

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
 Data File : BF138559.D
 Acq On : 12 Jul 2024 21:39
 Operator : CG\JU
 Sample : P3211-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-07102024

Manual Integrations
 APPROVED

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

Quant Time: Jul 12 23:14:58 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	6.869	152	113186	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	387701	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	153621	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	322010	20.000	ng	0.00
76) Chrysene-d12	14.021	240	181015	20.000	ng	0.00
86) Perylene-d12	15.492	264	162895	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	154682	21.644	ng	0.00
7) Phenol-d6	6.498	99	188669	19.845	ng	0.00
23) Nitrobenzene-d5	7.422	82	107996	13.676	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	31573	21.991	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	181959	18.512	ng	0.00
79) Terphenyl-d14	12.968	244	181908	16.372	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.445	166	21816	2.290	ng	93
71) Phenanthrene	11.410	178	248284	15.262	ng	99
72) Anthracene	11.463	178	67488	4.179	ng	99
75) Fluoranthene	12.598	202	523019	31.507	ng	97
78) Pyrene	12.827	202	485640	26.429	ng	99
81) Benzo(a)anthracene	14.015	228	194046	15.976	ng	96
83) Chrysene	14.051	228	188889	16.439	ng	99
87) Indeno(1,2,3-cd)pyrene	16.962	276	79246	7.243	ng	96
88) Benzo(b)fluoranthene	15.062	252	194621m	21.215	ng	
89) Benzo(k)fluoranthene	15.086	252	64122m	7.167	ng	
90) Benzo(a)pyrene	15.427	252	142909	17.733	ng	# 96
91) Dibenzo(a,h)anthracene	16.974	278	19521	2.181	ng	# 68
92) Benzo(g,h,i)perylene	17.403	276	80019	8.431	ng	# 93

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

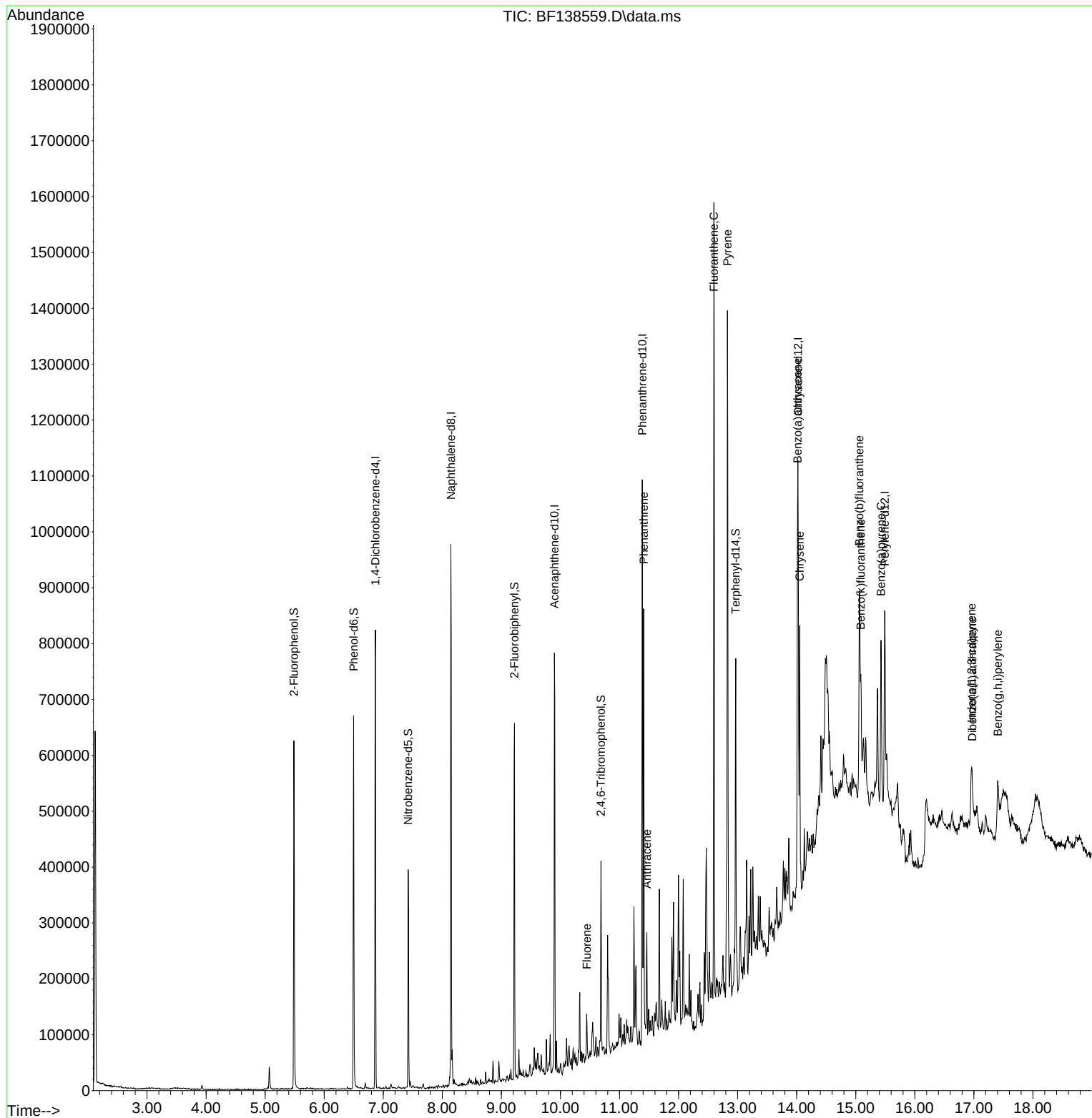
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
Data File : BF138559.D
Acq On : 12 Jul 2024 21:39
Operator : CG\JU
Sample : P3211-01 5X
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ALS Vial : 21 Sample Multiplier: 1

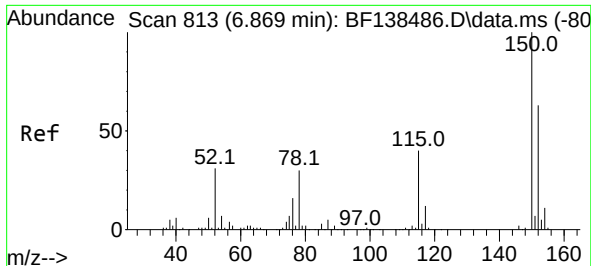
Instrument :
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Quant Time: Jul 12 23:14:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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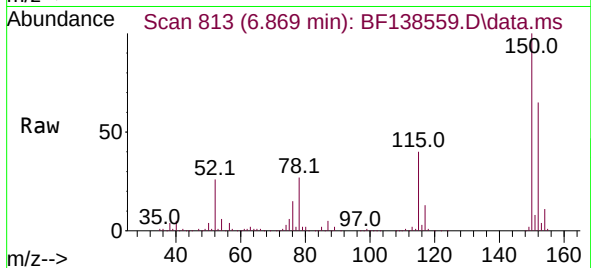
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

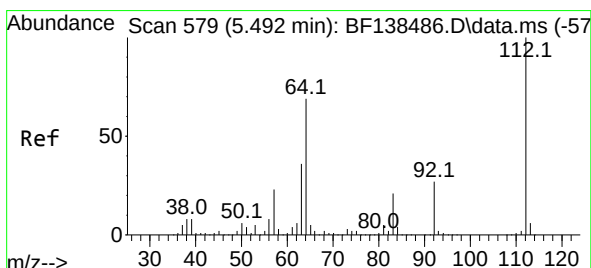
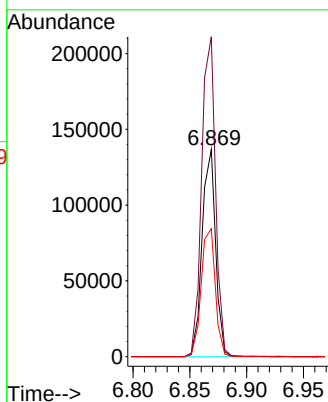
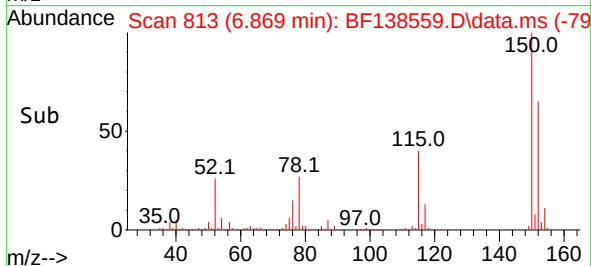
Instrument :
BNA_F
ClientSampleId :
TR-04-07102024



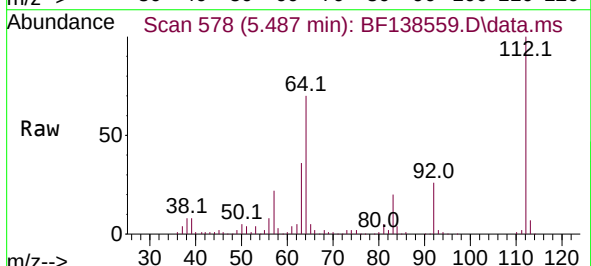
Tgt Ion:152 Resp: 113180
Ion Ratio Lower Upper
152 100
150 154.4 126.2 189.4
115 61.7 50.3 75.5

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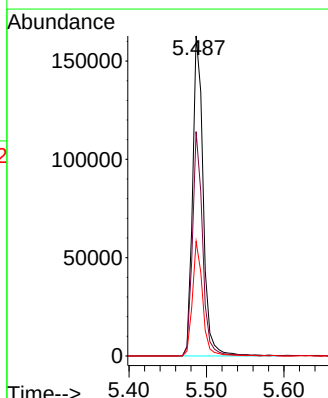
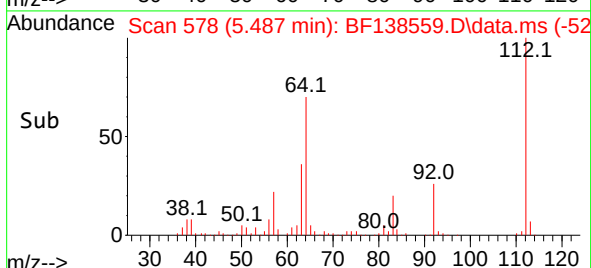
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024

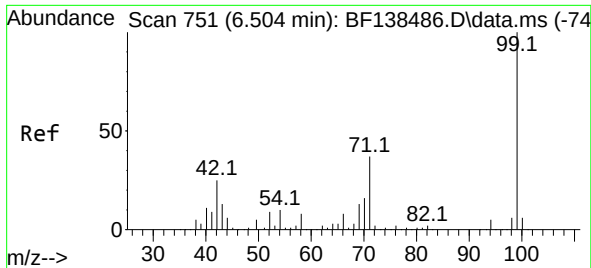


#5
2-Fluorophenol
Concen: 21.644 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39



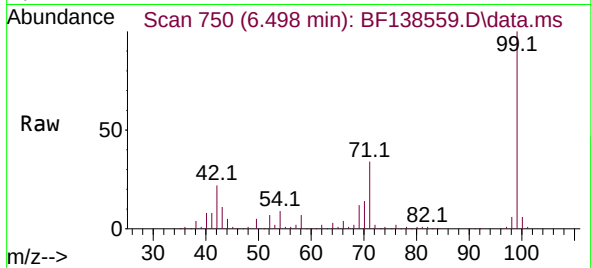
Tgt Ion:112 Resp: 154682
Ion Ratio Lower Upper
112 100
64 70.1 55.1 82.7
63 35.8 29.0 43.6





#7
Phenol-d6
Concen: 19.845 ng
RT: 6.498 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

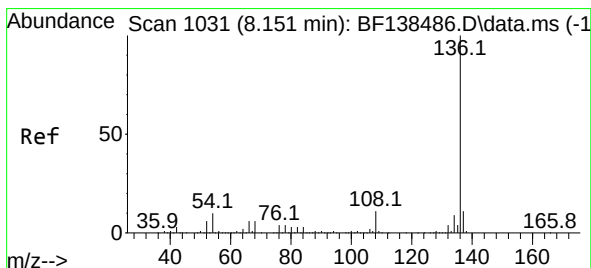
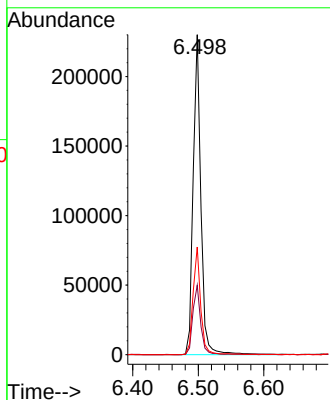
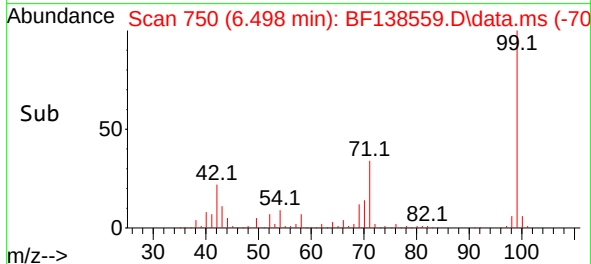
Instrument :
BNA_F
ClientSampleId :
TR-04-07102024



Tgt Ion: 99 Resp: 188669
Ion Ratio Lower Upper
99 100
42 21.7 19.7 29.5
71 33.6 29.9 44.9

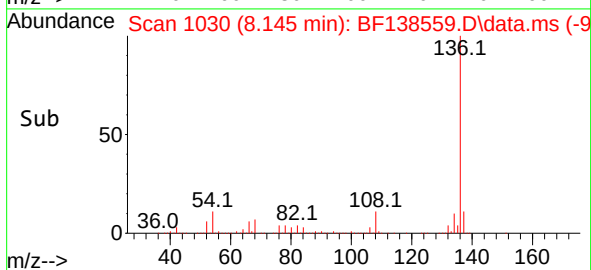
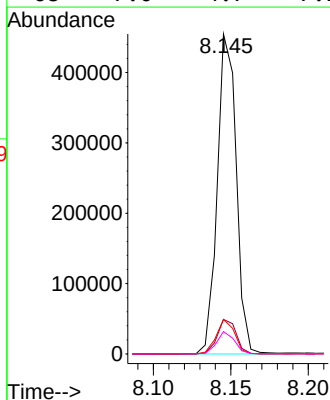
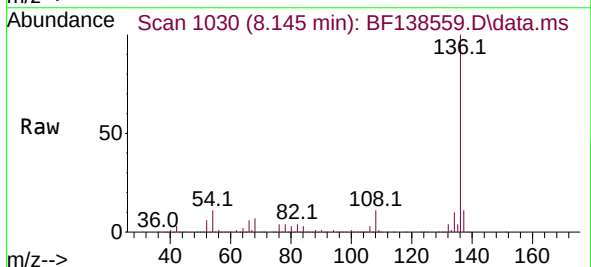
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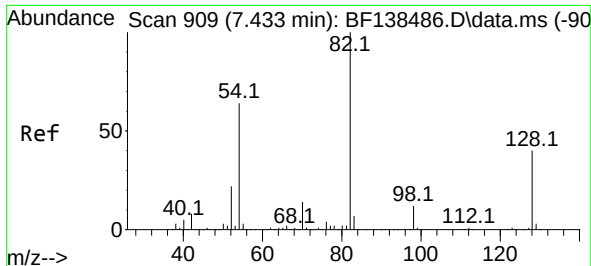
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Tgt Ion:136 Resp: 387701
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.8 8.1 12.1
68 7.0 4.7 7.1





#23

Nitrobenzene-d5

Concen: 13.676 ng

RT: 7.422 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Instrument :

BNA_F

ClientSampleId :

TR-04-07102024

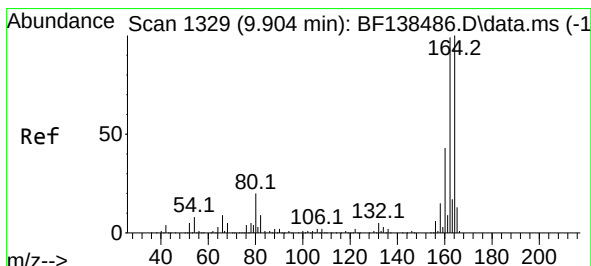
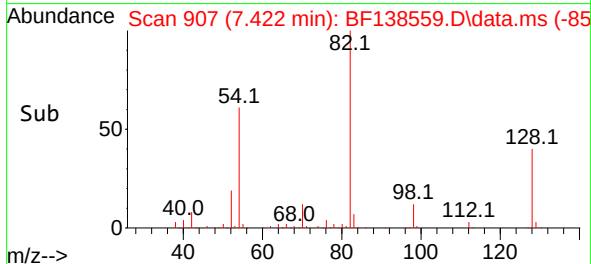
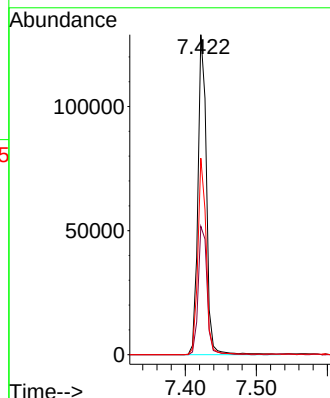
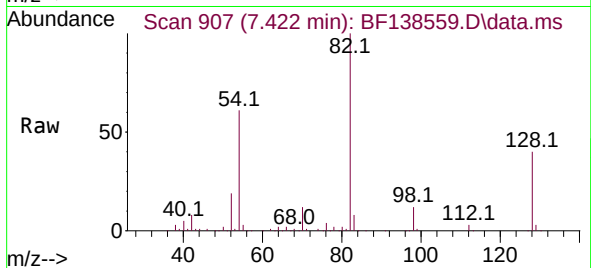
Tgt Ion: 82 Resp: 107990
 Ion Ratio Lower Upper
 82 100
 128 40.1 32.3 48.5
 54 61.4 51.4 77.0

Manual Integrations

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Supervised By :mohammad ahmed 07/19/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

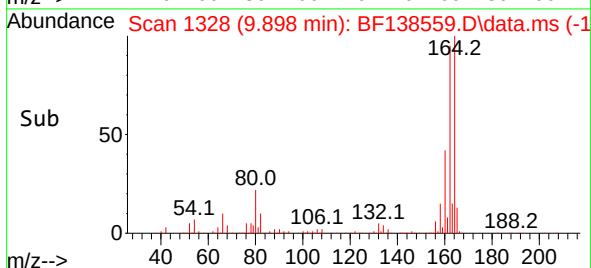
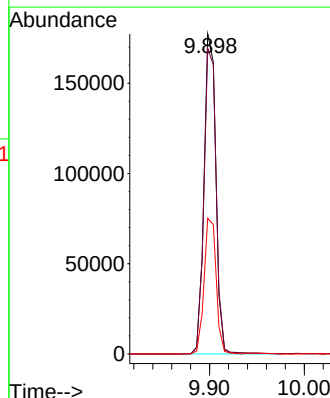
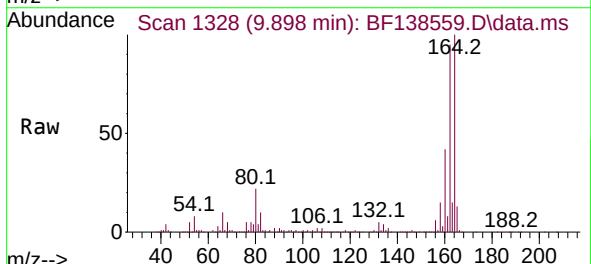
RT: 9.898 min Scan# 1328

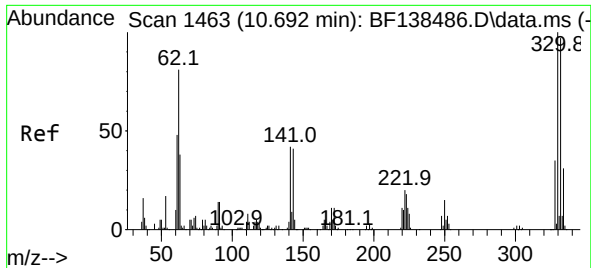
Delta R.T. -0.006 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Tgt Ion:164 Resp: 153621
 Ion Ratio Lower Upper
 164 100
 162 95.5 79.0 118.6
 160 42.4 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 21.991 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Instrument :

BNA_F

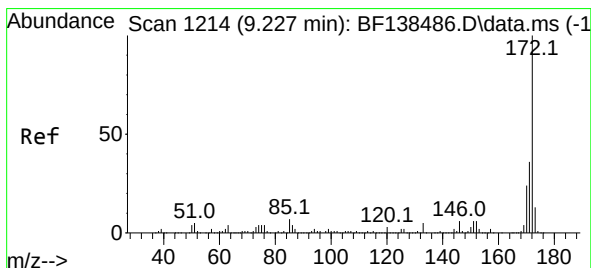
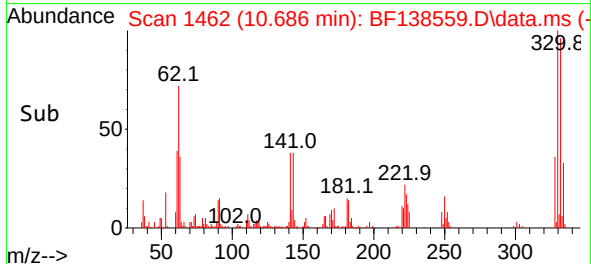
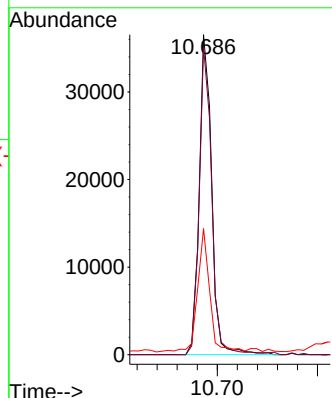
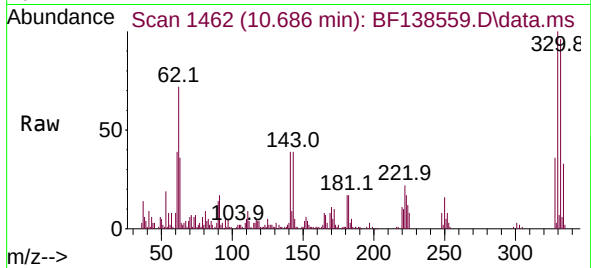
ClientSampleId :

TR-04-07102024

Tgt Ion: 330 Resp: 3157
Ion Ratio Lower Upper
330 100
332 96.4 76.8 115.2
141 37.2 29.4 44.2

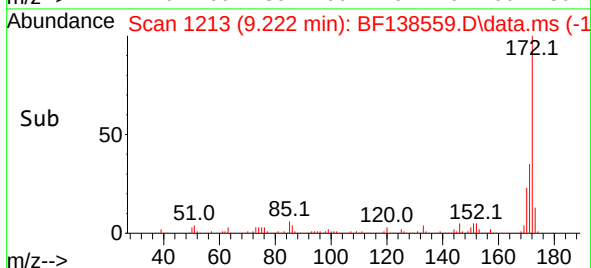
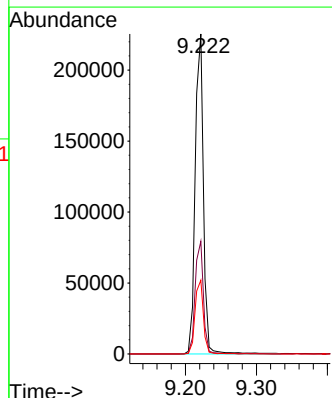
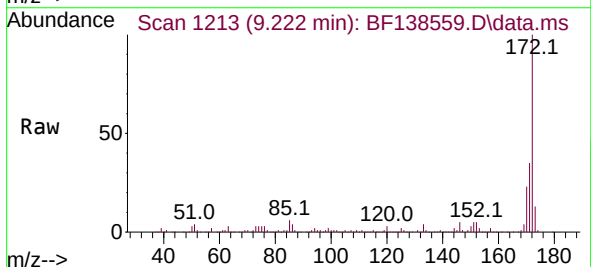
Manual Integrations
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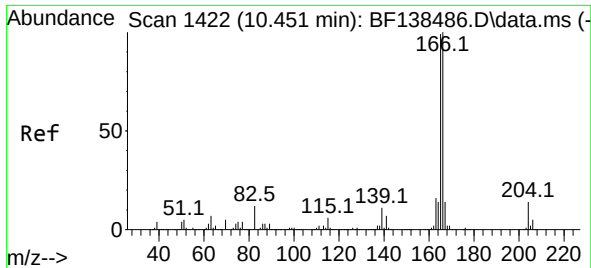
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#45
2-Fluorobiphenyl
Concen: 18.512 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

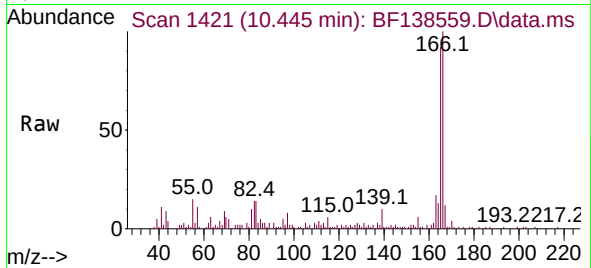
Tgt Ion: 172 Resp: 181959
Ion Ratio Lower Upper
172 100
171 35.2 28.9 43.3
170 23.0 18.9 28.3





#58
Fluorene
Concen: 2.290 ng
RT: 10.445 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

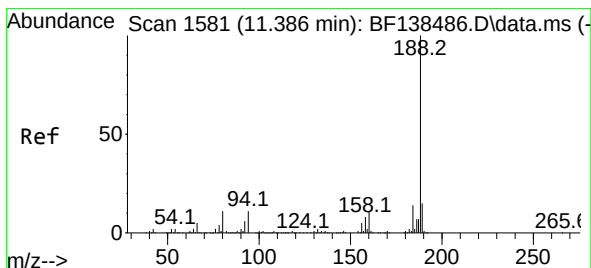
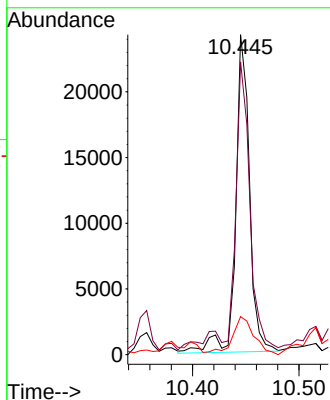
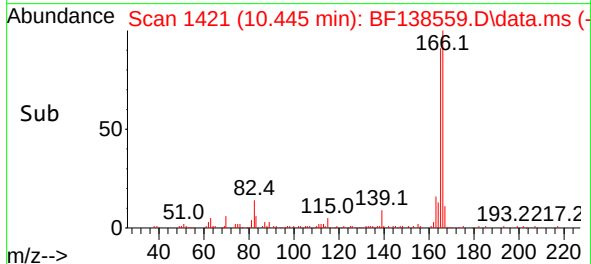
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TR-04-07102024



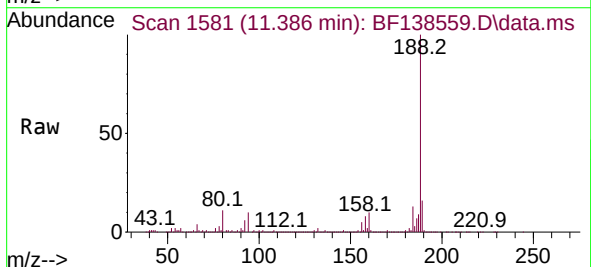
Tgt Ion:166 Resp: 21810
Ion Ratio Lower Upper
166 100
165 91.5 79.1 118.7
167 11.9 11.0 16.6

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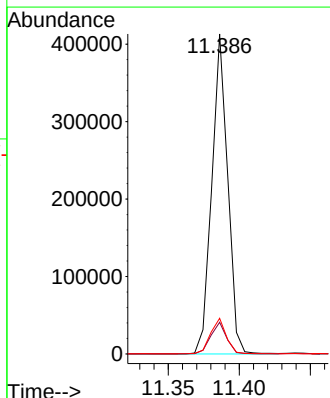
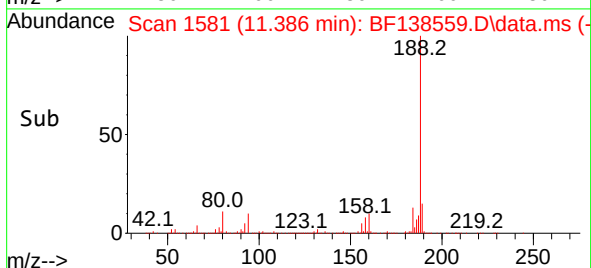
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024

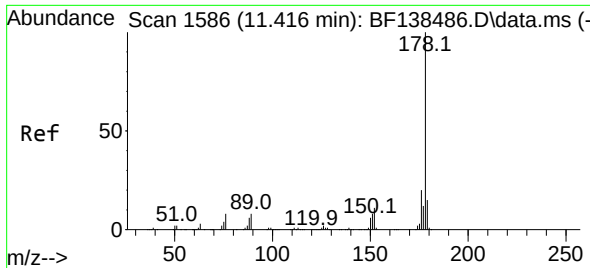


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39



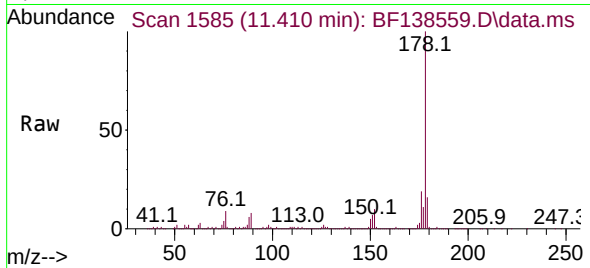
Tgt Ion:188 Resp: 322010
Ion Ratio Lower Upper
188 100
94 9.9 8.7 13.1
80 11.1 9.0 13.4





#71
Phenanthrene
Concen: 15.262 ng
RT: 11.410 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

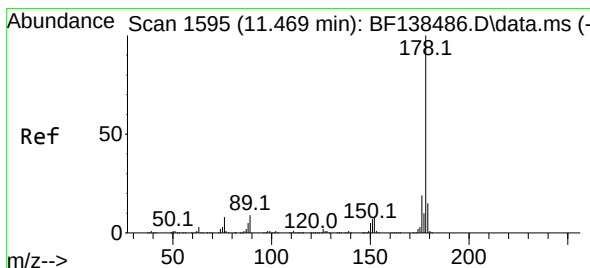
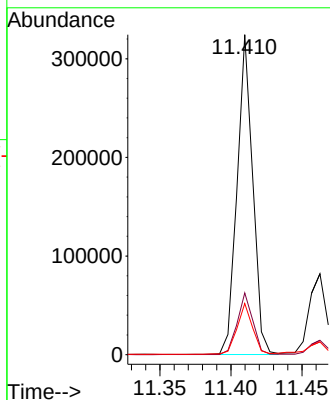
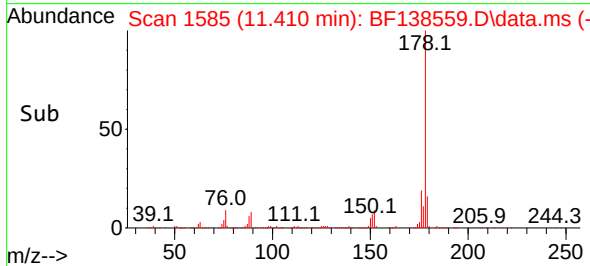
Instrument :
BNA_F
ClientSampleId :
TR-04-07102024



Tgt Ion:178 Resp: 248284
Ion Ratio Lower Upper
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176 19.3 15.7 23.5
179 16.0 12.2 18.2

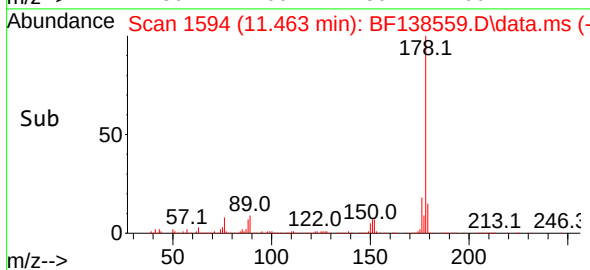
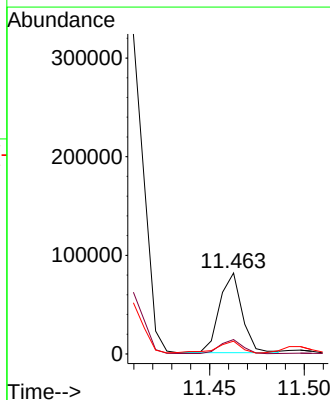
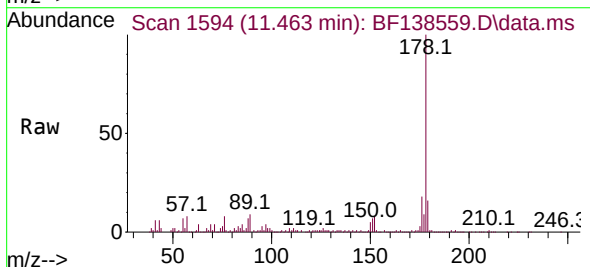
Manual Integrations
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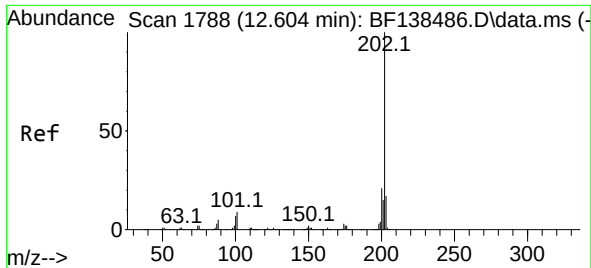
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#72
Anthracene
Concen: 4.179 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

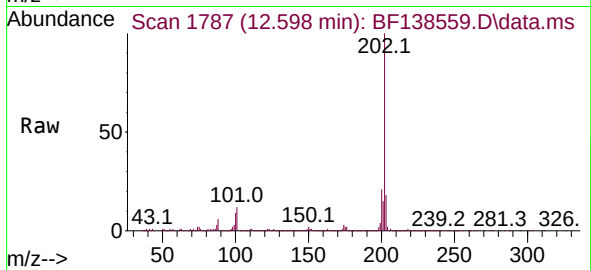
Tgt Ion:178 Resp: 67488
Ion Ratio Lower Upper
178 100
176 17.9 14.8 22.2
179 15.8 12.2 18.4





#75
Fluoranthene
Concen: 31.507 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

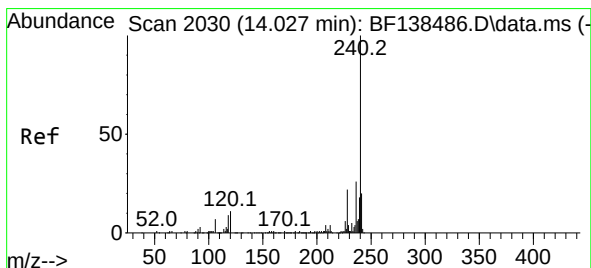
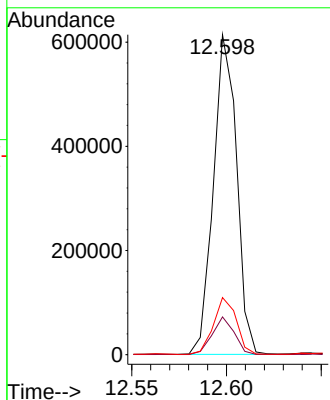
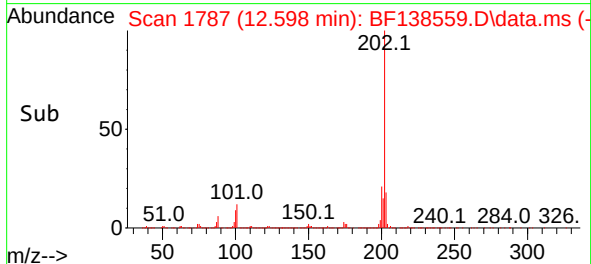
Instrument :
BNA_F
ClientSampleId :
TR-04-07102024



Tgt Ion:202 Resp: 523019
Ion Ratio Lower Upper
202 100
101 11.8 0.0 29.2
203 17.8 0.0 37.3

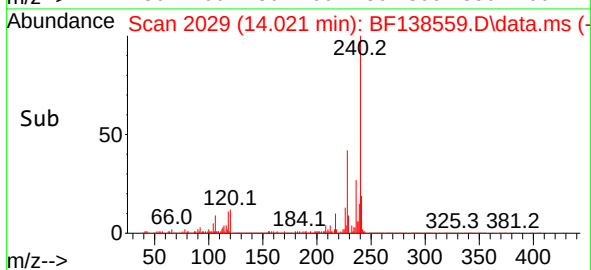
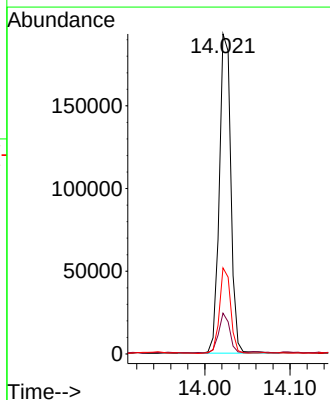
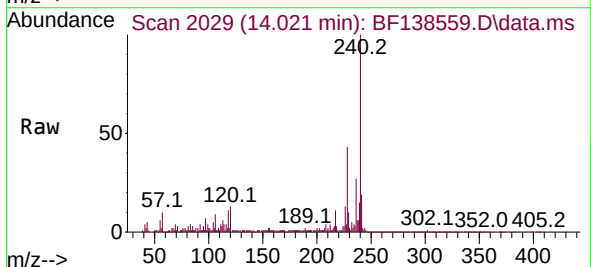
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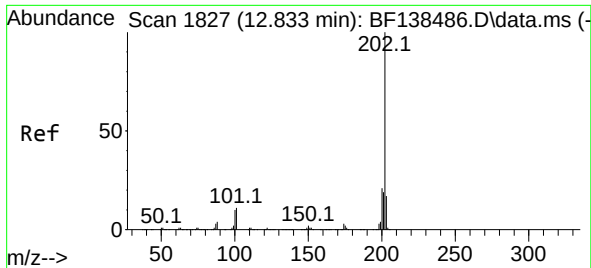
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Tgt Ion:240 Resp: 181015
Ion Ratio Lower Upper
240 100
120 12.8 8.6 12.8
236 26.9 21.0 31.6





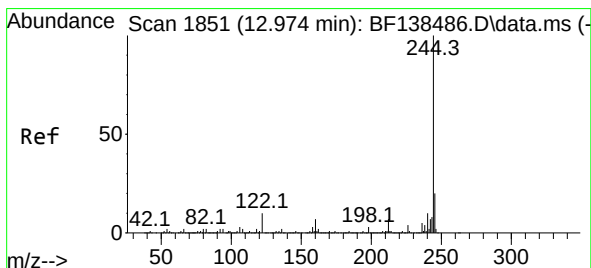
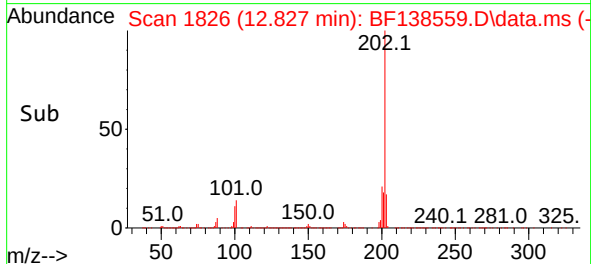
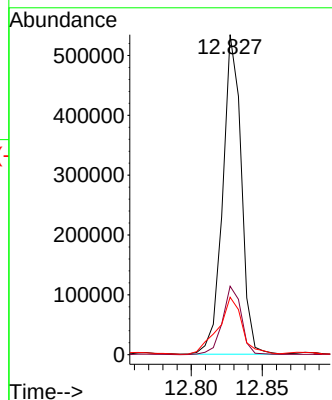
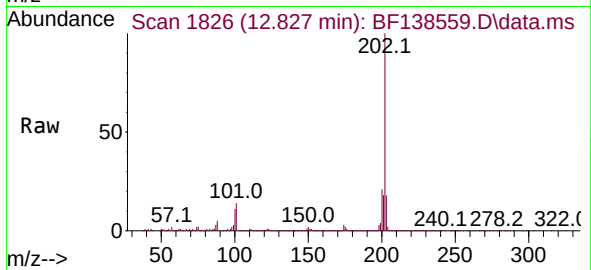
#78
Pyrene
Concen: 26.429 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Instrument :
BNA_F
ClientSampleId :
TR-04-07102024

Tgt Ion:202 Resp: 485640
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 18.0 13.7 20.5

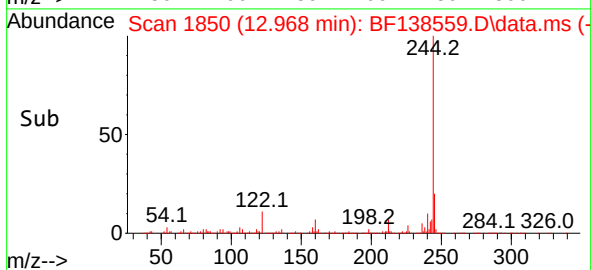
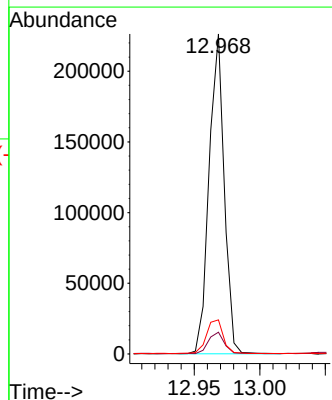
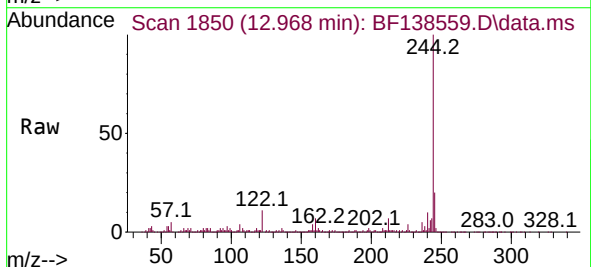
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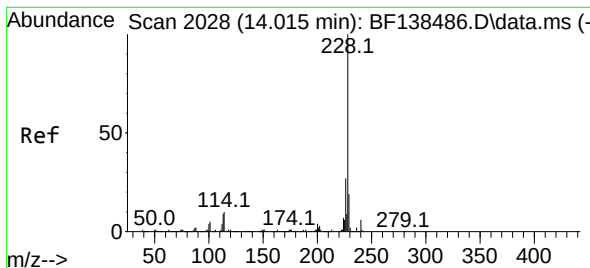
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#79
Terphenyl-d14
Concen: 16.372 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Tgt Ion:244 Resp: 181908
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 10.7 7.8 11.8





#81

Benzo(a)anthracene

Concen: 15.976 ng

RT: 14.015 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Instrument :

BNA_F

ClientSampleId :

TR-04-07102024

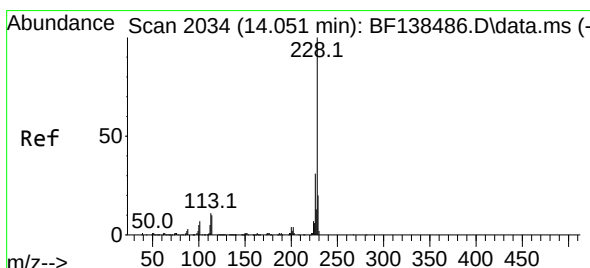
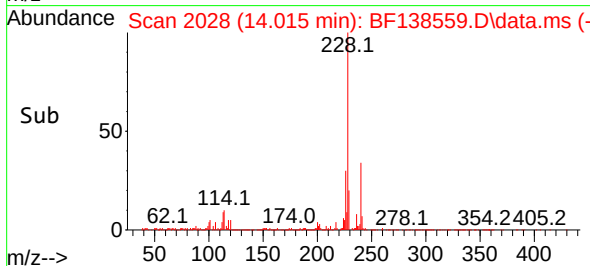
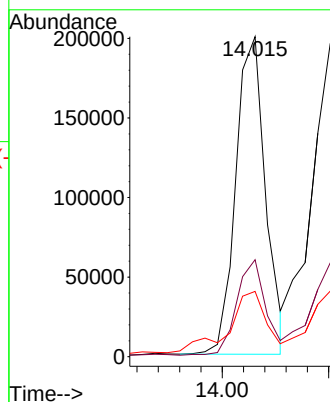
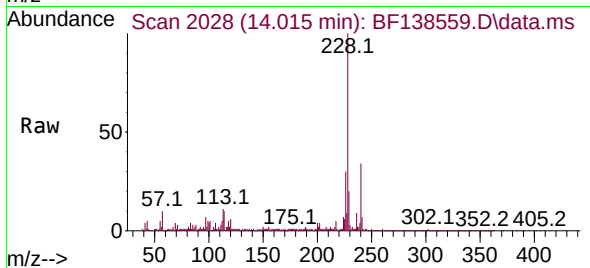
Tgt Ion:	228	Resp:	194040
Ion Ratio	Lower	Upper	
228	100		
226	30.3	21.9	32.9
229	20.4	15.5	23.3

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Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#83

Chrysene

Concen: 16.439 ng

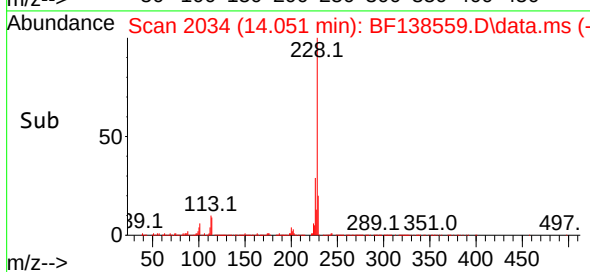
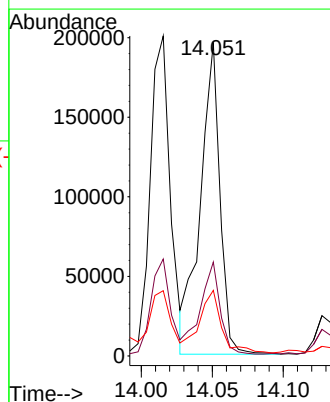
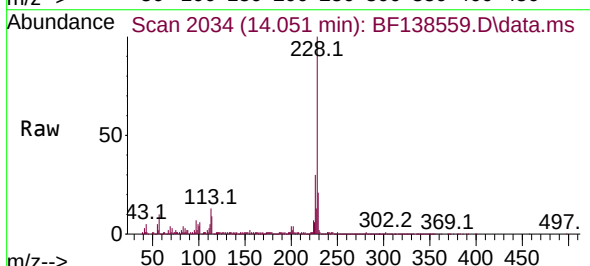
RT: 14.051 min Scan# 2034

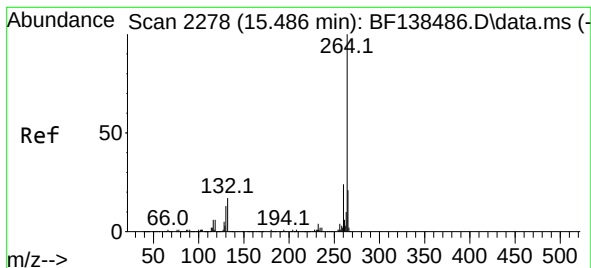
Delta R.T. 0.000 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Tgt Ion:	228	Resp:	188889
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.4	36.6
229	20.9	16.0	24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.006 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Instrument :

BNA_F

ClientSampleId :

TR-04-07102024

Tgt Ion:264 Resp: 16289

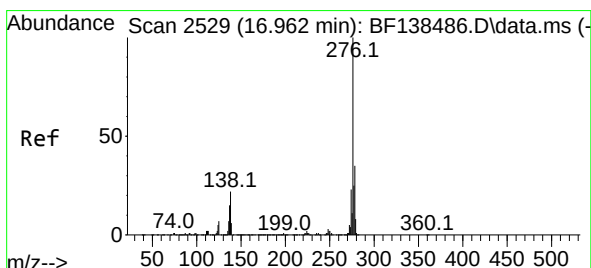
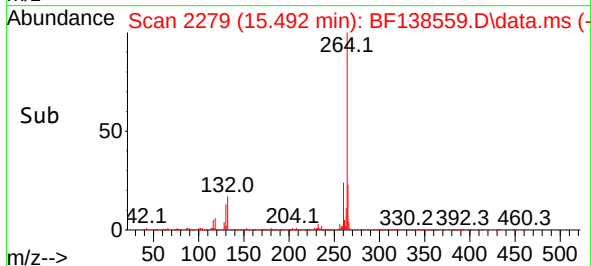
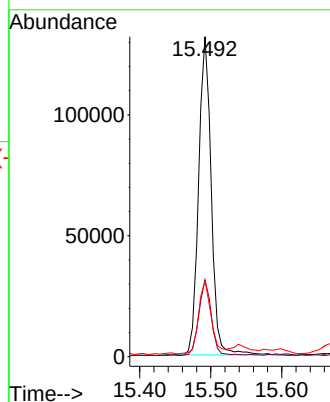
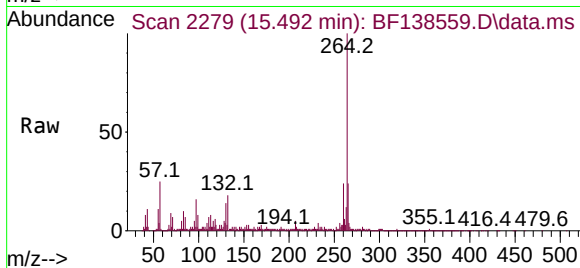
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	23.8	17.0	25.4

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Supervised By :mohammad ahmed 07/19/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.243 ng

RT: 16.962 min Scan# 2529

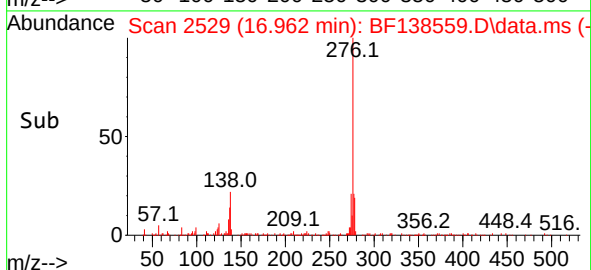
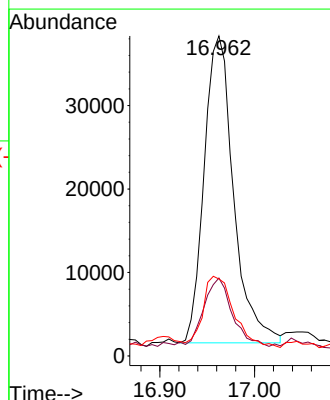
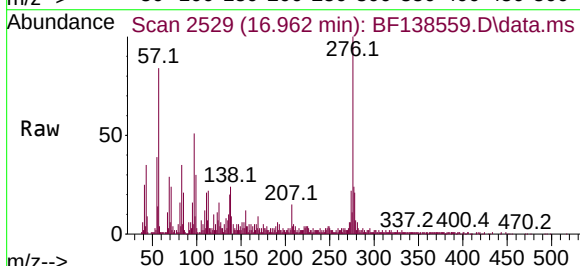
Delta R.T. 0.000 min

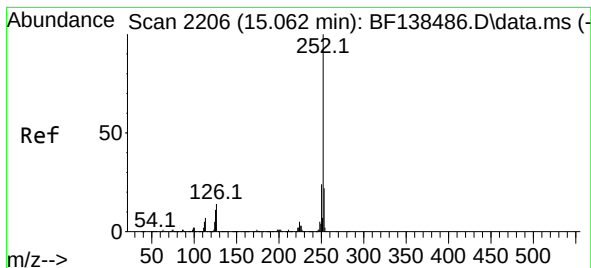
Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Tgt Ion:276 Resp: 79246

Ion	Ratio	Lower	Upper
276	100		
138	21.6	19.6	29.4
277	24.4	20.5	30.7





#88

Benzo(b)fluoranthene

Concen: 21.215 ng m

RT: 15.062 min Scan# 2110

Delta R.T. 0.000 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Instrument :

BNF

ClientSampleId :

TR-04-07102024

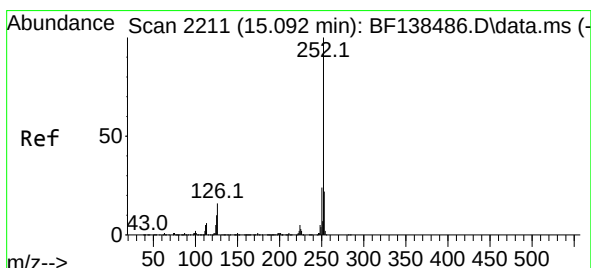
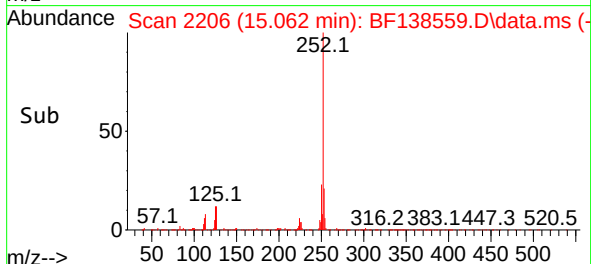
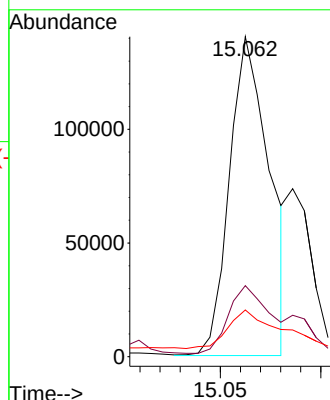
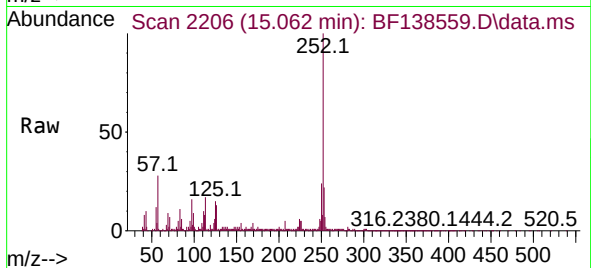
Tgt Ion:252 Resp: 19462
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.3 25.9
 125 14.6 8.6 13.0

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Supervised By :mohammad ahmed 07/19/2024



#89

Benzo(k)fluoranthene

Concen: 7.167 ng m

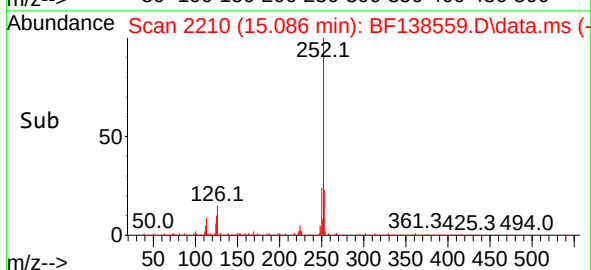
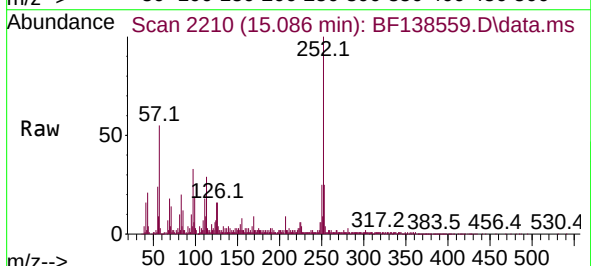
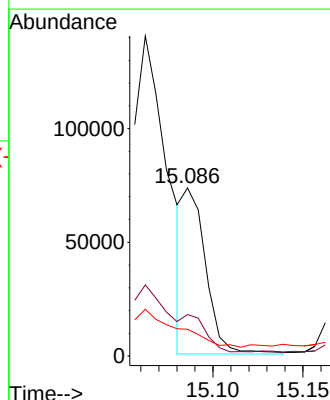
RT: 15.086 min Scan# 2210

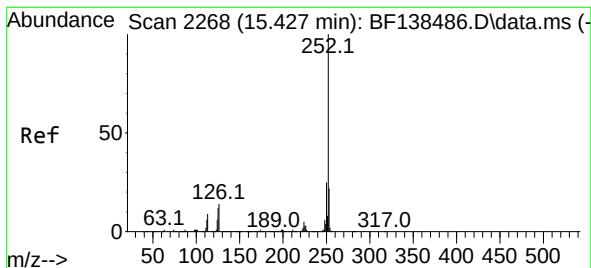
Delta R.T. -0.006 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Tgt Ion:252 Resp: 64122
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.7 26.5
 125 15.9 8.1 12.1





#90

Benzo(a)pyrene

Concen: 17.733 ng

RT: 15.427 min Scan# 2268

Delta R.T. 0.000 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Instrument :

BNF

ClientSampleId :

TR-04-07102024

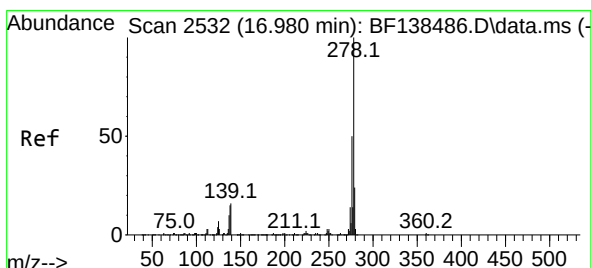
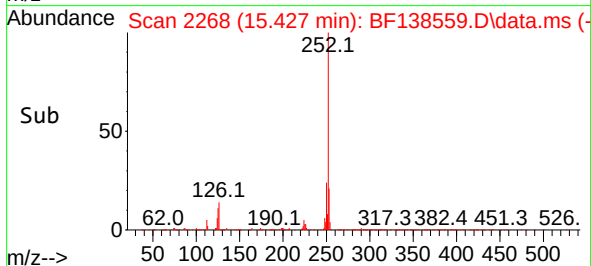
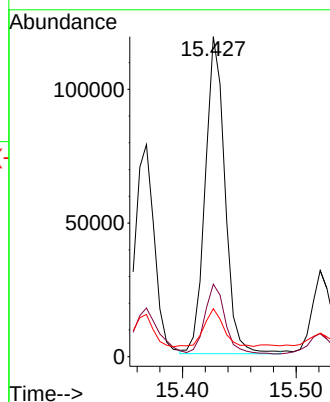
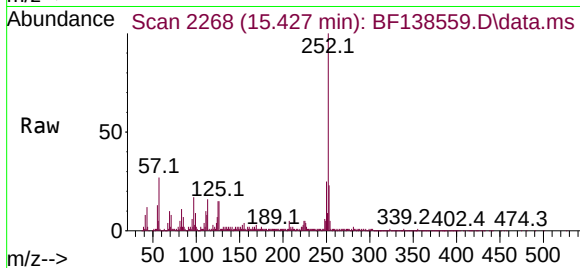
Tgt Ion:	252	Resp:	142909
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.0
125	15.0	9.4	14.2

Manual Integrations

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Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.181 ng

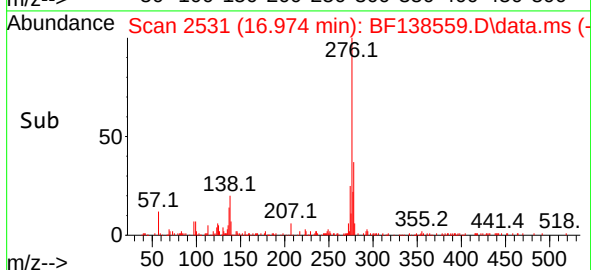
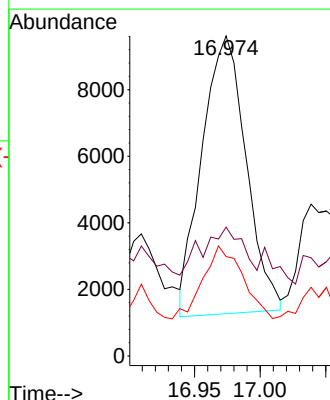
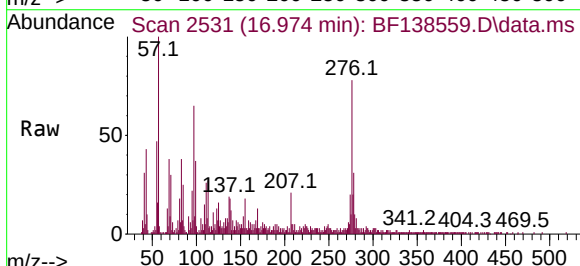
RT: 16.974 min Scan# 2531

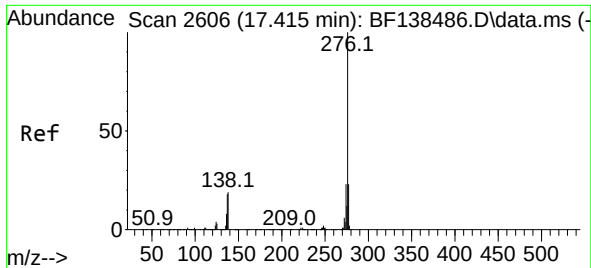
Delta R.T. -0.006 min

Lab File: BF138559.D

Acq: 12 Jul 2024 21:39

Tgt Ion:	278	Resp:	19521
Ion Ratio	Lower	Upper	
278	100		
139	40.3	12.8	19.2#
279	31.1	19.1	28.7#





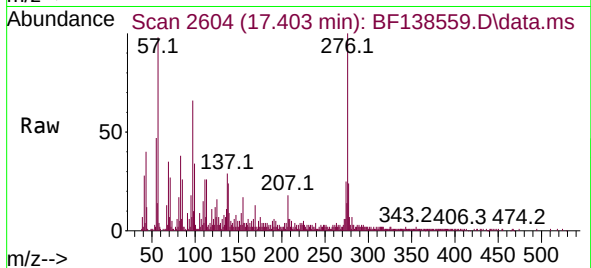
#92
Benzo(g,h,i)perylene
Concen: 8.431 ng
RT: 17.403 min Scan# 20604
Delta R.T. -0.012 min
Lab File: BF138559.D
Acq: 12 Jul 2024 21:39

Instrument :

BNA_F

ClientSampleId :

TR-04-07102024



Tgt Ion: 276 Resp: 80019
Ion Ratio Lower Upper
276 100
277 24.2 18.0 27.0
138 24.3 15.5 23.3

Manual Integrations

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Reviewed By : Yogesh Patel 07/13/2024

Supervised By : mohammad ahmed 07/19/2024

