

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
 Data File : BF139107.D
 Acq On : 21 Aug 2024 17:50
 Operator : RC/JU
 Sample : P3660-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-902-0.5-1-081624

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024

Quant Time: Aug 22 00:56:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	83112	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	295487	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	141956	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	198637	20.000	ng	0.00
76) Chrysene-d12	14.057	240	164495	20.000	ng	0.00
86) Perylene-d12	15.533	264	132017	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	300423	55.612	ng	0.00
7) Phenol-d6	6.510	99	392421	56.219	ng	-0.01
23) Nitrobenzene-d5	7.451	82	248285	48.962	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	65439	50.921	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	356619	39.858	ng	0.00
79) Terphenyl-d14	13.004	244	278508	28.094	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.963	154	77425	10.356	ng	99
55) Dibenzofuran	10.133	168	73489	6.767	ng	98
58) Fluorene	10.480	166	99335	11.446	ng	100
71) Phenanthrene	11.445	178	1025691	101.591	ng	100
72) Anthracene	11.492	178	299574	30.340	ng	99
73) Carbazole	11.645	167	127359	13.813	ng	99
75) Fluoranthene	12.633	202	1300730	120.705	ng	99
78) Pyrene	12.863	202	1078357	78.555	ng	98
81) Benzo(a)anthracene	14.051	228	633828	58.616	ng	99
83) Chrysene	14.086	228	476229	48.589	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	178439	23.095	ng	96
88) Benzo(b)fluoranthene	15.110	252	525496m	61.057	ng	
89) Benzo(k)fluoranthene	15.121	252	187754m	26.192	ng	
90) Benzo(a)pyrene	15.474	252	354653	52.149	ng	97
91) Dibenzo(a,h)anthracene	17.021	278	40219m	6.341	ng	
92) Benzo(g,h,i)perylene	17.462	276	162453	23.908	ng	98

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

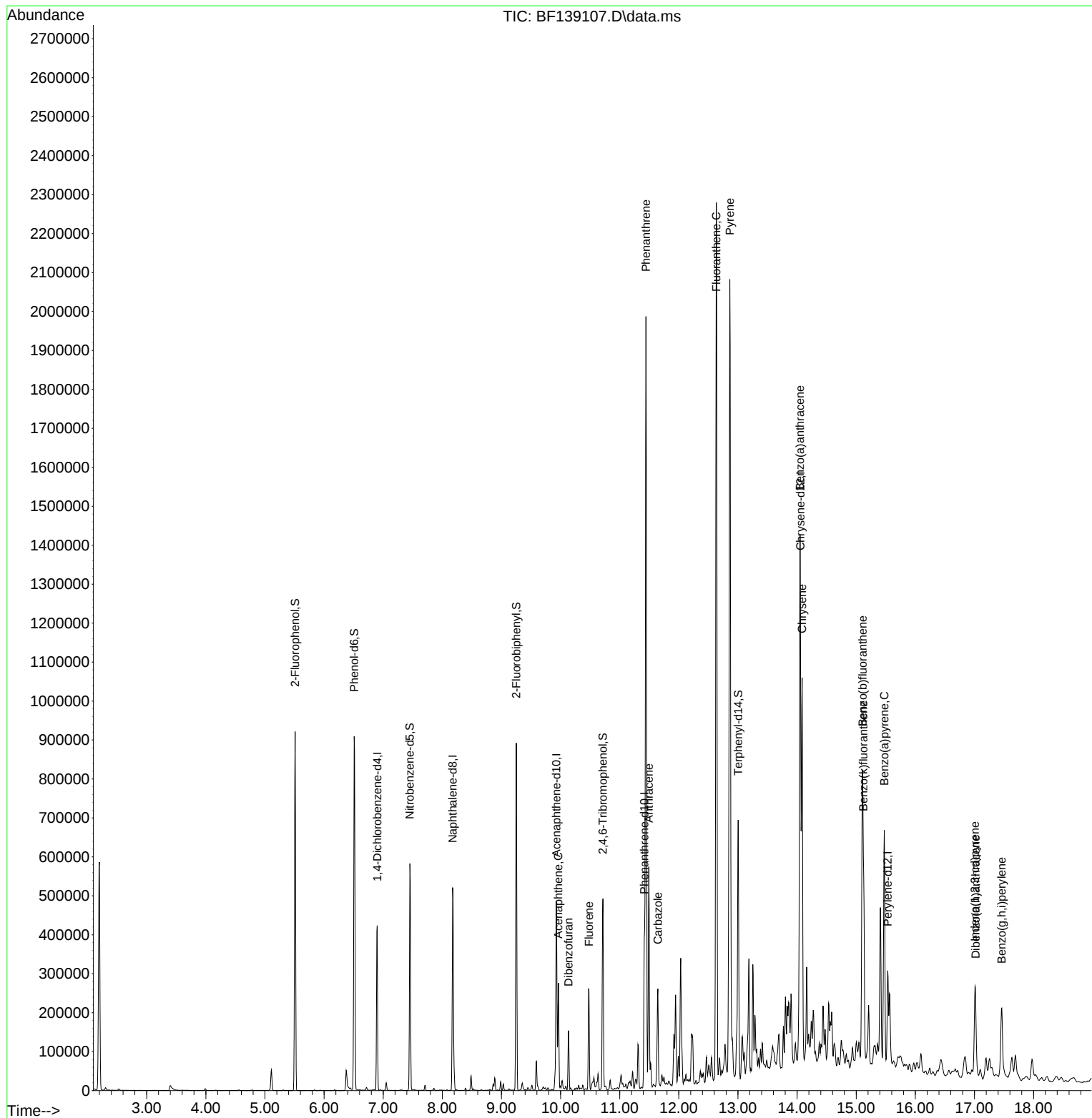
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
Data File : BF139107.D
Acq On : 21 Aug 2024 17:50
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Sample : P3660-04
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ALS Vial : 20 Sample Multiplier: 1

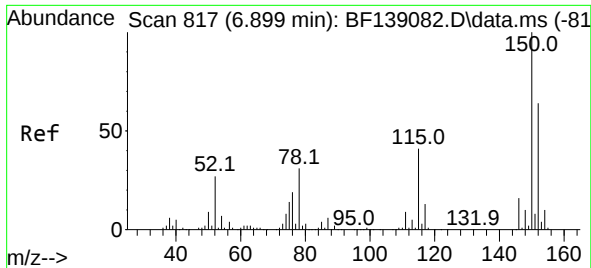
Instrument :
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Quant Time: Aug 22 00:56:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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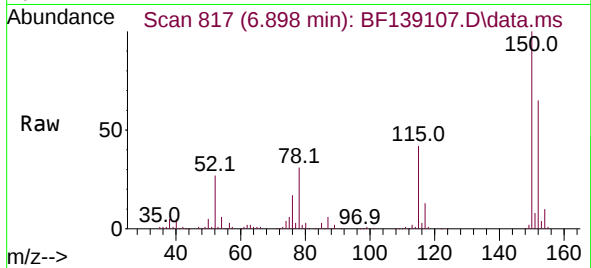
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50

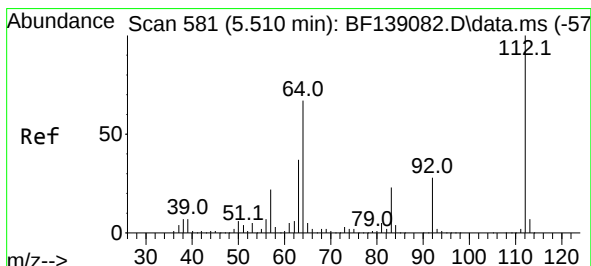
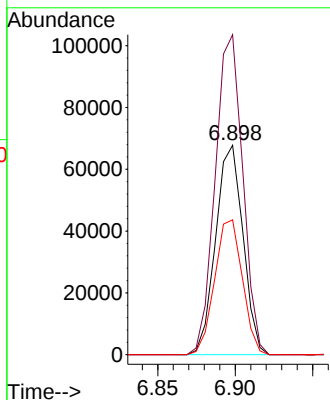
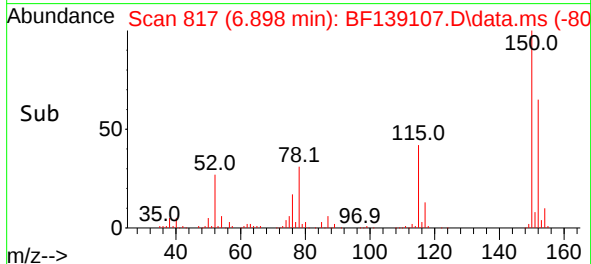
Instrument :
BNA_F
ClientSampleId :
S-902-0.5-1-081624



Tgt Ion:152 Resp: 83112
Ion Ratio Lower Upper
152 100
150 152.8 125.1 187.7
115 64.4 51.8 77.6

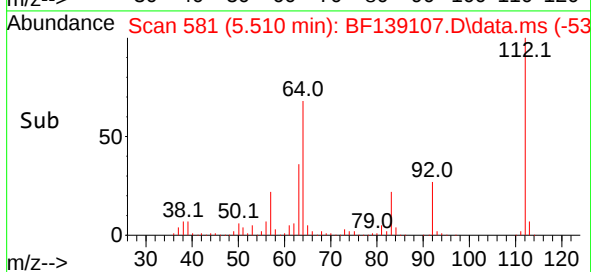
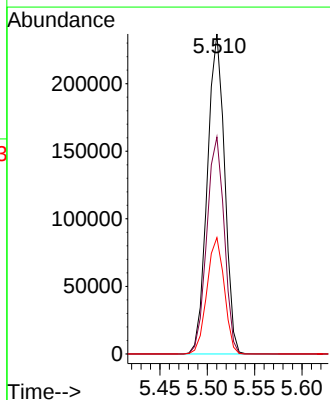
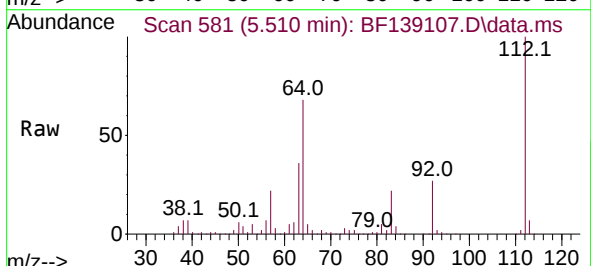
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#5
2-Fluorophenol
Concen: 55.612 ng
RT: 5.510 min Scan# 581
Delta R.T. -0.000 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50

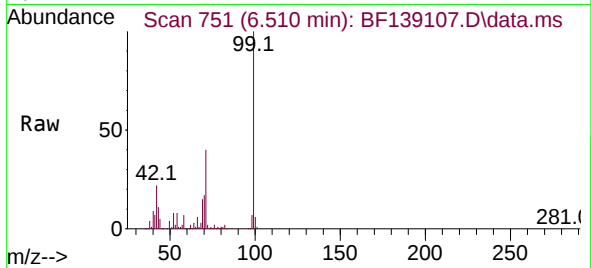
Tgt Ion:112 Resp: 300423
Ion Ratio Lower Upper
112 100
64 67.8 53.8 80.6
63 36.3 29.4 44.2





#7
Phenol-d6
Concen: 56.219 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50

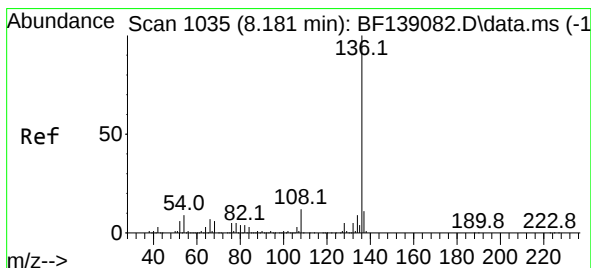
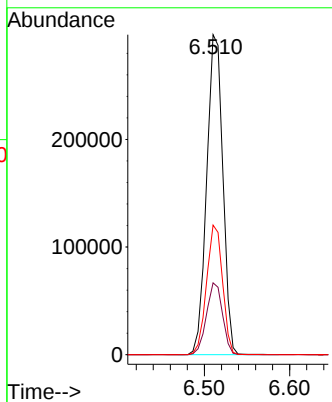
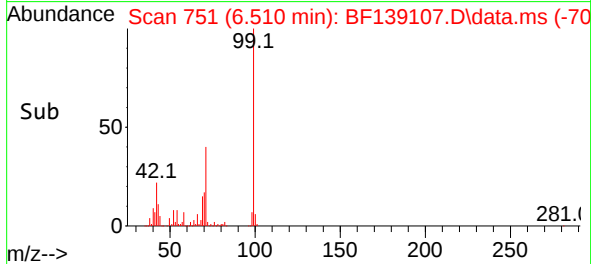
Instrument :
BNA_F
ClientSampleId :
S-902-0.5-1-081624



Tgt Ion: 99 Resp: 39242
Ion Ratio Lower Upper
99 100
42 22.5 17.4 26.2
71 40.5 31.2 46.8

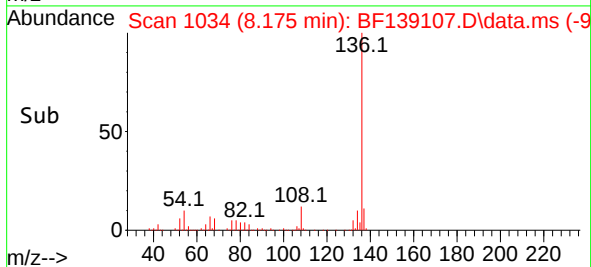
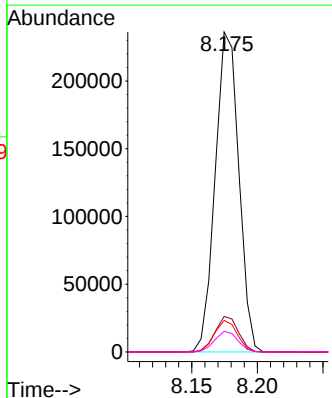
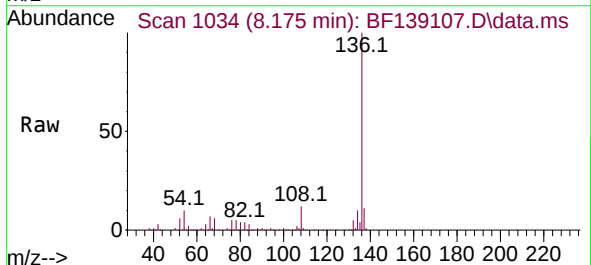
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50

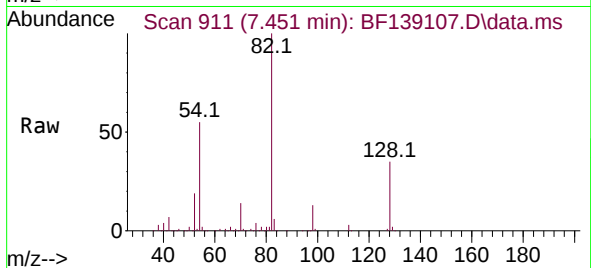
Tgt Ion:136 Resp: 295487
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 9.8 7.6 11.4
68 6.4 5.1 7.7





#23
Nitrobenzene-d5
Concen: 48.962 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50

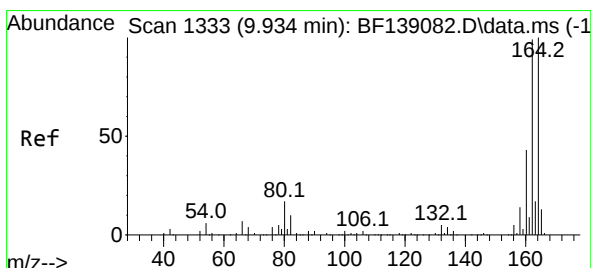
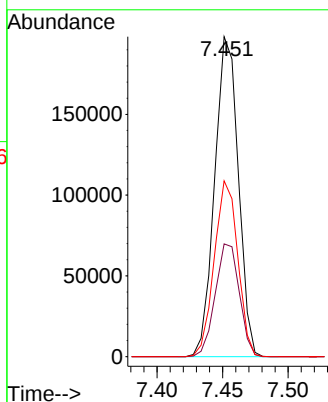
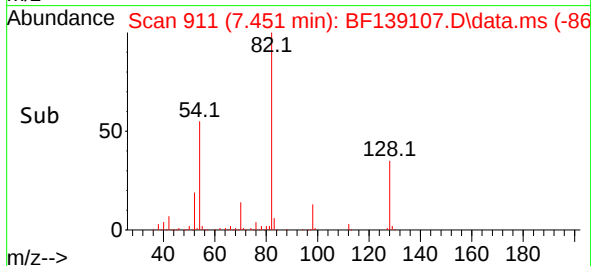
Instrument :
BNA_F
ClientSampleId :
S-902-0.5-1-081624



Tgt Ion: 82 Resp: 248285
Ion Ratio Lower Upper
82 100
128 35.3 29.0 43.4
54 55.0 43.4 65.2

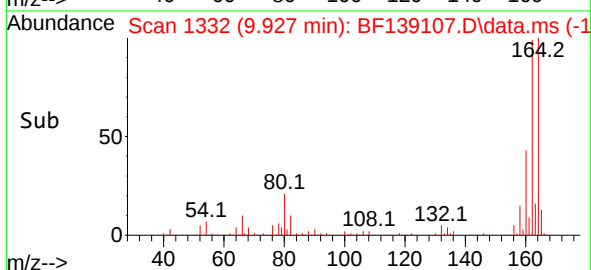
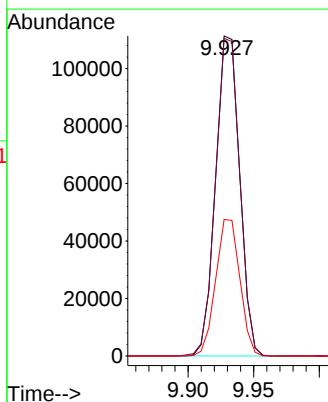
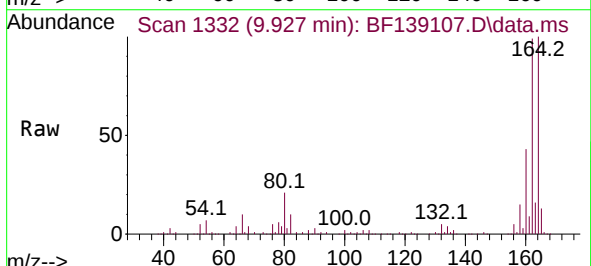
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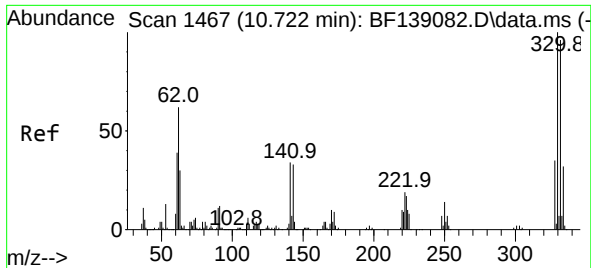
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. -0.007 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50

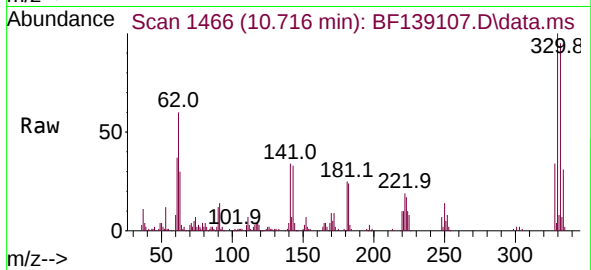
Tgt Ion:164 Resp: 141956
Ion Ratio Lower Upper
164 100
162 99.2 79.5 119.3
160 42.6 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 50.921 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50

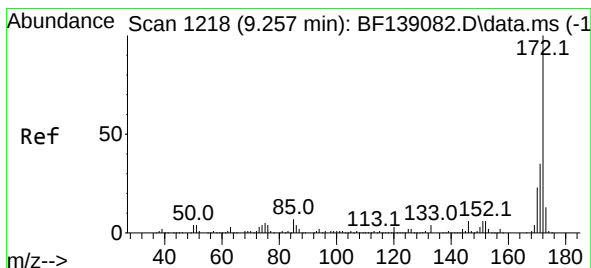
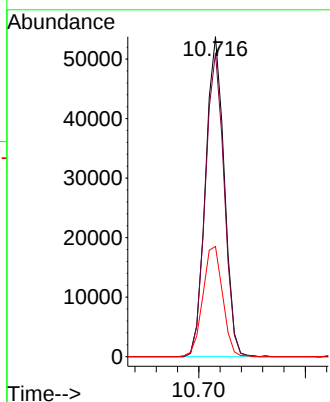
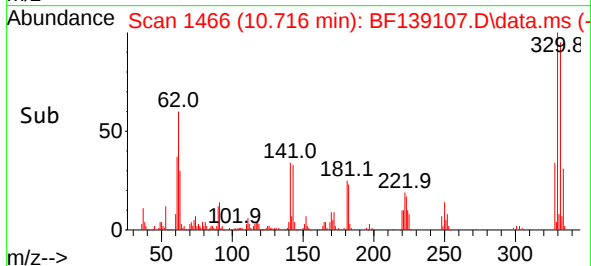
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BNA_F
ClientSampleId :
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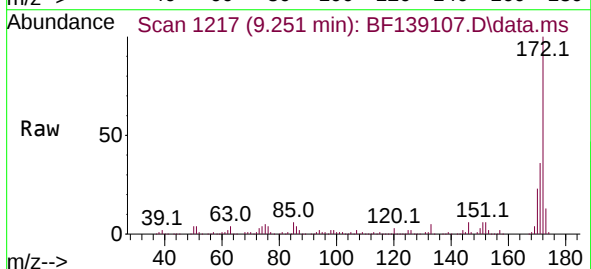
Tgt Ion: 330 Resp: 65439
Ion Ratio Lower Upper
330 100
332 95.2 77.0 115.6
141 36.6 27.5 41.3

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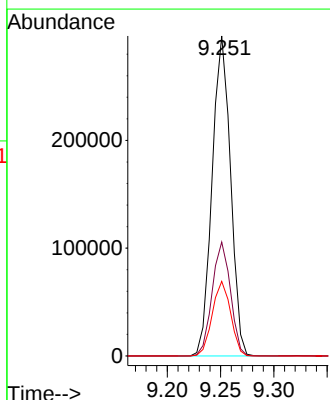
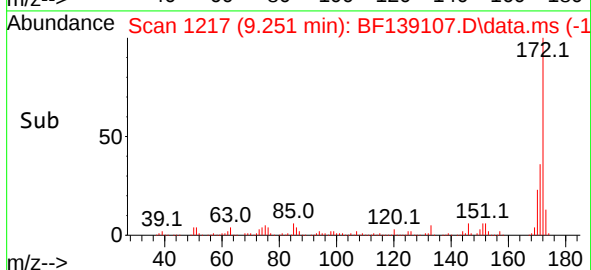
Reviewed By : Jagrut Upadhyay 08/22/2024
Supervised By : mohammad ahmed 08/23/2024

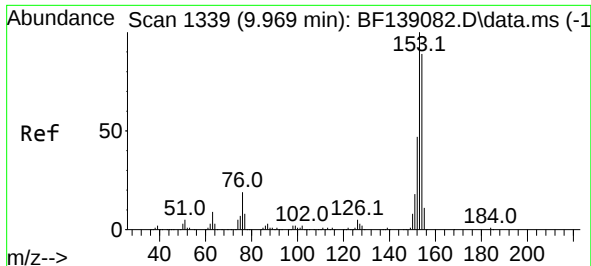


#45
2-Fluorobiphenyl
Concen: 39.858 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50



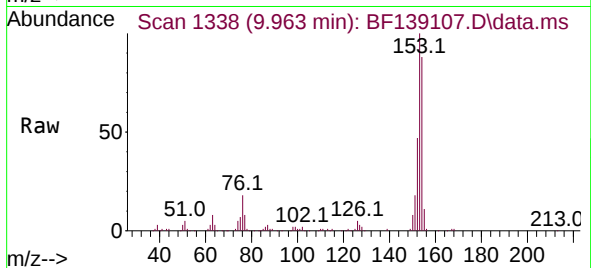
Tgt Ion: 172 Resp: 356619
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.3 18.8 28.2





#52
Acenaphthene
Concen: 10.356 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50

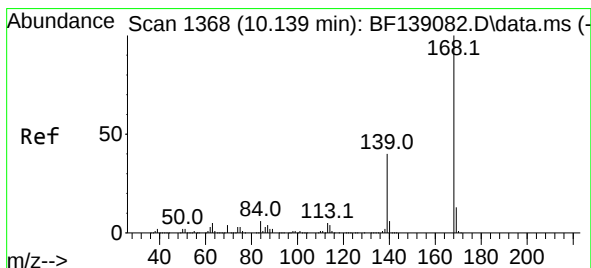
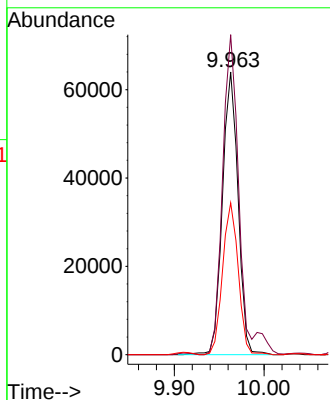
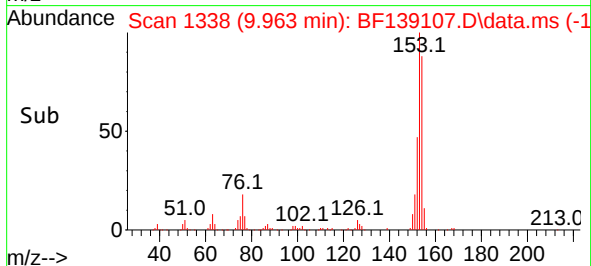
Instrument :
BNA_F
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S-902-0.5-1-081624



Tgt Ion:154 Resp: 77425
Ion Ratio Lower Upper
154 100
153 113.2 89.7 134.5
152 53.7 42.3 63.5

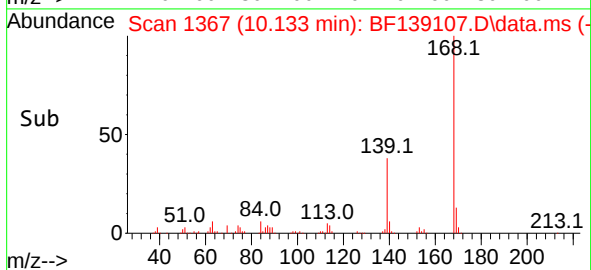
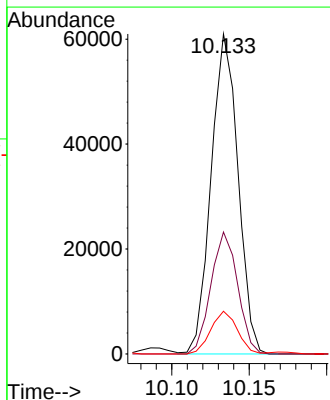
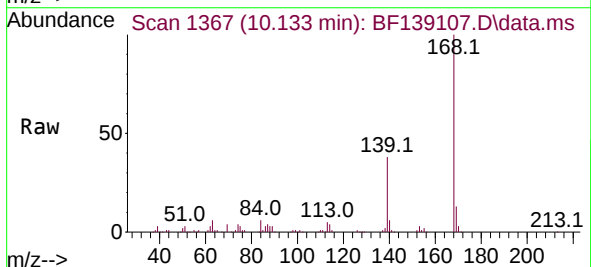
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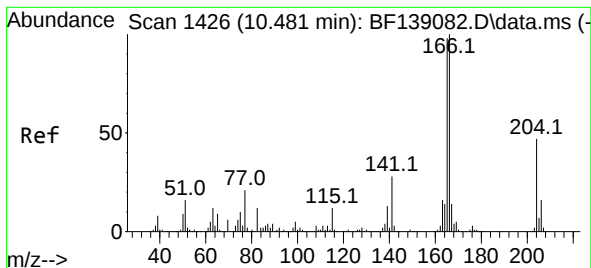
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#55
Dibenzofuran
Concen: 6.767 ng
RT: 10.133 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50

Tgt Ion:168 Resp: 73489
Ion Ratio Lower Upper
168 100
139 38.1 31.6 47.4
169 13.3 10.7 16.1





#58

Fluorene

Concen: 11.446 ng

RT: 10.480 min Scan# 1426

Delta R.T. -0.000 min

Lab File: BF139107.D

Acq: 21 Aug 2024 17:50

Instrument :

BNA_F

ClientSampleId :

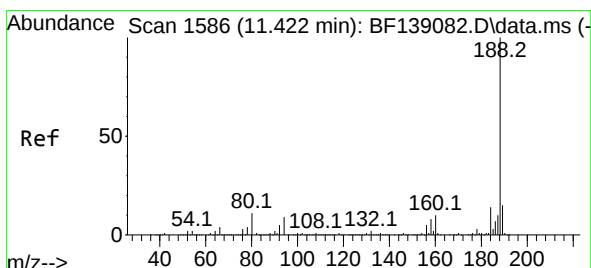
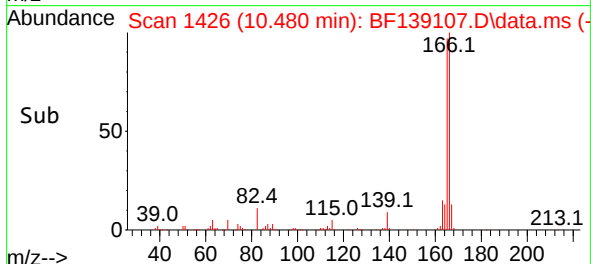
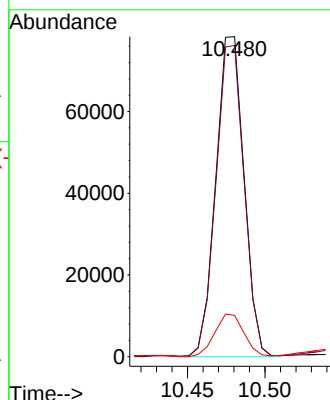
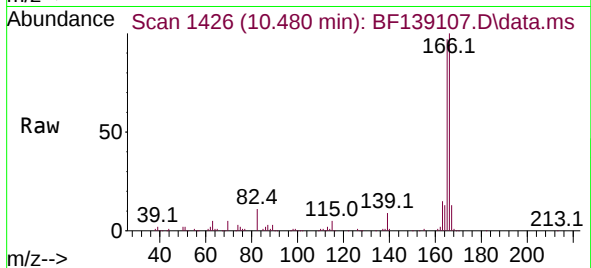
S-902-0.5-1-081624

Tgt Ion:166 Resp: 9933
 Ion Ratio Lower Upper
 166 100
 165 97.2 78.0 117.0
 167 12.9 11.0 16.4

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

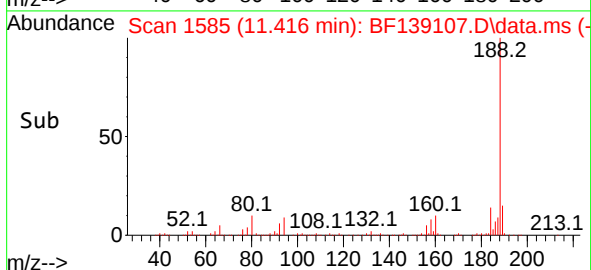
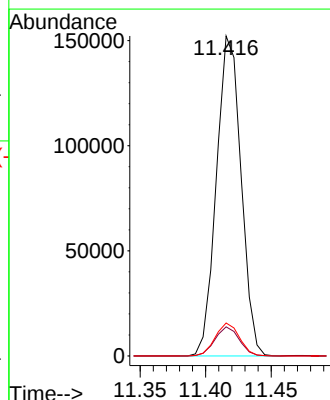
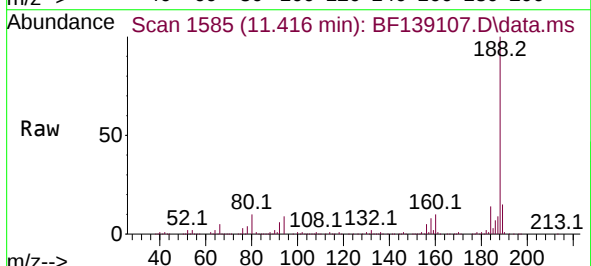
RT: 11.416 min Scan# 1585

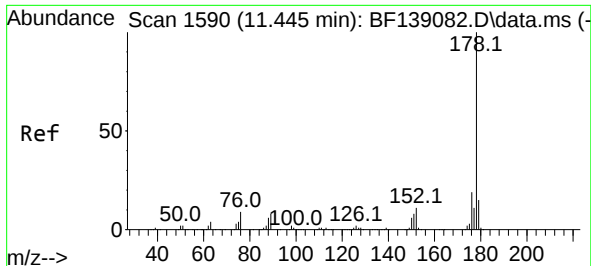
Delta R.T. -0.006 min

Lab File: BF139107.D

Acq: 21 Aug 2024 17:50

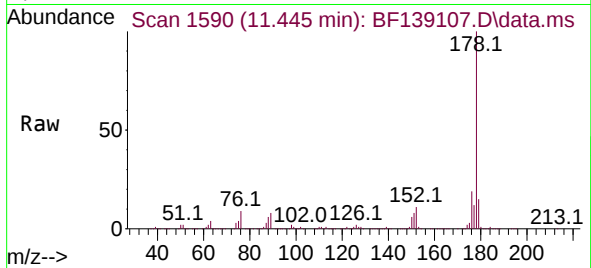
Tgt Ion:188 Resp: 198637
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.2 10.8
 80 10.3 8.5 12.7





#71
Phenanthrene
Concen: 101.591 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50

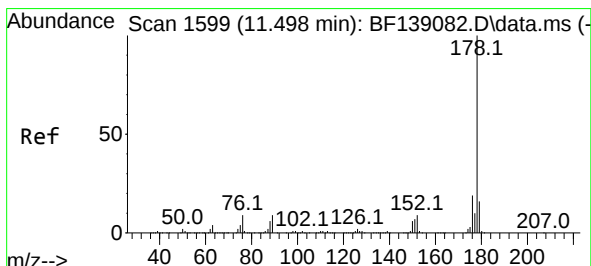
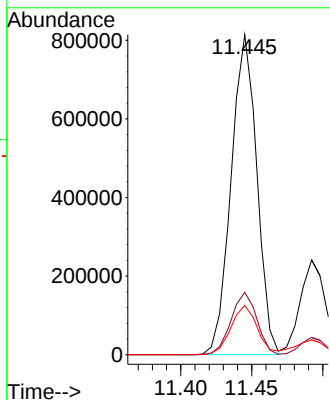
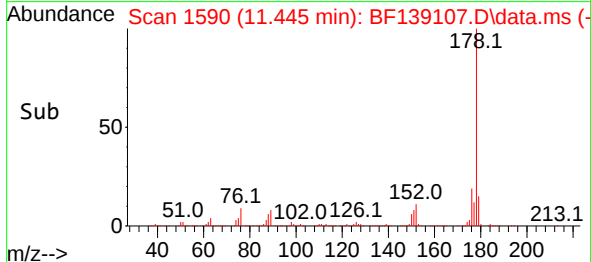
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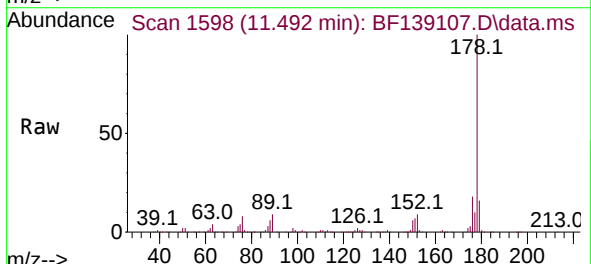
Tgt Ion:178 Resp: 102569
Ion Ratio Lower Upper
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176 19.5 15.4 23.2
179 15.3 12.3 18.5

Manual Integrations
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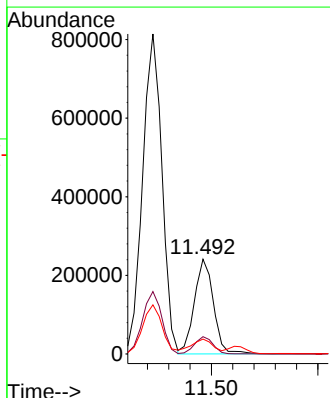
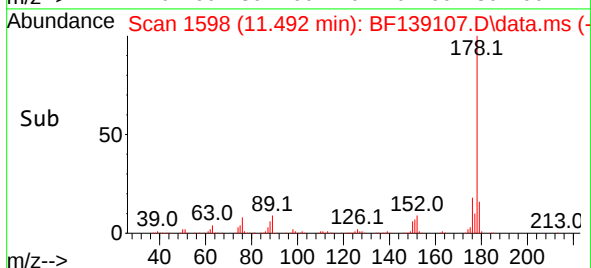
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

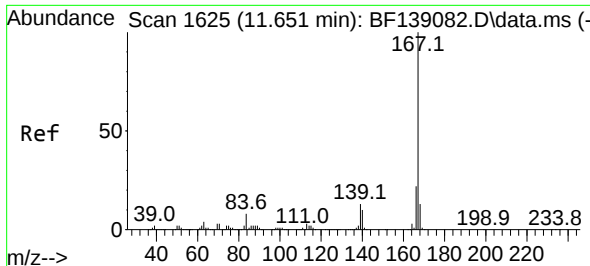


#72
Anthracene
Concen: 30.340 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50



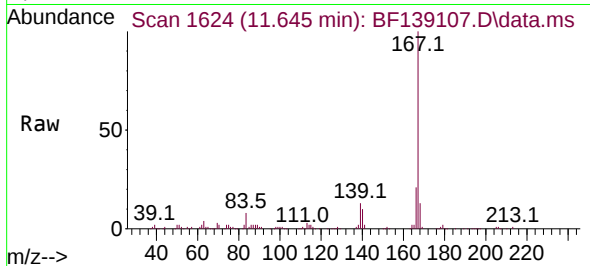
Tgt Ion:178 Resp: 299574
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.4
179 15.7 12.4 18.6





#73
 Carbazole
 Concen: 13.813 ng
 RT: 11.645 min Scan# 1624
 Delta R.T. -0.006 min
 Lab File: BF139107.D
 Acq: 21 Aug 2024 17:50

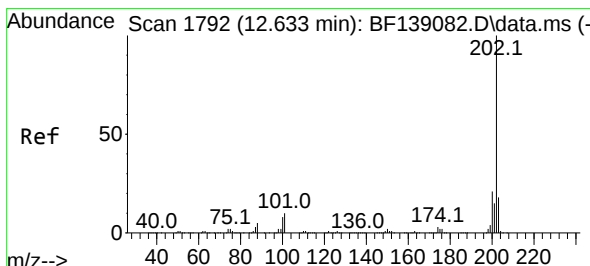
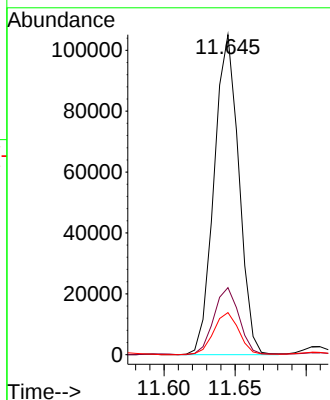
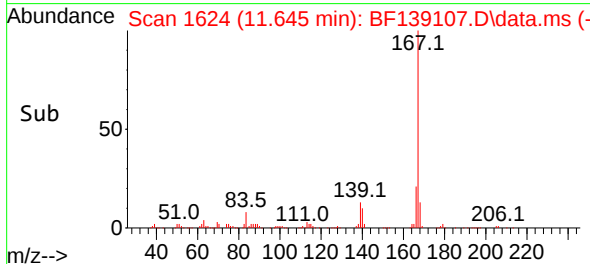
Instrument :
 BNA_F
 ClientSampleId :
 S-902-0.5-1-081624



Tgt Ion:167 Resp: 127359
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.3 25.9
 139 13.2 10.5 15.7

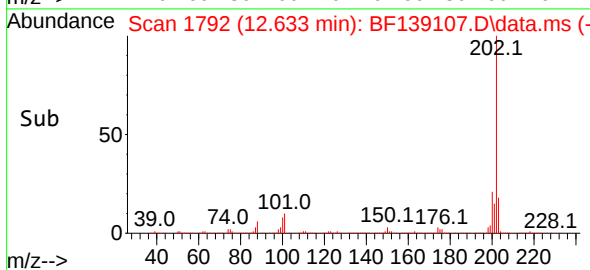
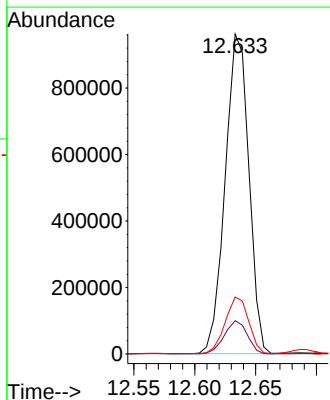
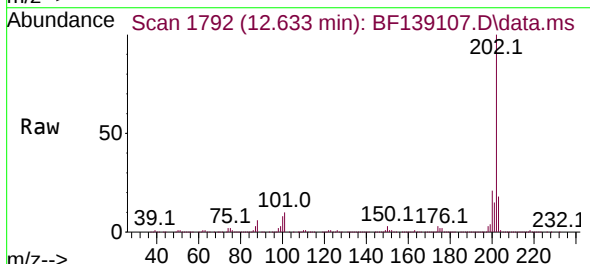
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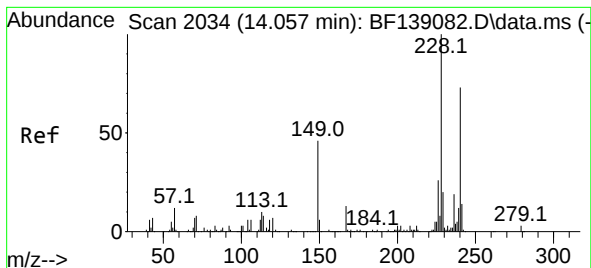
Reviewed By :Jagrut Upadhyay 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024



#75
 Fluoranthene
 Concen: 120.705 ng
 RT: 12.633 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: BF139107.D
 Acq: 21 Aug 2024 17:50

Tgt Ion:202 Resp: 1300730
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 30.2
 203 17.8 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139107.D

Acq: 21 Aug 2024 17:50

Instrument :

BNA_F

ClientSampleId :

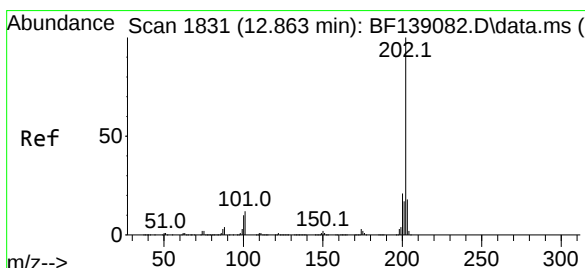
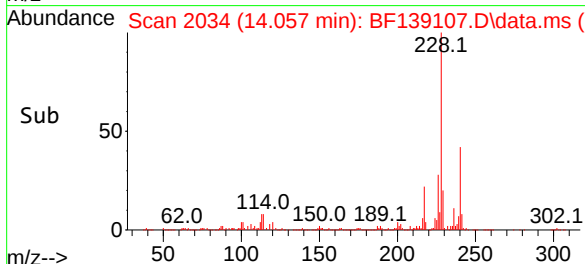
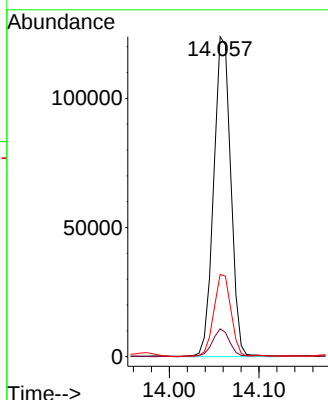
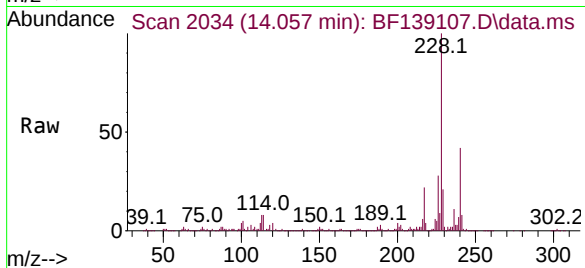
S-902-0.5-1-081624

Tgt Ion:240 Resp: 16449
 Ion Ratio Lower Upper
 240 100
 120 8.7 7.8 11.6
 236 25.7 20.9 31.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024



#78

Pyrene

Concen: 78.555 ng

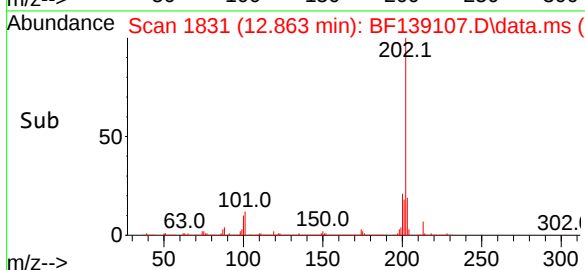
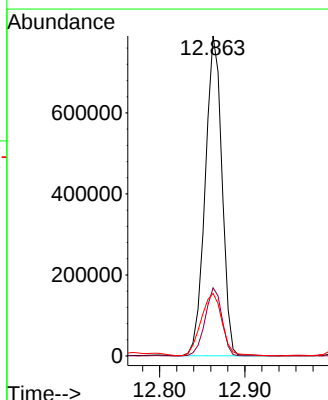
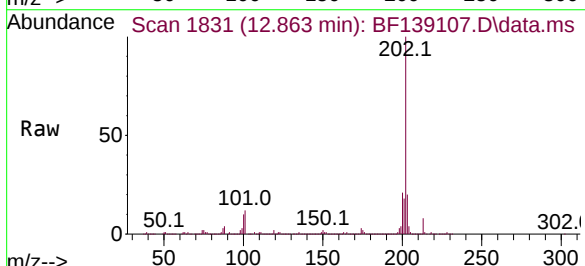
RT: 12.863 min Scan# 1831

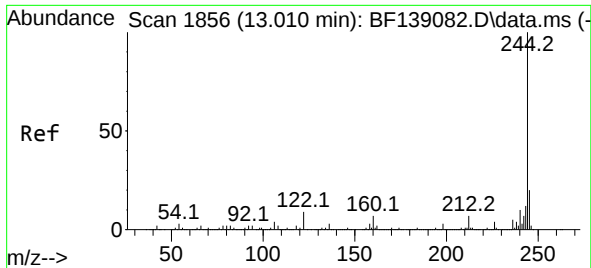
Delta R.T. -0.000 min

Lab File: BF139107.D

Acq: 21 Aug 2024 17:50

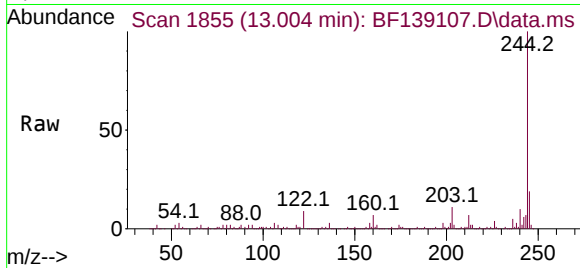
Tgt Ion:202 Resp: 1078357
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.0 25.6
 203 19.5 14.1 21.1





#79
 Terphenyl-d14
 Concen: 28.094 ng
 RT: 13.004 min Scan# 1855
 Delta R.T. -0.006 min
 Lab File: BF139107.D
 Acq: 21 Aug 2024 17:50

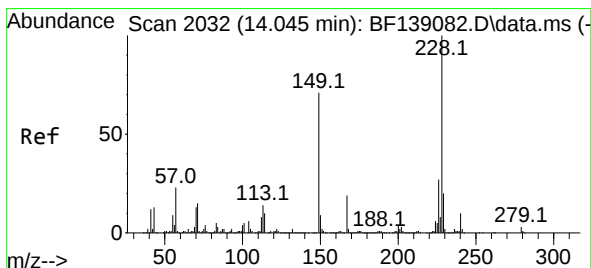
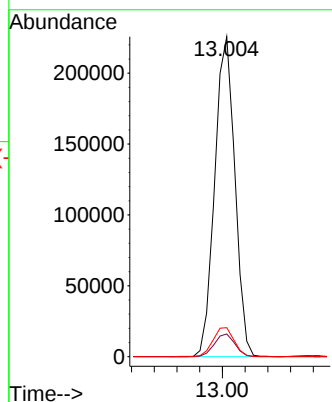
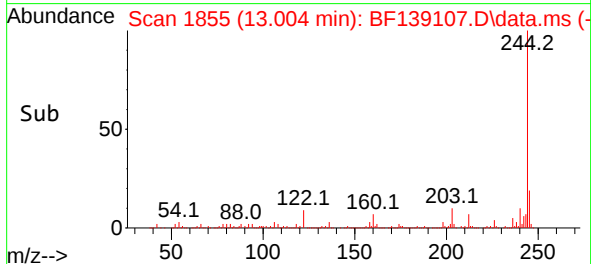
Instrument :
 BNA_F
 ClientSampleId :
 S-902-0.5-1-081624



Tgt Ion:244 Resp: 278508
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 9.0 7.6 11.4

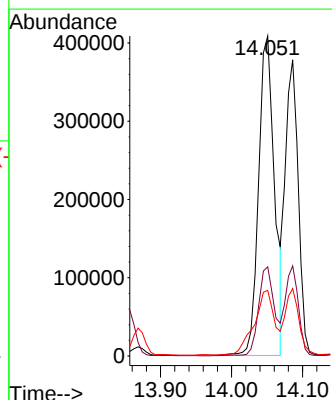
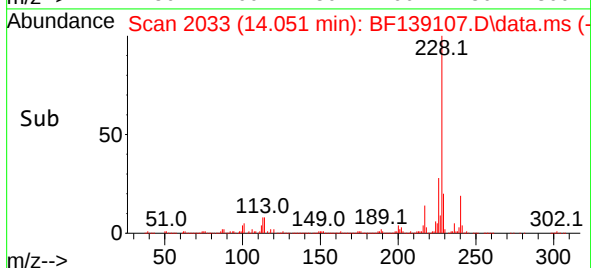
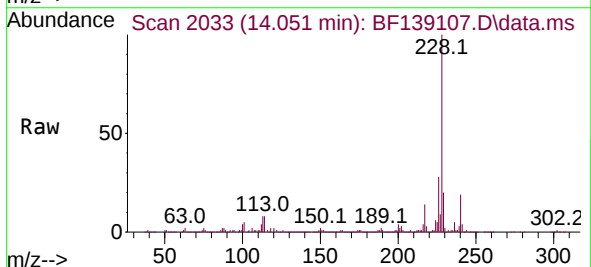
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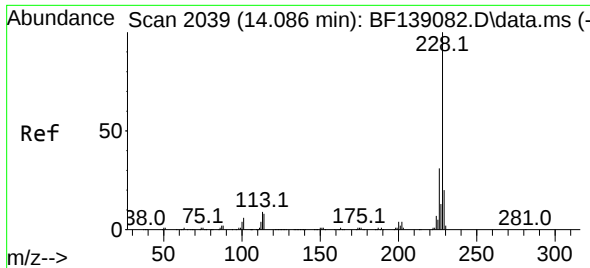
Reviewed By :Jagrut Upadhyay 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024



#81
 Benzo(a)anthracene
 Concen: 58.616 ng
 RT: 14.051 min Scan# 2033
 Delta R.T. 0.006 min
 Lab File: BF139107.D
 Acq: 21 Aug 2024 17:50

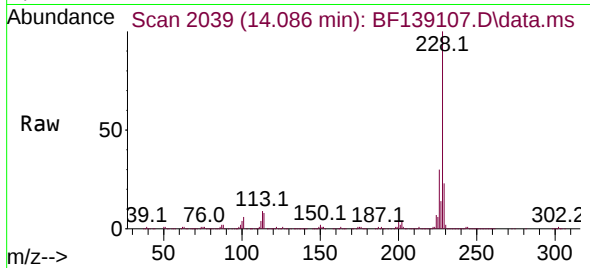
Tgt Ion:228 Resp: 633828
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.9 32.9
 229 20.5 16.1 24.1





#83
Chrysene
Concen: 48.589 ng
RT: 14.086 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50

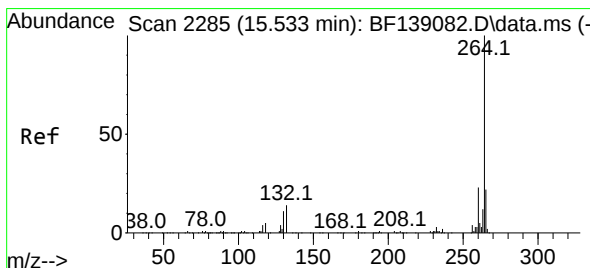
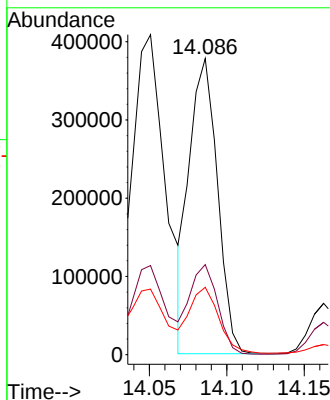
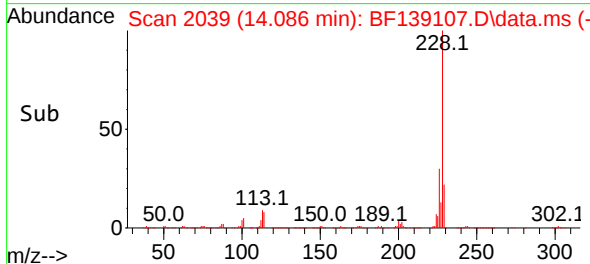
Instrument :
BNA_F
ClientSampleId :
S-902-0.5-1-081624



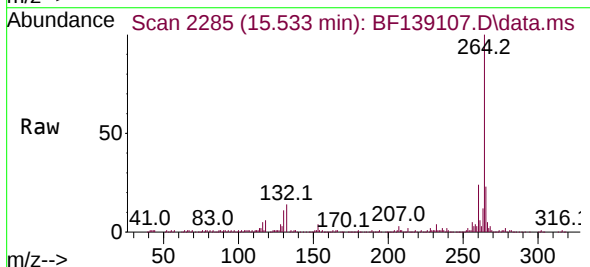
Tgt Ion:228 Resp: 476229
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 22.8 15.8 23.8

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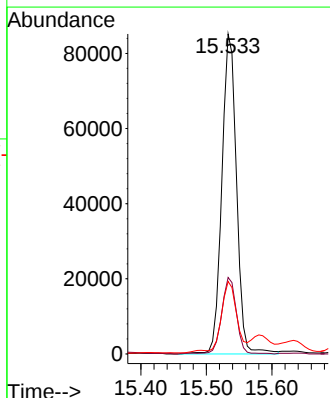
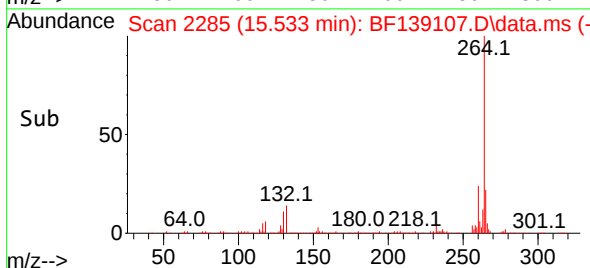
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

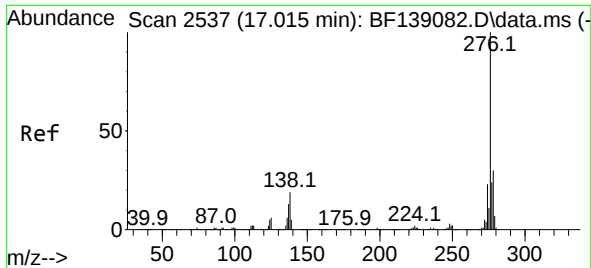


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50



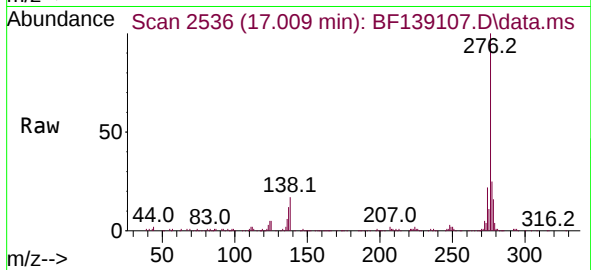
Tgt Ion:264 Resp: 132017
Ion Ratio Lower Upper
264 100
260 23.9 18.6 27.8
265 22.7 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 23.095 ng
RT: 17.009 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50

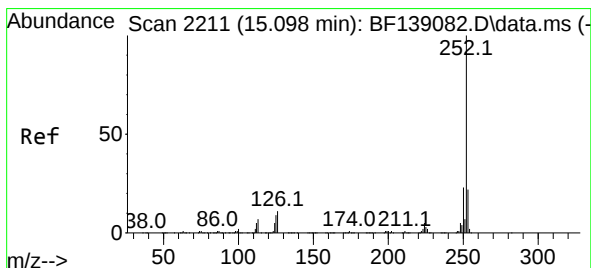
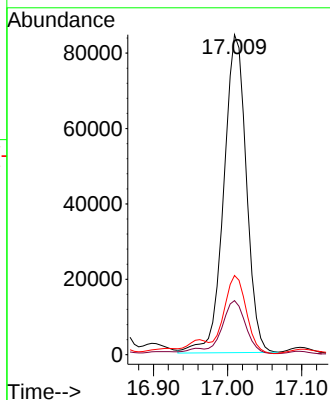
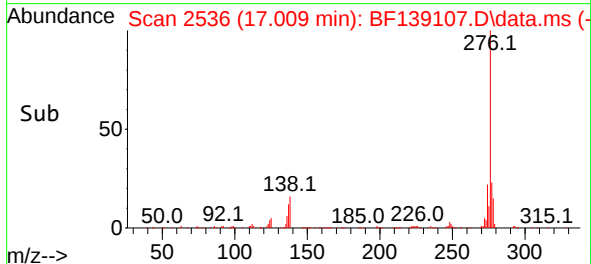
Instrument :
BNA_F
ClientSampleId :
S-902-0.5-1-081624



Tgt Ion:276 Resp: 178439
Ion Ratio Lower Upper
276 100
138 18.8 17.3 25.9
277 24.3 20.2 30.4

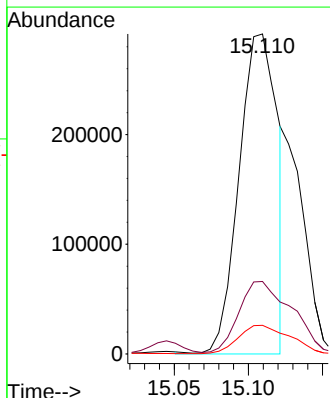
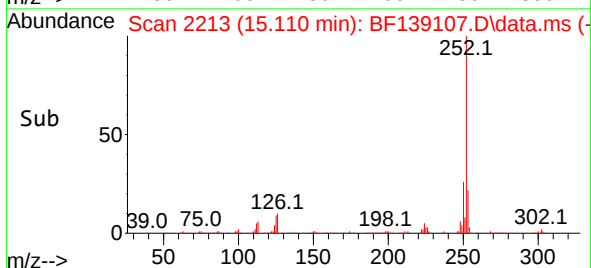
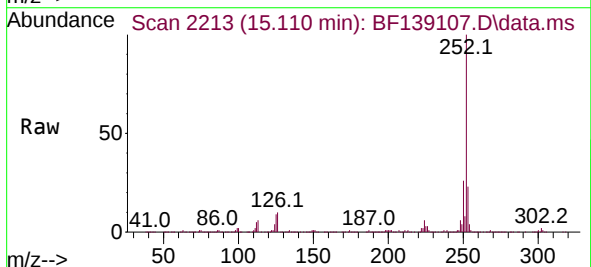
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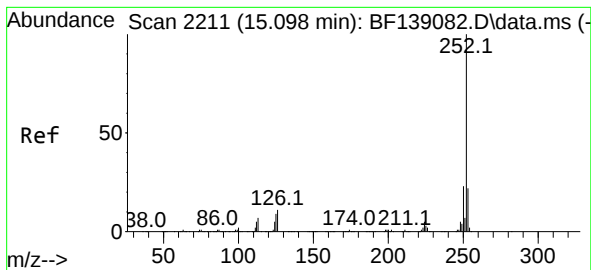
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#88
Benzo(b)fluoranthene
Concen: 61.057 ng m
RT: 15.110 min Scan# 2213
Delta R.T. 0.012 min
Lab File: BF139107.D
Acq: 21 Aug 2024 17:50

Tgt Ion:252 Resp: 525496
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 8.9 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 26.192 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139107.D

Acq: 21 Aug 2024 17:50

Instrument :

BNA_F

ClientSampleId :

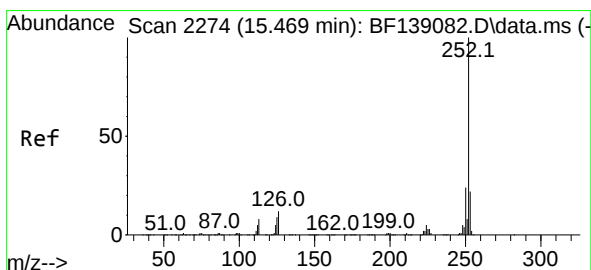
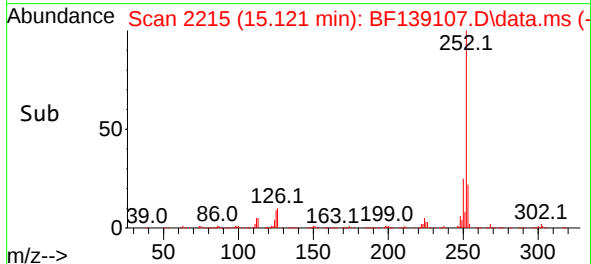
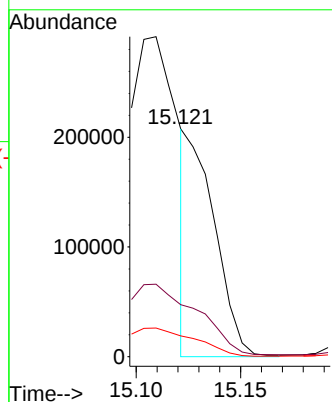
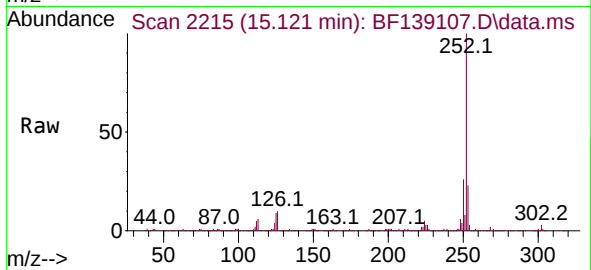
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Tgt Ion:252 Resp: 187754
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.4 26.2
 125 9.1 7.0 10.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024



#90

Benzo(a)pyrene

Concen: 52.149 ng

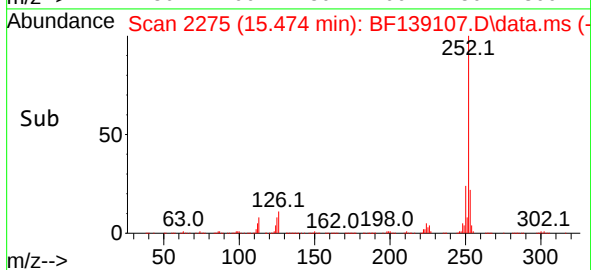
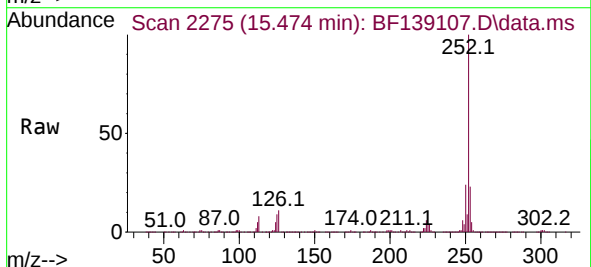
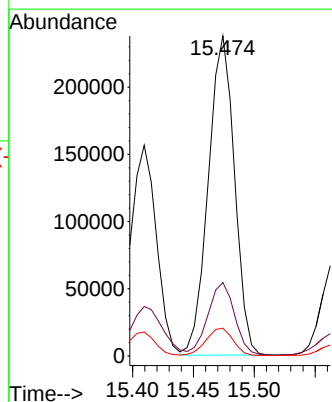
RT: 15.474 min Scan# 2275

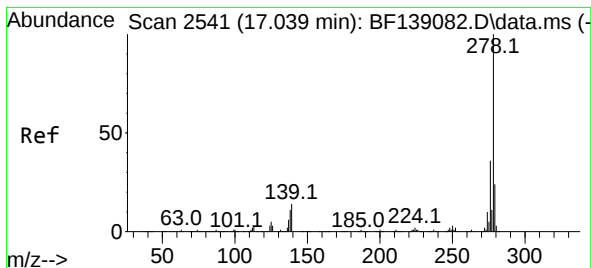
Delta R.T. 0.006 min

Lab File: BF139107.D

Acq: 21 Aug 2024 17:50

Tgt Ion:252 Resp: 354653
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.3 25.9
 125 8.6 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 6.341 ng m

RT: 17.021 min Scan# 2538

Delta R.T. -0.018 min

Lab File: BF139107.D

Acq: 21 Aug 2024 17:50

Instrument :

BNA_F

ClientSampleId :

S-902-0.5-1-081624

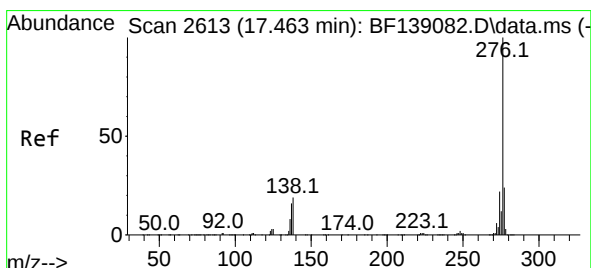
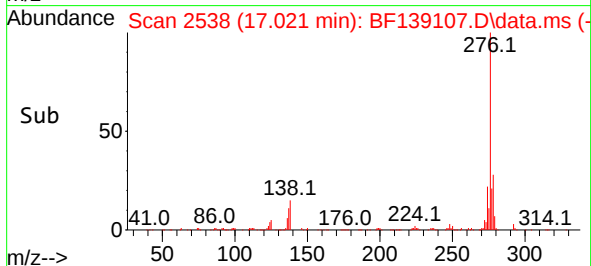
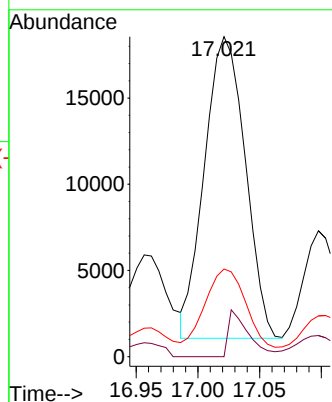
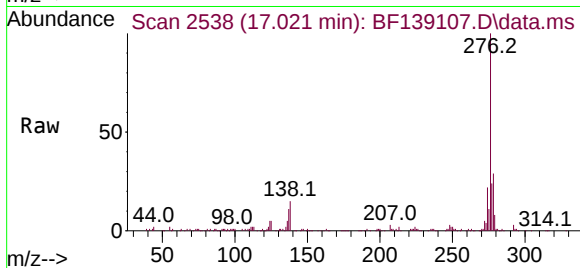
Tgt Ion:278 Resp: 40219

Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.8	16.2
279	27.4	19.2	28.8

Manual Integrations

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Supervised By :mohammad ahmed 08/23/2024



#92

Benzo(g,h,i)perylene

Concen: 23.908 ng

RT: 17.462 min Scan# 2613

Delta R.T. -0.001 min

Lab File: BF139107.D

Acq: 21 Aug 2024 17:50

Tgt Ion:276 Resp: 162453

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	16.7	15.0	22.4

