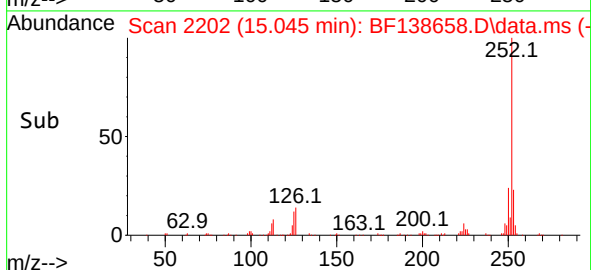
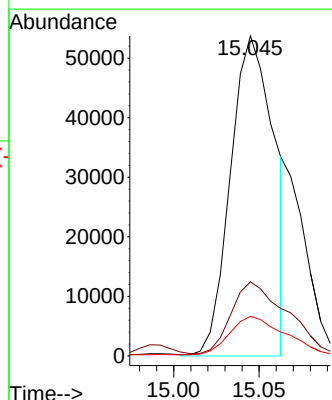
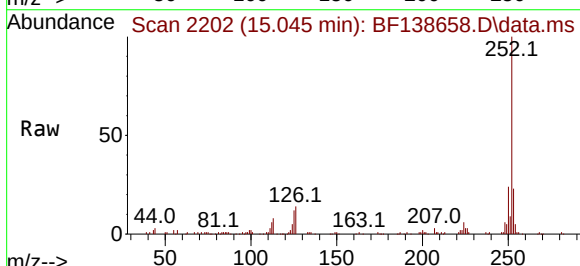
RT: 15.045 min Scan# 2202

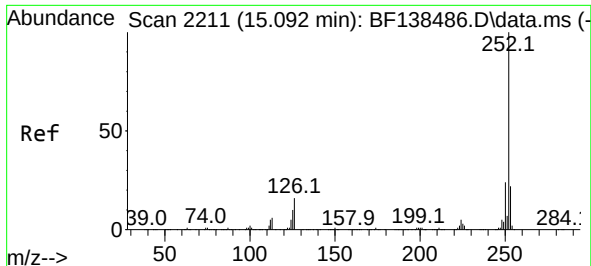
Delta R.T. -0.017 min

Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

Tgt Ion:	252	Resp:	95632
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.3	25.9
125	12.3	8.6	13.0





#89

Benzo(k)fluoranthene

Concen: 3.392 ng m

RT: 15.063 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF138658.D

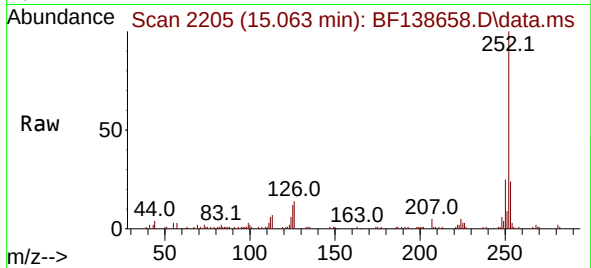
Acq: 25 Jul 2024 17:50

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-1-1.5-072024



Tgt Ion:252 Resp: 27660

Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

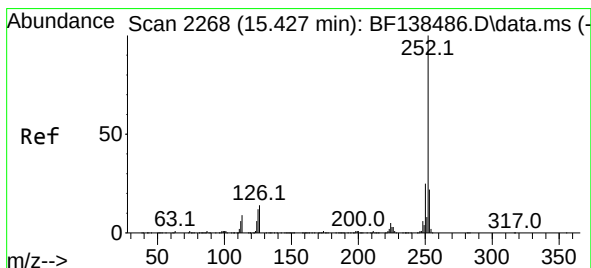
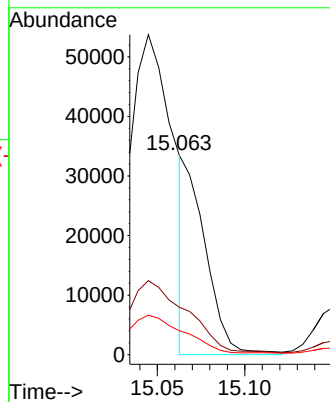
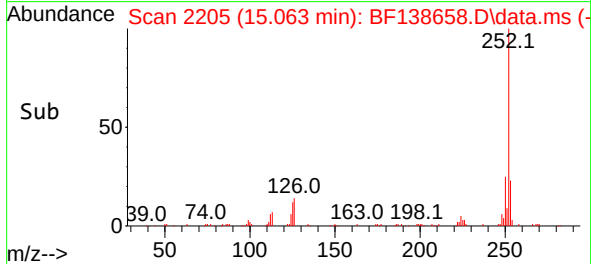
125 12.0 8.1 12.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/26/2024

Supervised By :mohammad ahmed 07/27/2024



#90

Benzo(a)pyrene

Concen: 8.120 ng

RT: 15.410 min Scan# 2264

Delta R.T. -0.017 min

Lab File: BF138658.D

Acq: 25 Jul 2024 17:50

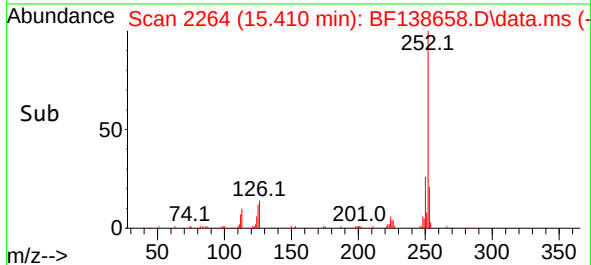
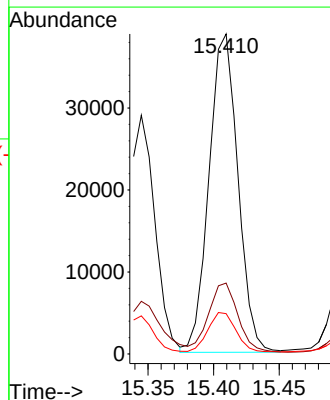
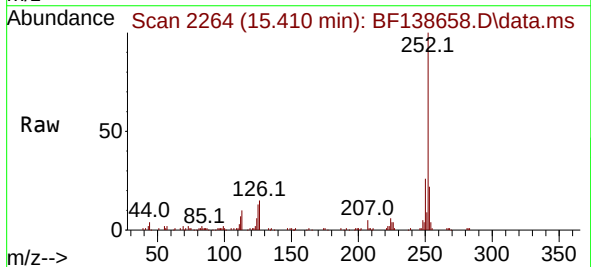
Tgt Ion:252 Resp: 59633

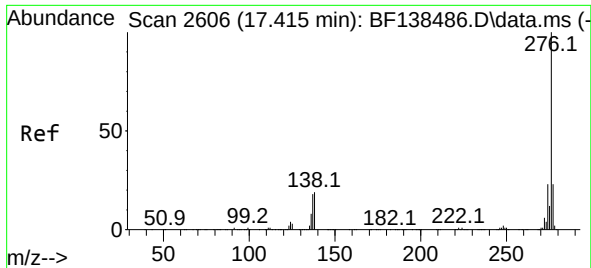
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

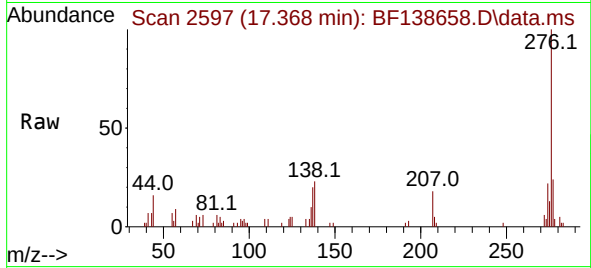
125 12.6 9.4 14.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.825 ng
 RT: 17.368 min Scan# 21
 Delta R.T. -0.047 min
 Lab File: BF138658.D
 Acq: 25 Jul 2024 17:50

Instrument : BNA_F
 ClientSampleId : S-857-J-SO-1-1.5-072024



Tgt Ion: 276 Resp: 2443

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.0	27.0
138	23.4	15.5	23.3

Manual Integrations
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Reviewed By :Jagrut Upadhyay 07/26/2024
 Supervised By :mohammad ahmed 07/27/2024

